Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
FEB 1d 09h 01m 45.4±0.11s, SD1.39/95							
1.19 S±1.30km, 145.96 E±2.10km, h11±0.24km							
Admiralty Islands region					(199)		
M_S5.6/43, m_B5.9/13, m_b4.9/2,							
QZH	37.1	316	eP	09 09 00.0	1.7		
			iS	09 14 46.0	1.8		
			sS	09 14 55.0	1.4		
			SS	09 17 17.0	4.0		
			LN	M_S=5.6		16.0	5.34
SSE	39.8	326	P	09 09 21.6	0.8		
			PMZ	m_b=4.9		0.9	0.020
			pP	09 09 24.8	−1.7		
			eS	09 15 25.0	−0.1		
			SMN	m_B=5.7		6.0	0.75
			sS	09 15 36.0	1.5		
			SS	09 18 20.0	6.9		
			ScS	09 19 24.0	−1.7		
			LN	M_S=5.7		10.0	1.56
			LE			10.0	3.17
			LZ	M_S=5.4		16.0	4.43
GZH	39.9	309	+P	09 09 23.5	2.2		
			S	09 15 22.5	−2.6		
			SS	09 18 21.0	6.5		
			LE	M_S=5.6		14.0	3.65
QZN	40.8	301	eP	09 09 31.4	2.7		
			PP	09 11 00.0	−5.5		
			eS	09 15 37.0	−2.4		
			eSS	09 18 37.0	2.7		
			LN	M_S=5.6		17.0	3.30
			LE			21.0	4.70
NJ2	41.9	325	eP	09 09 39.2	1.6		
			S	09 15 55.0	0.5		
			LN	M_S=5.6		11.0	2.28
			LE			12.0	1.51
			LZ	M_S=5.0		18.0	1.97
WHN	43.6	319	P	09 09 53.0	1.1		
			iS	09 16 24.0	2.9		
			SME	m_B=5.8		10.0	1.64
			LE	M_S=5.6		13.0	3.10
			LZ	M_S=5.3		20.0	3.80
DL2	45.7	333	eP	09 10 10.0	0.9		
			eS	09 16 54.0	2.0		
			LN	M_S=6.0		14.0	5.46
			LE			14.0	5.01
			LZ	M_S=5.3		18.0	3.03
TIA	45.9	327	eP	09 10 09.3	−0.9		
			esP	09 10 14.3	−4.3		
			eS	09 16 50.5	−3.5		
			SMN	m_B=5.6		11.0	0.75
			SME			11.0	0.71
			LN	M_S=5.7		11.0	1.59
			LE			13.5	3.40
GYA	46.8	309	P	09 10 19.0	1.3		
			S	09 17 07.0	0.8		
			LN	M_S=5.6		22.0	3.50
			LE			22.0	2.70
SNY	47.4	337	+iP	09 10 22.0	0.0		
			sP	09 10 30.5	0.1		
			S	09 17 16.0	1.8		
			SMN	m_B=6.1		6.0	1.19
			SME			6.0	1.19
			LN	M_S=5.6		20.0	2.70
			LE			21.0	3.06
			LZ	M_S=5.5		20.0	4.77
MDJ	47.9	344	eP	09 10 25.0	−1.0		
			S	09 17 20.0	−1.4		
			SS	09 20 40.0	−4.5		
			LZ	M_S=5.3		28.0	5.00
CN2	48.4	340	P	09 10 29.0	−1.1		
BJI	49.2	330	eP	09 10 35.0	−1.5		
			eS	09 17 36.0	−5.5		
			LE	M_S=5.5		13.0	2.05
			LZ	M_S=5.4		18.0	3.26
KMI	49.3	305	−P	09 10 40.0	2.6		
			PP	09 12 34.0	3.2		
			iS	09 17 50.0	6.8		
			LN	M_S=5.8		16.0	4.50
			LZ	M_S=5.2		20.0	2.80
XAN	49.4	319	+P	09 10 36.2	−1.3		
			iS	09 17 43.0	−0.4		
			SMN	m_B=5.9		6.0	1.04
			SME			8.0	0.41
			LE	M_S=5.1		12.0	0.77
TIY	49.6	325	+P	09 10 39.3	0.1		
			S	09 17 39.0	−6.1		
			sS	09 17 49.0	−6.7		
			LE	M_S=5.6		11.0	2.33
			LZ	M_S=5.3		16.0	2.50
CD2	51.2	312	eP	09 10 50.4	−1.5		
			PP	09 12 45.0	−3.7		
			S	09 18 09.5	1.3		
			LN	M_S=5.7		12.0	3.07
			LZ	M_S=5.2		12.0	1.58
HHC	52.2	327	eP	09 10 59.0	−0.5		
			pP	09 11 03.5	−1.4		
			S	09 18 24.0	2.1		
			LN	M_S=5.7		16.0	1.74
			LE			16.0	2.95
BTO	52.9	326	P	09 11 04.0	−0.6		
			epP	09 11 08.0	−2.0		
			ePP	09 13 07.0	2.3		
			S	09 18 33.0	1.9		
			LN	M_S=5.7		13.0	1.60
			LE			12.0	2.00
			LZ	M_S=5.3		13.0	1.80
LZH	53.9	318	eP	09 11 12.0	−0.1		
			S	09 18 43.0	−2.0		
			LN	M_S=5.5		11.0	1.23
			LE			12.0	0.83
GTA	58.4	319	P	09 11 44.0	−0.3		
			S	09 19 44.0	−0.6		
			SMN	m_B=5.5		10.0	0.55
			LZ	M_S=5.1		20.0	1.62
LSA	60.6	305	eP	09 12 02.0	2.5		
			eS	09 20 18.0	3.4		
			LN	M_S=5.2		14.0	0.73
WMQ	68.5	319	eP	09 12 49.8	−0.9		
			PcP	09 13 13.5	−1.5		
			S	09 21 54.0	3.9		
			SMN	m_B=6.2		7.0	1.40
			ScS	09 22 49.0	3.4		
			LZ	M_S=5.4		16.0	1.95
KSH	75.5	311	P	09 13 32.5	0.2		
			esP	09 13 43.0	2.5		
			eS	09 23 12.0	0.1		
			esS	09 23 18.0	−2.9		
			LN	M_S=5.7		16.0	2.10

FEB 1d 09h 24m 45.8 ± 0.06s, SD1.35 / 16
1.30 S ± 0.75km, 145.78 E ± 1.46km, h32 ± 0.28km
Admiralty Islands region (199)

XAN	49.3	319	eP	09 33 33.5	−1.0			
LZH	53.9	318	eP	09 34 09.5	0.4			
GTA	58.4	319	eP	09 34 40.5	−0.8			

FEB 1d 12h 23m 03.5 ± 0.12s, SD1.16 / 53
21.11 S ± 2.07km, 174.28 W ± 2.30km, h34 ± 0.26km
Tonga (173)
M_S5.3 / 4, m_b5.3 / 4,

SSE	80.8	308	eP	12 35 15.3	−0.6			
			PMZ	m_b = 4.8		0.8	0.010	
			eSKS	12 45 26.0	0.2			
			esS	12 45 36.0	−0.9			
			LZ	M_S = 5.0		20.0	0.74	
NJ2	83.0	308	−P	12 35 27.6	0.3			
			LZ	M_S = 4.7		20.0	0.37	
MDJ	83.0	323	eP	12 35 27.0	−0.7			
DL2	84.6	315	eP	12 35 36.0	0.5			
			eS	12 46 04.0	4.8			
			LZ	M_S = 5.0		20.0	0.59	
CN2	84.9	321	+P	12 35 36.0	−1.2			
			pP	12 35 45.0	−2.1			
			eS	12 46 08.0	5.4			
			LE	M_S = 5.2		10.0	0.30	
			LZ	M_S = 5.0		16.0	0.50	
WHN	85.6	305	eP	12 35 40.8	0.2			
			LZ	M_S = 5.3		20.0	1.30	
BJI	88.8	314	eP	12 35 56.0	0.0			
GYA	90.0	298	P	12 36 01.8	0.0			
			S	12 46 45.0	−3.6			
TIY	90.3	311	−P	12 36 03.8	0.6			
			pP	12 36 13.0	0.0			
			SKS	12 46 31.0	2.5			
			LE	M_S = 5.2		17.0	0.45	
			LZ	M_S = 5.1		36.0	1.24	
XAN	91.3	306	P	12 36 08.3	0.5			
			pP	12 36 18.0	0.4			
			eS	12 47 07.0	5.0			
HHC	92.3	313	P	12 36 12.2	−0.2			
KMI	92.7	296	−iP	12 36 16.0	1.4			
BTO	93.2	312	eP	12 36 15.0	−1.8			
LZH	95.9	306	eP	12 36 30.0	1.0			
			PMZ	m_b = 5.8		2.0	0.050	
GTA	100.1	308	eP	12 36 47.0	−0.9			

FEB 1d 12h 39m 59.2 ± 0.09s, SD1.03 / 31
6.03 S ± 0.75km, 150.72 E ± 0.88km, h40 ± 0.48km
New Britain region (192)

WHN	50.4	318	eP	12 48 57.0	2.3
XAN	56.1	318	eP	12 49 37.2	−0.3
TIY	56.3	324	eP	12 49 38.0	−0.5
LZH	60.7	317	eP	12 50 10.5	0.9
GTA	65.2	319	eP	12 50 39.0	−0.3
WMQ	75.2	318	P	12 51 40.4	−0.1

FEB 1d 13h 28m 31.5 ± 0.07s, SD1.47 / 36
44.72 N ± 2.20km, 149.39 E ± 1.46km, h37 ± 0.43km
Kurile Islands (221)

MDJ	14.1	277	eP	13 31 52.5	1.6
CN2	17.2	275	eP	13 32 30.5	0.2
LZH	35.3	272	eP	13 35 25.5	−0.5
GTA	36.7	279	+iP	13 35 37.4	−0.2
GYA	38.7	257	P	13 35 53.4	−0.9
KMI	42.3	258	eP	13 36 23.5	−0.5
WMQ	43.2	291	P	13 36 30.8	−0.7

FEB 1d 13h 32m 53.1 ± 0.14s, SD2.58 / 41
24.46 S ± 3.12km, 70.38 W ± 3.91km, h28 ± 0.60km
Near coast of Northern Chile (122)

KSH	147.9	54	ePKP	13 52 34.5	0.6
MDJ	154.1	326	ePKP	13 52 41.5	−1.6
GTA	162.9	27	+PKP	13 52 53.0	−0.6
			lPKP2	13 53 43.0	−0.9
TIY	166.6	350	ePKP	13 52 56.8	−0.1
LZH	167.4	22	ePKP	13 52 57.5	−0.1
XAN	170.4	4	ePKP	13 52 58.5	−0.8
GYA	176.7	53	PKP	13 53 01.0	−0.8

FEB 1d 18h 11m 42.7 ± 0.10s, SD2.78 / 18
25.82 N ± 0.84km, 102.80 E ± 0.68km, h17 ± 0.37km
Yunnan Province (318)
M_L3.5 / 7,

KMI	0.7	184	Pg	18 11 54.5	−1.1		
			Sg	18 12 04.5	−0.6		
GYA	3.5	79	Pn	18 12 37.8	0.3		
			Pg	18 12 49.0	3.9		
			Sn	18 13 17.8	−2.8		
			Sg	18 13 28.0	−5.4		
			SMN	M_L = 3.2		1.2	0.080
			SME			1.2	0.050
CD2	5.1	9	ePn	18 13 00.6	1.1		
			Sg	18 14 19.1	−4.6		
			SMN	M_L = 3.6		1.0	0.060
			SME			1.0	0.080

FEB 2d 06h 01m 43.0 ± 0.11s, SD2.21 / 17
39.74 N ± 1.08km, 118.25 E ± 0.89km, h13 ± 0.25km
North-Eastern China - (658)
M_L3.5 / 19,

BJI	1.6	281	ePn	06 02 11.0	−0.9		
			Pg	06 02 12.5	0.7		
			Sg	06 02 33.0	−1.1		
DL2	2.7	106	ePg	06 02 30.0	−1.6		
			SMN	M_L = 3.3		1.0	0.13
			SME			1.0	0.13
TIA	3.6	195	ePg	06 02 45.8	−1.4		
			Sg	06 03 30.2	−6.6		
			SMN	M_L = 3.2		0.2	0.050
			SME			0.4	0.070
			SMZ	M_L = 3.0		0.2	0.030
SNY	4.6	61	Pg	06 03 04.7	1.2		
			Sg	06 04 03.5	−2.2		
			SMN	M_L = 3.7		0.9	0.14
			SME			0.9	0.080
TIY	5.0	248	Pn	06 02 55.0	−3.0		
			Sg	06 04 12.9	−6.1		
			SMN	M_L = 3.6		0.7	0.050
			SME			0.8	0.090
BTO	6.4	280	ePg	06 03 37.8	2.1		
			Sg	06 05 02.0	−0.5		
CN2	6.7	51	ePg	06 03 43.0	0.8		
			eSg	06 05 10.0	−4.2		
			SMN	M_L = 4.0		1.0	0.080
			SME			1.0	0.060

FEB 2d 15h 58m 49.4 ± 0.06s, SD1.19 / 64
45.31 N ± 2.32km, 150.20 E ± 1.29km, h52 ± 0.80km
Kurile Islands (221)
m_b5.2 / 3,

MDJ	14.6	275	+P	16 02 16.5	1.8
CN2	17.7	274	eP	16 02 54.2	0.4
DL2	22.1	263	eP	16 03 43.5	1.9
BJI	25.4	270	eP	16 04 14.0	−0.3
			eS	16 08 32.0	−2.8

TIA	26.5	262	eP	16 04 24.0	−0.1			
SSE	26.7	248	P	16 04 26.3	0.5			
			PMZ	$m_b = 5.0$		1.2	0.040	
			eS	16 08 54.0	−1.2			
			esS	16 09 17.0	0.4			
			LZ	$M_S = 4.0$		26.0	0.51	
NJ2	27.6	252	+P	16 04 34.0	−0.5			
			LZ	$M_S = 4.0$		20.0	0.37	
HHC	28.4	275	P	16 04 41.2	−0.2			
TIY	29.1	268	P	16 04 47.0	−0.5			
			S	16 09 33.5	0.7			
			LZ	$M_S = 4.2$		30.0	0.93	
BTO	29.6	275	eP	16 04 51.4	−0.5			
WHN	31.6	255	+P	16 05 09.0	−0.8			
			PMZ	$m_b = 5.3$		0.6	0.030	
XAN	33.4	265	+iP	16 05 24.4	−0.9			
			pP	16 05 37.4	−0.4			
LZH	35.9	272	+P	16 05 47.0	−0.1			
GTA	37.2	279	−iP	16 05 58.1	0.2			
			PcP	16 08 17.7	1.3			
CD2	38.7	265	eP	16 06 10.0	−0.6			
GYA	39.4	257	P	16 06 16.2	−0.2			
			PcP	16 08 24.8	1.5			
KMI	43.0	258	+P	16 06 45.5	−0.4			

FEB 2d 21h 03m 22.8 ± 0.12s, SD2.34 / 16
59.54 S ± 2.72km, 26.36 W ± 4.27km, h32 ± 0.25km
South Sandwich Islands region (153)

TIY	145.9	111	ePKP	21 23 00.6	1.0			
TIA	146.9	118	ePKP	21 23 02.0	0.9			
BJI	149.5	113	ePKP	21 23 09.0	3.6			
DL2	151.1	121	ePKP	21 23 13.0	5.2			

FEB 2d 21h 11m 06.2 ± 0.10s, SD1.14 / 29
0.92 N ± 0.74km, 126.08 E ± 0.85km, h62 ± 0.94km
Molucca Passage (266)

KMI	33.0	319	eP	21 17 41.5	3.6			
XAN	36.7	336	eP	21 18 08.0	−1.2			
DL2	38.0	354	eP	21 18 21.0	0.5			
BJI	40.0	348	eP	21 18 37.0	0.3			
MDJ	43.6	4	eP	21 19 04.9	−1.8			
GTA	45.2	331	P	21 19 19.5	0.0			
WMQ	54.7	327	eP	21 20 31.8	0.1			

FEB 2d 22h 30m 14.1 ± 0.07s, SD0.84 / 88
1.85 N ± 0.75km, 127.25 E ± 1.04km, h98 ± 0.56km
Molucca Passage (266)
m_b5.5 / 5,

QZN	24.1	316	eP	22 35 22.0	−0.1			
QZH	24.4	341	P	22 35 24.5	−0.5			
GZH	25.0	328	eP	22 35 31.5	0.5			
SSE	29.6	349	eP	22 36 12.3	−0.6			
			PMZ	$m_b = 4.9$		1.2	0.030	
			pP	22 36 29.0	−5.4			
			esS	22 41 36.0	−1.9			
WHN	31.0	338	eP	22 36 25.2	0.0			
NJ2	31.1	346	+P	22 36 26.0	0.6			
GYA	31.5	323	P	22 36 28.6	−0.4			
			PcP	22 39 20.6	1.2			
KMI	33.1	316	−P	22 36 43.5	0.3			
TIA	35.4	346	eP	22 37 03.0	−0.2			
XAN	36.3	334	−iP	22 37 09.7	−0.9			
			PcP	22 39 34.0	0.9			
CD2	36.5	325	eP	22 37 11.1	−0.7			
DL2	37.2	353	eP	22 37 18.0	−0.2			
TIY	38.2	341	−iP	22 37 26.9	0.6			
			LZ			36.0	0.88	
BJI	39.3	347	eP	22 37 35.5	0.0			
SNY	39.9	356	−iP	22 37 40.6	0.0			
LZH	40.4	330	eP	22 37 45.0	0.5			
			PMZ	$m_b = 5.6$		2.0	0.20	
HHC	41.3	342	+iP	22 37 53.0	0.7			
BTO	41.6	340	eP	22 37 55.0	0.5			
MDJ	42.6	2	eP	22 38 02.7	−0.1			
LSA	44.1	313	P	22 38 15.0	0.0			
GTA	45.0	330	−iP	22 38 21.8	0.0			
			PMZ	$m_b = 5.3$		1.4	0.060	
			eS	22 44 53.3	0.7			
			ScS	22 48 09.8	4.2			
WMQ	54.5	326	−iP	22 39 35.5	0.6			
			eS	22 47 09.0	3.7			
KSH	59.8	316	P	22 40 13.0	1.1			

FEB 3d 02h 09m 43.6 ± 0.11s, SD2.43 / 20
59.46 S ± 2.17km, 25.48 W ± 2.81km, h27 ± 0.68km
South Sandwich Islands region (153)

TIY	145.5	110	−PKP	02 29 20.4	0.0
TIA	146.5	117	ePKP	02 29 22.7	0.7
BTO	146.6	104	ePKP	02 29 24.0	1.7
BJI	149.1	112	ePKP	02 29 28.5	2.2
DL2	150.7	120	ePKP	02 29 34.7	5.9

FEB 3d 04h 19m 41.1 ± 0.10s, SD1.20 / 28
16.40 N ± 1.30km, 148.12 E ± 1.40km, h39 ± 0.48km
Marianas region (215)

MDJ	32.2	335	eP	04 26 06.7	−1.2
CN2	33.4	330	eP	04 26 18.0	−0.5
BJI	36.4	317	eP	04 26 44.0	0.1
GYA	39.7	292	P	04 27 13.4	1.5
CD2	42.8	298	eP	04 27 38.4	0.8
LZH	43.8	305	eP	04 27 43.5	−2.4
WMQ	57.5	312	eP	04 29 31.0	1.3

FEB 3d 05h 42m 58.8 ± 0.09s, SD1.70 / 71
34.81 N ± 1.81km, 140.12 E ± 1.67km, h89 ± 1.26km
Near south coast of Honshu (230)
m_b4.9 / 3,

MDJ	12.7	324	eP	05 45 56.0	−1.6			
CN2	14.5	313	eP	05 46 21.0	0.5			
SNY	14.7	303	+iP	05 46 26.0	1.9			
DL2	15.4	291	eP	05 46 36.5	4.6			
SSE	16.3	262	eP	05 46 46.8	2.8			
			eS	05 49 46.0	4.1			
			eSS	05 50 07.0	3.1			
			LZ	$M_S = 3.8$		20.0	0.50	
NJ2	18.0	267	+P	05 47 04.0	−0.4			
TIA	18.8	281	eP	05 47 13.0	−0.7			
BJI	19.7	292	eP	05 47 22.5	−1.2			
WHN	22.1	266	P	05 47 49.2	1.3			
			eS	05 51 41.0	0.2			
			sS	05 52 14.0	1.3			
			LZ	$M_S = 4.2$		16.0	0.70	
TIY	22.5	285	eP	05 47 53.0	1.1			
			LZ	$M_S = 4.1$		34.0	1.03	
HHC	23.3	293	eP	05 48 03.0	3.3			
BTO	24.4	293	eP	05 48 10.8	0.0			
XAN	25.7	277	P	05 48 21.8	−0.9			
LZH	29.5	283	eP	05 48 56.0	−1.1			
			PMZ	$m_b = 4.9$		2.0	0.050	
GYA	29.9	263	P	05 48 58.4	−2.1			
CD2	30.7	273	P	05 49 05.8	−1.9			
GTA	32.3	290	+iP	05 49 21.4	−0.3			
WMQ	40.9	299	−iP	05 50 36.0	1.3			
			S	05 56 43.0	4.1			
KSH	50.4	295	eP	05 51 51.5	1.6			

FEB 3d 07h 05m 26.0 ± 0.08s, SD1.14 / 53
27.80 N ± 1.51km, 142.76 E ± 1.66km, h37 ± 0.64km
Bonin Islands region (212)
M_S4.3 / 2, m_b5.0 / 1,

SSE	19.1	285	eP	07	09	47.5	−0.8	
			esS	07	13	28.0	−1.0	
			LN			M_S=4.3	11.0	0.52
MDJ	19.8	331	eP	07	09	55.0	−1.6	
DL2	20.8	308	eP	07	10	08.0	1.2	
			LZ			M_S=4.3	17.0	0.89
SNY	21.0	317	eP	07	10	08.2	−0.8	
NJ2	21.1	287	−P	07	10	11.0	0.7	
CN2	21.2	323	eP	07	10	10.0	−0.9	
TIA	23.3	298	eP	07	10	30.2	−1.1	
WHN	24.9	283	eP	07	10	48.5	0.9	
BJI	25.1	306	eP	07	10	49.0	−0.3	
			eS	07	15	12.0	2.9	
			LZ			M_S=4.2	16.0	0.59
TIY	27.2	299	eP	07	11	09.3	0.0	
			LE			M_S=4.3	12.0	0.34
			LZ			M_S=4.3	22.0	0.78
XAN	29.6	291	−iP	07	11	29.8	−0.5	
BTO	29.8	304	eP	07	11	32.0	0.2	
GYA	32.1	276	P	07	11	52.0	−0.4	
LZH	33.9	294	eP	07	12	07.0	−0.9	
			PMZ			m_b=5.0	1.5	0.040
CD2	34.0	285	eP	07	12	08.4	−0.7	
KMI	35.8	275	eP	07	12	25.0	0.4	
GTA	37.3	299	P	07	12	36.0	−0.8	
WMQ	46.6	305	P	07	13	52.7	−0.1	

FEB 3d 09h 43m 49.0 ± 0.10s, SD1.33 / 74
51.50 N ± 2.54km, 161.24 E ± 1.67km, h40 ± 0.15km
Off east coast of Kamchatka (219)
M_S5.1 / 21, m_B5.4 / 2, m_b5.0 / 7,

MDJ	22.1	264	eP	09	48	41.5	−1.4	
CN2	25.1	266	+P	09	49	10.0	−2.0	
			LZ			M_S=4.7	16.0	2.00
SNY	27.3	264	eP	09	49	32.4	−0.1	
			S	09	54	12.0	5.1	
			LN			M_S=5.1	22.0	3.09
			LE				26.0	2.35
			LZ			M_S=4.9	14.0	2.36
BJI	33.0	268	eP	09	50	24.0	1.6	
			eS	09	55	32.0	−4.7	
			LN			M_S=5.1	19.0	2.20
TIA	34.7	261	eP	09	50	37.5	−0.1	
			sP	09	50	52.5	0.0	
			eS	09	56	09.2	5.1	
			LN			M_S=5.1	14.0	1.04
			LE				14.0	1.13
			LZ			M_S=4.9	14.0	1.45
SSE	35.8	251	eP	09	50	48.0	1.6	
			PMZ			m_b=4.6	1.0	0.010
			S	09	56	24.0	4.9	
			sS	09	56	43.0	5.2	
			LE			M_S=4.8	12.0	0.60
			LZ			M_S=4.5	16.0	0.60
NJ2	36.5	254	+P	09	50	52.2	−0.2	
			S	09	56	30.0	−0.1	
			LZ			M_S=4.4	14.0	0.47
TIY	36.7	267	eP	09	50	55.3	0.9	
			eS	09	56	37.5	2.9	
			LN			M_S=5.0	13.0	0.56
			LE				14.0	0.91
			LZ			M_S=4.5	32.0	1.14
WHN	40.3	257	eP	09	51	25.0	1.0	
			S	09	57	29.0	1.5	
			LE			M_S=5.1	17.0	1.60
			LZ			M_S=4.9	14.0	1.20
XAN	41.2	266	+P	09	51	32.0	−0.2	
			eS	09	57	44.0	1.0	
			LE			M_S=4.9	12.0	0.64
LZH	43.1	272	eP	09	51	48.0	0.6	
			PMZ			m_b=5.4	1.5	0.080
			S	09	58	14.0	5.0	
			LN			M_S=5.3	22.0	2.10
			LE				20.0	1.13
GTA	43.5	279	P	09	51	51.0	0.0	
			PMZ			m_B=5.4	6.0	0.39
			S	09	58	20.0	4.4	
			LE			M_S=5.2	20.0	1.86
CD2	46.5	267	eP	09	52	15.1	0.0	
GYA	47.9	260	P	09	52	26.4	0.7	
			sP	09	52	40.4	−0.2	
			S	09	59	23.0	5.0	
			LE			M_S=5.1	18.0	1.20
WMQ	48.2	291	+iP	09	52	30.0	2.0	
			PcP	09	53	54.5	0.1	
			S	09	59	27.0	4.7	
			LZ			M_S=5.2	15.0	1.87
QZN	51.5	251	eP	09	52	55.3	1.7	
			LE			M_S=5.3	13.0	1.20
KSH	57.7	294	eP	09	53	39.5	0.7	
			epP	09	53	49.5	0.0	
			eS	10	01	34.0	0.8	
			LN			M_S=5.0	20.0	0.80

FEB 3d 10h 49m 32.1 ± 0.04s, SD0.99 / 52
43.44 N ± 0.99km, 138.73 E ± 0.62km, h267 ± 0.49km
Eastern Sea of Japan (223)

MDJ	6.7	283	eP	10	51	11.0	1.0	
CN2	9.6	277	+P	10	51	47.5	0.4	
SNY	11.3	267	eP	10	52	08.6	1.0	
BJI	17.2	266	eP	10	53	16.0	−1.3	
NJ2	19.4	241	+P	10	53	39.2	−0.4	
HHC	20.3	272	eP	10	53	50.0	1.0	
WHN	23.2	244	−P	10	54	16.5	−1.0	
XAN	25.0	258	P	10	54	34.4	0.9	
CD2	30.3	257	eP	10	55	19.8	−1.7	
WMQ	36.5	289	−iP	10	56	14.8	1.0	
			S	11	01	36.5	1.6	

FEB 3d 17h 34m 52.7 ± 0.07s, SD1.03 / 88
27.84 N ± 1.20km, 142.75 E ± 1.43km, h38 ± 0.34km
Bonin Islands region (212)
M_S4.9 / 34, m_B5.6 / 10, m_b5.1 / 4,

SSE	19.0	285	eP	17	39	14.8	0.1	
			PMZ			m_B=5.4	4.0	0.79
			eS	17	42	44.0	2.0	
			sS	17	42	55.0	−0.4	
			SS	17	43	10.0	2.7	
			LN			M_S=4.8	14.0	1.92
			LZ			M_S=4.6	15.0	2.21
MDJ	19.8	331	eP	17	39	22.5	−0.2	
			pP	17	39	28.5	−3.1	
			S	17	42	58.0	0.4	
			SS	17	43	25.0	−0.5	
			LZ			M_S=5.0	16.0	4.60
DL2	20.8	307	eP	17	39	34.0	1.0	
			PP	17	39	58.0	3.1	
			eS	17	43	20.0	2.4	
			esS	17	43	30.0	−2.5	
			LZ			M_S=4.8	18.0	2.98
SNY	21.0	317	eP	17	39	33.7	−1.5	
			S	17	43	23.0	2.0	

			LN		$M_S=4.9$		16.0	2.15
			LE				18.0	1.69
			LZ		$M_S=4.5$		18.0	1.72
NJ2	21.1	287	+P	17 39	37.0	0.3		
			S	17 43	26.0	2.2		
			LN		$M_S=5.0$		13.0	0.92
			LE				12.0	2.10
			LZ		$M_S=4.4$		12.0	0.85
CN2	21.2	323	eP	17 39	37.0	−0.1		
			pP	17 39	44.5	−2.1		
			eS	17 43	26.0	0.8		
			LN		$M_S=4.9$		10.0	1.70
			LZ		$M_S=4.8$		16.0	2.70
QZH	21.8	268	+P	17 39	44.0	0.2		
			iS	17 43	38.0	0.2		
			sS	17 43	51.0	−2.5		
			LN		$M_S=4.6$		10.0	0.69
TIA	23.2	297	eP	17 39	56.1	−1.5		
			eS	17 44	00.0	−3.1		
			SMN		$m_B=5.6$		11.5	0.75
			SME				11.5	1.72
			LN		$M_S=5.0$		16.0	2.14
			LE				16.0	1.58
WHN	24.9	283	P	17 40	14.0	0.0		
			PMZ		$m_b=5.1$		1.2	0.080
			sP	17 40	26.0	−2.2		
			S	17 44	30.0	−1.4		
			sS	17 44	48.0	−0.4		
			LE		$M_S=4.8$		12.0	1.10
			LZ		$M_S=4.6$		14.0	1.20
BJI	25.1	306	eP	17 40	14.0	−1.6		
			eS	17 44	36.0	1.1		
			LE		$M_S=4.8$		15.0	1.54
			LZ		$M_S=4.9$		16.0	2.64
TIY	27.2	299	+P	17 40	35.0	−0.6		
			PP	17 41	23.0	0.8		
			S	17 45	07.0	−2.3		
			LN		$M_S=5.0$		12.5	0.73
			LE				15.0	1.50
			LZ		$M_S=4.7$		21.0	2.03
HHC	28.7	305	eP	17 40	47.5	−1.2		
			pP	17 40	54.5	−4.0		
			S	17 45	31.5	−1.0		
			LN		$M_S=5.1$		13.0	0.92
			LE				15.0	1.74
XAN	29.6	291	+iP	17 40	55.8	−0.8		
			PP	17 41	51.0	−1.7		
			S	17 45	48.0	1.0		
			LE		$M_S=4.9$		13.0	1.16
BTO	29.7	304	eP	17 40	57.0	−1.1		
			epP	17 41	04.5	−3.5		
			eS	17 45	49.5	−1.0		
			LN		$M_S=5.2$		12.0	1.50
			LE				13.0	1.60
			LZ		$M_S=4.4$		13.0	0.60
QZN	31.4	261	eP	17 41	12.5	0.0		
			LN		$M_S=4.8$		11.0	0.80
GYA	32.1	276	P	17 41	18.0	−0.8		
			sP	17 41	29.0	−4.0		
			S	17 46	32.0	5.8		
			LE		$M_S=4.9$		14.0	1.00
LZH	33.8	294	eP	17 41	33.0	−1.2		
			PMZ		$m_b=5.5$		2.0	0.14
			sP	17 41	44.0	−4.4		
			LN		$M_S=5.1$		18.0	1.56
			LE				18.0	1.48
CD2	34.0	285	+iP	17 41	35.0	−0.4		
			PMZ		$m_B=5.8$		11.0	1.55
			S	17 46	59.0	2.8		
			LN		$M_S=5.2$		11.0	1.55
KMI	35.8	275	+P	17 41	51.0	−0.1		
			PMZ		$m_B=5.7$		4.0	0.52
			sP	17 42	02.0	−3.3		
			LN		$M_S=5.0$		16.0	1.26
GTA	37.2	299	+P	17 42	02.4	−0.7		
			eS	17 47	41.0	−6.5		
			LN		$M_S=4.9$		13.0	0.81
LSA	45.0	285	P	17 43	07.3	0.4		
WMQ	46.5	305	+iP	17 43	19.5	0.4		
			eS	17 50	08.0	3.6		
			LZ		$M_S=5.0$		20.0	1.58
KSH	55.7	301	eP	17 44	30.0	1.8		
			epP	17 44	38.0	−0.5		
			eS	17 52	14.0	3.6		
			LN		$M_S=5.2$		12.0	0.80

FEB 3d 20h 24m 53.6±0.18s, SD1.87/55
8.95 S±5.03km, 66.71 E±3.31km, h7±0.42km
Mid-Indian Rise (429)
M_S5.5/23,

LSA	45.1	31	eP	20 33	13.3	0.4		
			iS	20 39	54.0	1.8		
			LE		$M_S=5.4$		15.0	2.19
KMI	48.8	45	+P	20 33	46.5	4.6		
			LE		$M_S=5.2$		16.0	1.34
KSH	49.0	9	eP	20 33	43.0	−0.3		
			epP	20 33	48.0	−0.2		
			S	20 40	52.0	6.2		
			LE		$M_S=5.9$		13.0	4.60
GYA	52.4	47	P	20 34	10.0	0.7		
			S	20 41	35.0	2.1		
			LE		$M_S=5.4$		15.0	1.70
CD2	53.2	40	eP	20 34	13.6	−1.9		
			S	20 41	43.5	−0.8		
WMQ	55.9	18	P	20 34	34.0	−0.8		
			S	20 42	23.5	3.5		
			LE		$M_S=5.5$		11.0	1.40
			LZ		$M_S=5.2$		28.0	2.91
LZH	56.8	36	eP	20 34	43.0	1.2		
GTA	57.1	30	P	20 34	41.7	−1.9		
			eS	20 42	38.0	0.5		
			SME				22.0	1.35
			LN		$M_S=5.3$		13.0	0.93
XAN	58.6	41	eP	20 34	51.4	−2.5		
			S	20 42	56.0	0.5		
			LE		$M_S=5.2$		13.0	0.77
WHN	60.2	47	eP	20 35	06.0	0.5		
			S	20 43	20.0	2.6		
			SS	20 47	14.0	−1.5		
			LE		$M_S=5.5$		15.0	1.50
			LZ		$M_S=5.2$		20.0	1.90
QZH	60.7	55	eP	20 35	07.0	−1.8		
			S	20 43	22.0	−1.6		
			sS	20 43	27.5	−5.6		
			LN		$M_S=5.4$		28.0	2.54
TIY	63.1	40	eP	20 35	24.6	0.0		
			eS	20 43	55.0	0.5		
			LN		$M_S=5.4$		15.0	0.98
			LE				17.0	0.90
			LZ		$M_S=5.1$		20.0	1.37
BTO	63.4	36	eP	20 35	26.0	−1.0		
			epP	20 35	32.5	0.5		
			eS	20 43	57.0	−2.1		
			LN		$M_S=5.4$		13.0	0.80
			LE				13.0	0.70
TIA	65.3	43	eP	20 35	40.3	1.4		

			LN	$M_S = 5.5$	16.0	0.88
			LE		16.0	1.27
SSE	65.6	50	eP	20 35 42.0	1.0	
			eS	20 44 26.0	0.3	
			eSS	20 48 44.0	4.5	
			LE	$M_S = 5.3$	22.0	1.43
BJI	66.8	39	eP	20 35 50.0	1.3	
			eS	20 44 40.0	−0.2	
			SS	20 49 00.0	1.5	
SNY	72.5	41	eP	20 36 23.8	0.2	
			S	20 45 47.0	1.1	
			LN	$M_S = 5.6$	25.0	1.83
			LE		25.0	1.47
CN2	74.6	40	eP	20 36 36.0	−0.3	
			eS	20 46 12.0	0.2	
			LE	$M_S = 5.5$	15.0	1.30
MDJ	77.7	41	eP	20 36 54.5	1.1	

FEB 4d 02h 35m 56.8 ± 0.26s, SD1.04 / 43
50.64 N ± 2.70km, 173.59 E ± 1.20km, h27 ± 1.04km
Aleutian Islands region (16)
M_S5.1 / 2, m_b5.2 / 1,

BJI	40.8	278	eP	02 43 38.0	0.3		
TIA	42.4	273	eP	02 43 52.0	0.6		
HHC	43.2	282	−P	02 43 58.6	0.8		
BTO	44.3	283	−P	02 44 08.0	1.3		
			epP	02 44 18.0	3.0		
			eS	02 50 40.0	1.1		
			LN	$M_S = 5.1$	14.0	0.60
			LE		15.0	0.80
			LZ	$M_S = 4.9$	15.0	1.10
TIY	44.5	278	eP	02 44 09.2	1.0		
WHN	47.9	269	eP	02 44 35.2	0.4		
XAN	49.0	276	eP	02 44 43.5	−0.3		
LZH	50.9	282	eP	02 44 59.0	0.7		
			PMZ	$m_b = 5.2$	2.0	0.070
GTA	51.3	288	−iP	02 45 01.0	−0.2		
GYA	55.6	271	P	02 45 32.6	−0.3		
WMQ	55.6	299	−iP	02 45 32.5	−0.5		

FEB 4d 02h 44m 29.0 ± 0.09s, SD0.95 / 73
53.00 N ± 1.97km, 159.75 E ± 1.49km, h31 ± 0.11km
Off east coast of Kamchatka (219)
M_S4.9 / 10, m_B5.5 / 2, m_b5.1 / 6,

MDJ	21.4	259	eP	02 49 17.2	0.3		
CN2	24.4	262	+P	02 49 45.4	−0.3		
			pP	02 49 50.0	−4.3		
			eS	02 54 02.0	1.4		
			LE	$M_S = 4.7$	13.0	1.00
			LZ	$M_S = 4.7$	22.0	2.30
SNY	26.6	260	−P	02 50 06.9	−0.2		
BJI	32.2	264	eP	02 50 55.0	−1.5		
TIA	34.1	258	eP	02 51 12.1	−1.1		
SSE	35.4	247	P	02 51 26.2	1.5		
			PMZ	$m_b = 5.2$	1.0	0.040
			eS	02 56 58.0	0.9		
			LE	$M_S = 4.4$	20.0	0.46
TIY	35.9	264	−P	02 51 28.8	0.1		
			sS	02 57 17.0	−1.9		
			LN	$M_S = 4.9$	15.0	0.87
			LE		15.0	0.64
			LZ	$M_S = 4.6$	22.0	1.16
NJ2	36.0	251	+P	02 51 30.6	0.7		
			LZ	$M_S = 4.2$	20.0	0.43
WHN	39.7	254	eP	02 52 00.5	−0.4		
			PMZ	$m_b = 5.1$	1.0	0.030
			LZ	$M_S = 4.6$	20.0	0.80
XAN	40.5	263	−P	02 52 06.6	−0.3		
			PcP	02 54 09.5	0.2		
LZH	42.1	269	eP	02 52 21.0	0.2		
			PMZ	$m_b = 5.2$	1.5	0.060
GTA	42.4	276	+P	02 52 23.5	0.4		
			PcP	02 54 15.0	−0.7		
			LE	$M_S = 4.9$	13.0	0.67
			LZ	$M_S = 4.7$	16.0	0.83
WMQ	46.8	289	+iP	02 52 58.0	−0.3		
GYA	47.3	257	−P	02 53 01.6	−0.4		
KMI	50.6	260	+P	02 53 27.0	−0.9		
			S	03 00 39.0	0.9		
			LZ	$M_S = 4.7$	28.0	1.14
QZN	51.2	248	−P	02 53 34.4	2.2		

FEB 4d 06h 18m 39.8 ± 0.11s, SD1.82 / 14
40.36 N ± 0.65km, 77.68 E ± 0.63km, h20 ± 0.64km
Southern Xinjiang Province (321)
M_L4.0 / 6,

KSH	1.6	239	+iPg	06 19 08.5	0.2		
			Sg	06 19 32.0	2.0		
			SME			3.0	4.20
WMQ	8.2	62	P	06 20 43.5	2.5		
			S	06 22 17.0	3.2		
			SMN	$M_L = 3.9$		1.0	0.030

FEB 4d 16h 52m 54.1 ± 0.08s, SD1.89 / 20
36.63 N ± 0.92km, 106.21 E ± 0.70km, h11 ± 0.23km
Northern China (323)
M_L3.5 / 17,

LZH	2.0	255	Pn	16 53 28.5	0.3		
			Pg	16 53 31.5	2.3		
			Sn	16 53 52.5	−2.2		
			Sg	16 53 55.5	−0.9		
			SMN	$M_L = 4.0$		1.0	1.37
			SME			1.0	1.37
XAN	3.4	139	Pn	16 53 46.0	−1.5		
			Pg	16 53 53.7	−0.5		
			Sg	16 54 34.8	−6.0		
			SMN	$M_L = 3.1$		0.6	0.060
			SME			0.6	0.050
BTO	5.0	36	Pn	16 54 08.8	−0.1		
			Pg	16 54 22.0	0.5		
			Sg	16 55 28.2	−1.1		
TIY	5.1	76	ePg	16 54 23.8	−0.2		
			Sn	16 55 05.9	−5.5		
			Sg	16 55 27.2	−6.2		
			SMN	$M_L = 4.1$		1.5	0.24
			SME			1.5	0.17
GTA	5.8	301	Pn	16 54 20.0	0.0		
			Pg	16 54 38.6	2.8		
			Sg	16 55 51.8	−2.8		
			SMN	$M_L = 3.3$		0.8	0.030
			SME			0.8	0.020
HHC	5.9	43	Pg	16 54 40.0	0.9		
			Sg	16 55 55.0	−5.0		
			SMN	$M_L = 3.6$		0.6	0.030
			SME			0.6	0.060
CD2	6.1	200	ePg	16 54 42.2	1.0		
			Sg	16 56 01.6	−2.4		

FEB 5d 00h 05m 36.9 ± 0.04s, SD1.09 / 30
52.79 N ± 0.65km, 87.67 E ± 0.76km, h33 ± 0.14km
Central Russia (326)
M_L4.4 / 3,

WMQ	9.0	180	eP	00 07 46.8	−0.7		
			SMN	$M_L = 4.4$		1.0	0.080
			SME			1.0	0.070
GTA	15.8	143	P	00 09 18.0	−0.6		

			SMN			1.0	0.010
			SME			1.0	0.010
BTO	19.5	120	eP	00 10 05.0	0.7		
HHC	20.1	117	eP	00 10 10.0	−1.4		
BJI	23.2	112	eP	00 10 43.0	0.5		
CD2	24.8	145	P	00 11 00.2	2.4		

FEB 5d 03h 25m 31.2 ± 0.11s, SD1.23 / 88
9.22 S ± 1.72km, 124.11 E ± 1.51km, h77 ± 0.15km
Timor (289)
M_S5.1 / 21, m_B5.8 / 13, m_b5.2 / 10,

QZN	31.4	333	P	03 31 47.5	0.1		
			eS	03 36 48.0	−0.4		
			LN	M_S = 4.9		15.0	1.30
GZH	33.8	342	P	03 32 10.0	1.8		
QZH	34.4	351	eP	03 32 13.3	0.1		
			S	03 37 37.0	3.2		
			SME	m_B = 5.4		10.0	1.02
			SS	03 39 52.0	3.5		
			LN	M_S = 4.6		14.0	0.51
GYA	39.3	335	P	03 32 55.0	0.2		
			pP	03 33 18.0	5.1		
			sP	03 33 21.2	−1.2		
			S	03 38 47.0	−2.0		
			ScS	03 42 56.0	3.2		
			LE	M_S = 5.3		14.0	2.00
KMI	40.0	329	+P	03 33 02.0	1.5		
			PMZ			3.0	0.53
			S	03 39 00.0	0.8		
SSE	40.2	356	+P	03 33 02.1	0.3		
			PMZ	m_b = 5.1		1.0	0.030
			pP	03 33 21.0	0.7		
			eS	03 39 06.0	3.0		
			sS	03 39 38.0	3.2		
			LZ	M_S = 4.6		22.0	1.06
WHN	40.6	347	eP	03 33 06.6	1.0		
			iS	03 39 08.0	−1.7		
			SME	m_B = 5.4		8.0	0.60
			sS	03 39 40.0	−1.5		
			LZ	M_S = 4.8		22.0	1.50
NJ2	41.3	353	−P	03 33 12.0	0.6		
			pP	03 33 30.0	0.2		
			S	03 39 18.0	−1.3		
			LZ	M_S = 4.5		20.0	0.67
CD2	44.4	335	eP	03 33 36.2	−0.4		
			S	03 40 01.0	−3.2		
			ScS	03 43 25.5	1.8		
XAN	45.4	342	P	03 33 43.2	−1.0		
			pP	03 34 03.6	1.0		
			sP	03 34 12.0	0.1		
			ScP	03 39 11.0	4.6		
			S	03 40 15.0	−2.9		
			ScS	03 43 31.0	1.3		
			LE	M_S = 5.1		13.0	0.87
TIA	45.7	352	eP	03 33 44.3	−2.1		
			sP	03 34 11.5	−2.7		
			eS	03 40 16.0	−7.1		
			LN	M_S = 4.8		29.0	0.72
			LE			29.0	0.87
DL2	47.9	357	eP	03 34 03.5	−0.7		
			eS	03 40 49.0	−6.2		
			LZ	M_S = 4.6		20.0	0.60
TIY	47.9	348	eP	03 34 03.7	−0.8		
			S	03 40 50.5	−3.9		
			SME	m_B = 5.8		8.0	0.99
			LN	M_S = 5.2		15.0	0.66
			LE			15.0	0.96
			LZ	M_S = 4.8		30.0	1.40
LZH	48.9	338	eP	03 34 12.0	−0.2		
			PMZ	m_b = 5.6		2.0	0.17
			pP	03 34 30.0	−0.7		
			S	03 41 07.0	−1.3		
BJI	49.6	352	eP	03 34 15.0	−1.8		
LSA	50.0	322	+iP	03 34 20.7	−0.3		
			iS	03 41 24.0	−1.5		
			SME	m_B = 6.1		6.0	1.52
SNY	50.8	359	−iP	03 34 24.8	−1.4		
			S	03 41 30.0	−4.0		
			LN	M_S = 5.1		20.0	0.84
			LE			20.0	0.83
HHC	51.1	348	eP	03 34 27.9	−1.1		
			S	03 41 39.0	0.2		
			LE	M_S = 4.9		14.0	0.47
BTO	51.2	346	eP	03 34 30.0	0.2		
			epP	03 34 47.0	−1.5		
			S	03 41 39.5	−0.7		
			LN	M_S = 5.0		14.0	0.60
			LE			14.0	0.40
CN2	52.8	1	+P	03 34 41.0	−0.2		
			pP	03 35 00.0	−0.1		
			S	03 42 00.0	−1.1		
			LZ	M_S = 4.8		20.0	1.00
GTA	53.4	337	+P	03 34 45.0	−0.8		
			pP	03 35 04.0	−0.6		
			sP	03 35 16.0	2.2		
			S	03 42 09.0	−0.4		
			SME	m_B = 5.6		8.0	0.65
			sS	03 42 47.0	3.7		
			ScS	03 44 29.0	5.6		
			LN	M_S = 4.9		26.0	0.85
			LZ	M_S = 4.8		20.0	0.87
MDJ	53.8	5	−P	03 34 48.4	−0.4		
			pP	03 35 03.5	−4.2		
			iS	03 42 14.0	−2.3		
			sS	03 42 44.0	−5.1		
			LZ	M_S = 5.1		24.0	1.90
WMQ	62.3	331	+iP	03 35 48.0	0.0		
			pP	03 36 07.5	0.1		
			S	03 44 06.0	0.6		
			LZ	M_S = 4.9		20.0	0.87
KSH	65.9	321	P	03 36 12.0	0.1		
			pP	03 36 30.0	−1.3		
			iS	03 44 54.0	2.0		
			SMN	m_B = 6.3		6.0	2.40
			LN	M_S = 5.4		4.4	0.35

FEB 5d 08h 04m 34.1 ± 0.06s, SD0.88 / 95
13.01 N ± 0.92km, 145.87 E ± 1.47km, h70 ± 0.39km
South of the Marianas (210)
M_S5.0 / 22, m_B5.7 / 8, m_b5.4 / 12,

QZH	28.3	299	eP	08 10 21.7	−2.1		
			S	08 15 02.0	−1.3		
			LN	M_S = 4.8		27.0	1.88
SSE	29.0	312	+P	08 10 29.0	−0.7		
			PMZ	m_b = 5.4		1.0	0.080
			pP	08 10 50.5	4.5		
			ePP	08 11 26.0	0.6		
			eS	08 15 13.0	−1.6		
			LN	M_S = 4.8		15.0	1.18
			LZ	M_S = 4.9		22.0	2.88
NJ2	31.2	312	−P	08 10 48.5	−0.7		
			S	08 15 42.0	−6.4		
DL2	33.6	325	eP	08 11 11.0	1.2		
			esP	08 11 38.5	3.5		
			eS	08 16 28.0	1.8		
			LZ	M_S = 4.7		26.0	2.00

WHN	33.9	306	P	08 11 13.0	0.2			
			eS	08 16 32.0	0.3			
			LZ	M_S=4.8		20.0	1.90	
MDJ	34.4	339	eP	08 11 17.0	−0.3			
			S	08 16 36.0	−2.9			
			LZ	M_S=5.0		24.0	3.10	
TIA	34.7	317	eP	08 11 19.3	0.1			
			sP	08 11 46.2	1.8			
			eS	08 16 42.0	−1.1			
			LN	M_S=4.7		28.0	1.06	
			LE			28.0	0.54	
			LZ	M_S=5.0		28.0	3.90	
SNY	34.7	330	+P	08 11 19.0	−0.2			
			eS	08 16 44.0	0.9			
			LN	M_S=4.9		20.0	1.20	
			LE			18.0	0.87	
			LZ	M_S=4.8		20.0	1.69	
QZN	35.1	285	+P	08 11 23.4	0.4			
			eS	08 16 52.0	2.0			
			LE	M_S=5.0		17.0	1.40	
CN2	35.4	334	eP	08 11 25.0	−0.1			
			PcP	08 13 53.0	−0.7			
BJI	37.5	321	eP	08 11 42.0	−1.2			
TIY	38.6	316	+iP	08 11 53.2	0.5			
			PMZ	m_b=5.8		1.0	0.14	
			pP	08 12 09.5	0.1			
			sP	08 12 18.5	0.6			
			PP	08 13 22.5	−2.7			
			S	08 17 45.0	2.1			
			SMN	m_B=5.7		8.0	0.70	
			SME			7.0	0.92	
			PcS	08 17 53.0	1.4			
			LN	M_S=5.2		14.0	0.93	
			LE			16.5	1.37	
			LZ	M_S=5.1		20.0	2.62	
GYA	39.1	296	P	08 11 57.8	1.2			
			pP	08 12 17.0	3.7			
			PcP	08 14 06.0	0.9			
			S	08 17 51.0	1.0			
			LE	M_S=4.9		18.0	1.10	
XAN	39.5	308	P	08 12 00.2	0.1			
			PcP	08 14 08.0	1.5			
			PcS	08 17 57.0	2.0			
HHC	40.8	319	+P	08 12 11.6	0.5			
BTO	41.7	318	+P	08 12 18.5	0.3			
			epP	08 12 36.0	1.0			
			S	08 18 31.5	2.5			
			LN	M_S=5.1		17.0	1.10	
			LE			17.0	1.00	
KMI	42.3	293	+P	08 12 24.5	1.0			
			PcP	08 14 17.5	1.9			
			S	08 18 38.0	−0.2			
			LE	M_S=4.9		16.0	0.75	
CD2	42.6	302	P	08 12 25.5	−0.2			
			S	08 18 40.0	−2.5			
LZH	44.1	309	+iP	08 12 38.5	0.4			
			PMZ	m_b=5.7		1.5	0.18	
			S	08 19 06.0	1.5			
			SME	m_B=5.7		6.0	0.67	
GTA	48.3	312	+iP	08 13 11.0	0.2			
			PcP	08 14 37.5	1.2			
			S	08 20 06.0	2.6			
			LE	M_S=5.0		22.0	1.22	
			LZ	M_S=4.8		22.0	1.17	
LSA	53.1	297	P	08 13 47.4	−0.5			
WMQ	58.2	314	+iP	08 14 24.5	0.3			
			S	08 22 22.0	3.9			
			ScS	08 24 09.0	6.3			
			LZ	M_S=5.1		28.0	2.09	
KSH	66.4	308	P	08 15 20.0	1.3			
			ePP	08 17 42.0	−4.9			
			iS	08 24 08.0	5.6			
			SME	m_B=6.1		6.0	1.50	

FEB 5d 11h 41m 06.2±0.06s, SD0.96/31
45.62 N±2.05km, 151.48 E±0.95km, h47±1.08km
Kurile Islands (221)

MDJ	15.5	274	eP	11 44 41.3	−1.9			
CN2	18.6	274	+P	11 45 20.5	−1.3			
BJI	26.3	270	eP	11 46 41.0	1.0			
GTA	38.0	279	+P	11 48 23.0	0.7			
CD2	39.7	265	P	11 48 36.1	0.4			
GYA	40.4	257	P	11 48 41.2	−0.4			
WMQ	44.3	292	P	11 49 15.0	1.3			

FEB 5d 13h 44m 47.1±0.09s, SD0.86/61
18.10 S±0.43km, 178.12 W±1.13km, h614±1.05km
Fiji region (181)

SSE	76.1	310	P	13 55 34.5	−0.5			
NJ2	78.3	309	+P	13 55 46.8	0.0			
MDJ	78.5	325	+P	13 55 48.4	0.4			
SNY	80.3	320	+iP	13 55 57.1	−0.4			
CN2	80.3	322	+iP	13 55 57.3	−0.3			
WHN	80.9	306	eP	13 56 01.0	0.3			
BJI	84.1	315	eP	13 56 16.5	−0.1			
GYA	85.4	300	P	13 56 23.0	0.2			
TIY	85.6	312	+P	13 56 24.4	0.5			
XAN	86.6	307	P	13 56 28.7	0.1			
HHC	87.6	314	eP	13 56 34.0	0.6			
KMI	88.2	297	eP	13 56 37.5	1.4			
BTO	88.6	314	eP	13 56 39.3	1.5			
GTA	95.4	310	P	13 57 09.0	0.0			

FEB 5d 14h 01m 02.6±0.10s, SD1.38/99
24.69 S±3.09km, 70.30 W±2.95km, h32±0.70km
Near coast of Northern Chile (122)
M_S7.2/47, m_B6.7/29,

KSH	148.0	54	iPKP	14 20 45.0	2.1			
			PP	14 24 14.0	−2.6			
			SKKS	14 31 06.0	5.4			
			SS	14 43 16.0	−0.7			
			LN	M_S=7.3		18.0	33.6	
WMQ	153.8	38	PKP	14 20 51.5	0.0			
			sPKP	14 21 08.0	3.7			
			PP	14 24 46.0	−3.4			
			PPMZ	m_B=6.9		5.0	4.43	
			SKKS	14 31 39.0	6.6			
			LN	M_S=7.3		19.0	25.0	
			LE			20.0	22.8	
			LZ	M_S=7.1		22.0	31.0	
MDJ	154.4	326	ePKP	14 20 51.5	−0.8			
			ePKP2	14 21 14.0	−1.9			
			pPKP2	14 21 20.0				
			PP	14 24 50.0	−2.6			
			SKS	14 27 55.0	2.5			
			SS	14 44 20.0	−6.8			
			LZ	M_S=7.3		56.0	115	
CN2	157.0	330	iPKP	14 20 55.0	−0.7			
			pPKP	14 21 05.0	−0.1			
			ePP	14 25 04.0	−2.6			
			PPMZ	m_B=6.7		8.0	5.60	
			LE	M_S=7.2		20.0	31.1	
			LZ	M_S=7.2		20.0	29.6	
SNY	159.4	329	+PKP	14 20 56.4	−2.3			
			pPKP	14 21 09.0	1.0			
			PKP2	14 21 33.0	−4.4			

			LN		$M_S = 7.4$		32.0	26.7
			LE				24.0	48.4
			LZ		$M_S = 7.3$		22.0	41.6
DL2	162.6	327	iPKP	14 21	02.0	0.0		
			pPKP	14 21	14.0	2.7		
			ePKP2	14 21	51.0	−0.3		
			PP	14 25	36.0	−0.5		
			PPMZ				23.0	9.35
			SS	14 45	54.0	0.5		
			LE		$M_S = 7.2$		20.0	29.5
			LZ		$M_S = 7.1$		20.0	26.8
LSA	162.8	69	PKP	14 21	03.0	0.4		
			pPKP	14 21	10.5	−1.0		
			PKP2	14 21	54.0	2.0		
			PP	14 25	39.0	1.7		
			PPMZ		$m_B = 6.6$		7.0	4.34
			LE		$M_S = 7.2$		19.0	26.1
GTA	163.1	27	iPKP	14 21	03.1	0.5		
			pPKP	14 21	14.3	2.5		
			PKP2	14 21	54.5	1.0		
			iPP	14 25	35.0	−4.3		
			PPMZ		$m_B = 6.6$		10.0	5.36
			SKKS	14 32	25.0	2.9		
			SS	14 45	52.0	−6.9		
			LE		$M_S = 7.4$		23.0	58.5
			LZ		$M_S = 7.2$		26.0	41.5
BJI	163.8	342	PKP	14 21	03.0	−0.1		
			PKP2	14 21	56.0	−0.4		
			pPKP2	14 22	06.0			
			ePP	14 25	38.0	−5.2		
			LE		$M_S = 7.1$		19.0	23.0
HHC	163.8	355	iPKP	14 21	04.0	0.7		
			pPKP	14 21	15.0	2.5		
			PKP2	14 21	56.0	−0.6		
			PP	14 25	42.0	−1.5		
			PPMZ		$m_B = 6.8$		7.0	6.10
			SS	14 46	08.5	1.9		
			LN		$M_S = 7.1$		17.0	13.5
			LE				19.0	15.9
BTO	164.1	359	+iPKP	14 21	04.0	0.4		
			sPKP	14 21	18.5	2.1		
			PKP2	14 21	57.5	−0.5		
			sPKP2	14 22	14.5			
			iPP	14 25	42.5	−2.8		
			PPMZ		$m_B = 6.6$		10.0	6.30
			eSKKS	14 32	26.5	−0.7		
			SS	14 46	03.0	−7.0		
			LN		$M_S = 7.0$		20.0	12.4
			LE				20.0	16.1
			LZ		$M_S = 7.2$		20.0	29.5
TIY	166.8	350	+PKP	14 21	05.8	−0.2		
			pPKP	14 21	17.5	2.3		
			PKP2	14 22	09.0	−0.6		
			pPKP2	14 22	19.0			
			PP	14 25	53.0	−5.7		
			PPMZ		$m_B = 6.8$		9.0	8.08
			SKKS	14 32	34.0	−6.6		
			SS	14 46	30.0	−6.7		
			LN		$M_S = 7.2$		20.0	26.2
			LZ		$M_S = 7.4$		23.0	63.8
TIA	166.9	333	PKP	14 21	05.3	−0.6		
			pPKP	14 21	17.0	1.8		
			PPMZ		$m_B = 6.5$		8.0	3.59
			LN		$M_S = 7.3$		20.0	10.9
			LE				20.0	33.5
			LZ		$M_S = 7.0$		20.0	23.9
LZH	167.6	23	iPKP	14 21	07.5	1.0		
			pPKP	14 21	18.0	2.4		
			PKP2	14 22	16.0	3.1		
			PP	14 26	04.0	1.5		
			PPMZ		$m_B = 6.6$		7.0	4.44
			SS	14 46	46.0	1.7		
			LE		$M_S = 7.1$		18.0	22.3
SSE	168.0	305	+iPKP	14 21	07.0	0.4		
			pPKP	14 21	19.0	3.1		
			PKP2	14 22	16.0	1.1		
			PP	14 26	04.0	−0.7		
			SKKS	14 32	48.0	1.4		
			SS	14 46	48.0	−0.8		
			LE		$M_S = 7.3$		28.0	52.0
			LZ		$M_S = 7.3$		24.0	55.9
NJ2	169.1	314	iPKP	14 21	07.0	−0.2		
			iPP	14 26	09.0	−1.2		
XAN	170.7	4	iPKP	14 21	08.0	−0.3		
			pPKP	14 21	19.0	1.5		
			PKP2	14 22	25.6	−1.0		
			SKKS	14 33	01.0	1.1		
			LE		$M_S = 7.0$		19.0	19.6
CD2	171.9	39	iPKP	14 21	09.8	0.8		
			pPKP	14 21	21.0	2.8		
			PKP2	14 22	35.0	3.1		
			PP	14 26	20.0	−4.0		
			SKKS	14 33	10.0	4.1		
			LN		$M_S = 7.4$		19.0	36.8
			LE				19.0	38.8
QZH	171.9	274	iPKP	14 21	09.0	0.1		
			pPKP	14 21	20.0	1.7		
			PKP2	14 22	33.0	0.8		
			pPKP2	14 22	44.0			
			PP	14 26	26.0	1.8		
			PPMZ		$m_B = 6.5$		10.0	5.24
			SKKS	14 33	10.0	3.8		
			LN		$M_S = 7.1$		20.0	14.2
			LE				52.0	63.7
WHN	172.9	326	+iPKP	14 21	09.0	−0.4		
			pPKP	14 21	20.0	1.3		
			iPP	14 26	27.5	−1.4		
			PPMZ		$m_B = 6.7$		11.0	8.90
			SS	14 47	36.0	−0.3		
			LZ		$M_S = 7.3$		32.0	79.4
KMI	173.7	85	+PKP	14 21	10.0	0.1		
			pPKP	14 21	22.0	3.0		
			sPKP	14 21	27.0	4.5		
			PKP2	14 22	39.0	−0.9		
			pPKP2	14 22	52.0			
			iPP	14 26	35.0	2.1		
			PPMZ		$m_B = 6.8$		10.0	10.0
			SKKS	14 33	16.0	1.9		
			SS	14 47	38.0	−5.5		
			LZ		$M_S = 7.1$		20.0	29.6
QZN	174,4	181	iPKP	14 21	11.0	1.1		
			pPKP	14 21	22.0	2.8		
			PP	14 26	32.0	−4.5		
			PPMZ		$m_B = 6.7$		9.0	7.60
			SKS	14 28	11.5	5.0		
			SKKS	14 33	14.0	−3.3		
			LN		$M_S = 6.9$		21.0	24.6
			LE				21.0	15.1
GZH	176.3	245	iPKP	14 21	11.0	0.5		
			pPKP	14 21	23.0	3.2		
			PP	14 26	45.0	−1.0		
			PPMZ		$m_B = 6.7$		8.0	6.01
			SKKS	14 33	31.0	4.1		
			SS	14 48	11.0	2.5		
			LN		$M_S = 6.8$		16.0	5.17
			LE				21.0	26.8

GYA	176.7	57	+PKP	14 21 11.0	0.3			
			sPKP	14 21 23.0	−0.4			
			PKP2	14 22 57.0	3.4			
			PP	14 26 50.0	2.5			
			SKKS	14 33 28.0	−0.4			
			LN	M_S=6.7		19.0	15.0	
			LE			19.0	13.0	

FEB 5d 16h 47m 09.5±0.07s, SD1.73/23
34.78 N±0.77km, 80.56 E±0.95km, h32±0.06km
Tibet (306)
M_S4.4/1,

KSH	6.0	323	ePn	16 48 40.0	3.3			
			LN	M_S=4.4		5.0	1.90	
LSA	10.3	117	eP	16 49 38.6	−0.2			
WMQ	10.6	29	eP	16 49 41.5	−0.7			
GTA	16.0	68	eP	16 50 55.3	0.6			
GYA	23.9	103	P	16 52 21.8	0.1			

FEB 5d 18h 49m 32.1±0.12s, SD1.25/85
24.82 S±2.04km, 70.53 W±2.80km, h29±0.71km
Off coast of Northern Chile (121)
M_S6.4/38, m_B6.2/2,

KSH	148.3	54	+iPKP	19 09 14.0	0.8			
			PP	19 12 45.0	−2.9			
			LE	M_S=6.8		19.0	11.2	
WMQ	154.0	38	iPKP	19 09 21.5	−0.3			
			PKP2	19 09 45.0	0.6			
			PP	19 13 18.0	−2.7			
			LZ	M_S=6.4		24.0	6.40	
MDJ	154.4	325	ePKP	19 09 21.0	−1.2			
			pPKP	19 09 30.0	−0.7			
			ePKP2	19 09 44.0	−1.8			
			PP	19 13 20.0	−2.5			
			SS	19 32 50.0	−6.9			
			LZ	M_S=6.8		22.0	15.2	
CN2	157.0	329	PKP	19 09 25.0	−0.7			
			pPKP	19 09 35.0	0.8			
			PP	19 13 35.0	−1.6			
			LE	M_S=6.4		19.0	4.50	
			LZ	M_S=6.7		20.0	10.9	
SNY	159.4	329	+PKP	19 09 28.0	−0.6			
			pPKP	19 09 40.0	2.8			
			PP	19 13 49.0	−0.5			
			LN	M_S=6.4		32.0	2.15	
			LE			20.0	5.33	
			LZ	M_S=6.5		20.0	6.88	
DL2	162.6	327	PKP	19 09 31.0	−0.9			
			esPKP	19 09 44.0	0.3			
			ePKP2	19 10 21.0	−0.2			
			PP	19 14 07.0	0.6			
			PPMZ			20.0	2.07	
			SS	19 34 30.0	6.3			
			LE	M_S=6.5		19.0	5.27	
			LZ	M_S=6.4		20.0	5.18	
LSA	163.0	69	PKP	19 09 32.6	−0.2			
			PKP2	19 10 23.0	0.0			
			PP	19 14 09.0	0.4			
			PPMZ			3.0	0.85	
			SKKS	19 20 53.0	1.2			
			LE	M_S=6.5		24.0	7.22	
GTA	163.3	27	iPKP	19 09 33.0	0.2			
			pPKP	19 09 44.0	2.9			
			PKP2	19 10 23.5	−0.9			
			PP	19 14 05.0	−5.4			
			PPMZ			22.0	2.20	
			LN	M_S=6.6		22.0	8.27	
			LZ	M_S=6.5		22.0	7.00	
BJI	163.8	341	ePKP	19 09 33.0	−0.1			
			ePP	19 14 08.0	−5.5			
			LE	M_S=6.1		18.0	2.30	
HHC	163.9	354	PKP	19 09 34.0	0.6			
			PKP2	19 10 26.0	−1.0			
			PP	19 14 09.0	−5.1			
			PPMZ	m_B=6.3		5.0	1.45	
			SS	19 34 39.0	0.9			
			LN	M_S=6.3		16.0	2.43	
			LE			18.0	2.55	
BTO	164.3	358	+PKP	19 09 34.5	0.8			
			pPKP	19 09 45.0	2.9			
			PKP2	19 10 29.0	0.5			
			epPKP	19 09 40.0	−2.1			
			PP	19 14 13.0	−3.0			
			eSKKS	19 20 55.0	−3.1			
			SS	19 34 40.0	−1.6			
			LN	M_S=6.4		19.0	1.60	
			LE			21.0	5.20	
			LZ	M_S=6.5		21.0	7.20	
TIA	166.9	332	PKP	19 09 36.2	0.3			
			pPKP	19 09 47.0	2.7			
			PPMZ			20.0	2.13	
			LN	M_S=6.4		20.0	2.04	
			LE			20.0	4.03	
			LZ	M_S=5.9		20.0	1.83	
TIY	166.9	350	ePKP	19 09 36.0	0.0			
			sPKP	19 09 49.0	1.3			
			PKP2	19 10 40.0	0.0			
			sPKP	19 09 53.0	5.3			
			PP	19 14 24.0	−5.1			
			PPMZ			18.0	2.79	
			SKKS	19 21 17.0	5.7			
			SS	19 35 05.0	−2.9			
			LN	M_S=6.4		21.0	3.43	
			LE			18.0	3.37	
			LZ	M_S=6.7		23.0	12.7	
LZH	167.8	22	PKP	19 09 37.5	0.9			
			pPKP	19 09 48.0	3.1			
			PKP2	19 10 45.0	1.2			
			PP	19 14 29.0	−4.4			
			LE	M_S=6.4		20.0	4.89	
SSE	167.9	304	PKP	19 09 37.0	0.5			
			pPKP	19 09 47.5	2.5			
			PKP2	19 10 44.0	−0.4			
			PP	19 14 32.0	−2.1			
			SKKS	19 21 18.0	1.6			
			SS	19 35 12.0	−6.0			
			LE	M_S=6.5		24.0	7.00	
			LZ	M_S=6.5		22.0	7.67	
NJ2	169.0	313	PKP	19 09 36.8	−0.4			
			PKP2	19 10 50.0	0.6			
			PP	19 14 38.0	−1.8			
			LZ	M_S=6.2		24.0	4.57	
XAN	170.8	3	iPKP	19 09 38.7	0.4			
			sPKP	19 09 52.5	2.5			
			PKP2	19 10 56.0	−1.2			
			PP	19 14 44.5	−4.1			
			SKKS	19 21 32.0	1.2			
			LN	M_S=6.7		19.0	11.0	
QZH	171.7	273	+PKP	19 09 39.0	0.2			
			pPKP	19 09 50.0	2.7			
			PP	19 14 56.0	2.9			
			SKKS	19 21 37.5	2.1			
			LN	M_S=6.2		24.0	4.71	
CD2	172.1	39	iPKP	19 09 39.6	0.5			
			sPKP	19 09 55.0	4.2			
			PKP2	19 11 04.0	1.1			

			PP	19 14 52.0	−3.1			
			SKKS	19 21 39.0	1.7			
			LE	M_S=6.1		17.0	2.76	
			LZ	M_S=6.6		20.0	9.05	
WHN	172.8	324	+PKP	19 09 40.5	1.1			
			pPKP	19 09 54.0	6.1			
			PP	19 14 56.0	−2.8			
			PPMZ			20.0	4.45	
			SKKS	19 21 44.0	2.9			
			LZ	M_S=6.4		28.0	7.80	
KMI	173.9	86	+PKP	19 09 40.0	0.1			
			pPKP	19 09 47.0	−1.2			
			sPKP	19 09 53.5	2.0			
			PKP2	19 11 11.0	0.1			
			PP	19 15 04.0	0.0			
			SKKS	19 21 45.0	−0.3			
			LN	M_S=6.4		20.0	7.80	
QZN	174.2	183	PKP	19 09 41.0	1.2			
			ePKP2	19 11 09.0	−3.4			
			PP	19 15 02.0	−3.7			
			SKS	19 16 40.0	3.3			
			SKKS	19 21 42.0	−4.8			
			LN	M_S=6.3		24.0	4.50	
			LE			23.0	5.90	
GZH	176.1	245	ePKP	19 09 41.0	0.6			
			PP	19 15 16.0	1.2			
			LE	M_S=6.2		15.0	4.31	
GYA	177.0	57	+PKP	19 09 41.0	0.3			
			pPKP	19 09 51.0	2.0			
			PKP2	19 11 24.0	−0.6			
			PP	19 15 20.0	1.5			
			LN	M_S=6.2		20.0	5.10	
			LE			20.0	4.90	

FEB 5d 20h 11m 18.7±0.09s, SD2.62/15
34.26 N±0.83km, 102.74 E±1.12km, h11±0.22km
Sichuan Province (307)
M_L3.2/6,

LZH	2.0	26	Pn	20 11 57.5	4.0			
			Pg	20 12 00.0	5.3			
			Sn	20 12 27.5	6.9			
			SMN	M_L=3.2		1.0	0.22	
			SME			1.0	0.19	
CD2	3.5	165	ePn	20 12 16.0	3.1			
			Sn	20 13 00.9	5.1			
			SMN	M_L=3.1		1.0	0.050	
			SME			1.2	0.070	
XAN	5.1	91	Pn	20 12 34.7	−1.3			
			Pg	20 12 51.4	2.0			
			Sn	20 13 34.4	−3.0			
			Sg	20 14 01.5	1.9			
			SMN	M_L=3.4		1.0	0.050	
			SME			1.0	0.040	
GTA	5.6	336	ePn	20 12 45.0	1.8			
			SMN	M_L=2.9		1.1	0.010	
			SME			1.0	0.010	

FEB 6d 02h 32m 03.2±0.09s, SD1.15/78
4.60 S±1.27km, 153.27 E±1.87km, h29±0.33km
New Britain region (192)
m_b5.5/3,

SSE	46.9	321	eP	02 40 34.5	1.3			
			eS	02 47 23.0	1.5			
			eSS	02 50 42.0	1.8			
			LZ	M_S=4.7		20.0	0.93	
QZN	48.8	300	eP	02 40 49.8	1.8			
NJ2	49.0	321	eP	02 40 48.5	−1.1			
			LZ	M_S=4.4		20.0	0.37	
WHN	51.0	316	P	02 41 05.5	0.2			
DL2	52.2	329	eP	02 41 19.4	5.0			
			LZ	M_S=4.6		22.0	0.63	
TIA	52.8	323	−P	02 41 18.2	−0.7			
MDJ	53.4	339	eP	02 41 22.0	−1.1			
CN2	54.3	335	eP	02 41 29.0	−0.8			
GYA	54.6	307	P	02 41 32.4	0.0			
BJI	56.0	326	eP	02 41 41.5	−0.4			
TIY	56.7	322	eP	02 41 46.7	−0.2			
			eS	02 49 41.0	5.0			
			LZ	M_S=4.8		23.0	0.92	
XAN	56.8	316	eP	02 41 46.2	−1.7			
KMI	57.3	304	+P	02 41 52.0	0.7			
CD2	59.0	310	P	02 42 02.6	−0.5			
HHC	59.2	324	P	02 42 04.6	0.1			
BTO	59.9	323	eP	02 42 10.0	0.3			
LZH	61.4	316	eP	02 42 20.5	0.6			
			PMZ	m_b=5.6		2.0	0.15	
GTA	65.8	317	P	02 42 48.6	−0.3			
WMQ	75.9	317	P	02 43 49.8	0.1			
KSH	83.2	311	P	02 44 31.0	1.9			

FEB 6d 04h 19m 10.2±0.07s, SD1.69/23
49.91 N±1.17km, 78.23 E±1.24km, h34±0.22km
Eastern Kazakhstan (329)
M_L4.4/6,

WMQ	8.9	130	P	04 21 19.4	−0.3			
			SMN	M_L=4.3		0.8	0.050	
			SME			1.0	0.070	
GTA	18.5	116	P	04 23 27.6	1.2			
GYA	32.0	126	P	04 25 37.6	1.2			

FEB 6d 05h 23m 57.4±0.09s, SD1.08/68
16.64 S±1.06km, 124.71 E±1.48km, h10±0.14km
Western Australia (590)
m_b5.3/2,

QZN	38.3	337	eP	05 31 21.0	0.3			
GZH	41.0	344	+P	05 31 43.2	0.3			
GYA	46.3	337	+P	05 32 25.0	−0.7			
KMI	46.7	332	+P	05 32 30.5	1.4			
WHN	48.0	348	eP	05 32 39.0	0.3			
NJ2	48.7	353	−P	05 32 45.2	0.5			
CD2	51.4	337	P	05 33 04.7	−0.4			
XAN	52.6	343	+P	05 33 13.1	−1.1			
TIY	55.3	348	eP	05 33 33.0	−1.0			
			LZ	M_S=4.7		20.0	0.62	
DL2	55.3	357	eP	05 33 34.0	−0.2			
LZH	56.0	340	P	05 33 40.0	0.5			
			PMZ	m_b=5.5		1.0	0.070	
BJI	56.9	352	eP	05 33 45.0	−0.9			
SNY	58.2	359	−iP	05 33 53.8	−0.7			
HHC	58.5	348	+P	05 33 56.7	−0.1			
BTO	58.6	347	eP	05 33 57.0	−0.3			
CN2	60.1	1	eP	05 34 06.5	−1.7			
GTA	60.4	338	+P	05 34 10.4	0.2			
MDJ	61.1	4	eP	05 34 14.2	−0.6			
WMQ	69.0	332	P	05 35 07.0	0.9			

FEB 6d 14h 50m 44.3±0.09s, SD1.55/105
24.76 N±1.31km, 91.54 E±1.21km, h31±0.27km
India–Bangladesh border region (315)
M_S6.0/52, m_B6.1/30, m_b6.1/7,

LSA	4.9	356	Pn	14 52 00.0	2.8			
			Pg	14 52 12.0	0.5			
			Sn	14 52 49.0	−5.4			
			SMN			6.0	165	
			SME			8.0	213	
KMI	10.2	86	+iP	14 53 12.0	0.4			

			pP	14 53 14.0	−4.2			
			sP	14 53 18.0	−4.8			
			S	14 55 05.0	−0.2			
			LN	M_S=5.8		10.0	45.6	
CD2	12.4	58	eP	14 53 40.7	−1.3			
			S	14 55 57.0	−2.9			
			LN	M_S=6.2		10.0	68.1	
			LE			9.0	23.8	
GYA	13.8	80	+P	14 53 58.0	−1.7			
			pP	14 54 09.0	2.5			
			S	14 56 28.0	−3.8			
			LN	M_S=5.6		10.0	12.0	
			LE			10.0	12.0	
			LZ	M_S=5.8		12.0	38.0	
LZH	15.5	40	eP	14 54 21.5	−0.8			
			sP	14 54 30.0	−3.8			
			S	14 57 12.0	−0.5			
			sS	14 57 29.0	4.7			
			LN	M_S=5.7		14.0	25.8	
GTA	16.2	24	−P	14 54 28.7	−2.7			
			PMZ			3.0	2.09	
			sP	14 54 38.0	−5.0			
			SMN	m_B=6.1		7.0	6.85	
			LN	M_S=5.7		15.0	24.0	
			LZ	M_S=5.7		14.5	30.5	
XAN	17.7	55	+iP	14 54 47.7	−2.9			
			PMZ	m_B=6.1		4.0	3.60	
			S	14 58 03.5	−0.7			
QZN	17.9	105	+iP	14 54 51.5	−1.4			
			pP	14 54 57.0	−3.3			
			LN	M_S=5.8		12.0	18.2	
			LE			11.0	10.8	
WMQ	19.3	352	−iP	14 55 09.2	−0.1			
			PMZ	m_B=6.3		5.0	8.13	
			S	14 58 35.0	−3.9			
			LZ	M_S=5.7		14.0	22.1	
KSH	19.7	322	P	14 55 15.5	0.9			
			PP	14 55 33.0	0.2			
			S	14 58 51.5	1.9			
			LE	M_S=6.5		12.0	91.3	
GZH	20.0	90	+iP	14 55 17.0	−0.3			
			PMZ	m_B=6.4		8.0	13.9	
			S	14 58 59.5	4.4			
			LN	M_S=6.1		12.0	33.2	
			LE			10.0	5.07	
WHN	21.0	69	+iP	14 55 28.0	0.3			
			PMZ	m_B=6.5		4.0	8.50	
			iS	14 59 18.0	2.9			
			SMN	m_B=6.6		8.0	18.6	
			isS	14 59 28.0	−0.5			
			LN	M_S=6.1		11.0	27.8	
			LZ	M_S=5.9		16.0	38.3	
TTY	22.0	49	+iP	14 55 37.8	0.1			
			sP	14 55 47.0	−3.2			
			PP	14 56 03.0	−0.1			
			iS	14 59 36.5	2.7			
			SMN			15.0	18.8	
			SME			16.0	12.4	
			sS	14 59 54.0	6.6			
			LN	M_S=5.9		14.0	20.7	
			LZ	M_S=5.9		14.0	32.7	
BTO	22.1	40	P	14 55 39.0	0.1			
			sP	14 55 47.0	−4.4			
			PP	14 56 07.0	2.4			
			S	14 59 39.0	4.0			
			sS	14 59 45.0	−4.5			
			SS	15 00 17.5	2.8			
			LN	M_S=6.1		11.0	17.1	
			LE			11.0	25.0	
			LZ	M_S=5.9		12.0	30.1	
HHC	23.2	41	+P	14 55 51.0	1.5			
			PP	14 56 24.0	4.4			
			SMN	m_B=6.5		12.0	10.9	
			SME			10.0	11.9	
			LN	M_S=6.1		12.0	20.3	
			LE			11.0	15.8	
QZH	24.5	84	+P	14 56 03.0	0.4			
			PMZ	m_B=6.1		5.0	3.86	
			eS	15 00 20.0	1.3			
			LN	M_S=6.1		20.0	41.0	
TIA	24.8	57	eP	14 56 05.7	1.0			
			PMZ	m_B=6.0		4.0	2.34	
			pP	14 56 09.8	−3.6			
			S	15 00 23.0	1.4			
			SMN	m_B=6.3		10.0	5.29	
			SME			6.6	5.54	
			sS	15 00 43.0	6.4			
			LN	M_S=5.9		15.0	14.4	
			LE			15.0	11.7	
			LZ	M_S=5.5		12.0	8.00	
NJ2	25.1	67	+P	14 56 08.0	0.4			
			LN	M_S=5.9		11.0	8.93	
			LE			12.0	10.5	
			LZ	M_S=5.7		14.0	14.8	
BJI	25.7	48	eP	14 56 14.5	1.1			
			PMZ	m_B=5.9		8.0	2.67	
			eS	15 00 40.0	2.4			
			LN	M_S=6.0		8.0	11.6	
SSE	26.9	70	−P	14 56 25.0	0.3			
			PMZ	m_B=5.8		10.0	2.00	
			pP	14 56 29.3	−4.2			
			sP	14 56 33.0	−4.4			
			S	15 00 58.0	1.0			
			sS	15 01 06.0	−6.4			
			LN	M_S=6.1		11.0	9.14	
			LE			12.0	17.6	
			LZ	M_S=5.9		12.0	20.6	
DL2	29.0	54	eP	14 56 45.0	0.9			
			esP	14 56 51.5	−5.4			
			PP	14 57 36.5	−1.4			
			eS	15 01 36.0	3.7			
			SME			20.0	5.46	
			LN	M_S=5.8		14.0	11.6	
			LZ	M_S=5.6		12.0	7.81	
SNY	31.5	49	−iP	14 57 06.0	0.1			
			sP	14 57 15.0	−3.6			
			S	15 02 10.0	−0.2			
			SMN			20.0	2.28	
			SME			13.0	1.89	
			LN	M_S=5.7		20.0	8.17	
			LE			19.0	5.87	
			LZ	M_S=5.6		14.0	8.85	
CN2	33.5	47	+P	14 57 23.4	−0.2			
			PMZ	m_B=6.1		5.0	1.50	
			sP	14 57 35.0	−1.4			
			eS	15 02 45.0	2.1			
			SME	m_B=6.1		8.0	2.80	
			LN	M_S=6.0		12.0	11.0	
			LZ	M_S=5.8		14.0	12.6	
MDJ	36.6	48	eP	14 57 50.5	0.6			
			sP	14 57 57.5	−5.2			
			S	15 03 32.0	2.6			
			sS	15 03 40.0	−5.2			
			SS	15 05 58.5	1.7			
			LN	M_S=5.8		30.0	15.2	

FEB 6d 15h 15m 40.3 ± 0.06s, SD0.95 / 98
6.55 S ± 0.88km, 131.96 E ± 1.21km, h38 ± 0.19km
Tanimbar Islands region (281)
M_S5.6 / 29, m_B6.2 / 19, m_b5.9 / 7,

QZN	33.5	320	+P	15 22 18.0	−0.5			
			S	15 27 34.0	−1.8			
			SS	15 29 37.0	−3.6			
			LN	M_S=5.4		12.0	1.40	
			LE			14.0	2.60	
QZH	33.9	338	eP	15 22 20.0	−2.1			
			iS	15 27 40.0	−3.2			
			sS	15 27 58.0	−2.1			
			LE	M_S=5.6		28.0	10.4	
GZH	34.6	329	eP	15 22 27.3	−1.0			
SSE	38.8	345	P	15 23 04.5	0.8			
			PMZ	m_b=5.9		1.0	0.20	
			pP	15 23 15.3	1.4			
			S	15 28 56.0	−1.9			
			sS	15 29 22.0	6.1			
			SS	15 31 48.0	6.3			
			LN	M_S=5.6		20.0	6.01	
			LZ	M_S=5.6		20.0	8.33	
NJ2	40.4	343	+P	15 23 17.7	1.2			
			pP	15 23 26.8	0.1			
			iS	15 29 21.0	−1.0			
			ScP	15 29 05.0	0.9			
WHN	40.6	336	+iP	15 23 19.0	0.9			
			PMZ	m_b=6.3		1.0	0.46	
			iS	15 29 22.0	−2.8			
			SME	m_B=6.3		8.0	3.90	
			LE	M_S=5.3		16.0	2.40	
			LZ	M_S=5.6		22.0	8.60	
GYA	41.0	324	+P	15 23 21.0	−0.7			
			pP	15 23 31.0	−0.7			
			S	15 29 27.0	−3.0			
			ScS	15 33 22.0	1.8			
			LN	M_S=5.6		11.0	2.60	
			LE			11.0	1.30	
KMI	42.4	319	+iP	15 23 34.0	0.3			
			PMZ	m_B=6.2		5.0	1.70	
			PcS	15 29 12.0	−4.7			
			iS	15 29 50.0	−2.8			
			LN	M_S=5.6		16.0	4.20	
TIA	44.8	343	+P	15 23 51.7	−0.7			
			sP	15 24 04.7	−2.2			
			eS	15 30 23.2	−3.2			
			SME	m_B=6.1		9.0	2.94	
XAN	45.9	333	+iP	15 24 00.8	−0.6			
			pP	15 24 10.5	−1.1			
			ScP	15 29 30.0	3.8			
			S	15 30 38.0	−3.4			
			sS	15 30 58.0	−1.7			
			ScS	15 33 51.0	0.4			
			LE	M_S=5.7		14.0	4.22	
CD2	46.0	326	+iP	15 24 01.6	−0.8			
			S	15 30 39.0	−4.1			
DL2	46.2	349	eP	15 24 04.5	0.4			
			esP	15 24 18.0	−0.6			
			eS	15 30 46.0	−1.4			
			SME	m_B=6.3		9.0	3.56	
			sS	15 31 02.0	−2.6			
			SS	15 34 06.0	1.3			
			LE	M_S=5.6		12.0	2.71	
			LZ	M_S=5.5		21.0	6.40	
TIY	47.7	339	+iP	15 24 15.0	−0.4			
			PMZ	m_b=5.9		1.0	0.15	
			pP	15 24 26.5	1.0			
			iS	15 31 03.0	−4.8			
			SME	m_B=6.4		10.0	4.83	
			SS	15 34 33.0	3.7			
			LE	M_S=5.4		17.0	2.41	
			LZ	M_S=5.3		30.0	4.98	
BJI	48.6	344	eP	15 24 22.5	−0.1			
			eS	15 31 16.0	−4.8			
			LN	M_S=5.3		13.0	1.20	
SNY	48.8	352	+iP	15 24 23.1	−0.7			
			iS	15 31 21.0	−2.0			
			SME			16.0	5.44	
			sS	15 31 42.0	1.7			
			LN	M_S=5.9		23.0	8.06	
			LE			28.0	6.67	
			LZ	M_S=5.8		22.0	12.0	
LZH	50.0	330	+iP	15 24 33.5	0.2			
			PMZ	m_b=5.5		2.0	0.13	
			eS	15 31 39.0	−1.2			
			SME			2.0	0.34	
CN2	50.5	354	eP	15 24 37.0	0.1			
			pP	15 24 48.0	0.8			
			eS	15 31 50.0	3.2			
			LN	M_S=5.6		20.0	4.00	
			LZ	M_S=5.5		20.0	4.40	
HHC	50.8	340	−P	15 24 39.0	−0.3			
			pP	15 24 50.0	0.6			
			PP	15 26 34.5	−0.9			
			S	15 31 45.0	−4.8			
			SME	m_B=6.2		10.0	2.87	
			LN	M_S=5.5		14.0	2.21	
MDJ	51.0	358	−iP	15 24 40.6	−0.3			
			pP	15 24 48.6	−2.5			
			sP	15 24 54.4	−0.9			
			S	15 31 56.0	3.2			
			LZ	M_S=5.7		32.0	11.0	
BTO	51.1	339	P	15 24 41.4	−0.3			
			S	15 31 55.0	0.8			
			SMN	m_B=6.2		12.0	2.20	
			SME			9.0	2.50	
			SS	15 35 27.0	−0.3			
			LN	M_S=5.6		15.0	2.10	
			LE			12.0	1.20	
			LZ	M_S=5.3		15.0	2.40	
LSA	53.2	315	+P	15 24 57.8	−0.5			
			S	15 32 23.0	−0.9			
			SMN	m_B=6.5		8.0	1.30	
			SME			5.0	3.03	
GTA	54.5	330	+iP	15 25 07.6	0.0			
			PMZ	m_B=6.1		9.0	2.00	
			S	15 32 38.0	−3.5			
			LE	M_S=5.6		15.0	2.30	
WMQ	64.1	326	+iP	15 26 13.8	0.3			
			S	15 34 46.0	1.2			
			LZ	M_S=5.5		24.0	4.18	
KSH	69.1	317	P	15 26 47.0	2.0			
			pP	15 26 57.0	1.6			
			ePP	15 29 16.0	−3.0			
			S	15 35 50.0	5.2			
			SME	m_B=6.5		8.0	4.10	
			esS	15 36 09.0	5.2			

FEB 6d 16h 15m 54.4 ± 0.17s, SD3.81 / 6
38.86 N ± 0.92km, 76.35 E ± 0.84km, h19 ± 1.09km
Southern Xinjiang Province (321)
M_L3.4 / 3,

KSH	0.7	333	iPg	16 16 07.0	−0.9			
			Sg	16 16 17.0	−0.9			
			SME			2.0	8.50	
WMQ	9.9	56	eP	16 18 20.6	1.8			

		S	16 20 06.2	−3.6			
		SME			1.0	0.010	

FEB 6d 17h 47m 05.1 ± 0.08s, SD1.71 / 20
3.22 S ± 1.03km, 148.90 E ± 1.32km, h10 ± 0.22km
Bismarck Sea (203)

XAN	52.8	318	P	17 56 23.2	−0.4		
GTA	61.9	318	eP	17 57 28.1	0.2		
WMQ	71.9	318	P	17 58 33.2	1.6		

FEB 6d 18h 03m 54.4 ± 0.30s, SD1.74 / 96
17.83 S ± 3.94km, 67.05 W ± 2.72km, h276 ± 2.36km
Bolivia (120)
m_B6.0 / 16,

KSH	141.4	48	PKP	18 22 50.0	−3.8		
			PP	18 26 01.0	−0.8		
			PPMZ	m_B = 6.2		10.0	2.90
			eSKS	18 29 32.0	−1.1		
			SKKS	18 32 25.0	2.4		
WMQ	146.5	34	PKP	18 23 02.0	−0.5		
			pPKP	18 24 14.5	3.7		
			LZ			25.0	2.18
MDJ	149.9	336	ePKP	18 23 09.0	1.2		
			PP	18 26 55.0	3.3		
			SKS	18 29 47.0	1.7		
			SKKS	18 33 13.0	2.5		
			LZ			30.0	3.10
CN2	152.0	340	ePKP	18 23 11.5	0.4		
			pPKP	18 24 22.0	1.9		
SNY	154.4	341	iPKP	18 23 16.6	2.3		
			PP	18 27 12.0	−5.4		
			SS	18 46 26.0	−5.5		
			LN			28.0	2.10
			LZ			26.0	2.14
GTA	155.7	25	PKP	18 23 15.8	−0.3		
			PKP2	18 23 42.5	−2.4		
			pPKP	18 24 26.5	1.5		
			PP	18 27 19.0	−4.9		
			PPMZ	m_B = 5.8		10.0	0.89
			LN			25.0	2.48
			LZ			34.0	1.89
LSA	156.9	55	PKP	18 23 17.8	−0.3		
HHC	157.0	3	−PKP	18 23 19.0	1.0		
			PKP2	18 23 52.0	1.2		
			pPKP	18 24 32.0	5.1		
			PP	18 27 32.0	1.1		
			LN			13.0	1.67
			LE			14.0	1.65
BTO	157.2	6	PKP	18 23 20.0	1.8		
			PKP2	18 23 54.0	2.6		
			PP	18 27 34.0	2.3		
			SKKS	18 33 55.0	3.9		
			SS	18 47 03.0	2.5		
DL2	157.7	342	ePKP	18 23 22.0	3.3		
			epPKP	18 24 28.0	0.2		
			PP	18 27 34.0	−0.9		
			SS	18 47 03.0	−3.2		
			LN			12.0	1.01
			LZ			29.0	1.10
BJI	157.7	353	ePKP	18 23 19.0	0.3		
			PKP2	18 23 53.0	−0.6		
			pPKP	18 24 30.0	2.2		
			eSS	18 47 00.0	−6.3		
LZH	160.1	22	PKP	18 23 25.0	3.3		
			PKP2	18 24 07.5	3.5		
			SKKS	18 34 05.0	−0.8		
			LN			34.0	3.26
			LE			38.0	3.97
TIY	160.2	1	ePKP	18 23 22.0	0.4		
			PKP2	18 24 06.0	1.7		
			pPKP	18 24 34.0	3.2		
			sPKP	18 25 05.0	6.8		
			PP	18 27 47.5	−0.1		
			PPMZ	m_B = 5.9		10.0	1.27
			SS	18 47 26.5	−5.8		
			LE			19.0	2.08
			LZ			26.0	2.54
TIA	161.3	349	ePKP	18 23 22.9	0.2		
			PPMZ	m_B = 5.8		9.0	0.86
			SS	18 47 38.2	−5.6		
			LN			36.0	1.20
XAN	163.5	12	PKP	18 23 25.0	0.1		
			pPKP	18 24 38.0	4.0		
CD2	164.5	31	ePKP	18 23 27.0	1.0		
			PP	18 28 06.0	−5.1		
			SKKS	18 34 32.0	3.5		
SSE	164.8	332	+PKP	18 23 28.0	1.8		
			PKP2	18 24 24.0	−0.5		
			PP	18 28 11.0	−1.6		
			SKKS	18 34 34.0	4.0		
			SS	18 48 15.0	−5.3		
			LN			12.0	1.60
			LZ			17.0	2.32
NJ2	164.9	340	PKP	18 23 29.2	3.0		
			PP	18 28 14.0	1.2		
			LZ			24.0	0.98
WHN	167.3	355	PKP	18 23 28.5	0.4		
			PKP2	18 24 36.0	0.8		
			iPP	18 28 24.0	−1.1		
			LZ			28.0	2.30
KMI	168.0	51	+PKP	18 23 30.5	1.7		
			PKP2	18 24 40.0	1.5		
			pPKP2	18 25 49.0			
			PP	18 28 32.0	3.1		
			PPMZ	m_B = 6.0		8.0	1.50
			SKKS	18 34 49.0	2.9		
GYA	169.6	33	PKP	18 23 31.0	1.3		
			pPKP	18 24 43.0	4.2		
			PP	18 28 38.0	1.2		
			SKKS	18 34 55.0	1.0		
QZH	171.2	324	+PKP	18 23 31.0	0.5		
			pPKP	18 24 42.0	2.1		
			PKP2	18 24 52.0	−0.5		
			pPKP2	18 26 06.0			
			iPP	18 28 46.0	1.5		
			PPMZ	m_B = 6.1		10.0	2.54
			SKKS	18 34 56.0	−5.8		
			iSS	18 49 24.0	1.8		
GZH	174.8	356	ePKP	18 23 31.0	−0.9		
			pPKP	18 24 44.0	2.7		
			PP	18 29 01.0	−1.1		
			PPMZ	m_B = 5.9		6.0	1.20
			SS	18 49 52.0	−4.7		
			LE			52.0	6.50
QZN	176.8	67	ePKP	18 23 33.0	0.5		
			pPKP	18 24 46.0	4.1		
			PKP2	18 25 13.0	−4.4		
			PP	18 29 06.0	−5.2		
			SKKS	18 35 31.0	3.1		

FEB 6d 21h 30m 04.2 ± 0.09s, SD0.90 / 81
16.13 S ± 1.49km, 173.79 W ± 1.35km, h126 ± 0.33km
Tonga (173)
m_B6.0 / 20, m_b5.2 / 3,

QZH	77.5	301	+iP	21 41 48.0	−0.3		
			sP	21 42 34.0	0.9		

			iS	21 51 29.0	1.1			
			SMN	$m_B = 6.2$		6.0	1.47	
			sS	21 52 21.0	−1.0			
			LE			40.0	2.62	
SSE	78.1	307	+P	21 41 52.0	0.5			
			PMZ	$m_B = 5.6$		7.0	0.84	
			pP	21 42 28.0	5.4			
			ePP	21 44 52.0	1.0			
			S	21 51 36.0	3.2			
			ScS	21 51 57.0	1.6			
			sS	21 52 32.0	3.6			
			eSS	21 56 42.0	2.4			
			LZ			20.0	1.40	
MDJ	79.4	323	eP	21 41 58.1	−0.4			
			pP	21 42 30.0	0.4			
			sP	21 42 44.0	0.6			
			S	21 51 50.0	3.7			
			sS	21 52 45.0	2.9			
NJ2	80.3	307	+P	21 42 03.5	0.0			
			S	21 52 00.0	3.9			
			LZ			22.0	0.63	
GZH	81.2	297	−iP	21 42 09.5	1.3			
			sP	21 42 50.0	−3.2			
			S	21 52 10.5	5.2			
CN2	81.4	320	eP	21 42 09.0	−0.3			
			PMZ	$m_B = 5.7$		6.0	0.70	
			pP	21 42 41.5	0.9			
			S	21 52 09.0	1.6			
			SMN	$m_B = 5.9$		8.0	0.80	
DL2	81.4	315	eP	21 42 08.0	−1.4			
			pP	21 42 42.0	1.3			
			eS	21 52 12.0	2.8			
			SMN	$m_B = 6.1$		10.0	1.69	
			sS	21 53 04.0	0.4			
			LZ			44.0	2.67	
SNY	81.6	318	+iP	21 42 10.0	−0.1			
			PMZ	$m_B = 5.6$		10.0	1.03	
			pP	21 42 38.0	−3.4			
			iS	21 52 17.0	6.4			
			SMN			23.0	4.03	
			SME			26.0	1.96	
			sS	21 53 06.0	1.0			
QZN	82.8	292	P	21 42 18.0	1.3			
			eSS	21 57 57.0	6.7			
			LE			18.0	1.50	
WHN	83.2	304	+P	21 42 18.5	0.0			
			pP	21 42 48.0	−1.9			
			sP	21 43 06.0	2.4			
			S	21 52 30.0	4.5			
			SME	$m_B = 6.0$		10.0	1.20	
			LZ			2.2	1.30	
TIA	83.4	310	+P	21 42 19.2	−0.3			
			epP	21 42 50.2	−0.7			
			eS	21 52 27.5	−1.7			
			SMN	$m_B = 6.3$		10.0	1.36	
			SME			10.0	2.57	
			eSS	21 57 55.0	−3.4			
BJI	85.7	314	eP	21 42 31.0	0.0			
			pP	21 43 00.0	−2.5			
			eSKS	21 52 46.0	5.6			
			esS	21 53 50.0	3.3			
TIY	87.4	310	+iP	21 42 39.5	0.0			
			PMZ	$m_B = 6.0$		6.0	0.99	
			pP	21 43 08.0	−3.0			
			esP	21 43 21.0	−3.7			
			PP	21 46 04.0	−3.0			
			PPMZ			8.0	0.77	
			iSKS	21 52 57.5	5.7			
			SMN			18.0	3.63	
			SME			14.0	2.14	
			LN			18.0	1.08	
			LE			21.5	3.00	
			LZ			24.0	1.34	
GYA	88.1	298	P	21 42 43.4	0.9			
			pP	21 43 17.0	3.0			
			S	21 53 18.0	5.6			
			LE			15.0	3.60	
XAN	88.8	306	+P	21 42 46.0	0.3			
			pP	21 43 16.0	−1.4			
			SKS	21 53 05.0	5.0			
HHC	89.2	313	+P	21 42 49.0	0.9			
BTO	90.2	312	P	21 42 53.5	0.7			
			pP	21 43 28.0	3.5			
			PP	21 46 24.0	−5.1			
			SKS	21 53 13.0	3.9			
			S	21 53 37.0	4.6			
			SMN	$m_B = 6.3$		9.0	2.40	
			SME			9.0	1.30	
KMI	91.0	296	+iP	21 42 57.5	1.0			
			pP	21 43 25.0	−3.1			
			SME	$m_B = 5.9$		10.0	1.20	
CD2	91.9	302	eP	21 43 01.3	1.0			
LZH	93.4	306	P	21 43 07.5	0.3			
			LN			20.0	0.80	
GTA	97.3	309	P	21 43 24.9	−0.5			
			SKS	21 53 51.0	2.9			
			SMN			22.0	1.03	
			LN			18.0	0.99	
			LZ			29.0	1.82	
KSH	115.6	306	ePKP	21 48 35.0	2.3			
			PP	21 49 37.0	−3.5			
			PPMZ			0.5	0.80	
			eSKKS	21 56 16.0	−3.6			

FEB 7d 03h 33m 15.5 ± 0.07s, SD1.66 / 24
17.58 S ± 1.44km, 167.86 E ± 1.97km, h13 ± 0.49km
Vanuatu (New Hebrides) (186)

BJI	74.8	321	eP	03 44 54.0	−4.2
TIY	75.7	318	eP	03 45 03.2	−0.3
XAN	76.0	313	P	03 45 04.2	−0.9
KMI	76.3	302	eP	03 45 07.5	0.7
GTA	85.0	314	eP	03 45 52.6	−0.6

FEB 7d 04h 05m 30.9 ± 0.06s, SD0.90 / 50
17.49 S ± 1.11km, 167.99 E ± 1.68km, h26 ± 0.41km
Vanuatu (New Hebrides) (186)
M_S5.4 / 1, m_b5.2 / 1,

NJ2	68.1	316	eP	04 16 31.5	0.0		
WHN	70.3	312	eP	04 16 41.6	−3.3		
DL2	70.9	323	eP	04 16 48.5	−0.1		
MDJ	71.0	332	eP	04 16 50.0	0.7		
GYA	73.9	305	P	04 17 06.2	0.0		
BJI	74.8	321	eP	04 17 12.0	0.3		
TIY	75.7	318	+P	04 17 17.7	0.6		
			LE	$M_S = 5.4$		18.0	1.06
			LZ	$M_S = 4.9$		20.0	0.62
XAN	76.1	313	P	04 17 18.6	−0.2		
KMI	76.3	302	+P	04 17 21.5	0.9		
HHC	78.1	320	eP	04 17 31.0	0.5		
CD2	78.2	308	P	04 17 31.2	0.2		
BTO	78.9	319	eP	04 17 35.2	0.2		
LZH	80.7	312	eP	04 17 45.5	1.1		
			PMZ	$m_b = 5.2$		1.5	0.040
WMQ	95.1	314	P	04 18 54.5	0.3		

FEB 7d 08h 46m 56.6 ± 0.06s, SD0.79 / 97

60.39 N ± 1.22km, 153.36 W ± 0.75km, h143 ± 0.18km
Southern Alaska (2)
m_B6.1 / 51, m_b6.0 / 8,

MDJ	46.6	287	+iP	08 55 12.4	−0.2			
			pP	08 55 48.0	3.6			
			sP	08 56 04.0	3.2			
			PP	08 57 04.0	0.3			
			PcP	08 56 42.0	−2.0			
			S	09 01 46.0	−3.0			
			SS	09 05 10.0	−0.9			
			LZ			40.0	26.7	
CN2	49.2	289	+P	08 55 32.0	−0.5			
			PMZ	m_B = 6.4		6.0	3.60	
			pP	08 56 05.0	0.3			
			sP	08 56 20.5	−0.4			
			PP	08 57 28.0	−0.1			
			S	09 02 24.0	−1.1			
			SMN	m_B = 6.3		9.0	3.70	
SNY	51.6	289	+iP	08 55 51.0	0.3			
			PMZ	m_B = 6.3		8.0	3.89	
			sP	08 56 40.0	0.7			
			PP	08 57 52.0	1.8			
			S	09 03 00.0	2.0			
			SMN	m_B = 6.3		9.0	2.46	
			SME			9.0	2.77	
			ScS	09 05 24.0	1.7			
			LN			20.0	4.81	
			LE			16.0	10.0	
			LZ			18.0	5.21	
DL2	54.8	288	+iP	08 56 14.0	−0.4			
			PMZ	m_B = 6.2		8.0	2.96	
			pP	08 56 52.0	4.9			
			sP	08 57 06.0	2.7			
			S	09 03 42.0	0.6			
			SMN	m_B = 6.2		10.0	2.82	
			SME			10.0	2.27	
			eSS	09 07 26.0	0.0			
			LN			12.0	2.02	
			LE			13.0	3.50	
			LZ			15.0	3.85	
BJI	56.4	293	eP	08 56 25.5	−0.6			
			PMZ	m_B = 6.2		8.0	2.67	
			epP	08 57 00.0	0.9			
			esP	08 57 14.0	−1.1			
			eS	09 04 00.0	−4.3			
HHC	57.8	297	eP	08 56 36.8	0.6			
			pP	08 57 10.0	0.7			
			sP	08 57 26.0	0.8			
			PP	08 58 50.0	3.0			
			S	09 04 24.5	2.7			
			SMN	m_B = 6.4		9.0	4.51	
			SME			11.0	6.50	
			LN			15.0	6.43	
			LE			16.0	7.38	
BTO	58.7	298	+P	08 56 42.0	−0.4			
			PMZ	m_B = 6.1		8.0	2.50	
			PcP	08 57 30.0	0.4			
			PP	08 58 54.5	−0.4			
			PPMZ			10.0	1.10	
			S	09 04 36.5	3.2			
			SMN	m_B = 6.1		12.0	1.90	
			SME			12.0	3.60	
			SS	09 08 36.0	5.6			
			LN			13.0	5.40	
			LE			13.0	3.90	
			LZ			12.0	2.80	
TIA	59.1	289	+P	08 56 43.7	−1.0			
			PMZ	m_B = 5.8		10.0	1.48	
			esP	08 57 32.5	−1.4			
			ePP	08 58 58.5	0.5			
			S	09 04 42.0	4.2			
			SMN	m_B = 5.9		10.0	1.79	
			SME			10.0	1.57	
			LN			13.0	2.03	
			LE			15.0	3.83	
TIY	60.0	294	+iP	08 56 51.0	−0.2			
			PMZ	m_B = 6.2		8.0	2.87	
			pP	08 57 25.5	1.1			
			PcP	08 57 32.0	−2.7			
			sP	08 57 42.0	1.6			
			PP	08 59 10.0	3.6			
			PPMZ			10.0	1.52	
			ScP	09 01 20.5	0.1			
			iS	09 04 55.0	3.8			
			SMN			14.0	3.80	
			SME			18.0	5.70	
			ScS	09 06 25.0	2.2			
			LN			14.0	8.91	
SSE	61.3	283	+P	08 57 00.0	0.0			
			PMZ	m_B = 6.3		8.0	3.50	
			pP	08 57 36.0	2.6			
			PP	08 59 18.0	−0.1			
			S	09 05 11.0	4.6			
			SMN	m_B = 6.1		10.0	3.30	
			SME			10.0	1.22	
			sS	09 06 08.0	2.1			
			SS	09 09 16.0	5.3			
			LN			16.0	3.54	
			LE			13.0	2.51	
			LZ			20.0	3.80	
NJ2	61.7	285	+P	08 57 01.8	−0.4			
			PP	08 59 24.0	2.8			
			S	09 05 07.5	−3.2			
			LN			14.0	2.70	
			LE			14.0	4.10	
			LZ			18.0	2.51	
GTA	64.1	304	+iP	08 57 18.0	−0.2			
			PMZ	m_B = 6.1		9.0	2.37	
			PP	08 59 43.0	1.4			
			PPMZ			9.0	0.85	
			S	09 05 40.0	−0.6			
			SS	09 09 50.0	−3.3			
			SME	m_B = 6.0		12.0	3.16	
			LE			42.0	27.2	
XAN	64.6	294	+P	08 57 20.8	−1.1			
			PcP	08 57 50.0	−3.5			
			pP	08 57 56.0	0.4			
			PP	08 59 42.0	−4.9			
			S	09 05 52.0	4.2			
WMQ	64.9	316	+iP	08 57 24.3	1.0			
			PMZ	m_B = 6.1		11.0	3.44	
			pP	08 57 59.0	2.1			
			PP	08 59 51.0	2.2			
			PPMZ			11.0	1.56	
			S	09 05 57.0	6.6			
			ScS	09 07 04.0	4.7			
			LZ			16.0	4.93	
WHN	65.1	288	+P	08 57 24.0	−0.5			
			PMZ	m_B = 6.1		10.0	2.86	
			sP	08 58 18.0	4.0			
			PP	08 59 54.0	3.2			
			S	09 05 55.0	2.2			
			SMN	m_B = 5.8		10.0	1.90	
			LE			15.0	5.40	
			LZ			20.0	4.50	
LZH	65.2	300	+iP	08 57 25.5	0.0			

			PMZ			14.0	2.63
			sP	08 58 12.0	−2.8		
			PP	08 59 55.0	3.1		
			eS	09 05 55.0	−0.9		
			LN			10.0	3.43
			LE			13.0	4.09
QZH	67.7	281	+P	08 57 41.0	−0.3		
			PMZ	$m_B = 5.9$		12.0	2.29
			PP	09 00 13.5	−0.2		
			PPMZ			8.0	1.42
			iS	09 06 26.0	−0.1		
			SMN			13.0	3.32
			sS	09 07 19.0	−6.4		
			LE			18.0	3.51
CD2	69.6	297	eP	08 57 52.0	−1.0		
			PMZ	$m_b = 6.3$		1.2	0.60
			sP	08 58 43.0	0.2		
			S	09 06 48.0	0.8		
GZH	71.8	285	+P	08 58 06.0	−0.2		
			sP	08 58 56.0	−0.2		
			PP	09 00 51.0	2.4		
			LN			44.0	7.54
			LE			44.0	5.00
GYA	72.1	292	+P	08 58 08.0	0.0		
			pP	08 58 41.4	−0.7		
			PP	09 00 54.0	3.1		
			S	09 07 17.0	1.2		
			sS	09 08 16.0	−1.1		
KSH	72.6	322	+iP	08 58 11.5	0.6		
			PMZ	$m_B = 6.0$		7.0	1.80
			pP	08 58 44.5	−0.5		
			sP	08 59 03.0	2.3		
			PP	09 00 56.0	0.6		
			S	09 07 23.0	1.8		
			SME	$m_B = 6.2$		11.0	4.10
			esS	09 08 22.0	−0.6		
			LE			11.0	6.20
KMI	75.0	294	+iP	08 58 25.0	−0.2		
			PMZ	$m_B = 5.9$		8.0	2.00
			sP	08 59 15.0	−0.1		
			iS	09 07 50.0	−0.6		
			SMN	$m_B = 6.1$		10.0	1.70
			SME			10.0	1.80
			ScS	09 08 24.0	4.5		
			sS	09 08 50.0	−0.3		
LSA	76.0	306	+iP	08 58 31.4	0.5		
			PP	09 01 25.0	1.3		
			S	09 08 03.0	3.7		
			LN			11.0	1.12
			LE			11.0	3.11
QZN	77.0	285	P	08 58 36.0	0.2		
			PP	09 01 28.0	−3.2		
			eS	09 08 15.0	3.8		
			SKS	09 08 34.0	5.6		
			SS	09 13 09.0	−3.0		
			LN			16.0	2.00
			LE			18.0	2.20

FEB 7d 11h 13m 17.5 ± 0.12s, SD1.76 / 22
22.94 S ± 2.62km, 69.22 E ± 1.90km, h10 ± 0.23km
Mid-Indian Rise (429)

KMI	57.8	36	eP	11 23 13.0	0.9
XAN	68.1	35	eP	11 24 20.0	−0.4
GTA	68.3	25	eP	11 24 21.0	−0.8
WMQ	68.6	14	eP	11 24 22.4	−0.9
WHN	68.6	41	eP	11 24 21.0	−2.3
TIY	72.7	35	−P	11 24 48.7	0.1

FEB 7d 16h 24m 26.0 ± 0.12s, SD2.80 / 10
38.31 N ± 1.30km, 89.04 E ± 0.90km, h9 ± 0.04km
Southern Xinjiang Province (321)
M_L4.0 / 8,

WMQ	5.6	350	ePn	16 25 52.2	2.5		
			Sg	16 27 23.2	2.1		
			SMN	$M_L = 4.0$		0.8	0.12
			SME			0.8	0.15
GTA	8.5	79	P	16 26 32.3	0.0		
			S	16 28 11.6	3.0		
			SMN	$M_L = 3.6$		1.0	0.020
			SME			1.0	0.010

FEB 7d 16h 43m 05.7 ± 0.09s, SD1.51 / 16
2.67 N ± 1.29km, 129.04 E ± 1.57km, h35 ± 0.41km
Djailolo Gilolo (Halmahera) (267)

XAN	36.4	331	−P	16 50 09.7	0.3
CD2	36.9	322	eP	16 50 13.2	0.1
TIY	38.1	338	eP	16 50 24.2	1.1
BJI	39.0	344	eP	16 50 30.0	−0.7
LZH	40.6	328	eP	16 50 45.5	1.2
GTA	45.2	328	+P	16 51 22.1	0.3
WMQ	54.9	324	P	16 52 35.7	−0.2

FEB 7d 18h 15m 04.5 ± 0.06s, SD0.90 / 99
50.90 N ± 1.41km, 173.36 E ± 1.01km, h31 ± 0.16km
Aleutian Islands region (16)
M_S6.4 / 48, m_B6.4 / 41, m_b6.1 / 7,

MDJ	29.7	275	−P	18 21 09.7	−0.8		
			PMZ	$m_B = 6.5$		10.0	8.00
			PP	18 22 06.0	−1.1		
			iS	18 26 03.0	−0.6		
			LZ	$M_S = 6.1$		18.0	37.5
CN2	32.7	276	−iP	18 21 37.0	0.0		
			PMZ	$m_B = 6.1$		6.0	2.10
			pP	18 21 46.0	0.2		
			PP	18 22 47.0	0.7		
			PPMZ			9.0	7.20
			S	18 26 49.0	−0.9		
			SME			18.0	8.60
			SS	18 28 50.0	1.4		
			LN	$M_S = 6.3$		17.0	36.3
			LZ	$M_S = 5.9$		18.0	22.8
SNY	34.9	275	−iP	18 21 56.0	0.1		
			PMZ	$m_B = 6.4$		10.0	5.91
			PP	18 23 12.0	−1.8		
			S	18 27 25.0	1.1		
			SME			24.0	12.6
			ScS	18 32 17.3	5.5		
			LN	$M_S = 6.5$		16.0	39.5
			LE			16.0	26.6
			LZ	$M_S = 6.1$		14.0	25.4
DL2	37.8	272	−iP	18 22 20.0	−0.1		
			PMZ	$m_B = 6.3$		8.0	4.52
			esP	18 22 34.0	1.0		
			PcP	18 24 38.0	1.6		
			S	18 28 10.0	2.0		
			SME			20.0	7.83
			esS	18 28 26.0	2.2		
			SS	18 30 48.0	3.6		
			LN	$M_S = 6.3$		13.0	17.1
			LE			13.0	11.6
			LZ	$M_S = 5.8$		17.0	11.8
BJI	40.6	277	eP	18 22 43.5	0.2		
			PMZ	$m_B = 6.4$		8.0	4.81
			ePP	18 24 24.5	4.2		
			ePcS	18 28 36.0	1.5		
			eS	18 28 46.0	−4.9		

			LN		$M_S=6.3$		16.0	22.1
TIA	42.3	272	−P	18 22 57.5		0.2		
			PMZ		$m_B=6.3$		8.0	3.90
			esP	18 23 11.0		0.9		
			S	18 29 11.0		−4.0		
			SMN		$m_B=6.2$		9.0	1.85
			SME				15.0	4.90
			LN		$M_S=6.2$		15.0	11.5
			LE				15.0	7.12
			LZ		$M_S=5.7$		15.0	6.82
HHC	43.0	281	+iP	18 23 04.0		0.7		
			pP	18 23 14.0		1.7		
			sP	18 23 18.0		1.9		
			PP	18 24 46.0		0.6		
			PcS	18 28 49.0		4.8		
			S	18 29 24.0		−1.5		
			SME		$m_B=6.0$		10.0	2.32
			sS	18 29 40.5		−0.9		
			LN		$M_S=6.5$		13.0	19.9
			LE				15.0	18.8
SSE	43.0	263	+P	18 23 04.0		0.6		
			PMZ		$m_B=6.5$		8.0	6.73
			sP	18 23 18.0		1.7		
			PP	18 24 46.0		0.2		
			S	18 29 28.0		2.0		
			sS	18 29 41.0		−0.9		
			eSS	18 32 34.0		1.0		
			ScS	18 33 00.0		1.5		
			LN		$M_S=6.4$		16.0	22.6
			LE				16.0	12.8
			LZ		$M_S=5.9$		16.0	13.7
NJ2	43.9	266	−P	18 23 10.0		−0.1		
			S	18 29 43.0		4.9		
			LN		$M_S=6.3$		16.0	11.0
			LE				13.0	12.3
			LZ		$M_S=5.8$		15.0	8.56
BTO	44.1	282	−iP	18 23 13.5		1.3		
			PMZ		$m_B=6.7$		5.0	6.10
			pP	18 23 24.0		2.8		
			PP	18 24 58.0		1.6		
			S	18 29 45.5		3.9		
			sS	18 30 02.0		4.5		
			SS	18 32 55.0		2.9		
			LN		$M_S=6.4$		14.0	17.1
			LE				14.0	9.10
			LZ		$M_S=5.6$		13.0	4.40
TIY	44.3	277	−iP	18 23 15.0		1.1		
			PMZ		$m_B=6.5$		10.0	6.73
			sP	18 23 29.0		2.3		
			PP	18 25 05.0		6.5		
			PPMZ				5.0	9.80
			SME				23.0	13.9
			LN		$M_S=6.3$		14.0	14.4
			LE				14.0	7.82
			LZ		$M_S=5.9$		21.0	16.3
WHN	47.7	268	−iP	18 23 40.6		−0.2		
			PMZ		$m_B=6.3$		10.0	4.70
			sP	18 23 54.0		0.3		
			iS	18 30 36.0		1.7		
			SMN		$m_B=6.3$		6.0	2.60
			LE		$M_S=6.2$		16.0	14.1
			LZ		$M_S=6.1$		16.0	16.8
XAN	48.8	276	−P	18 23 48.9		−0.6		
			PMZ		$m_B=6.4$		8.0	4.33
			pP	18 23 58.0		−0.5		
			sP	18 24 02.5		0.2		
			PP	18 25 46.0		3.9		
			S	18 30 50.0		1.0		
			LE		$M_S=6.3$		14.0	14.3
QZH	49.0	259	P	18 23 51.0		0.4		
			PP	18 25 45.0		1.4		
			PPMZ				8.0	4.58
			S	18 30 52.5		1.5		
			SMN				22.0	11.6
			SME				22.0	22.7
			SS	18 34 19.0		1.4		
LZH	50.7	281	−iP	18 24 05.0		1.1		
			PMZ		$m_b=6.8$		1.5	2.15
			sP	18 24 17.0		0.4		
			PP	18 26 03.0		3.1		
			LN		$M_S=6.7$		20.0	32.0
			LE				20.0	27.1
GTA	51.1	287	−iP	18 24 06.7		0.0		
			PP	18 26 02.0		−1.2		
			S	18 31 23.0		3.2		
			SME		$m_B=6.3$		7.0	2.93
			LN		$M_S=6.8$		16.0	46.8
GZH	53.6	262	−P	18 24 25.8		0.3		
			PMZ		$m_B=6.3$		10.0	3.90
			SMN				24.0	6.60
			SME				26.0	11.8
			LN		$M_S=6.2$		20.0	8.80
			LE				24.0	14.0
CD2	54.2	276	eP	18 24 28.8		−1.0		
			PP	18 26 33.3		1.2		
			S	18 32 07.0		4.8		
			LE		$M_S=6.5$		15.0	19.8
			LZ		$M_S=5.9$		15.0	8.70
WMQ	55.3	299	−iP	18 24 38.5		0.2		
			PMZ		$m_B=6.6$		9.0	7.05
			PP	18 26 48.0		5.3		
			PPMZ				8.0	3.20
			LN		$M_S=6.8$		11.0	16.7
			LE				13.0	30.3
GYA	55.4	270	P	18 24 38.0		−0.9		
			pP	18 24 47.0		−0.9		
			S	18 32 25.0		6.1		
			LN		$M_S=6.2$		20.0	12.0
			LE				20.0	7.40
QZN	58.8	262	P	18 25 03.5		0.7		
			PMZ		$m_B=6.5$		8.0	5.50
			PcS	18 29 52.0		0.5		
			LN		$M_S=6.3$		17.0	8.70
			LE				18.0	7.70
KMI	58.8	272	−P	18 25 02.5		−0.8		
			PMZ		$m_B=6.4$		7.0	3.80
			pP	18 25 13.5		1.2		
			sP	18 25 16.0		−0.1		
			iS	18 33 10.0		4.2		
			SS	18 37 06.0		6.6		
			LN		$M_S=6.4$		15.0	13.0
			LZ		$M_S=6.0$		18.0	10.7
LSA	62.9	284	−P	18 25 30.0		−0.8		
			pP	18 25 40.0		0.4		
			PP	18 27 50.0		0.6		
			S	18 34 02.0		6.8		
			SMN		$m_B=6.0$		12.0	1.19
			SME				11.0	2.08
			LN		$M_S=6.5$		14.0	5.11
			LE				11.0	11.6
KSH	64.7	302	−iP	18 25 43.0		0.4		
			PMZ		$m_B=6.8$		5.0	5.70
			pP	18 25 53.0		1.2		
			PP	18 28 08.5		2.4		
			S	18 34 21.0		2.7		
			SMN		$m_B=6.4$		7.0	3.20

			esS	18 34 38.0	3.1			
			LE	$M_S = 6.6$		14.0	19.2	

FEB 8d 11h 44m 16.8 ± 0.08s, SD1.78 / 11
38.04 N ± 0.80km, 106.25 E ± 0.67km, h9 ± 0.12km
Northern China (323)
M_L3.2 / 9,

LZH	2.7	225	Pg	11 45 07.5	2.0			
			Sg	11 45 40.0	−2.7			
			SMN	$M_L = 3.2$		1.0	0.090	
			SME			1.0	0.12	
BTO	3.9	48	Pn	11 45 16.0	−1.1			
			Pg	11 45 26.8	1.5			
			Sg	11 46 14.6	−3.8			
XAN	4.5	151	Pg	11 45 37.0	−0.2			
			Sg	11 46 33.0	−6.1			
			SMN	$M_L = 2.9$		0.8	0.020	
			SME			1.0	0.020	
TIY	4.9	92	Pg	11 45 43.2	−0.4			
			SMN	$M_L = 3.6$		0.5	0.10	
			SME			0.5	0.060	
HHC	5.0	54	Pg	11 45 45.8	0.9			
			Sg	11 46 48.0	−4.8			
			SMN	$M_L = 3.4$		0.6	0.030	
			SME			0.4	0.060	
GTA	5.2	287	ePn	11 45 37.0	1.4			
			Pg	11 45 53.6	4.7			
			Sg	11 46 58.4	−1.9			
			SMN	$M_L = 3.2$		0.8	0.020	
			SME			0.6	0.030	

FEB 8d 13h 51m 33.1 ± 0.13s, SD1.45 / 46
17.78 N ± 1.66km, 100.89 W ± 2.83km, h53 ± 1.21km
Near coast of Guerrero, Mexico (58)
M_S6.1 / 6,

MDJ	102.7	326	P	14 05 26.0	−1.0			
			PP	14 09 38.0	−4.5			
			S	14 17 04.0	1.4			
			SS	14 24 17.0	0.8			
			LZ	$M_S = 6.2$		16.0	5.80	
TIY	116.5	331	ePKP	14 10 11.5	−0.4			
			PP	14 11 24.0	0.9			
			LE	$M_S = 6.2$		21.0	3.65	
			LZ	$M_S = 6.1$		22.0	4.66	
SSE	116.8	320	ePKP	14 10 11.0	−1.3			
			ePP	14 11 24.0	−1.0			
			eSS	14 27 30.0	6.2			
			LN	$M_S = 6.0$		15.0	1.36	
			LE			15.0	1.36	
			LZ	$M_S = 5.9$		17.0	2.66	
NJ2	117.5	322	−PKP	14 10 14.4	0.6			
			LZ	$M_S = 5.5$		20.0	1.28	
WMQ	118.2	353	PKP	14 10 15.2	−0.1			
			PP	14 11 29.2	−5.7			
			LZ	$M_S = 6.1$		24.0	5.72	
GTA	119.9	342	−PKP	14 10 19.2	0.6			
			ePP	14 11 44.0	−1.8			
			LN	$M_S = 6.2$		18.0	2.97	
			LZ	$M_S = 5.9$		18.0	2.73	
XAN	121.2	331	PKP	14 10 20.6	−0.3			
WHN	121.2	324	ePKP	14 10 22.0	1.1			
			LZ	$M_S = 6.0$		18.0	3.10	
LZH	121.5	337	ePKP	14 10 23.0	1.2			
CD2	126.1	334	ePKP	14 10 31.5	1.1			
GYA	128.5	328	PKP	14 10 35.8	0.6			
KMI	131.5	331	PKP	14 10 43.0	1.9			
			ePP	14 13 05.0	1.3			
			LZ	$M_S = 5.8$		20.0	1.80	

FEB 8d 15h 57m 01.1 ± 0.26s, SD2.04 / 66
24.78 S ± 2.99km, 70.43 W ± 3.90km, h33 ± 1.67km
Near coast of Northern Chile (122)
M_S5.8 / 7, m_B5.8 / 3,

KSH	148.2	54	PKP	16 16 44.0	2.5			
			eSKKS	16 27 06.0	6.3			
WMQ	153.9	38	ePKP	16 16 49.8	−0.3			
			PKP2	16 17 13.0	0.6			
			PP	16 20 52.5	3.9			
			LZ	$M_S = 5.8$		18.0	1.15	
CN2	157.0	330	ePKP	16 16 51.0	−3.1			
SNY	159.4	329	+PKP	16 16 57.0	0.0			
			PP	16 21 13.0	−5.0			
			LE	$M_S = 5.7$		20.0	0.95	
			LZ	$M_S = 5.7$		20.0	1.09	
DL2	162.6	327	ePKP	16 17 00.0	−0.3			
			PP	16 21 34.0	−0.9			
			eSS	16 41 52.0	0.1			
			LZ	$M_S = 5.6$		20.0	0.90	
GTA	163.3	27	+PKP	16 17 01.0	−0.1			
			pPKP	16 17 11.0	0.4			
			PKP2	16 17 52.5	0.0			
			PP	16 21 34.0	−4.4			
			PPMZ	$m_B = 5.7$		7.0	0.54	
			eSKKS	16 28 19.0	−2.1			
			LN	$M_S = 5.9$		20.0	1.45	
			LZ	$M_S = 5.7$		28.0	1.56	
BJI	163.8	342	ePKP	16 17 00.0	−1.5			
			ePP	16 21 37.0	−4.9			
HHC	163.9	355	ePKP	16 17 02.8	1.0			
			PKP2	16 17 54.0	−1.3			
			PP	16 21 39.0	−3.4			
			LN	$M_S = 6.0$		18.0	1.70	
BTO	164.2	359	PKP	16 17 02.0	−0.1			
TIY	166.9	350	PKP	16 17 04.5	0.2			
			pPKP	16 17 14.0	0.1			
			PKP2	16 18 09.0	0.7			
			pPKP2	16 18 17.5				
			PP	16 21 54.0	−3.4			
			LN	$M_S = 6.0$		22.0	1.97	
			LZ	$M_S = 5.9$		24.0	1.89	
TIA	166.9	332	ePKP	16 17 03.4	−0.9			
LZH	167.7	22	ePKP	16 17 05.0	0.0			
SSE	168.0	304	ePKP	16 17 04.0	−0.9			
			sPKP	16 17 12.0	−6.2			
			ePKP2	16 18 18.0	5.0			
			LZ	$M_S = 5.7$		24.0	1.20	
XAN	170.8	3	ePKP	16 17 06.5	−0.2			
			PKP2	16 18 32.0	6.6			
CD2	172.0	39	PKP	16 17 06.5	−0.9			
			PKP2	16 18 31.5	0.5			
			PP	16 22 18.6	−4.5			
			eSKKS	16 29 05.0	0.1			
WHN	172.9	325	ePKP	16 17 05.5	−2.3			
			PP	16 22 32.0	4.7			
			LZ	$M_S = 6.0$		22.0	2.70	
KMI	173.8	85	PKP	16 17 08.5	0.2			
			pPKP	16 17 18.5	0.8			
			PKP2	16 18 39.0	0.1			
			pPKP2	16 18 49.5				
			PP	16 22 32.0	0.0			
			PPMZ	$m_B = 5.8$		9.0	0.90	
			LZ	$M_S = 5.8$		24.0	2.00	
GYA	176.9	57	PKP	16 17 09.0	−0.1			
			pPKP	16 17 19.0	0.4			
			PKP2	16 18 53.0	0.4			
			PP	16 22 41.0	−5.5			

FEB 8d 17h 49m 20.9 ± 0.09s, SD2.45 / 26
43.83 N ± 1.25km, 84.00 E ± 0.97km, h11 ± 0.10km
Northern Xinjiang Province (332)
M_L4.4 / 5,

WMQ	2.7	89	ePn	17 50 06.6	2.1		
			Pg	17 50 08.5	0.3		
			Sg	17 50 42.5	−2.4		
KSH	7.4	237	ePn	17 51 15.0	5.3		
			eSn	17 52 40.0	3.8		
GTA	12.6	105	+P	17 52 22.6	−1.1		
			SMN			0.9	0.030
			SME			1.0	0.030
HHC	20.6	89	eP	17 54 04.0	1.4		
TIY	22.3	96	eP	17 54 22.5	2.1		
BJI	24.1	88	eP	17 54 41.0	2.8		

FEB 8d 18h 54m 43.4 ± 0.06s, SD1.08 / 67
6.11 S ± 1.53km, 103.78 E ± 1.50km, h53 ± 0.62km
South-west of Sumatera (273)
M_S4.9 / 4, m_b5.7 / 4,

KMI	31.1	358	−P	19 01 00.0	0.7		
			eS	19 06 01.0	1.6		
			LZ	M_S = 4.7		20.0	1.80
CD2	36.8	360	P	19 01 48.2	−0.4		
WHN	37.8	15	P	19 01 58.0	1.0		
XAN	40.2	7	P	19 02 16.0	−1.0		
SSE	40.6	23	+P	19 02 21.2	1.4		
			PMZ	m_b = 5.6		1.5	0.16
			pP	19 02 34.3	1.5		
			eS	19 08 28.0	3.1		
			LZ	M_S = 4.7		18.0	1.08
LZH	42.0	0	eP	19 02 32.5	0.9		
			PMZ	m_b = 5.4		2.5	0.14
TIA	43.9	16	eP	19 02 46.0	−1.3		
TIY	44.3	10	+P	19 02 51.0	0.3		
			S	19 09 15.0	−4.3		
			LN	M_S = 4.9		20.0	0.87
			LZ	M_S = 4.9		21.0	1.52
GTA	45.4	356	+iP	19 02 59.6	0.0		
			LN	M_S = 4.8		13.0	0.42
BTO	46.8	7	P	19 03 11.0	0.5		
			eS	19 09 56.0	−0.1		
			LN	M_S = 5.3		20.0	1.90
			LE			16.0	0.40
			LZ	M_S = 5.0		20.0	1.70
HHC	47.3	8	eP	19 03 15.0	1.0		
BJI	47.3	13	eP	19 03 14.0	−0.2		
DL2	47.8	19	eP	19 03 18.0	0.4		
			LZ	M_S = 4.8		16.0	0.88
SNY	51.0	19	eP	19 03 41.0	−1.8		
WMQ	51.8	345	P	19 03 48.0	−0.5		
			pP	19 04 02.0	0.3		
			S	19 11 08.5	4.7		
KSH	52.2	333	P	19 03 51.5	−0.2		
			pP	19 04 06.0	1.2		
			eS	19 11 10.0	−0.9		
CN2	53.4	19	+P	19 04 00.0	−0.6		
MDJ	55.6	22	eP	19 04 17.0	0.5		

FEB 9d 02h 22m 31.0 ± 0.07s, SD1.46 / 38
18.60 N ± 1.28km, 62.92 W ± 1.56km, h49 ± 0.36km
Leeward Islands (92)

BJI	121.7	1	ePKP	02 41 22.0	1.7		
TIY	123.8	4	PKP	02 41 26.6	2.0		
			LZ	M_S = 5.3		26.0	0.85
XAN	127.1	8	−PKP	02 41 32.5	1.6		
GYA	134.1	13	PKP	02 41 46.2	1.8		

FEB 9d 12h 48m 39.0 ± 0.12s, SD2.17 / 16
14.89 S ± 2.32km, 172.13 W ± 2.16km, h27 ± 0.81km
Samoa region (169)

CN2	81.5	320	eP	13 00 56.0	−0.3
BJI	86.0	313	eP	13 01 19.0	−0.2
TIY	87.9	310	+P	13 01 28.4	0.1
GYA	88.9	298	P	13 01 38.0	4.8

FEB 9d 20h 27m 09.1 ± 0.11s, SD1.00 / 27
52.85 N ± 1.89km, 160.44 E ± 1.35km, h33 ± 0.10km
Off east coast of Kamchatka (219)

CN2	24.7	263	+P	20 32 28.6	−0.6		
GTA	42.8	277	eP	20 35 06.8	0.4		
WMQ	47.2	290	eP	20 35 41.5	0.0		
GYA	47.7	258	P	20 35 45.6	0.9		

FEB 9d 23h 26m 40.9 ± 0.26s, SD1.49 / 45
12.19 N ± 1.99km, 144.18 E ± 1.62km, h30 ± 1.45km
South of the Marianas (210)
m_b5.0 / 1,

WHN	33.1	308	P	23 33 18.0	1.5		
			eS	23 38 36.0	3.3		
			LZ	M_S = 4.5		20.0	0.90
BJI	37.1	323	eP	23 33 50.0	−1.1		
GYA	38.0	297	P	23 33 59.2	0.9		
TIY	38.1	317	eP	23 33 57.8	−1.3		
			LZ	M_S = 4.4		20.0	0.62
XAN	38.8	310	P	23 34 03.7	−1.0		
HHC	40.4	321	eP	23 34 20.0	1.5		
KMI	41.1	294	eP	23 34 27.5	2.8		
			eS	23 40 39.0	2.7		
BTO	41.2	320	eP	23 34 26.0	0.7		
CD2	41.7	303	P	23 34 28.8	0.0		
LZH	43.4	310	eP	23 34 43.5	0.5		
			PMZ	m_b = 5.0		1.5	0.040
GTA	47.6	313	P	23 35 15.4	−1.2		
WMQ	57.6	314	P	23 36 30.5	−0.6		
KSH	65.6	308	eP	23 37 29.0	4.2		

FEB 9d 23h 56m 34.3 ± 0.07s, SD1.05 / 33
14.56 N ± 1.44km, 53.38 E ± 0.98km, h10 ± 0.07km
Eastern Gulf of Aden (415)
M_S4.8 / 1,

GYA	51.0	68	P	24 05 37.6	−1.3		
BTO	55.4	51	eP	24 06 11.0	−1.0		
HHC	56.6	51	eP	24 06 21.0	0.3		
TIY	56.8	54	eP	24 06 21.0	−1.1		
			LN	M_S = 4.8		9.0	0.23
			LZ	M_S = 4.7		20.0	0.62
BJI	60.0	52	eP	24 06 43.0	−1.1		
TIA	60.4	56	eP	24 06 46.1	−1.0		
CN2	67.2	48	+P	24 07 31.0	−0.2		

FEB 10d 01h 51m 47.3 ± 0.06s, SD2.33 / 7
36.99 N ± 0.56km, 114.72 E ± 0.59km, h16 ± 0.14km
Eastern China (664)
M_L3.1 / 10,

TIY	2.0	292	Pg	01 52 20.4	−1.8		
			Sg	01 52 44.4	−4.5		
			SMN	M_L = 3.0		0.6	0.12
			SME			0.5	0.15
TIA	2.1	111	ePn	01 52 20.8	−1.3		
			ePg	01 52 25.0	0.8		
			Sn	01 52 46.5	−3.0		
			Sg	01 52 51.5	−1.2		
			SMN	M_L = 3.1		0.4	0.16
			SME			0.4	0.16

		SMZ	M_L=3.1		0.4	0.10

FEB 10d 07h 09m 41.6±0.07s, SD1.14/71
0.52 N±1.47km, 98.63 E±1.52km, h64±1.18km
Northern Sumatera (706)
m_b5.4/2,

QZN	21.4	30	eP	07 14 29.0	2.5		
KMI	24.8	9	−P	07 15 00.0	0.6		
			pP	07 15 11.5	−2.0		
			eS	07 19 18.0	3.5		
			LZ	M_S=4.3		20.0	0.90
GYA	26.9	16	P	07 15 18.8	−0.5		
CD2	30.6	9	P	07 15 51.6	−0.7		
WHN	33.4	25	−P	07 16 17.6	1.2		
XAN	34.7	15	P	07 16 26.1	−1.8		
LZH	35.7	7	eP	07 16 36.0	−0.6		
			PMZ	m_b=5.1		2.0	0.070
NJ2	36.7	29	−P	07 16 45.6	0.7		
			pP	07 17 00.4	0.5		
GTA	38.7	1	+iP	07 17 01.5	−0.2		
			PcP	07 19 13.3	1.4		
TIY	39.1	17	+iP	07 17 05.4	0.3		
			LZ	M_S=4.5		30.0	1.09
TIA	39.4	24	+P	07 17 07.3	−0.3		
BTO	41.2	13	eP	07 17 23.0	0.7		
HHC	41.8	15	eP	07 17 29.0	1.6		
BJI	42.5	20	+P	07 17 33.5	1.1		
DL2	43.6	26	eP	07 17 42.2	0.3		
			epP	07 17 56.0	−1.2		
WMQ	44.2	349	+P	07 17 47.0	0.4		
SNY	46.9	26	−P	07 18 07.2	−0.6		
CN2	49.3	26	eP	07 18 25.4	−1.1		
MDJ	51.8	28	eP	07 18 45.0	−0.5		

FEB 11d 02h 56m 10.2±0.22s, SD3.13/28
35.44 S±5.42km, 102.04 W±4.38km, h5±0.99km
Southern Pacific Ocean (692)

MDJ	140.0	299	ePKP	03 15 44.5	3.5
TIA	148.4	283	ePKP	03 15 58.0	2.7
WHN	149.2	271	ePKP	03 16 01.0	4.4
BJI	149.6	290	ePKP	03 15 57.5	0.3
GTA	162.2	289	ePKP	03 16 20.1	6.4

FEB 11d 11h 29m 48.5±0.25s, SD3.50/10
39.73 N±1.93km, 74.71 E±0.30km, h30±2.93km
Southern Xinjiang Province (321)
M_L4.1/5,

KSH	1.0	102	Pg	11 30 04.0	−2.4		
			Sg	11 30 17.5	−2.4		
			SMN	M_L=4.2		0.8	5.90
WMQ	10.5	63	eP	11 32 20.1	−0.7		
GTA	19.3	83	eP	11 34 14.8	0.0		

FEB 11d 15h 32m 26.1±0.18s, SD1.23/27
52.85 N±2.61km, 160.30 E±2.47km, h32±0.16km
Off east coast of Kamchatka (219)
M_S4.5/2,

MDJ	21.7	260	eP	15 37 15.0	−1.8		
CN2	24.7	263	+P	15 37 45.9	0.3		
			pP	15 37 54.0	−0.3		
TIY	36.2	265	eP	15 39 28.6	0.3		
			LZ	M_S=4.5		20.0	0.75
NJ2	36.3	252	+P	15 39 29.0	0.0		
GTA	42.8	277	P	15 40 23.2	0.4		
			LN	M_S=4.7		16.0	0.48
WMQ	47.2	290	P	15 40 58.3	0.3		
GYA	47.6	258	P	15 41 00.4	−0.8		
KSH	56.6	293	eP	15 42 12.0	2.8		

FEB 11d 23h 41m 00.4±0.15s, SD2.99/21
6.82 S±1.92km, 149.58 E±2.46km, h20±0.43km
New Britain region (192)

XAN	56.0	319	−P	23 50 40.4	0.0
LZH	60.5	318	eP	23 51 17.5	5.1
GTA	65.0	319	eP	23 51 38.7	−3.6

FEB 12d 01h 20m 17.6±0.17s, SD1.34/50
46.47 N±1.02km, 143.00 E±1.54km, h336±1.22km
Hokkaido region (224)

MDJ	9.6	264	eP	01 22 33.5	1.8		
CN2	12.7	264	−P	01 23 07.6	−1.4		
			S	01 25 22.0	−2.5		
SNY	14.7	259	−iP	01 23 31.3	−0.8		
DL2	17.4	252	eP	01 24 00.0	−0.9		
BJI	20.5	261	eP	01 24 31.0	−0.8		
TIA	21.9	251	+P	01 24 45.0	0.0		
HHC	23.3	267	+P	01 24 59.3	0.6		
TIY	24.2	260	−P	01 25 07.0	0.4		
WHN	27.3	244	eP	01 25 35.0	0.5		
GTA	32.1	273	−iP	01 26 16.8	0.4		
GYA	35.0	248	P	01 26 40.0	−1.0		

FEB 12d 01h 41m 15.1±0.11s, SD1.55/38
30.54 N±1.38km, 82.88 E±1.19km, h32±0.07km
Tibet (306)
M_S4.5/4,

LSA	7.2	95	P	01 43 01.7	0.2		
KSH	10.6	329	eP	01 43 48.0	−0.3		
			LE	M_S=4.7		8.0	2.40
WMQ	13.8	15	eP	01 44 30.0	−0.9		
GTA	16.4	53	P	01 45 03.3	−1.9		
			LN	M_S=4.1		13.0	0.47
CD2	18.0	83	eP	01 45 24.4	0.2		
KMI	18.4	102	+P	01 45 29.5	0.1		
			S	01 48 51.0	1.6		
GYA	21.3	95	P	01 46 00.6	−0.8		
XAN	22.3	74	P	01 46 09.6	−1.6		
BTO	24.2	58	eP	01 46 31.0	1.2		
TIY	25.4	66	+P	01 46 41.4	−0.4		
			eS	01 51 04.5	0.2		
			LN	M_S=4.5		13.0	0.56
WHN	27.1	82	eP	01 47 00.5	3.6		
BJI	28.6	62	eP	01 47 11.5	0.3		
CN2	36.0	56	eP	01 48 15.0	−0.6		

FEB 12d 05h 23m 56.1±0.06s, SD1.11/27
30.07 N±1.07km, 113.71 W±1.07km, h9±0.45km
Lower California (48)
M_S5.6/4,

MDJ	85.9	320	eP	05 36 38.0	−0.7		
CN2	88.7	322	eP	05 36 53.0	0.7		
			LN	M_S=5.5		13.0	0.80
			LZ	M_S=5.4		21.0	1.60
SNY	91.1	321	+P	05 37 05.4	2.2		
			S	05 48 00.0	2.5		
			LN	M_S=5.7		27.0	1.91
			LE			29.0	1.67

FEB 12d 05h 54m 15.3±0.10s, SD2.82/33
30.16 N±1.10km, 111.55 E±1.12km, h9±0.10km
Eastern China (664)
M_S4.1/5, M_L4.3/22,

WHN	2.5	80	ePn	05 54 54.5	−1.3		
			Pg	05 55 00.7	2.1		
			Sg	05 55 36.0	3.9		
			SMN	M_L=4.0		1.0	1.00

			SME			0.5	0.84
			LN			9.0	2.80
XAN	4.5	331	Pn	05 55 25.4	1.8		
			Pg	05 55 39.0	4.9		
			Sn	05 56 19.0	1.3		
			Sg	05 56 35.8	0.7		
			SMN	M_L=4.2		1.0	0.42
			SME			1.0	0.44
GYA	5.7	231	Pn	05 55 45.0	4.8		
			Sn	05 56 53.0	5.5		
			SMN	M_L=4.5		1.4	0.50
			SME			1.4	0.40
NJ2	6.5	71	ePn	05 55 55.8	3.7		
			LN	M_S=4.1		6.5	0.84
			LE			7.0	0.87
CD2	6.8	278	ePn	05 55 57.8	2.7		
			Sn	05 57 16.0	1.4		
			LE			2.0	1.12
GZH	7.2	167	ePn	05 56 01.0	−0.4		
			Sn	05 57 20.4	−5.6		
			SMN	M_L=4.3		1.0	0.13
TIY	7.6	5	Pn	05 56 07.8	1.5		
			Sg	05 58 12.0	−0.4		
			SMN	M_L=4.4		1.2	0.11
			SME			1.1	0.12
SSE	8.4	81	eP	05 56 25.0	5.3		
			LN	M_S=3.9		10.0	0.73
			LZ	M_S=4.0		10.0	0.95
LZH	8.8	314	eP	05 56 24.5	−0.9		
GTA	13.3	317	eP	05 57 24.8	−3.0		
			LE	M_S=4.1		38.0	1.90
			LZ	M_S=4.5		15.0	2.34

FEB 12d 16h 17m 57.4±0.20s, SD3.67/12
28.66 N±2.27km, 95.59 E±1.52km, h14±0.35km
India–China border region (313)
M_S4.7/2,

LSA	4.0	286	Pn	16 18 59.4	0.0		
GYA	10.1	100	P	16 20 22.4	−2.7		
TIY	16.7	53	−P	16 21 49.0	−4.3		
DL2	23.9	58	P	16 23 06.0	−5.6		
			pP	16 23 20.0	2.5		
			LE	M_S=4.7		10.0	0.85
			LZ	M_S=4.7		24.0	2.85
CN2	28.2	50	eP	16 23 50.0	−2.6		
			sP	16 24 01.0	−0.6		
			LN	M_S=4.6		12.0	0.60
			LZ	M_S=4.6		23.0	1.60

FEB 12d 16h 20m 27.6±0.09s, SD1.68/83
35.50 N±1.66km, 140.58 E±1.75km, h56±0.96km
Near east coast of Honshu (228)
M_S4.5/17, m_B5.4/1, m_b5.4/2,

MDJ	12.4	321	eP	16 23 27.5	3.9		
			S	16 25 45.0	5.5		
			LN	M_S=4.5		24.0	3.40
CN2	14.3	310	eP	16 23 50.0	1.4		
			sP	16 24 01.0	−4.5		
			eS	16 26 27.0	1.6		
			LN	M_S=4.1		12.0	0.60
			LZ	M_S=4.2		23.0	1.60
SNY	14.7	301	eP	16 23 58.0	4.1		
			LE	M_S=4.3		30.0	1.99
			LZ	M_S=4.3		28.0	2.51
DL2	15.5	288	P	16 24 06.0	2.0		
			PMZ	m_B=5.4		6.0	0.92
			eS	16 26 58.0	4.7		
			LE	M_S=4.4		10.0	0.85
			LZ	M_S=4.4		24.0	2.35
SSE	16.8	260	eP	16 24 23.5	2.9		
			PP	16 24 36.5	1.7		
			eS	16 27 29.0	5.4		
			LE	M_S=4.7		14.0	1.93
			LZ	M_S=4.6		16.0	2.66
NJ2	18.4	265	−P	16 24 40.4	0.2		
			eS	16 28 03.0	3.5		
			LN	M_S=4.4		12.0	0.66
			LE			12.0	0.52
TIA	19.0	279	eP	16 24 46.1	−1.8		
			LN	M_S=4.6		14.0	0.70
			LE			14.0	1.05
			LZ	M_S=4.2		14.0	0.72
BJI	19.8	291	eP	16 24 53.0	−3.2		
			epP	16 25 10.0	2.0		
			eS	16 28 32.0	1.3		
QZH	21.7	247	eP	16 25 16.0	0.5		
			eS	16 29 06.0	−0.6		
			sS	16 29 33.0	5.3		
			LN	M_S=4.4		28.0	1.48
WHN	22.5	265	−P	16 25 24.6	0.8		
			S	16 29 26.0	4.8		
			sS	16 29 48.0	4.4		
			LE	M_S=4.8		16.0	1.80
			LZ	M_S=4.5		24.0	2.20
TIY	22.7	284	−P	16 25 23.8	−1.7		
			S	16 29 25.0	1.0		
			LE	M_S=4.7		17.0	1.50
			LZ	M_S=4.6		24.0	2.43
HHC	23.4	292	+P	16 25 30.0	−2.3		
BTO	24.5	291	eP	16 25 41.0	−2.6		
XAN	26.0	276	+P	16 25 57.0	−0.4		
			LN	M_S=4.6		15.0	0.81
LZH	29.7	282	eP	16 26 31.0	0.0		
			PMZ	m_b=5.5		2.0	0.20
GYA	30.3	262	+P	16 26 35.2	−1.3		
			S	16 31 34.0	3.9		
CD2	31.0	272	eP	16 26 41.6	−1.1		
GTA	32.4	289	P	16 26 54.0	−0.8		
			LE	M_S=4.5		32.0	1.10
KMI	34.1	263	+P	16 27 08.0	−1.4		
			eS	16 32 24.0	−6.1		
			LE	M_S=4.8		15.0	0.90
WMQ	40.9	298	P	16 28 08.0	1.2		
			S	16 34 18.0	4.9		
LSA	41.7	276	P	16 28 13.9	0.5		
KSH	50.5	295	eP	16 29 22.0	−0.5		
			eS	16 36 28.5	−2.1		

FEB 12d 19h 15m 32.4±0.09s, SD1.52/106
23.86 N±1.11km, 122.53 E±1.22km, h15±0.15km
Taiwan region (243)
M_S5.9/52, M_L5.1/6, m_B5.7/11,

QZH	3.8	288	Pn	19 16 31.0	0.8		
			Pg	19 16 43.1	4.4		
			Sn	19 17 11.9	−4.2		
			SMN	M_L=4.9		0.6	3.19
			SME			0.6	2.52
			LE	M_S=5.4		12.0	102
SSE	7.3	351	+P	19 17 20.4	−1.0		
			PMZ	m_b=5.8		0.8	0.45
			sP	19 17 30.8	0.8		
			eS	19 18 46.0	1.2		
			LN	M_S=5.6		12.0	62.4
			LZ	M_S=5.6		18.0	70.2
GZH	8.5	267	P	19 17 36.9	−0.8		
			LN	M_S=5.7		10.0	34.2

			LE				11.0	37.1
NJ2	8.8	339	+P	19	17	40.4	−1.6		
			LN			M_S=6.0		5.0	10.5
			LE					5.0	37.6
			LZ			M_S=5.2		20.0	26.0
WHN	9.9	314	P	19	17	56.8	−0.2		
			S	19	19	47.5	−0.8		
			SMN					1.4	1.90
			LE			M_S=5.8		12.0	49.8
			LZ			M_S=5.8		16.0	79.7
QZN	12.8	250	eP	19	18	36.5	0.2		
			pP	19	18	43.0	1.6		
			eS	19	20	57.5	−1.6		
			SS	19	21	13.0	−0.4		
			LN			M_S=5.8		16.0	37.0
			LE					15.0	21.3
TIA	13.2	340	eP	19	18	42.7	0.9		
			eS	19	21	12.7	3.6		
			LN			M_S=5.9		12.0	38.1
			LE					12.0	20.5
			LZ			M_S=5.6		12.0	25.5
GYA	14.6	284	P	19	19	02.0	1.2		
			pP	19	19	10.0	4.2		
			PP	19	19	16.0	4.0		
			S	19	21	48.0	5.2		
			LN			M_S=6.2		12.0	45.3
			LE					12.0	49.2
DL2	15.0	357	+iP	19	19	09.5	3.3		
			PMZ			m_B=5.8		4.0	1.58
			eS	19	21	58.0	4.9		
			LN			M_S=5.8		12.0	26.0
			LE					13.0	10.9
			LZ			M_S=5.6		18.0	35.7
XAN	15.6	314	+P	19	19	14.5	0.3		
			pP	19	19	19.2	−0.1		
			eS	19	22	09.0	1.3		
			SS	19	22	20.0	−5.1		
			LN			M_S=5.7		10.0	18.5
TIY	16.3	330	+iP	19	19	25.4	2.7		
			LN			M_S=6.1		12.0	40.3
			LE					12.0	14.7
			LZ			M_S=6.0		13.0	49.5
BJI	17.0	343	eP	19	19	33.0	1.5		
			PMZ			m_B=5.7		8.0	2.67
			eS	19	22	44.0	4.7		
			LN			M_S=5.7		12.0	18.8
SNY	17.9	3	−iP	19	19	43.0	−0.3		
			pP	19	19	54.6	6.0		
			SME					16.0	4.86
			LN			M_S=5.9		15.0	25.1
			LE					15.0	14.6
			LZ			M_S=5.8		15.0	37.4
KMI	18.1	278	+P	19	19	46.0	0.9		
			pP	19	19	54.0	3.9		
			sP	19	19	59.0	5.2		
			PP	19	20	04.0	4.9		
			iS	19	23	08.0	4.1		
			LE			M_S=5.9		11.0	22.9
CD2	18.1	297	P	19	19	47.0	1.9		
			S	19	23	08.5	5.2		
			LE			M_S=6.0		10.0	24.3
HHC	19.3	334	P	19	20	01.0	1.3		
			PMZ			m_B=5.5		4.0	1.00
			pP	19	20	09.5	4.6		
			sP	19	20	13.5	5.0		
			S	19	23	32.0	1.7		
			SME			m_B=5.5		11.0	2.48
			LN			M_S=6.0		11.0	23.3
			LE					14.0	14.0
BTO	19.7	331	−P	19	20	03.0	−1.7		
			PP	19	20	24.0	1.6		
			S	19	23	45.0	4.6		
			LN			M_S=6.3		14.0	51.4
			LE					14.0	28.6
			LZ			M_S=6.1		14.0	57.9
CN2	20.0	6	+P	19	20	06.5	−1.5		
			sP	19	20	16.5	−0.8		
			eS	19	23	46.0	−1.6		
			LN			M_S=6.0		13.0	25.4
			LZ			M_S=5.7		23.0	38.5
LZH	20.2	311	−P	19	20	10.5	0.3		
			PMZ					3.0	1.12
			S	19	23	56.0	5.2		
			SME			m_B=5.7		7.0	2.22
			LN			M_S=6.0		15.0	20.5
			LE					14.0	22.0
MDJ	21.5	14	+P	19	20	22.0	−1.0		
			pP	19	20	27.5	−1.6		
			sP	19	20	31.0	−1.3		
			S	19	24	10.0	−5.4		
			LZ			M_S=5.7		12.0	16.2
GTA	24.7	314	−iP	19	20	54.0	−0.6		
			PMZ			m_B=5.8		4.0	1.22
			pP	19	21	04.5	3.9		
			S	19	25	09.0	−3.3		
			sS	19	25	24.0	0.9		
			LE			M_S=6.0		14.0	24.2
			LZ			M_S=5.8		16.0	21.7
LSA	28.6	289	P	19	21	29.9	−0.8		
			eS	19	26	20.0	2.7		
			LE			M_S=5.4		20.0	6.09
WMQ	34.8	314	P	19	22	24.0	−0.8		
			PP	19	23	43.0	1.7		
			S	19	27	52.0	−0.9		
			ScS	19	32	45.0	2.0		
			LN			M_S=6.2		11.0	9.27
			LE					11.0	10.3
			LZ			M_S=5.9		14.0	16.3
KSH	42.1	303	−P	19	23	28.0	1.4		
			pP	19	23	36.0	3.2		
			eScS	19	33	24.0	−1.3		
			LE			M_S=6.4		14.0	22.3

FEB 12d 20h 02m 24.4±0.06s, SD1.03/70
5.39 N±0.88km, 126.08 E±1.63km, h98±0.10km
Talaud Islands **(263)**

QZN	20.8	312	eP	20 07 01.2	0.9
WHN	27.4	338	P	20 08 03.5	0.9
NJ2	27.4	347	+P	20 08 03.4	0.6
GYA	28.0	321	P	20 08 08.0	−0.4
			PcP	20 11 22.2	1.5
			S	20 12 40.6	−2.5
			ScP	20 14 52.2	1.0
			ScS	20 18 43.4	1.1
KMI	29.8	314	eP	20 08 24.5	0.1
XAN	32.7	333	+P	20 08 48.0	−1.5
CD2	32.9	323	eP	20 08 51.5	−0.5
DL2	33.6	354	eP	20 08 58.5	0.8
TIY	34.5	341	eP	20 09 05.3	−0.1
BJI	35.6	347	eP	20 09 14.5	−0.5
SNY	36.4	357	+iP	20 09 21.6	0.5
LZH	36.8	329	eP	20 09 24.5	−0.2
HHC	37.6	342	+P	20 09 32.2	0.3
BTO	37.9	340	eP	20 09 32.8	−1.4
CN2	38.3	359	eP	20 09 39.0	2.0
MDJ	39.2	4	eP	20 09 46.0	1.2

LSA	40.9	310	P	20 09 58.9	−0.2			
GTA	41.3	329	+iP	20 10 02.5	−0.2			
			PcP	20 12 00.0	0.8			
			ScP	20 15 40.2	1.5			
			ScS	20 19 54.7	1.2			
WMQ	51.0	325	P	20 11 18.5	−0.4			
KSH	56.5	315	eP	20 12 00.5	1.5			

FEB 13d 02h 03m 39.4 ± 0.08s, SD3.87 / 6
41.38 N ± 0.55km, 79.50 E ± 0.49km, h28 ± 0.90km
Southern Xinjiang Province (321)
M_L3.3 / 6,

KSH	3.3	237	ePn	02 04 29.5	−0.4			
			Sn	02 05 11.0	1.3			
			SMN	M_L = 3.5		0.5	0.10	
			SME			0.5	0.20	
WMQ	6.5	65	Pn	02 05 19.4	5.3			
			Sn	02 06 36.0	6.5			
			SMN	M_L = 3.1		0.8	0.010	
			SME			0.6	0.010	

FEB 13d 02h 44m 53.7 ± 0.16s, SD2.36 / 39
23.92 N ± 2.35km, 122.68 E ± 2.32km, h33 ± 0.98km
Taiwan region (243)
M_S4.4 / 11, M_L4.5 / 10,

QZH	3.9	286	ePn	02 45 50.0	−1.3			
			SMN	M_L = 4.2		1.0	0.70	
			SME			0.6	0.35	
			LN	M_S = 3.8		10.0	2.07	
SSE	7.3	350	+P	02 46 40.3	−0.2			
			LN	M_S = 4.0		12.0	1.44	
			LZ	M_S = 4.5		16.0	4.43	
NJ2	8.8	338	−P	02 47 01.4	0.0			
			S	02 48 35.6	−4.6			
			LN	M_S = 4.8		4.0	0.77	
			LE			4.0	2.20	
WHN	9.9	314	eP	02 47 14.0	−3.2			
			eS	02 49 07.0	−1.7			
			SMN			1.0	0.15	
			SME			1.0	0.11	
			LE	M_S = 4.2		10.0	1.00	
			LZ	M_S = 4.2		16.0	1.80	
GYA	14.7	283	P	02 48 22.4	0.7			
DL2	15.0	357	eP	02 48 25.0	0.1			
			LZ	M_S = 4.1		14.0	0.88	
XAN	15.7	313	eP	02 48 38.0	3.8			
			LE	M_S = 4.2		10.0	0.51	
TIY	16.3	330	eP	02 48 45.0	2.8			
			LN	M_S = 4.6		13.0	1.35	
			LE			12.0	0.48	
			LZ	M_S = 4.5		14.0	1.90	
CD2	18.2	297	eP	02 49 05.4	−0.1			
			S	02 52 26.5	2.9			
			LN	M_S = 4.7		7.0	0.82	
LZH	20.3	311	eP	02 49 30.0	0.2			
GTA	24.7	314	eP	02 50 13.9	−0.2			
			LE	M_S = 4.5		13.0	0.60	

FEB 13d 03h 05m 05.2 ± 0.07s, SD1.08 / 86
49.94 N ± 1.09km, 78.87 E ± 0.88km, h0 ± km
Eastern Kazakhstan (329)
M_S5.0 / 18, M_L5.6 / 2, m_b5.9 / 10,

WMQ	8.6	132	+iP	03 07 13.5	−0.7			
			LE			3.0	13.9	
KSH	10.6	192	eP	03 07 43.0	0.9			
			LN			3.0	14.7	
GTA	18.2	117	+P	03 09 19.7	−1.4			
			PMZ	m_b = 6.1		1.5	1.38	
			LN	M_S = 4.9		6.0	1.33	
LSA	22.2	151	+iP	03 10 05.9	−0.2			
LZH	22.8	118	+iP	03 10 11.5	0.5			
			PMZ	m_b = 6.1		1.5	1.14	
			S	03 14 21.0	5.4			
			LN	M_S = 5.2		8.0	1.60	
			LE			8.0	1.55	
BTO	23.7	101	+P	03 10 20.5	0.8			
			pP	03 10 27.0	3.6			
			LN	M_S = 5.1		11.0	1.60	
			LE			9.0	1.40	
			LZ	M_S = 4.9		11.0	2.20	
HHC	24.5	99	P	03 10 28.6	0.6			
			LN	M_S = 5.4		9.0	2.00	
			LE			10.0	3.40	
CD2	26.6	126	+iP	03 10 48.4	0.7			
			LE	M_S = 4.9		10.0	1.01	
TIY	26.9	104	+P	03 10 50.5	0.4			
			LN	M_S = 5.0		11.0	1.19	
			LE			12.0	1.16	
			LZ	M_S = 4.9		12.0	1.81	
XAN	27.2	114	+iP	03 10 52.8	0.2			
			PcP	03 14 13.3	0.2			
			LN	M_S = 4.9		11.0	1.15	
BJI	27.9	96	+P	03 10 59.5	0.1			
			LN	M_S = 5.2		12.0	0.98	
			LE			11.0	1.79	
			LZ	M_S = 5.0		12.0	2.29	
TIA	30.8	102	eP	03 11 25.3	0.4			
			PcP	03 14 21.4	−0.7			
KMI	30.9	134	+iP	03 11 26.0	−0.5			
GYA	31.7	127	+P	03 11 33.4	0.0			
			PcP	03 14 24.2	−0.4			
			S	03 16 43.0	0.6			
SNY	31.8	87	+iP	03 11 32.4	−1.2			
CN2	32.0	83	+iP	03 11 35.0	−0.9			
			PcP	03 14 24.0	−1.4			
			eS	03 16 47.0	−0.8			
			LE	M_S = 5.0		9.0	1.00	
			LZ	M_S = 4.8		15.0	1.50	
DL2	32.1	94	eP	03 11 36.3	0.0			
WHN	32.9	113	P	03 11 43.5	0.1			
			PMZ	m_b = 5.9		1.0	0.19	
			PcP	03 14 27.6	−0.1			
			LE	M_S = 4.8		11.0	0.70	
MDJ	34.3	79	+iP	03 11 54.7	−0.9			
NJ2	34.6	106	+iP	03 11 58.4	0.4			
			iPcP	03 14 32.2	−0.3			
			LZ	M_S = 4.5		11.0	0.44	
SSE	36.7	105	−P	03 12 15.9	0.0			
			PMZ	m_b = 5.5		1.0	0.10	
			LN	M_S = 4.5		12.0	0.29	
			LZ	M_S = 4.5		12.0	0.45	
GZH	38.0	122	−P	03 12 27.2	0.2			
QZN	39.5	130	+iP	03 12 40.4	0.6			

FEB 13d 03h 15m 37.1 ± 0.23s, SD2.82 / 27
22.29 S ± 3.12km, 68.21 W ± 3.65km, h127 ± 1.53km
Northern Chile (123)

WMQ	150.7	37	PKP	03 35 15.5	5.8
GTA	160.1	28	PKP	03 35 22.0	−0.2
GYA	173.8	47	PKP	03 35 32.0	−1.8

FEB 13d 15h 05m 31.1 ± 0.06s, SD0.64 / 28
25.71 S ± 1.17km, 176.53 W ± 1.17km, h34 ± 0.18km
South of Fiji (171)

MDJ	85.5	325	eP	15 18 08.0	0.2
WHN	86.6	306	eP	15 18 13.5	0.5

CN2	87.2	322	+P	15 18 15.7	−0.4			
GYA	90.4	299	P	15 18 31.4	0.2			
BJI	90.5	315	eP	15 18 31.5	−0.3			
TIY	91.7	311	eP	15 18 38.0	0.5			
XAN	92.3	307	P	15 18 40.3	0.1			
KMI	92.9	296	+P	15 18 43.5	0.5			
HHC	93.9	314	eP	15 18 48.0	0.4			
BTO	94.8	313	eP	15 18 51.3	−0.3			

FEB 13d 17h 48m 44.7 ± 0.09s, SD1.76 / 44
5.98 S ± 1.61km, 105.43 E ± 2.24km, h53 ± 0.21km
Sunda Strait (276)
M_S4.8 / 8,

QZN	25.2	10	eP	17 54 11.4	3.8			
			LN	M_S = 4.8		11.0	0.80	
			LE			11.0	0.50	
KMI	31.0	355	eP	17 55 04.5	4.2			
			eS	18 00 04.0	3.9			
			LN	M_S = 5.3		10.0	2.00	
			LZ	M_S = 5.3		12.0	3.60	
GYA	32.3	2	P	17 55 11.8	0.7			
CD2	36.7	358	P	17 55 50.8	1.7			
WHN	37.3	13	P	17 55 55.0	1.0			
LSA	38.0	340	P	17 55 58.2	−2.4			
XAN	39.9	5	P	17 56 16.2	0.3			
			LE	M_S = 4.8		12.0	0.51	
LZH	41.9	358	eP	17 56 32.5	0.5			
TIY	44.0	8	eP	17 56 50.4	1.5			
			eS	18 03 21.0	4.8			
			LN	M_S = 4.8		14.0	0.56	
			LZ	M_S = 4.7		16.0	0.83	
GTA	45.5	354	P	17 57 01.4	0.4			
			LN	M_S = 4.7		8.0	0.22	
BJI	46.9	11	eP	17 57 12.0	0.2			
WMQ	52.1	344	P	17 57 51.4	−0.8			
CN2	52.7	18	eP	17 57 56.5	−0.5			

FEB 13d 21h 51m 48.3 ± 0.09s, SD1.17 / 51
0.01 N ± 0.96km, 123.73 E ± 1.28km, h166 ± 0.78km
Minahassa Peninsula (Celebes) (265)

QZN	23.3	325	−P	21 56 44.4	1.9
GZH	25.1	337	eP	21 57 01.0	1.8
GYA	31.0	329	P	21 57 54.4	1.5
			PcP	22 00 45.4	1.3
WHN	31.7	344	eP	21 58 00.0	1.7
KMI	32.2	322	+P	21 58 04.5	1.3
CD2	36.1	330	eP	21 58 36.8	0.4
XAN	36.6	339	eP	21 58 39.7	−0.8
TIY	38.9	346	−iP	21 59 00.8	0.7
LZH	40.4	335	eP	21 59 12.5	0.5
BJI	40.4	351	eP	21 59 11.5	−0.8
LSA	42.8	316	+P	21 59 32.4	0.0
GTA	44.9	334	P	21 59 49.0	0.4
			PcP	22 01 28.0	1.1
WMQ	54.2	328	eP	22 00 58.5	−0.6

FEB 13d 23h 56m 57.3 ± 0.10s, SD1.12 / 69
50.72 N ± 2.33km, 173.54 E ± 2.27km, h34 ± 0.39km
Aleutian Islands region (16)
M_S4.7 / 7, m_b5.4 / 2,

MDJ	29.9	276	eP	24 03 03.2	−0.9			
			S	24 08 02.0	5.0			
			LZ	M_S = 4.5		20.0	1.20	
CN2	32.9	277	−P	24 03 30.4	−0.2			
SNY	35.1	275	−iP	24 03 50.0	0.5			
			PP	24 05 12.0	4.0			
			eS	24 09 14.0	−5.0			
			LE	M_S = 4.6		24.0	0.80	
DL2	37.9	272	eP	24 04 14.0	0.4			
BJI	40.7	278	eP	24 04 37.5	0.6			
TIA	42.4	272	eP	24 04 51.8	1.1			
SSE	43.1	263	+P	24 04 57.8	1.2			
			eS	24 11 26.0	5.5			
			LZ	M_S = 4.3		26.0	0.50	
HHC	43.2	282	eP	24 04 58.0	1.0			
NJ2	44.0	266	+P	24 05 04.6	1.2			
			LZ	M_S = 4.2		20.0	0.31	
BTO	44.3	282	−P	24 05 07.0	1.1			
TIY	44.5	277	P	24 05 08.5	1.1			
			S	24 11 45.0	6.2			
			LE	M_S = 4.7		15.0	0.43	
			LZ	M_S = 4.4		25.0	0.55	
WHN	47.8	268	P	24 05 34.0	−0.1			
			PMZ	m_b = 5.3		1.0	0.040	
			sP	24 05 51.6	3.9			
			PcP	24 07 02.0	−0.2			
XAN	49.0	276	P	24 05 43.0	0.0			
LZH	50.8	282	−P	24 05 58.5	1.0			
			PMZ	m_b = 5.5		1.5	0.10	
GTA	51.2	287	P	24 06 00.0	−0.3			
			LE	M_S = 4.8		15.0	0.46	
CD2	54.3	277	eP	24 06 22.7	−0.5			
WMQ	55.5	299	−iP	24 06 32.0	−0.1			
GYA	55.5	271	−P	24 06 31.4	−0.7			
KMI	59.0	273	−P	24 06 58.0	1.4			
LSA	63.0	285	−iP	24 07 23.5	−0.8			
KSH	64.9	302	eP	24 07 37.0	0.7			
			epP	24 07 47.0	1.0			
			eS	24 16 16.0	1.7			

FEB 14d 00h 48m 42.6 ± 0.09s, SD1.04 / 94
21.73 N ± 1.20km, 143.02 E ± 1.47km, h311 ± 0.10km
Marianas region (215)
m_B5.1 / 8, m_b5.3 / 12,

SSE	21.6	300	+P	00 53 09.4	0.0			
			PMZ	m_b = 4.8		1.1	0.050	
			sP	00 54 37.0	−2.9			
			eS	00 56 41.0	−3.8			
			LN			10.0	0.20	
			LZ			20.0	0.50	
NJ2	23.8	301	+P	00 53 30.0	−0.1			
			S	00 57 21.0	0.1			
			LN			10.0	0.21	
			LE			11.0	0.52	
DL2	25.1	318	eP	00 53 44.0	2.5			
MDJ	25.4	337	+iP	00 53 45.0	0.9			
			pP	00 54 42.0	−0.5			
			sP	00 55 20.0	2.6			
			S	00 57 42.0	−3.9			
			SMN	m_B = 5.1		12.0	1.70	
SNY	25.9	325	+P	00 53 47.9	−0.7			
			PP	00 54 51.5	1.4			
			SMN	m_B = 5.1		8.0	0.80	
			SME			8.0	0.70	
CN2	26.4	331	+P	00 53 52.5	−1.0			
			pP	00 54 49.5	−1.2			
			eS	00 58 00.0	−3.2			
			SMN	m_B = 5.1		7.0	0.90	
			ScP	01 00 19.0	0.4			
TIA	26.8	308	+P	00 53 56.0	−0.7			
WHN	27.1	295	+P	00 54 00.0	−0.1			
			PMZ	m_b = 5.1		1.0	0.070	
			sP	00 55 30.0	−4.2			
			sS	01 00 00.0	2.1			
BJI	29.2	315	+P	00 54 17.0	−1.6			
			eS	00 58 44.0	−3.8			

			eScP	01 00 30.5	3.2			
TIY	30.8	308	+P	00 54 32.0	−0.4			
			PMZ			3.0	0.46	
			S	00 59 13.5	1.8			
			SME	$m_B = 5.0$		10.0	0.76	
QZN	31.2	271	P	00 54 36.4	0.7			
XAN	32.4	300	+iP	00 54 45.4	−0.7			
			PcP	00 57 26.0	0.7			
HHC	32.7	313	+P	00 54 49.0	0.1			
GYA	33.5	285	+P	00 54 55.2	−0.1			
			sP	00 56 29.0	−1.9			
			S	00 59 52.4	−0.4			
			PcS	01 01 14.0	1.5			
BTO	33.7	312	+P	00 54 57.0	0.0			
CD2	36.2	293	+iP	00 55 18.2	−0.2			
			S	01 00 29.0	−5.8			
LZH	36.9	302	+iP	00 55 25.0	0.7			
			PMZ	$m_b = 5.5$		1.5	0.32	
KMI	37.0	283	+P	00 55 26.5	1.1			
			sP	00 57 05.5	3.9			
GTA	40.7	306	+iP	00 55 56.0	0.2			
			PcP	00 57 51.1	0.5			
			PMZ	$m_b = 5.3$		2.0	0.34	
			S	01 01 39.5	−2.8			
			SME	$m_B = 5.3$		4.5	0.39	
LSA	47.1	291	+P	00 56 41.5	−5.1			
WMQ	50.4	309	+P	00 57 12.2	0.6			
			PcP	00 58 25.6	0.9			
			S	01 04 01.3	1.9			
			ScS	01 06 29.5	3.5			
KSH	59.1	304	eP	00 58 15.0	1.3			
			pP	00 59 25.0	3.8			
			eS	01 05 58.0	2.1			

FEB 14d 03h 42m 51.5 ± 0.08s, SD0.86 / 53
7.83 N ± 0.86km, 124.66 E ± 1.11km, h56 ± 0.47km
Mindanao (259)
M_S4.5 / 3, m_b5.2 / 1,

QZN	18.2	309	eP	03 47 03.0	1.0			
			LN	$M_S = 4.3$		16.0	0.80	
WHN	24.6	338	+P	03 48 09.5	1.7			
GYA	25.2	319	P	03 48 14.4	0.2			
KMI	27.1	312	+P	03 48 32.0	0.4			
XAN	29.9	333	−iP	03 48 54.8	−1.4			
CD2	30.2	322	P	03 48 57.7	−1.2			
TIY	31.7	341	eP	03 49 12.4	−0.6			
			eS	03 54 11.0	−6.5			
			LE	$M_S = 4.5$		13.0	0.39	
			LZ	$M_S = 4.6$		13.0	0.84	
BJI	33.0	348	eP	03 49 22.0	−1.5			
LZH	34.0	329	eP	03 49 32.0	−0.2			
			PMZ	$m_b = 5.2$		2.0	0.070	
HHC	34.9	343	P	03 49 40.0	−0.2			
GTA	38.5	329	−P	03 50 11.1	0.1			
			LE	$M_S = 4.6$		16.0	0.47	
WMQ	48.2	324	eP	03 51 29.8	0.8			
KSH	53.8	314	eP	03 52 12.0	0.8			

FEB 14d 05h 08m 02.5 ± 0.09s, SD1.19 / 65
6.19 S ± 1.28km, 153.99 E ± 1.51km, h24 ± 0.24km
New Britain region (192)
M_S5.2 / 1, m_b5.6 / 3,

NJ2	50.7	321	−P	05 17 04.4	1.9			
WHN	52.7	316	+P	05 17 18.5	0.8			
			PMZ	$m_b = 5.6$		1.5	0.12	
			eS	05 24 42.0	−0.6			
			LZ	$M_S = 4.7$		20.0	0.64	
TIA	54.5	323	P	05 17 30.8	−0.6			
MDJ	55.1	339	eP	05 17 36.7	0.8			
CN2	56.0	335	eP	05 17 42.0	−0.4			
GYA	56.2	307	P	05 17 43.8	0.3			
BJI	57.7	326	eP	05 17 53.0	−1.1			
TIY	58.3	322	eP	05 17 58.2	−0.6			
			LZ	$M_S = 4.7$		22.0	0.65	
XAN	58.4	316	+iP	05 17 58.8	−0.6			
KMI	58.7	304	+P	05 18 02.5	0.8			
CD2	60.5	311	P	05 18 13.9	0.0			
HHC	60.9	324	eP	05 18 15.2	−1.0			
BTO	61.6	323	eP	05 18 21.0	−0.3			
LZH	63.0	316	eP	05 18 31.5	0.6			
			PMZ	$m_b = 5.5$		2.0	0.12	
GTA	67.5	317	+iP	05 18 59.6	0.2			
LSA	70.0	305	P	05 19 14.7	−0.6			
WMQ	77.5	317	+iP	05 19 59.6	0.5			
KSH	84.8	311	eP	05 20 39.0	1.8			
			esP	05 20 46.0	−2.2			
			eS	05 31 06.0	3.1			

FEB 14d 09h 03m 23.0 ± 0.12s, SD1.85 / 28
23.92 N ± 1.69km, 122.57 E ± 1.78km, h33 ± 0.62km
Taiwan region (243)
M_S4.0 / 3, M_L4.0 / 11,

QZH	3.8	287	Pn	09 04 19.6	0.4			
			Sn	09 05 02.5	−1.4			
			SME	$M_L = 3.8$		0.8	0.23	
SSE	7.3	351	+P	09 05 08.0	−1.5			
NJ2	8.7	339	−P	09 05 29.5	−0.7			
			LN	$M_S = 4.3$		5.0	0.25	
			LE			6.0	1.07	
WHN	9.8	314	eP	09 05 44.0	−1.5			
GYA	14.6	283	P	09 06 50.4	0.7			
XAN	15.6	313	P	09 07 07.4	4.9			
TIY	16.3	330	eP	09 07 14.4	3.6			
			LN	$M_S = 4.0$		11.0	0.38	
			LZ	$M_S = 4.2$		12.0	0.72	
CD2	18.1	297	eP	09 07 33.8	0.2			
GTA	24.7	314	eP	09 08 42.1	−0.5			

FEB 14d 09h 06m 40.8 ± 0.11s, SD1.74 / 34
23.97 N ± 1.84km, 122.70 E ± 1.50km, h33 ± 0.66km
Taiwan region (243)
M_S4.1 / 2, M_L4.0 / 11, m_b4.7 / 2,

QZH	3.9	285	Pn	09 07 38.5	0.1			
			Sn	09 08 18.0	−6.2			
			SMN	$M_L = 3.9$		1.0	0.28	
			SME			1.0	0.26	
SSE	7.2	350	+P	09 08 26.5	−0.3			
			PMZ	$m_b = 4.9$		0.8	0.050	
			eS	09 09 50.8	2.2			
			LE	$M_S = 4.2$		5.0	0.95	
			LZ	$M_S = 3.8$		16.0	0.89	
GYA	14.7	283	eP	09 10 09.8	1.0			
XAN	15.7	313	P	09 10 25.2	4.2			
BJI	16.9	343	eP	09 10 38.5	1.4			
CD2	18.2	297	eP	09 10 52.0	−0.4			
BTO	19.7	330	eP	09 11 10.4	−0.2			
CN2	19.9	6	eP	09 11 12.5	−0.2			
LZH	20.3	311	eP	09 11 16.5	−0.1			
			PMZ	$m_b = 4.4$		1.5	0.030	
MDJ	21.4	14	eP	09 11 28.5	0.9			
GTA	24.7	314	P	09 12 00.0	−0.9			
WMQ	34.8	313	P	09 13 30.0	−0.9			

FEB 14d 11h 26m 00.6 ± 0.10s, SD1.51 / 49
23.96 N ± 1.16km, 122.63 E ± 1.41km, h27 ± 0.35km
Taiwan region (243)

M_S4.5/17, M_L4.1/12, m_b4.4/1,

QZH	3.8	286	Pn	11 26 58.0	0.1			
			Sn	11 27 40.0	−3.5			
			SMN	M_L=4.3		1.2	0.65	
			SME			1.2	0.66	
			LN	M_S=4.0		10.0	2.67	
			LE			16.0	4.51	
SSE	7.2	350	+P	11 27 46.3	−0.9			
			eS	11 29 07.5	−1.5			
			SMN	M_L=3.9		1.0	0.050	
			SME			1.0	0.050	
			LZ	M_S=4.2		16.0	2.39	
NJ2	8.7	338	−P	11 28 06.7	−1.4			
			S	11 29 42.0	−4.3			
			LN	M_S=5.0		5.0	1.23	
			LE			4.5	3.57	
			LZ	M_S=4.1		14.0	1.66	
WHN	9.9	313	eP	11 28 24.0	0.2			
			LN	M_S=4.3		10.0	1.40	
			LZ	M_S=4.3		18.0	2.90	
GYA	14.7	283	P	11 29 28.8	0.3			
			pP	11 29 36.2	1.3			
			S	11 32 12.0	1.6			
			LE	M_S=4.6		13.0	2.10	
XAN	15.6	313	eP	11 29 44.0	3.1			
			LE	M_S=4.4		17.0	1.39	
TIY	16.2	330	eP	11 29 52.0	3.1			
			LN	M_S=4.6		13.0	1.75	
			LZ	M_S=4.7		14.0	2.62	
BJI	16.9	343	eP	11 29 59.0	1.6			
CD2	18.1	297	P	11 30 11.4	−0.8			
			LE	M_S=4.9		6.0	1.24	
KMI	18.1	278	eP	11 30 15.0	2.3			
HHC	19.2	334	eP	11 30 25.2	−0.6			
BTO	19.7	330	eP	11 30 30.5	−0.3			
			esP	11 30 44.0	1.9			
			eS	11 34 02.0	−4.3			
			LN	M_S=4.9		14.0	2.00	
			LE			13.0	0.90	
			LZ	M_S=4.6		13.0	1.70	
CN2	19.9	6	eP	11 30 32.0	−1.4			
			eS	11 34 08.0	−3.3			
			LE	M_S=4.5		12.0	0.80	
			LZ	M_S=4.4		15.0	1.20	
LZH	20.2	311	eP	11 30 35.0	−1.7			
			PMZ	m_b=4.4		1.0	0.020	
MDJ	21.4	14	eP	11 30 48.5	0.1			
GTA	24.7	314	eP	11 31 20.1	−1.0			
			LE	M_S=4.5		12.0	0.53	
			LZ	M_S=4.3		16.0	0.77	

FEB 14d 14h 50m 59.1±0.08s, SD1.62/82
23.99 N±1.32km, 122.57 E±0.98km, h41±1.25km
Taiwan region (243)

M_S4.8/29, M_L4.7/14, m_b5.3/1,

QZH	3.7	286	P	14 51 55.3	−0.7			
			S	14 52 37.2	−1.4			
			SMN	M_L=4.8		1.5	2.73	
			SME			1.5	1.85	
			LE	M_S=4.2		14.0	7.92	
SSE	7.2	351	+P	14 52 43.5	−0.9			
			PMZ	m_b=5.3		0.7	0.10	
			eS	14 54 01.7	−3.2			
			SMN	M_L=4.6		1.0	0.23	
			SME			1.0	0.30	
			LZ	M_S=4.5		16.0	5.31	
GZH	8.5	266	eP	14 53 00.0	−2.8			
			SMN	M_L=5.2		1.4	0.77	
			SME			1.3	0.37	
NJ2	8.7	339	+P	14 53 03.6	−1.5			
			S	14 54 38.6	−3.3			
			LN	M_S=5.3		5.0	1.94	
			LE			4.5	6.93	
			LZ	M_S=4.6		10.0	3.47	
WHN	9.8	314	eP	14 53 21.0	0.5			
			sP	14 53 35.0	1.0			
			S	14 55 11.2	1.5			
			SMN			1.5	0.90	
			SME			1.0	0.26	
			LE	M_S=4.5		13.0	3.10	
			LZ	M_S=4.5		16.0	4.20	
TIA	13.1	340	eP	14 54 09.1	4.4			
			LN	M_S=4.7		10.0	2.00	
			LE			10.0	1.40	
			LZ	M_S=4.6		10.0	2.00	
GYA	14.6	283	P	14 54 24.0	−1.1			
			S	14 57 01.6	−3.8			
			LN	M_S=4.9		12.0	2.40	
			LE			12.0	2.60	
			LZ	M_S=4.6		14.0	2.60	
DL2	14.9	357	eP	14 54 32.0	3.3			
			pP	14 54 40.0	3.1			
			eS	14 57 18.0	5.2			
			LN	M_S=4.6		12.0	1.69	
			LZ	M_S=4.5		20.0	3.01	
XAN	15.6	313	−P	14 54 37.5	0.0			
			pP	14 54 42.4	−3.2			
			LE	M_S=4.4		13.0	1.16	
TIY	16.2	330	+P	14 54 47.5	1.9			
			sP	14 54 56.5	−2.7			
			LN	M_S=4.9		12.0	2.36	
			LE			11.0	1.60	
			LZ	M_S=4.9		14.0	4.88	
BJI	16.9	343	eP	14 54 55.0	0.8			
			esP	14 55 11.0	3.0			
			eS	14 58 04.0	4.9			
			esS	14 58 15.0	2.2			
			LN	M_S=4.6		10.0	1.10	
SNY	17.8	2	+P	14 55 06.0	0.3			
			sP	14 55 21.0	1.4			
			eS	14 58 20.5	0.4			
			LN	M_S=4.8		12.0	1.80	
			LE			16.0	1.50	
			LZ	M_S=4.7		14.0	2.36	
CD2	18.0	297	P	14 55 08.9	0.2			
			LE	M_S=5.0		7.0	1.92	
KMI	18.1	278	+P	14 55 11.5	2.3			
			LE	M_S=4.8		13.0	1.90	
			LZ	M_S=4.6		15.0	2.10	
HHC	19.2	334	P	14 55 22.9	0.5			
			pP	14 55 32.5	1.5			
			sP	14 55 39.0	2.8			
			eS	14 58 51.5	0.5			
			LN	M_S=5.1		13.0	3.90	
			LE			13.0	1.10	
			LZ	M_S=4.5		12.0	1.30	
BTO	19.6	330	eP	14 55 26.0	−1.3			
			esP	14 55 42.0	0.4			
			eS	14 58 58.0	−3.3			
			LN	M_S=5.0		14.0	2.00	
			LE			13.0	2.30	
			LZ	M_S=4.9		14.0	3.60	
CN2	19.9	6	P	14 55 29.0	−1.2			
			pP	14 55 39.8	0.1			
			eS	14 59 04.0	−2.9			
			LN	M_S=4.9		13.5	2.30	

			LZ		M_S=4.9	15.0	3.40
LZH	20.2	311	eP	14 55 34.0	0.9		
			PMZ			3.0	0.38
GTA	24.6	314	+P	14 56 17.0	−0.4		
			LE		M_S=4.7	13.0	1.00
			LZ		M_S=4.6	13.0	1.26
LSA	28.5	288	P	14 56 53.7	−0.3		
WMQ	34.7	313	+iP	14 57 47.0	−0.5		
KSH	42.1	303	P	14 58 52.0	2.5		
			esP	14 59 04.0	−0.7		
			eS	15 05 10.0	3.9		

FEB 14d 15h 54m 56.5 ± 0.08s, SD1.68 / 91
24.01 N ± 1.31km, 122.58 E ± 1.18km, h35 ± 1.18km
Taiwan region (243)
M_S4.9 / 32, M_L4.7 / 13, m_B5.1 / 2,

QZH	3.7	285	P	15 55 52.5	−1.0		
			S	15 56 33.6	−3.2		
			SMN		M_L=4.7	1.0	2.54
			SME			1.0	1.60
			LE		M_S=4.3	15.0	11.3
SSE	7.2	350	+P	15 56 40.8	−0.9		
			PMZ		m_b=5.4	0.7	0.13
			pP	15 56 49.0	0.6		
			SMN		M_L=4.7	1.0	0.24
			SME			1.0	0.41
			LZ		M_S=4.7	16.0	7.61
GZH	8.5	266	eP	15 56 55.7	−4.9		
			SMN		M_L=5.1	1.2	0.47
			SME			1.0	0.34
NJ2	8.7	339	−P	15 57 00.7	−1.8		
			S	15 58 35.0	−4.7		
			LN		M_S=5.4	5.0	2.74
			LE			4.0	8.32
WHN	9.8	313	eP	15 57 17.5	−0.6		
			sP	15 57 31.5	1.2		
			eS	15 59 06.0	−2.0		
			SMN			1.5	1.02
			SME			1.0	0.26
			LE		M_S=4.8	16.0	7.30
			LZ		M_S=4.7	16.0	5.70
QZN	12.8	250	eP	15 58 01.8	2.2		
			eS	16 00 15.5	−6.8		
			LN		M_S=4.8	18.0	3.90
			LE			18.0	2.60
TIA	13.0	340	eP	15 58 03.5	1.3		
			eS	16 00 29.0	2.0		
			LN		M_S=4.8	11.0	2.53
			LE			11.0	1.99
			LZ		M_S=4.7	11.0	2.72
GYA	14.6	283	P	15 58 23.0	0.1		
			pP	15 58 31.0	0.9		
			S	16 01 00.2	−3.7		
			LN		M_S=5.1	12.0	3.80
			LE			12.0	3.20
			LZ		M_S=4.6	15.0	3.00
DL2	14.9	357	eP	15 58 30.0	3.8		
			LN		M_S=4.8	13.0	2.70
XAN	15.6	313	−P	15 58 35.4	0.2		
			pP	15 58 40.3	−2.3		
			S	16 01 33.0	6.9		
			LE		M_S=4.6	12.0	1.53
TIY	16.2	330	eP	15 58 45.4	2.2		
			sP	15 58 56.0	0.5		
			LN		M_S=5.0	13.0	3.17
			LE			12.0	2.58
			LZ		M_S=5.0	14.0	6.42
BJI	16.9	343	eP	15 58 52.0	0.2		
			esP	15 59 09.0	4.8		
			eS	16 01 56.0	−1.1		
			esS	16 02 10.0	0.7		
			LN		M_S=4.6	12.0	1.31
SNY	17.8	2	+P	15 59 04.0	0.7		
			eS	16 02 17.0	−1.0		
			LN		M_S=4.9	14.0	2.45
			LE			16.0	1.85
			LZ		M_S=4.8	14.0	3.54
CD2	18.0	297	−P	15 59 06.6	0.0		
			LN		M_S=5.1	6.0	2.20
KMI	18.1	278	+P	15 59 09.0	1.8		
			pP	15 59 18.0	3.3		
			eS	16 02 26.0	0.9		
			LE		M_S=4.9	14.0	3.20
			LZ		M_S=4.8	15.0	3.20
HHC	19.2	334	P	15 59 20.7	0.5		
			S	16 02 46.0	−2.3		
			LN		M_S=5.0	13.0	2.51
			LE			12.0	1.39
BTO	19.6	330	eP	15 59 25.0	−0.1		
			esP	15 59 37.5	−0.5		
			PP	15 59 46.0	3.0		
			eS	16 02 58.0	−1.5		
			LN		M_S=5.2	14.0	3.80
			LE			14.0	3.50
			LZ		M_S=5.0	14.0	4.30
CN2	19.9	6	P	15 59 26.4	−1.5		
			pP	15 59 35.0	−1.4		
			eS	16 03 02.0	−2.9		
			LZ		M_S=5.0	15.0	5.10
LZH	20.2	311	eP	15 59 31.5	0.5		
			PMZ		m_b=5.0	1.5	0.12
			LE		M_S=4.8	16.0	2.00
MDJ	21.3	14	eP	15 59 41.5	−1.5		
			sP	15 59 57.5	1.2		
			eS	16 03 36.0	2.8		
			LZ		M_S=5.1	16.0	6.10
GTA	24.6	314	+P	16 00 14.9	−0.5		
			PcP	16 03 52.6	−0.4		
			LE		M_S=4.9	14.0	1.65
			LZ		M_S=4.7	14.0	1.54
LSA	28.6	288	P	16 00 51.5	−0.6		
WMQ	34.7	313	−iP	16 01 45.3	−0.2		
KSH	42.1	303	P	16 02 49.0	1.5		
			epP	16 03 02.0	5.0		
			eS	16 09 07.0	2.1		

FEB 14d 16h 03m 13.2 ± 0.07s, SD1.70 / 74
23.99 N ± 1.29km, 122.54 E ± 1.08km, h44 ± 1.11km
Taiwan region (243)
M_S4.8 / 20, M_L4.6 / 7, m_b5.5 / 2,

QZH	3.7	286	P	16 04 09.5	−0.3		
			S	16 04 50.5	−1.5		
			SMN		M_L=4.6	1.0	1.55
			SME			1.0	1.27
			LN		M_S=4.6	4.0	5.60
SSE	7.2	351	+P	16 04 57.3	−1.1		
			PMZ		m_b=5.7	0.6	0.20
			pP	16 05 06.0	0.9		
			eS	16 06 17.5	−1.1		
			SMN		M_L=4.5	1.0	0.16
			SME			1.0	0.24
			LZ		M_S=4.7	16.0	7.52
GZH	8.5	266	eP	16 05 15.5	−1.1		
			S	16 06 45.1	−6.0		
			LN		M_S=4.5	16.0	4.30
			LE			18.0	3.30

NJ2	8.7	339	−P	16 05 17.0	−2.0			
			S	16 06 53.5	−2.0			
			LZ	M_S=4.5		16.0	4.31	
WHN	9.8	314	eP	16 05 35.5	1.2			
			eS	16 07 25.0	1.7			
			SMN			1.2	0.29	
			SME			1.0	0.15	
			LE	M_S=4.7		15.0	5.40	
			LZ	M_S=4.7		16.0	5.70	
QZN	12.8	250	eP	16 06 15.6	0.2			
			eS	16 08 31.0	−5.9			
			LN	M_S=4.6		15.0	2.40	
			LE			15.0	1.70	
GYA	14.6	283	P	16 06 40.0	1.2			
			pP	16 06 47.0	−0.1			
			S	16 09 20.4	1.7			
			LN	M_S=5.0		12.0	3.30	
			LE			12.0	3.20	
			LZ	M_S=4.6		15.0	3.00	
DL2	14.9	357	eP	16 06 46.5	3.9			
			LZ	M_S=4.7		15.0	3.21	
XAN	15.5	313	P	16 06 52.6	1.4			
			pP	16 06 56.4	−3.3			
			LE	M_S=4.4		11.0	0.92	
TIY	16.2	330	eP	16 07 01.6	2.2			
			LN	M_S=5.0		13.0	3.17	
			LE			12.0	2.52	
			LZ	M_S=5.0		14.0	5.95	
BJI	16.9	343	eP	16 07 10.0	2.0			
SNY	17.8	3	eP	16 07 20.0	0.4			
			S	16 10 34.0	0.9			
			LN	M_S=4.9		16.0	2.56	
			LE			16.0	1.62	
			LZ	M_S=4.9		14.0	3.66	
KMI	18.1	278	+P	16 07 24.0	1.1			
HHC	19.2	334	P	16 07 37.2	1.1			
BTO	19.6	331	eP	16 07 42.0	1.0			
			LN	M_S=5.2		14.0	4.00	
			LE			13.0	2.60	
			LZ	M_S=5.0		14.0	4.30	
CN2	19.9	6	eP	16 07 43.0	−1.0			
			pP	16 07 54.0	0.0			
			eS	16 11 18.0	−2.4			
			LN	M_S=5.1		13.0	3.30	
			LZ	M_S=5.0		15.0	4.60	
MDJ	21.4	14	eP	16 07 58.0	−1.1			
			eS	16 11 50.0	1.5			
			LZ	M_S=5.1		16.0	5.80	
GTA	24.6	314	+iP	16 08 30.9	−0.2			
			PcP	16 12 09.4	1.1			
			LE	M_S=4.8		15.0	1.53	
			LZ	M_S=4.7		14.0	1.60	
LSA	28.5	288	P	16 09 07.9	0.3			
WMQ	34.7	313	P	16 10 01.6	0.4			
KSH	42.1	303	P	16 11 05.0	1.9			

FEB 14d 16h 16m 11.9±0.07s, SD1.68/55
23.99 N±1.29km, 122.55 E±1.05km, h42±1.21km
Taiwan region (243)
M_S4.3/13, M_L4.1/9, m_b5.1/1,

QZH	3.7	286	P	16 17 07.7	−0.9			
			S	16 17 49.0	−2.0			
			SMN	M_L=4.1		1.0	0.49	
			SME			1.0	0.52	
			LE	M_S=3.7		15.0	2.84	
SSE	7.2	351	+P	16 17 56.5	−0.6			
			PMZ	m_b=5.1		1.0	0.080	
			epP	16 18 03.7	−0.2			
			eS	16 19 16.8	−0.8			
			LN	M_S=4.3		12.0	2.89	
			LZ	M_S=4.2		16.0	2.21	
GZH	8.5	266	eP	16 18 14.5	−0.9			
			SMN	M_L=4.6		1.2	0.16	
			SME			1.0	0.080	
NJ2	8.7	339	eP	16 18 15.5	−2.3			
			LN	M_S=4.4		5.0	0.89	
			LE			4.0	0.40	
			LZ	M_S=3.9		14.0	0.95	
WHN	9.8	314	eP	16 18 34.0	0.8			
			sP	16 18 46.0	−0.8			
			SMN			1.4	0.20	
			SME			1.4	0.19	
			LN	M_S=4.2		12.0	1.50	
			LZ	M_S=4.2		16.0	1.80	
QZN	12.8	250	eP	16 19 11.8	−2.4			
			eS	16 21 42.0	6.0			
			LN	M_S=4.2		15.0	0.70	
			LE			15.0	0.70	
GYA	14.6	283	P	16 19 38.2	0.5			
			pP	16 19 45.2	−0.5			
			S	16 22 18.8	1.0			
			LE	M_S=4.3		12.0	0.80	
XAN	15.6	313	eP	16 19 50.3	0.2			
			pP	16 19 55.2	−3.1			
			LE	M_S=4.2		13.0	0.70	
TIY	16.2	330	eP	16 20 04.0	5.8			
			LN	M_S=4.6		11.0	1.00	
			LE			10.0	0.63	
			LZ	M_S=4.5		14.0	1.66	
BJI	16.9	343	eP	16 20 09.0	2.1			
SNY	17.8	3	+P	16 20 19.4	0.9			
CD2	18.0	297	−P	16 20 21.6	0.2			
BTO	19.6	331	eP	16 20 39.0	−1.0			
			epP	16 20 47.0	−2.3			
			eS	16 24 11.0	−2.8			
			LN	M_S=4.7		13.0	1.20	
			LE			13.0	0.80	
			LZ	M_S=4.5		13.0	1.40	
CN2	19.9	6	eP	16 20 41.0	−1.9			
MDJ	21.4	14	eP	16 21 01.0	3.0			
GTA	24.6	314	P	16 21 29.9	−0.1			
			iPcP	16 25 08.0	0.7			
WMQ	34.7	313	eP	16 23 00.4	0.3			
KSH	42.1	303	eP	16 24 05.0	2.9			

FEB 14d 19h 51m 55.2±0.08s, SD2.61/18
40.11 N±1.07km, 100.69 E±0.79km, h18±0.29km
Gansu Province (322)
M_L4.4/7,

GTA	1.0	224	iPg	19 52 10.4	−2.4			
			iSg	19 52 20.0	−6.0			
			SMN	M_L=4.1		1.0	4.28	
			SME			1.0	4.49	
LZH	4.7	147	Pn	19 53 09.5	3.2			
			Sn	19 54 03.0	0.6			
			SMN			2.0	0.80	
			SME			2.0	0.76	
BTO	7.1	83	ePn	19 53 41.8	2.3			
XAN	8.9	130	eP	19 54 04.0	−2.8			
TIY	9.5	101	eP	19 54 13.2	−0.9			
			SMN			1.0	0.18	
			SME			1.0	0.12	
WMQ	10.4	295	eP	19 54 23.8	−2.5			
			SMN			1.0	0.050	
			SME			0.8	0.070	

FEB 15d 02h 19m 34.1 ± 0.12s, SD2.41 / 32
21.47 N ± 1.60km, 94.03 E ± 1.73km, h66 ± 0.69km
Burma (296)
M_L4.3 / 2,

LSA	8.6	343	P	02 21 36.1	−2.8			
			SMN	M_L = 4.2		0.7	0.050	
KMI	8.8	64	+P	02 21 43.5	2.2			
CD2	12.8	41	eP	02 22 34.6	−1.0			
XAN	18.2	43	P	02 23 39.4	−4.0			
GTA	18.6	14	eP	02 23 44.5	−3.8			
TIY	22.7	40	eP	02 24 31.5	0.2			
QZH	22.8	77	P	02 24 30.8	−1.7			
			SME			0.3	0.070	
WMQ	22.9	348	P	02 24 35.2	1.9			

FEB 15d 18h 09m 58.7 ± 0.08s, SD1.23 / 45
37.30 N ± 1.38km, 116.49 W ± 1.08km, h0 ± 0.11km
California–Nevada border region (40)

MDJ	79.0	318	eP	18 22 05.5	−1.2			
CN2	81.7	320	eP	18 22 20.6	−0.6			
SNY	84.1	319	+P	18 22 33.8	0.4			
DL2	87.2	318	eP	18 22 49.5	0.5			
BJI	89.1	322	eP	18 22 57.5	−0.7			
HHC	90.6	326	eP	18 23 05.6	0.1			
BTO	91.5	326	eP	18 23 10.0	0.4			
TIA	91.6	319	eP	18 23 09.7	0.0			
TIY	92.8	323	−P	18 23 15.8	0.7			
SSE	93.2	313	P	18 23 16.7	−0.4			
GTA	96.7	332	eP	18 23 33.3	0.1			

FEB 15d 18h 44m 20.0 ± 0.50s, SD3.32 / 22
13.05 S ± 4.42km, 76.01 W ± 2.29km, h47 ± 4.49km
Near coast of Peru (115)

WMQ	146.3	21	ePKP	19 03 56.2	0.8			
BJI	151.0	340	ePKP	19 04 06.5	3.7			
HHC	151.5	348	ePKP	19 04 08.0	4.3			
GTA	153.5	7	ePKP	19 04 05.6	−0.9			

FEB 15d 18h 49m 24.5 ± 0.14s, SD3.25 / 18
25.64 S ± 2.57km, 70.33 W ± 5.51km, h20 ± km
Near coast of Northern Chile (122)

KSH	148.6	56	ePKP	19 09 09.0	1.3			
			eSKS	19 16 16.0	5.3			
WMQ	154.5	39	ePKP	19 09 21.4	4.9			
GTA	164.0	29	ePKP	19 09 23.7	−3.7			

FEB 15d 19h 16m 09.0 ± 0.10s, SD1.52 / 35
59.12 N ± 2.13km, 143.08 W ± 1.45km, h11 ± 0.16km
Gulf of Alaska (15)
M_S4.8 / 1,

MDJ	51.9	295	eP	19 25 18.5	−2.0			
CN2	54.5	297	+P	19 25 38.3	−1.1			
NJ2	67.0	294	+P	19 27 05.0	0.3			
			LZ	M_S = 4.5		16.0	0.24	
GTA	68.9	312	+P	19 27 16.8	−0.2			
			LN	M_S = 4.8		12.5	0.23	
			LZ	M_S = 4.5		14.0	0.21	
WMQ	69.2	323	−iP	19 27 19.3	0.6			
XAN	69.8	303	P	19 27 21.0	−1.4			
WHN	70.3	297	P	19 27 23.0	−2.5			
KSH	76.5	330	eP	19 28 04.6	2.6			
GYA	77.3	300	P	19 28 07.0	0.6			

FEB 15d 20h 05m 34.6 ± 0.09s, SD1.08 / 48
16.15 S ± 1.20km, 178.32 E ± 1.70km, h13 ± 0.32km
Fiji (182)
m_B5.7 / 2,

NJ2	74.4	311	+P	20 17 13.8	−1.1			
MDJ	75.0	326	eP	20 17 16.5	−1.6			
SNY	76.6	321	+P	20 17 27.8	0.2			
CN2	76.7	324	+P	20 17 27.5	−0.7			
			PMZ	m_B = 5.6		5.0	0.40	
			pP	20 17 36.0	1.9			
			eS	20 27 09.0	−5.1			
			LZ	M_S = 4.8		20.0	0.50	
WHN	77.0	307	P	20 17 29.0	−0.9			
TIA	77.8	314	−P	20 17 34.0	0.1			
BJI	80.3	316	eP	20 17 47.0	−0.9			
GYA	81.4	301	P	20 17 55.0	1.1			
TIY	81.8	313	eP	20 17 55.6	0.1			
			S	20 28 04.5	−1.2			
			SME	m_B = 5.7		6.0	0.33	
			LZ	M_S = 5.0		22.0	0.78	
XAN	82.7	308	P	20 18 00.4	0.0			
HHC	83.8	315	eP	20 18 05.6	−0.5			
KMI	84.2	298	eP	20 18 10.0	1.6			
CD2	85.5	304	P	20 18 16.4	2.0			
GTA	91.5	311	eP	20 18 42.8	−0.4			
			LZ	M_S = 4.5		20.0	0.18	

FEB 16d 01h 02m 30.6 ± 0.12s, SD2.87 / 31
30.03 N ± 1.54km, 94.85 E ± 1.24km, h32 ± 0.06km
India–China border region (313)

LSA	3.2	265	Pn	01 03 22.0	2.0			
			Pg	01 03 27.0	−0.9			
KMI	8.5	123	eP	01 04 35.5	0.3			
LZH	9.7	49	eP	01 04 51.0	0.4			
GTA	10.2	22	eP	01 04 58.6	0.5			
GYA	11.0	106	P	01 05 07.6	−1.5			
WMQ	14.9	339	eP	01 06 05.4	4.7			
TIY	16.5	58	eP	01 06 20.8	−0.3			
WHN	16.9	83	P	01 06 24.0	−1.7			

FEB 16d 03h 29m 44.3 ± 0.21s, SD1.35 / 59
51.75 N ± 3.24km, 174.88 E ± 1.51km, h36 ± 0.56km
Near Islands (5)
M_S5.2 / 12, m_B5.5 / 3, m_b5.4 / 3,

CN2	33.6	276	eP	03 36 25.0	1.3			
			eS	03 41 46.0	3.2			
			LE	M_S = 5.0		12.5	1.10	
			LZ	M_S = 4.8		20.0	2.00	
SNY	35.8	275	eP	03 36 40.6	−2.1			
			S	03 42 20.0	3.8			
			LN	M_S = 5.0		18.0	1.18	
			LE			18.0	0.99	
BJI	41.4	277	eP	03 37 30.0	0.5			
			eS	03 43 44.0	2.0			
			LN	M_S = 5.1		16.0	0.60	
			LE			15.0	1.12	
TIA	43.2	272	eP	03 37 43.6	−0.5			
			sP	03 37 57.7	−0.5			
			eS	03 44 12.0	3.9			
			LN	M_S = 4.9		13.5	0.67	
HHC	43.8	282	eP	03 37 50.0	1.2			
			S	03 44 17.0	1.6			
			LN	M_S = 5.3		15.0	1.18	
			LE			15.0	1.27	
BTO	44.9	282	P	03 37 58.5	1.0			
			pP	03 38 10.0	2.6			
			ePP	03 39 44.0	0.9			
			S	03 44 34.0	2.9			
			SS	03 47 50.5	5.2			
			LN	M_S = 5.4		15.0	1.60	
			LE			15.0	1.10	
TIY	45.2	277	eP	03 38 01.2	1.3			
			S	03 44 42.5	7.1			

			SMN		$m_B = 5.7$		12.0	1.20
			SME				12.0	0.60
			LN		$M_S = 5.3$		15.0	1.20
			LE				15.0	1.29
			LZ		$M_S = 4.9$		17.0	1.32
WHN	48.7	269	eP	03 38 26.5		−1.2		
			eS	03 45 30.0		3.2		
			LZ		$M_S = 4.7$		20.0	0.90
XAN	49.7	276	P	03 38 34.0		−1.4		
LZH	51.5	282	eP	03 38 49.0		0.0		
			PMZ		$m_b = 5.4$		1.5	0.080
GTA	51.7	288	+P	03 38 50.6		−0.3		
			S	03 46 14.0		6.4		
			LN		$M_S = 5.4$		18.0	1.51
			LE				20.0	1.74
			LZ		$M_S = 5.0$		15.0	1.07
CD2	55.0	277	eP	03 39 14.8		−0.4		
WMQ	55.8	299	+iP	03 39 20.4		−0.2		
GYA	56.4	271	P	03 39 24.4		−0.5		
KMI	59.8	273	−P	03 39 48.5		−0.4		
LSA	63.6	285	P	03 40 14.2		−0.5		
KSH	65.1	303	eP	03 40 25.0		0.9		

FEB 16d 04h 22m 35.0 ± 0.07s, SD0.85 / 100
51.68 N ± 1.60km, 174.95 E ± 0.96km, h33 ± 0.04km
Near Islands (5)
M_S6.1 / 50, m_B6.1 / 40, m_b5.8 / 9,

MDJ	30.7	275	+P	04 28 47.5		−1.6		
			pP	04 28 56.0		−2.2		
			sP	04 29 00.0		−2.2		
			S	04 33 52.0		4.4		
			sS	04 34 08.0		4.4		
			LZ		$M_S = 5.5$		16.0	9.30
CN2	33.6	276	+iP	04 29 14.0		−1.2		
			PMZ		$m_B = 5.9$		5.0	1.00
			pP	04 29 24.0		−0.3		
			PP	04 30 27.0		−0.6		
			S	04 34 36.0		1.8		
			SMN		$m_B = 5.9$		8.0	1.80
			LN		$M_S = 5.9$		15.0	9.80
			LE				15.0	7.50
			LZ		$M_S = 5.9$		16.0	18.3
SNY	35.9	275	+iP	04 29 34.4		0.2		
			PMZ		$m_B = 5.9$		9.0	2.10
			pP	04 29 43.0		−0.4		
			PP	04 31 02.0		6.5		
			PPMZ				8.0	2.24
			ScS	04 39 51.0		4.0		
			LN		$M_S = 6.1$		16.0	13.8
			LE				18.0	10.5
DL2	38.8	272	+iP	04 29 58.5		−0.1		
			PMZ		$m_B = 5.9$		8.0	1.49
			esP	04 30 13.0		1.1		
			PP	04 31 29.0		−2.4		
			S	04 35 56.0		3.0		
			SMN		$m_B = 6.2$		11.0	4.14
			SME				12.0	2.19
			esS	04 36 12.0		2.8		
			SS	04 38 36.0		−0.2		
			LN		$M_S = 5.9$		16.0	5.79
			LE				16.0	7.69
			LZ		$M_S = 5.6$		16.0	6.76
BJI	41.5	278	−P	04 30 21.5		0.5		
			PMZ		$m_B = 6.0$		6.0	1.56
			epP	04 30 30.0		−0.2		
			ePP	04 32 00.0		−0.1		
			eS	04 36 36.0		1.7		
			LN		$M_S = 5.9$		14.0	7.87
			LZ		$M_S = 5.9$		16.0	13.2
TIA	43.3	272	+P	04 30 35.9		0.4		
			sP	04 30 49.4		0.6		
			S	04 37 04.0		4.7		
			SMN		$m_B = 6.3$		10.0	4.37
			SME				10.0	3.10
			LN		$M_S = 6.1$		14.0	7.52
			LE				15.0	7.84
HHC	43.8	282	−P	04 30 41.2		0.9		
			pP	04 30 51.0		1.5		
			PP	04 32 28.0		4.0		
			S	04 37 12.5		4.7		
			SMN		$m_B = 6.0$		11.0	2.62
			LN		$M_S = 6.3$		15.0	16.1
			LE				15.0	8.05
SSE	44.1	264	−P	04 30 43.0		0.5		
			PMZ		$m_B = 6.3$		6.0	2.54
			pP	04 30 52.5		0.6		
			PP	04 32 32.0		5.1		
			S	04 37 18.0		5.9		
			SMN		$m_B = 6.3$		12.0	4.52
			SME				12.0	4.05
			sS	04 37 32.0		3.6		
			LN		$M_S = 6.1$		16.0	11.8
			LZ		$M_S = 5.5$		20.0	6.02
NJ2	44.9	267	+P	04 30 49.0		0.1		
			sP	04 31 06.0		3.9		
			S	04 37 23.0		−0.5		
			SS	04 40 44.0		6.3		
			LN		$M_S = 5.9$		14.0	4.05
			LE				14.0	5.42
			LZ		$M_S = 5.5$		17.0	4.50
BTO	44.9	282	+iP	04 30 50.5		1.4		
			pP	04 30 59.5		1.2		
			PP	04 32 35.5		0.7		
			S	04 37 25.0		1.5		
			sS	04 37 37.0		−3.0		
			SS	04 40 38.0		0.2		
			LN		$M_S = 6.3$		14.0	12.3
			LE				14.0	7.30
			LZ		$M_S = 5.6$		14.0	5.00
TIY	45.2	278	+iP	04 30 52.5		1.1		
			PMZ		$m_B = 6.1$		10.0	2.80
			pP	04 31 02.0		1.4		
			PP	04 32 38.5		1.0		
			PPMZ				10.0	2.80
			iS	04 37 35.0		6.1		
			SMN				13.0	7.54
			LN		$M_S = 6.0$		14.0	7.59
			LZ		$M_S = 5.9$		16.0	11.5
WHN	48.7	269	+iP	04 31 19.5		0.4		
			PMZ		$m_B = 6.2$		5.0	1.80
			pP	04 31 28.0		−0.4		
			iS	04 38 21.0		2.1		
			SME		$m_B = 6.2$		10.0	3.07
			isS	04 38 34.0		−0.4		
			iScS	04 41 10.0		4.7		
			LE		$M_S = 6.3$		16.0	17.7
			LZ		$M_S = 5.7$		18.0	7.40
XAN	49.8	276	+iP	04 31 26.6		−0.3		
			PP	04 33 18.0		−3.7		
			S	04 38 32.0		0.1		
			ScS	04 41 14.3		2.3		
			SS	04 42 04.0		3.1		
			LE		$M_S = 6.1$		14.0	7.82
QZH	50.1	260	+P	04 31 30.0		0.4		
			PMZ		$m_B = 6.4$		4.0	1.91
			S	04 38 38.5		1.7		

			SME		$m_B = 6.2$		12.0	4.22
			sS	04 38 53.0		−0.5		
			SS	04 42 10.0		3.1		
			LN		$M_S = 5.7$		16.0	3.56
LZH	51.5	282	+iP	04 31 41.0		0.5		
			PMZ		$m_b = 6.4$		2.5	1.19
			PcP	04 32 53.0		−0.6		
			SMN		$m_B = 6.4$		10.0	4.58
			SME				16.0	3.31
			LN		$M_S = 6.4$		18.0	14.5
			LE				16.0	10.3
GTA	51.8	288	+iP	04 31 42.5		0.0		
			PMZ		$m_B = 5.9$		9.0	1.47
			LN		$M_S = 6.4$		18.0	14.7
			LE				18.0	14.2
			LZ		$M_S = 6.0$		16.0	11.8
GZH	54.7	263	P	04 32 04.8		0.9		
			iS	04 39 46.0		5.3		
			LN		$M_S = 5.9$		20.0	3.50
			LE				20.0	5.00
CD2	55.1	277	+iP	04 32 06.4		−0.3		
			PMZ		$m_b = 6.0$		1.2	0.22
			eS	04 39 49.0		3.2		
			LE		$M_S = 6.1$		15.0	7.52
WMQ	55.8	299	+iP	04 32 12.5		0.3		
			PP	04 34 18.0		0.4		
			S	04 40 00.0		5.2		
			LN		$M_S = 6.6$		16.0	20.6
			LE				18.0	15.9
			LZ		$M_S = 6.1$		15.0	13.5
GYA	56.4	271	+P	04 32 16.0		−0.4		
			pP	04 32 26.8		1.1		
			PP	04 34 23.0		0.3		
			S	04 40 06.0		3.7		
			ScS	04 42 02.0		3.5		
			LN		$M_S = 5.8$		18.0	4.10
			LE				18.0	2.20
KMI	59.8	273	+iP	04 32 40.0		−0.4		
			PMZ		$m_B = 6.1$		5.0	1.30
			pP	04 32 53.0		3.5		
			S	04 40 50.5		3.7		
			SMN		$m_B = 6.0$		7.0	1.10
			SME				7.0	1.10
			LE		$M_S = 6.1$		17.0	6.80
QZN	59.9	263	P	04 32 41.0		0.3		
			PP	04 34 59.0		4.9		
			S	04 40 47.0		−0.9		
			LN		$M_S = 5.9$		15.0	2.40
			LE				15.0	3.50
LSA	63.6	285	+iP	04 33 05.9		−0.3		
			iS	04 41 42.0		4.8		
			SME		$m_B = 6.0$		9.0	1.57
			LE		$M_S = 6.3$		19.0	11.4
KSH	65.1	303	+iP	04 33 16.0		0.3		
			pP	04 33 22.0		−3.1		
			S	04 41 58.0		4.2		
			LE		$M_S = 6.4$		14.0	9.70
			Sn	04 49 20.7		−1.0		
			Sg	04 49 36.4		1.2		
XAN	4.6	151	ePn	04 48 45.4		−0.4		
			Pg	04 49 01.2		4.1		
			SMN		$M_L = 3.1$		0.6	0.030
			SME				0.8	0.020
TIY	4.9	93	ePg	04 49 04.7		2.3		
			Sg	04 50 05.0		−4.7		
			SMN		$M_L = 3.4$		0.6	0.060
			SME				0.6	0.030
HHC	4.9	55	ePg	04 49 06.8		4.2		
			Sg	04 50 07.8		−2.1		
			SMN		$M_L = 3.5$		0.6	0.040
			SME				0.4	0.070
GTA	5.2	286	Pn	04 48 55.7		2.7		
			Pg	04 49 10.6		4.5		
			Sn	04 49 53.3		−1.3		
			SMN		$M_L = 3.3$		0.8	0.030
			SME				0.8	0.030

FEB 16d 05h 22m 07.3 ± 0.06s, SD0.93 / 83
29.97 N ± 1.09km, 138.88 E ± 1.07km, h404 ± 0.39km
South of Honshu (211)
m_b5.2 / 9,

SSE	15.3	279	+P	05 25 24.0		−1.0		
			PMZ		$m_b = 4.8$		1.0	0.040
MDJ	16.4	336	eP	05 25 36.0		0.1		
			S	05 28 24.0		0.0		
DL2	16.8	307	P	05 25 40.0		0.0		
			eS	05 28 34.0		1.8		
SNY	17.1	318	+P	05 25 43.4		0.0		
NJ2	17.3	282	−P	05 25 45.0		−0.3		
			ScP	05 33 02.8		1.2		
CN2	17.5	326	−P	05 25 47.0		0.0		
			ScP	05 33 01.0		−0.9		
TIA	19.2	295	−P	05 26 04.8		0.1		
BJI	21.1	305	−P	05 26 22.0		−0.5		
WHN	21.2	278	+iP	05 26 25.2		1.7		
			PMZ		$m_b = 5.2$		1.2	0.12
TIY	23.2	296	−P	05 26 43.0		0.4		
			PMZ		$m_b = 5.2$		1.2	0.11
HHC	24.7	303	+P	05 26 55.4		−0.3		
XAN	25.7	287	−iP	05 27 04.5		−0.2		
BTO	25.7	302	eP	05 27 04.5		−0.7		
GYA	28.6	271	P	05 27 30.4		0.2		
			S	05 31 45.0		−3.1		
LZH	29.9	291	−iP	05 27 42.0		0.1		
			PMZ		$m_b = 5.2$		1.0	0.12
CD2	30.2	281	−iP	05 27 44.6		−0.1		
			eS	05 32 10.5		−4.7		
KMI	32.3	270	P	05 28 03.5		0.7		
GTA	33.3	297	−iP	05 28 10.5		−0.2		
			ScP	05 33 47.0		0.3		
			S	05 32 58.0		−3.1		
WMQ	42.5	303	−iP	05 29 28.0		0.7		
			S	05 35 19.0		−0.1		
KSH	51.7	299	eP	05 30 38.0		0.6		

FEB 16d 04h 47m 35.1 ± 0.11s, SD3.11 / 13
38.14 N ± 1.19km, 106.21 E ± 0.95km, h10 ± 0.31km
Northern China (323)
M_L3.4 / 8,

LZH	2.8	223	ePg	04 48 25.5		0.8		
			Sg	04 48 59.5		−3.2		
			SMN		$M_L = 3.5$		1.0	0.24
			SME				1.0	0.19
BTO	3.8	49	ePn	04 48 34.4		−0.3		
			Pg	04 48 46.0		3.2		

FEB 16d 05h 44m 38.2 ± 0.12s, SD1.18 / 74
51.76 N ± 3.01km, 174.94 E ± 1.32km, h34 ± 0.12km
Near Islands (5)
M_S5.3 / 15, m_B5.8 / 1, m_b5.4 / 6,

MDJ	30.6	275	−P	05 50 51.0		−1.0		
			pP	05 51 01.0		−0.3		
			eS	05 55 51.0		−0.2		
			LZ		$M_S = 4.9$		16.0	2.30
CN2	33.6	276	+P	05 51 17.0		−1.1		
			pP	05 51 24.0		−3.4		

SNY	35.9	275	+P	05 51 37.3	0.2		
DL2	38.8	272	eP	05 52 02.0	0.5		
			pP	05 52 11.0	0.0		
			eS	05 57 58.0	1.4		
			LN	M_S=5.1		14.0	1.18
			LZ	M_S=4.7		16.0	0.94
BJI	41.5	277	eP	05 52 24.0	0.1		
			pP	05 52 33.5	0.2		
			eS	05 58 40.0	3.0		
			LN	M_S=5.3		14.0	1.14
			LE			14.0	1.19
			LZ	M_S=5.1		16.0	2.05
TIA	43.2	272	P	05 52 38.8	0.3		
			esP	05 52 52.4	0.4		
			S	05 59 08.0	5.9		
			LN	M_S=5.2		14.0	1.25
HHC	43.8	282	+P	05 52 44.4	1.2		
SSE	44.1	264	−P	05 52 45.0	−0.6		
			PMZ	m_b=5.3		1.1	0.050
			pP	05 52 54.0	−1.1		
			S	05 59 16.0	1.0		
			SS	06 02 28.0	2.4		
			LN	M_S=4.9		12.0	0.60
			LZ	M_S=4.4		20.0	0.50
BTO	44.9	282	eP	05 52 53.2	1.3		
NJ2	44.9	267	−P	05 52 52.5	0.6		
			LZ	M_S=4.6		16.0	0.65
TIY	45.2	277	+P	05 52 55.1	0.8		
			SMN	m_B=5.8		12.0	1.57
			LN	M_S=5.1		14.0	0.92
			LZ	M_S=5.1		18.0	2.06
WHN	48.7	269	+P	05 53 22.0	−0.1		
			PMZ	m_b=5.5		1.1	0.070
			pP	05 53 31.0	−0.6		
			eS	06 00 25.0	3.3		
			LZ	M_S=5.0		18.0	1.60
XAN	49.7	276	P	05 53 29.2	−0.6		
LZH	51.5	282	+iP	05 53 44.0	0.7		
			PMZ	m_b=5.7		2.0	0.22
			pP	05 53 53.0	0.3		
			eS	06 01 05.0	4.7		
			LN	M_S=5.5		15.0	1.91
			LE			14.0	1.11
GTA	51.8	288	+iP	05 53 45.3	0.1		
			S	06 01 09.5	7.0		
			LN	M_S=5.5		16.5	1.66
			LE			17.0	1.98
			LZ	M_S=5.2		16.0	1.97
CD2	55.1	277	eP	05 54 09.5	−0.1		
			eS	06 01 55.0	6.6		
			LE	M_S=5.4		12.0	1.11
WMQ	55.8	299	P	05 54 15.0	0.1		
			S	06 01 54.5	−2.5		
			LN	M_S=5.7		15.0	2.67
			LE			15.0	1.38
			LZ	M_S=5.3		18.0	2.60
GYA	56.4	271	P	05 54 18.4	−0.9		
			sP	05 54 28.0	−4.8		
			S	06 02 08.0	2.9		
			LN	M_S=5.7		20.0	2.50
			LE			20.0	2.80
KMI	59.8	273	+P	05 54 42.5	−0.8		
LSA	63.6	285	+P	05 55 08.6	−0.4		
KSH	65.1	303	eP	05 55 18.0	−0.4		
			epP	05 55 28.0	−0.1		
			eS	06 03 58.0	0.4		

FEB 16d 06h 05m 48.9 ± 0.12s, SD1.12 / 35

51.77 N ± 2.27km, 174.93 E ± 0.97km, h34 ± 0.23km
Near Islands (5)

HHC	43.8	282	eP	06 13 54.6	0.8		
BTO	44.9	282	eP	06 14 03.6	1.1		
LZH	51.5	282	eP	06 14 53.0	−0.9		
GTA	51.7	288	P	06 14 55.6	−0.2		
WMQ	55.8	299	+iP	06 15 25.8	0.3		
GYA	56.4	271	P	06 15 29.2	−0.7		
KSH	65.1	303	eP	06 16 30.0	1.0		

FEB 16d 06h 20m 05.6 ± 0.11s, SD1.56 / 82
4.83 N ± 1.54km, 126.72 E ± 2.32km, h40 ± 0.50km
Talaud Islands (263)
M_S5.2 / 22, m_b5.2 / 5,

QZH	21.5	339	eP	06 24 53.0	0.0		
			S	06 28 43.0	0.0		
			sS	06 29 00.0	0.1		
			LN	M_S=5.2		20.0	6.84
QZN	21.7	312	eP	06 24 57.7	2.6		
			S	06 28 50.5	3.5		
			SS	06 29 31.5	6.7		
			LN	M_S=5.1		16.0	3.50
			LE			16.0	2.40
GZH	22.3	326	eP	06 25 03.0	2.0		
			S	06 29 02.0	4.1		
			LN	M_S=5.1		25.0	3.10
			LE			26.0	4.80
SSE	26.6	349	P	06 25 43.0	0.1		
			PMZ	m_b=5.0		1.0	0.040
			sP	06 25 58.0	0.4		
			S	06 30 16.0	3.6		
			sS	06 30 34.0	3.5		
			SS	06 31 28.0	3.0		
			PcS	06 32 48.0	2.3		
			LN	M_S=5.2		20.0	4.10
			LZ	M_S=5.2		20.0	6.02
NJ2	28.1	346	eP	06 25 57.6	1.7		
			LZ	M_S=4.6		20.0	1.53
WHN	28.1	337	+P	06 26 00.7	4.5		
			eS	06 30 38.0	1.1		
			LE	M_S=5.2		17.0	3.20
			LZ	M_S=5.3		20.0	7.00
GYA	28.8	320	P	06 26 02.0	−0.7		
			pP	06 26 12.0	−0.8		
			S	06 30 47.0	−0.3		
KMI	30.6	314	+P	06 26 20.0	1.2		
			pP	06 26 32.0	3.2		
			eS	06 31 16.5	−0.5		
			LN	M_S=4.9		16.0	1.40
TIA	32.5	345	P	06 26 35.7	0.9		
			eS	06 31 47.0	1.4		
			LN	M_S=5.3		21.0	3.86
XAN	33.4	333	P	06 26 41.2	−2.1		
			S	06 32 00.0	0.0		
CD2	33.8	323	eP	06 26 44.2	−1.9		
			LE	M_S=5.5		20.0	5.89
DL2	34.2	353	eP	06 26 51.0	0.9		
			esP	06 27 05.0	−0.1		
			eS	06 32 12.0	−1.2		
			LE	M_S=4.9		14.0	0.91
			LZ	M_S=4.8		24.0	2.26
TIY	35.2	340	eP	06 26 57.9	−0.9		
			S	06 32 31.0	3.2		
			ScS	06 37 17.5	5.2		
			LE	M_S=5.2		20.0	2.66
			LZ	M_S=5.1		22.0	3.89
BJI	36.3	346	eP	06 27 07.0	−0.9		
SNY	36.9	356	eP	06 27 13.5	0.4		

			S	06 32 56.0	1.8			
			LN	$M_S=5.1$		22.0	2.23	
			LZ	$M_S=5.1$		22.0	3.73	
LZH	37.6	329	eP	06 27 18.0	−0.5			
			PMZ	$m_b=5.2$		1.5	0.060	
			LN	$M_S=5.7$		28.0	6.58	
			LE			30.0	7.92	
HHC	38.4	341	eP	06 27 26.6	1.5			
BTO	38.6	339	eP	06 27 23.8	−3.7			
CN2	38.8	359	eP	06 27 29.0	0.1			
			pP	06 27 40.5	1.0			
			eS	06 33 24.0	0.2			
			LN	$M_S=5.3$		13.0	1.30	
			LE			13.0	1.10	
			LZ	$M_S=4.9$		22.0	2.20	
MDJ	39.7	3	eP	06 27 37.0	0.8			
			LZ	$M_S=5.2$		24.0	4.40	
LSA	41.7	310	+P	06 27 52.7	−0.6			
			S	06 34 07.0	1.1			
GTA	42.2	329	eP	06 27 55.2	−1.4			
			eS	06 34 15.0	1.4			
			LN	$M_S=5.7$		26.0	6.70	
			LE			26.0	3.36	
			LZ	$M_S=5.3$		22.0	4.54	
WMQ	51.8	325	eP	06 29 11.4	−1.0			

FEB 16d 09h 16m 56.1±0.06s, SD1.12/52
5.37 S±1.25km, 103.06 E±1.50km, h55±0.39km
Southern Sumatera (274)
m_b5.5/1,

KMI	30.3	359	−P	09 23 05.5	0.4			
GYA	31.8	6	P	09 23 18.0	−0.4			
CD2	36.1	1	P	09 23 54.0	−0.9			
LSA	36.7	343	P	09 24 00.2	−0.3			
XAN	39.6	8	P	09 24 23.3	−0.9			
GTA	44.7	356	P	09 25 06.1	0.3			
HHC	46.6	9	eP	09 25 24.8	3.2			
BJI	46.8	14	eP	09 25 23.0	0.6			
WMQ	50.9	346	+iP	09 25 54.0	−0.2			
KSH	51.2	333	eP	09 25 56.0	−0.8			
			epP	09 26 07.0	−3.2			
			S	09 33 11.0	2.8			
CN2	52.9	20	eP	09 26 09.0	−0.7			

FEB 16d 12h 44m 45.6±0.07s, SD0.91/67
28.05 N±1.35km, 53.65 E±0.96km, h51±0.39km
Southern Iran (353)
M_S4.5/3, m_b4.8/1,

KSH	21.7	52	eP	12 49 33.0	−1.4			
			esP	12 49 54.0	2.4			
			eS	12 53 23.5	−2.8			
			LE	$M_S=4.8$		10.0	1.20	
WMQ	31.5	51	+iP	12 51 05.4	0.2			
GTA	39.6	61	+iP	12 52 15.3	0.6			
			LE	$M_S=4.5$		13.0	0.31	
LZH	42.9	66	eP	12 52 41.5	0.0			
			PMZ	$m_b=4.8$		1.5	0.020	
GYA	46.8	79	P	12 53 11.4	−1.6			
XAN	47.3	68	P	12 53 15.5	−0.7			
BTO	47.5	59	eP	12 53 18.0	0.1			
HHC	48.6	59	+P	12 53 28.2	1.2			
TIY	49.6	63	+P	12 53 34.4	0.1			
			LZ	$M_S=4.7$		18.0	0.73	
BJI	52.2	60	eP	12 53 54.0	0.0			
WHN	52.4	72	eP	12 53 55.5	−0.2			
TIA	53.5	64	P	12 54 03.6	−0.4			
NJ2	55.8	69	−P	12 54 20.5	−0.1			
DL2	56.6	60	eP	12 54 26.0	0.1			

			LZ	$M_S=4.4$		20.0	0.30	
CN2	58.5	54	+P	12 54 38.5	−1.1			
MDJ	61.3	52	eP	12 54 57.5	−1.1			

FEB 16d 20h 00m 47.3±0.11s, SD2.76/13
32.15 N±1.12km, 103.69 E±1.05km, h3±0.23km
Sichuan Province (307)
M_L3.0/6,

CD2	1.2	177	ePg	20 01 07.6	−1.7			
			Sg	20 01 22.6	−3.5			
			SMN	$M_L=3.1$		0.6	0.33	
			SME			0.4	0.38	
XAN	4.8	65	ePn	20 02 01.0	0.6			
			Sg	20 03 16.7	−0.2			
			SMN	$M_L=3.3$		0.6	0.040	
			SME			0.8	0.050	

FEB 16d 21h 42m 29.3±0.13s, SD1.83/25
18.35 S±2.18km, 168.44 E±2.46km, h45±1.54km
Vanuatu (New Hebrides) (186)

MDJ	72.0	332	eP	21 53 50.2	−0.7			
CN2	73.3	329	eP	21 53 57.0	−1.8			
BJI	75.8	321	eP	21 54 12.0	−1.0			
XAN	77.0	313	P	21 54 19.2	−0.6			
GTA	86.0	314	eP	21 55 06.8	−0.2			

FEB 17d 02h 04m 36.3±0.07s, SD2.10/8
39.49 N±1.27km, 74.05 E±0.37km, h7±1.05km
Tadzhikistan–Xinjiang border region (719)
M_L3.8/3,

KSH	1.4	89	ePg	02 05 01.9	−0.2			
			Sg	02 05 20.0	−1.7			
			SMN	$M_L=3.9$		0.5	1.40	
			SME			0.5	1.90	
WMQ	11.1	63	eP	02 07 17.1	−1.7			
GTA	19.9	82	eP	02 09 12.8	1.3			

FEB 17d 03h 06m 32.5±0.06s, SD1.00/18
14.19 N±1.04km, 119.62 E±1.41km, h33±0.17km
Philippine Islands region (248)
M_S4.3/1,

GYA	17.2	317	P	03 10 32.0	−0.2			
XAN	22.0	336	P	03 11 26.7	0.8			
CD2	22.1	321	eP	03 11 27.4	0.4			
TIY	24.3	346	eP	03 11 49.6	1.4			
			LE	$M_S=4.3$		10.0	0.29	
			LZ	$M_S=4.1$		16.0	0.48	
BJI	25.9	354	eP	03 12 04.0	0.2			
LZH	26.0	330	eP	03 12 04.0	−0.6			

FEB 17d 03h 46m 32.4±0.10s, SD1.35/29
4.89 S±1.13km, 152.32 E±1.67km, h61±0.47km
New Britain region (192)

GYA	54.1	308	P	03 55 56.0	2.3			
XAN	56.4	317	P	03 56 10.0	−0.2			
KMI	56.6	304	eP	03 56 09.5	−2.9			
CD2	58.4	311	eP	03 56 25.2	0.3			
BTO	59.6	324	eP	03 56 34.0	1.1			
LZH	61.0	316	eP	03 56 42.5	0.1			
GTA	65.4	317	eP	03 57 12.0	0.4			
WMQ	75.5	317	P	03 58 12.8	0.2			

FEB 17d 05h 22m 23.8±0.21s, SD1.07/71
51.75 N±3.26km, 174.70 E±1.32km, h37±0.66km
Near Islands (5)
M_S5.5/33, m_B5.7/16, m_b5.5/5,

MDJ	30.5	275	eP	05 28 34.0	−2.0			
			sP	05 28 48.0	−2.2			

		S	05 33 36.0	3.2				
		LZ		$M_S=5.2$		16.0	4.40	
CN2	33.5	276	+P	05 29 01.0	−1.1			
			PMZ		$m_B=5.6$		5.0	0.50
			pP	05 29 10.0	−2.0			
			eS	05 34 18.0	−2.3			
			LN		$M_S=5.5$		15.0	3.60
			LE				15.0	2.70
			LZ		$M_S=5.3$		16.0	4.90
SNY	35.7	274	+iP	05 29 20.0	−1.1			
			PMZ		$m_B=5.4$		10.0	0.71
			PP	05 30 44.0	2.3			
			S	05 34 58.0	4.2			
			SMN				13.0	1.24
			SS	05 37 19.0	3.4			
			LN		$M_S=5.4$		17.0	3.09
			LE				17.0	2.55
			LZ		$M_S=5.0$		17.0	2.00
DL2	38.6	272	+P	05 29 45.0	−0.5			
			S	05 35 42.0	3.7			
			LN		$M_S=5.3$		15.0	1.60
			LE				15.0	1.70
BJI	41.3	277	+P	05 30 08.0	0.1			
			PMZ		$m_B=5.6$		8.0	0.71
			epP	05 30 18.0	0.0			
			eS	05 36 24.0	4.4			
			eSS	05 39 24.0	4.9			
			LN		$M_S=5.6$		16.0	1.84
			LE				14.0	2.98
			LZ		$M_S=5.3$		15.0	3.39
TIA	43.1	272	+P	05 30 22.7	0.2			
			S	05 36 50.0	5.3			
			SMN		$m_B=5.8$		10.0	0.96
			SME				8.0	0.86
			LN		$M_S=5.5$		15.0	2.30
			LE				15.0	1.30
			LZ		$M_S=4.8$		15.0	0.90
HHC	43.7	281	+P	05 30 28.0	0.8			
			pP	05 30 37.0	−0.3			
			PP	05 32 12.0	1.4			
			S	05 37 00.0	6.9			
			LN		$M_S=5.5$		13.0	2.70
SSE	44.0	263	eP	05 30 31.0	1.4			
			PMZ		$m_b=6.1$		1.1	0.30
			pP	05 30 40.0	0.2			
			ePP	05 32 16.0	2.4			
			SMN		$m_B=5.8$		12.0	1.36
			SME				12.0	0.90
			sS	05 37 18.0	2.4			
			LN		$M_S=5.4$		16.0	2.15
			LZ		$M_S=5.0$		20.0	1.90
BTO	44.8	282	+iP	05 30 37.0	1.0			
			PMZ		$m_B=6.0$		4.0	0.97
			pP	05 30 47.0	1.0			
			PP	05 32 22.0	0.6			
			S	05 37 14.0	5.2			
			LN		$M_S=5.7$		15.0	4.00
			LE				14.0	1.60
			LZ		$M_S=5.1$		14.0	1.60
NJ2	44.8	266	+P	05 30 33.0	−2.9			
			S	05 37 10.0	1.0			
			LN		$M_S=5.4$		13.0	1.44
			LE				16.0	1.20
			LZ		$M_S=5.0$		14.0	1.18
TIY	45.0	277	+iP	05 30 39.5	1.2			
			PMZ		$m_B=5.9$		6.0	0.99
			pP	05 30 49.5	1.1			
			sP	05 30 54.0	1.4			
			PP	05 32 26.0	2.0			
			PPMZ				9.0	0.94
			S	05 37 20.0	7.0			
			SMN				13.0	2.03
			SME				13.0	0.96
			LN		$M_S=5.5$		14.0	2.59
			LZ		$M_S=5.2$		16.0	2.50
WHN	48.6	268	+P	05 31 06.2	0.1			
			pP	05 31 16.0	−0.3			
			S	05 38 08.0	4.6			
			LE		$M_S=5.5$		15.0	2.30
			LZ		$M_S=5.2$		16.0	1.90
XAN	49.6	276	P	05 31 13.5	−0.4			
			PP	05 33 06.0	−2.2			
			S	05 38 22.0	4.7			
			ScS	05 40 58.5	0.0			
			LE		$M_S=5.4$		13.0	1.45
LZH	51.4	282	+iP	05 31 28.0	0.5			
			PMZ		$m_b=5.7$		1.5	0.14
			pP	05 31 38.0	0.6			
			eS	05 38 48.0	4.8			
			SMN		$m_B=5.8$		7.0	0.82
			LN		$M_S=5.9$		14.0	3.88
			LE				14.0	2.96
GTA	51.6	287	+iP	05 31 29.6	0.2			
			PMZ		$m_B=5.7$		5.5	0.61
			pP	05 31 39.0	−0.5			
			iS	05 38 52.0	5.2			
			LN		$M_S=5.8$		18.0	3.45
			LE				18.0	3.37
			LZ		$M_S=5.4$		16.0	3.21
CD2	54.9	277	eP	05 31 53.3	−0.4			
			eS	05 39 32.0	0.7			
			LN		$M_S=5.5$		14.0	2.02
WMQ	55.7	299	+iP	05 31 59.3	0.1			
			S	05 39 46.0	5.8			
			LN		$M_S=5.8$		14.0	3.02
			LE				15.0	2.03
			LZ		$M_S=5.6$		16.0	4.06
GYA	56.3	271	P	05 32 03.0	−0.5			
			pP	05 32 12.8	−0.9			
			sP	05 32 20.0	2.1			
			S	05 39 52.0	4.1			
			sS	05 40 05.0	−1.3			
			ScS	05 41 51.0	6.1			
KMI	59.7	273	+P	05 32 27.0	−0.5			
			pP	05 32 37.0	−0.5			
			sP	05 32 41.0	−0.8			
			S	05 40 31.0	−1.4			
			sS	05 40 44.0	−6.9			
			LE		$M_S=5.5$		17.0	1.90
KSH	65.0	302	P	05 33 03.0	0.1			
			epP	05 33 13.0	−0.2			
			eS	05 41 46.0	5.1			
			LE		$M_S=5.9$		14.0	3.40

FEB 17d 06h 30m 12.9 ± 0.09s, SD1.52 / 70
27.17 N ± 1.20km, 92.23 E ± 1.04km, h43 ± 0.13km
Eastern India (317)
M_S4.6 / 16,

LSA	2.7	340	iP	06 30 58.3	2.8			
			LN				6.0	18.2
KMI	9.7	100	−P	06 32 32.0	−0.7			
			sP	06 32 43.0	−3.3			
			S	06 34 16.0	−3.9			
			LE		$M_S=4.2$		14.0	1.80
CD2	10.8	67	eP	06 32 48.4	0.9			
			S	06 34 49.0	2.4			

			LE		$M_S=4.7$		8.0	2.41
GYA	12.9	90	P	06 33 15.4		−1.3		
LZH	13.3	45	−iP	06 33 21.0		−0.7		
			eS	06 35 47.0		−1.7		
			LN		$M_S=4.8$		10.0	2.58
			LE				15.0	2.30
GTA	13.7	25	P	06 33 25.8		−1.8		
			LE		$M_S=4.7$		12.0	2.59
XAN	15.9	60	P	06 33 53.7		−1.9		
WMQ	17.0	349	P	06 34 10.0		0.5		
			LE		$M_S=4.4$		7.0	0.51
KSH	18.3	316	+P	06 34 25.0		−0.9		
			epP	06 34 35.0		0.3		
			LE		$M_S=5.0$		12.0	3.30
WHN	19.7	75	eP	06 34 41.5		0.4		
			eSS	06 38 40.0		−2.2		
			LN		$M_S=4.6$		14.0	1.30
			LZ		$M_S=4.4$		16.0	1.20
BTO	19.9	43	eP	06 34 45.0		1.2		
			esP	06 34 58.0		−0.8		
			eS	06 38 22.0		1.8		
			LN		$M_S=4.7$		13.0	1.20
			LE				13.0	1.00
HHC	21.0	45	P	06 34 56.0		0.7		
TIA	23.0	61	eP	06 35 16.1		1.2		
BJI	23.6	51	eP	06 35 23.0		1.8		
DL2	27.2	57	eP	06 35 56.0		1.4		
SNY	29.5	52	−P	06 36 17.9		2.4		

FEB 17d 07h 12m 17.3 ± 0.11s, SD2.99 / 14
38.07 N ± 1.12km, 106.31 E ± 1.06km, h13 ± 0.37km
Northern China (323)
M_L3.3 / 11,

LZH	2.8	226	ePn	07 13 04.0		1.7		
			Pg	07 13 06.0		−0.6		
			Sn	07 13 40.0		2.4		
			Sg	07 13 41.5		−3.3		
			SMN		$M_L=3.3$		0.5	0.12
			SME				0.5	0.15
BTO	3.8	48	Pn	07 13 14.2		−2.3		
			Pg	07 13 25.8		0.9		
			Sg	07 14 14.8		−2.5		
XAN	4.5	151	Pn	07 13 24.1		−2.2		
			Pg	07 13 37.5		0.0		
			SMN		$M_L=2.8$		0.8	0.020
			SME				0.8	0.010
TIY	4.9	92	ePg	07 13 44.8		1.5		
			SMN		$M_L=3.6$		0.6	0.090
			SME				0.6	0.050
HHC	4.9	54	Pg	07 13 45.2		0.7		
			Sg	07 14 46.8		−4.8		
			SMN		$M_L=3.7$		0.6	0.10
			SME				0.6	0.10
GTA	5.3	287	Pn	07 13 35.2		−0.9		
			Pg	07 13 52.8		2.8		
			Sn	07 14 32.6		−5.9		
			SMN		$M_L=3.3$		0.8	0.040
			SME				0.6	0.020

FEB 17d 07h 15m 05.7 ± 0.14s, SD0.93 / 79
51.70 N ± 2.42km, 174.75 E ± 1.03km, h36 ± 0.42km
Near Islands (5)
M_S5.4 / 28, m_B5.6 / 12, m_b5.6 / 10,

MDJ	30.5	275	−iP	07 21 17.0		−1.3		
			S	07 26 20.0		4.5		
			LZ		$M_S=5.0$		18.0	3.20
CN2	33.5	276	−P	07 21 43.5		−0.9		
			pP	07 21 53.0		−1.2		
			S	07 27 02.0		−0.1		
			LN		$M_S=5.3$		13.0	1.80
			LE				13.0	1.50
			LZ		$M_S=5.2$		16.0	3.70
SNY	35.7	275	+iP	07 22 03.0		−0.4		
			PP	07 23 26.0		1.8		
			S	07 27 38.0		1.6		
			LN		$M_S=5.3$		16.0	2.50
			LE				18.0	1.75
			LZ		$M_S=4.7$		18.0	1.30
DL2	38.6	272	eP	07 22 28.0		0.2		
			ePP	07 24 02.0		1.8		
			eS	07 28 25.0		3.1		
			SMN		$m_B=5.4$		10.0	0.64
			LN		$M_S=5.1$		15.0	1.08
			LE				14.0	0.91
			LZ		$M_S=4.7$		16.0	0.94
BJI	41.4	277	+P	07 22 50.0		−0.2		
			pP	07 23 00.0		−0.1		
			eS	07 29 06.0		3.7		
TIA	43.1	272	eP	07 23 04.6		−0.2		
			S	07 29 32.3		5.0		
			SMN		$m_B=5.5$		11.0	0.94
			LN		$M_S=5.2$		15.0	1.50
			LE				15.0	0.53
HHC	43.7	281	+P	07 23 10.0		0.4		
			pP	07 23 20.0		0.6		
			S	07 29 40.0		4.2		
			SMN		$m_B=5.3$		10.0	0.54
			LN		$M_S=5.2$		13.0	0.60
			LE				13.0	1.14
SSE	44.0	263	+iP	07 23 12.0		0.2		
			PMZ		$m_b=5.6$		1.5	0.13
			pP	07 23 21.0		−0.8		
			ePP	07 24 56.0		0.1		
			S	07 29 44.0		3.9		
			SMN		$m_B=5.5$		12.0	0.90
			eSS	07 32 51.0		0.6		
			LN		$M_S=5.1$		12.0	0.90
			LZ		$M_S=4.9$		16.0	1.30
NJ2	44.8	266	−P	07 23 18.8		0.6		
			LZ		$M_S=5.0$		13.0	1.26
BTO	44.8	282	+iP	07 23 19.5		1.1		
			PMZ		$m_b=6.2$		2.0	0.72
			pP	07 23 29.5		1.3		
			ePP	07 25 03.0		−0.8		
			S	07 29 55.5		3.9		
			LN		$M_S=5.6$		15.0	3.10
			LE				14.0	1.30
			LZ		$M_S=5.0$		14.0	1.30
TIY	45.1	277	+iP	07 23 21.5		0.9		
			PMZ		$m_B=5.6$		9.0	0.80
			pP	07 23 31.0		0.5		
			sP	07 23 36.0		1.3		
			PP	07 25 12.0		5.6		
			PPMZ				9.0	1.07
			iS	07 30 03.5		6.6		
			SMN		$m_B=5.9$		12.0	1.56
			SME				13.0	1.84
			LN		$M_S=5.5$		14.0	2.04
			LE				14.0	1.27
			LZ		$M_S=5.1$		16.0	1.90
WHN	48.6	269	−iP	07 23 49.0		0.6		
			PMZ		$m_b=5.6$		1.0	0.080
			sP	07 24 02.0		−0.5		
			eS	07 30 54.0		7.0		
			LE		$M_S=5.5$		18.0	3.16
			LZ		$M_S=5.0$		18.0	1.35

XAN	49.6	276	P	07	23	55.0	−1.2	
			S	07	30	58.0	−2.0	
			LE			M_S = 5.3	14.0	1.36
LZH	51.4	282	+iP	07	24	10.0	0.2	
			PMZ			m_b = 5.9	1.5	0.24
			pP	07	24	20.0	0.4	
			eS	07	31	29.0	3.1	
			SMN			m_B = 5.6	10.0	0.86
			LN			M_S = 5.6	14.0	1.94
			LE				14.0	1.85
GTA	51.7	287	+iP	07	24	11.5	−0.3	
			iS	07	31	35.5	6.0	
			LN			M_S = 5.6	17.5	2.42
			LE				16.5	2.13
			LZ			M_S = 5.2	17.0	2.16
CD2	54.9	277	−P	07	24	35.0	−1.0	
WMQ	55.7	299	+iP	07	24	41.8	0.2	
			S	07	32	27.8	4.8	
			SS	07	36	10.0	1.7	
			LN			M_S = 5.9	18.0	5.15
			LE				18.0	2.69
			LZ			M_S = 5.4	16.0	2.55
GYA	56.3	271	−P	07	24	45.2	−0.5	
			pP	07	24	55.4	−0.3	
KMI	59.7	273	+P	07	25	08.5	−1.2	
			pP	07	25	20.0	0.4	
			eS	07	33	17.0	0.4	
			LE			M_S = 5.1	17.0	0.80
LSA	63.5	285	P	07	25	35.0	−0.6	
KSH	65.0	303	+P	07	25	46.0	0.8	
			epP	07	25	56.0	0.7	
			LE			M_S = 5.7	12.0	1.80

FEB 17d 07h 53m 13.7 ± 0.10s, SD1.23 / 34
51.61 N ± 1.86km, 174.78 E ± 1.55km, h36 ± 1.10km
Near Islands (5)
M_S4.8 / 1, m_b4.9 / 1,

MDJ	30.6	275	eP	07	59	25.5	−1.1	
CN2	33.5	276	eP	07	59	52.5	−0.2	
BJI	41.4	278	eP	08	00	59.0	0.5	
HHC	43.7	282	eP	08	01	19.4	1.5	
BTO	44.8	282	eP	08	01	27.9	1.2	
TIY	45.1	277	−P	08	01	30.8	1.9	
			LE			M_S = 4.8	10.0	0.34
			LZ			M_S = 4.6	17.0	0.60
WHN	48.6	269	eP	08	01	56.7	0.2	
XAN	49.7	276	P	08	02	04.4	−0.1	
LZH	51.4	282	eP	08	02	18.5	0.4	
			PMZ			m_b = 4.9	2.0	0.030
GYA	56.3	271	P	08	02	53.4	−0.5	

FEB 17d 09h 28m 50.5 ± 0.06s, SD1.04 / 50
46.70 N ± 1.96km, 152.78 E ± 1.35km, h32 ± 0.53km
Kurile Islands (221)

MDJ	16.3	271	eP	09	32	41.0	1.7	
SNY	21.4	267	+P	09	33	37.6	−0.4	
BJI	27.2	269	eP	09	34	36.0	1.9	
TIY	30.9	268	eP	09	35	08.2	1.1	
			LZ			M_S = 4.1	16.0	0.36
WHN	33.7	255	eP	09	35	31.0	−0.2	
XAN	35.3	265	P	09	35	44.4	−0.5	
LZH	37.7	272	eP	09	36	06.0	0.9	
GTA	38.8	279	eP	09	36	14.6	0.4	
CD2	40.6	265	−P	09	36	30.3	0.5	
GYA	41.5	257	P	09	36	36.2	−0.6	
WMQ	44.7	291	eP	09	37	02.8	−0.3	
LSA	50.0	273	+P	09	37	45.3	0.1	

FEB 17d 10h 09m 22.8 ± 0.08s, SD1.25 / 47
27.71 N ± 2.05km, 54.30 E ± 1.21km, h43 ± 0.70km
Southern Iran (353)
M_g4.7 / 2, m_b5.0 / 1,

KSH	21.5	51	eP	10	14	11.0	1.1	
			pP	10	14	21.0	0.8	
			eS	10	18	03.0	2.6	
WMQ	31.3	50	P	10	15	42.0	0.8	
GTA	39.3	61	eP	10	16	50.4	0.5	
LZH	42.5	66	eP	10	17	17.0	0.7	
			PMZ			m_b = 5.0	2.0	0.050
XAN	46.8	68	P	10	17	50.5	−0.5	
BTO	47.1	59	eP	10	17	54.1	0.7	
HHC	48.3	59	eP	10	18	03.3	0.8	
TIY	49.2	63	−P	10	18	10.3	0.7	
			S	10	25	07.5	−2.6	
			LE			M_S = 4.8	10.0	0.34
			LZ			M_S = 4.8	14.0	0.71
BJI	51.9	59	eP	10	18	30.0	0.4	
CN2	58.2	54	eP	10	19	16.0	0.2	

FEB 17d 10h 51m 41.3 ± 0.24s, SD3.34 / 17
28.67 N ± 2.36km, 96.06 E ± 1.52km, h10 ± km
India–China border region (313)
M_L4.0 / 1,

LSA	4.4	285	Pn	10	52	52.0	2.7	
GYA	9.7	101	P	10	54	09.4	5.5	
LZH	9.9	40	eP	10	54	09.0	1.8	
GTA	11.2	15	eP	10	54	23.6	−0.8	
WMQ	16.5	338	P	10	55	37.2	1.9	
SNY	25.9	52	+P	10	57	16.0	0.4	

FEB 17d 12h 12m 02.5 ± 0.10s, SD1.16 / 41
4.65 S ± 0.75km, 153.16 E ± 1.27km, h49 ± 0.84km
New Britain region (192)

TIA	52.8	323	eP	12	21	15.1	−0.5	
MDJ	53.4	339	eP	12	21	18.9	−1.2	
CN2	54.3	336	eP	12	21	26.0	−0.7	
GYA	54.6	307	P	12	21	29.8	0.9	
TIY	56.6	322	−P	12	21	43.6	0.0	
XAN	56.8	316	P	12	21	43.0	−1.5	
CD2	58.9	310	eP	12	21	59.3	−0.3	
LZH	61.4	316	P	12	22	17.5	1.0	
GTA	65.8	317	+P	12	22	45.8	0.3	
WMQ	75.9	317	P	12	23	46.7	0.4	
KSH	83.1	311	eP	12	24	23.0	−2.6	

FEB 17d 12h 18m 44.8 ± 0.11s, SD1.29 / 21
10.74 S ± 0.95km, 117.39 E ± 1.13km, h53 ± 0.79km
South of Sumbawa (291)

GYA	38.4	344	P	12	26	04.8	1.4	
CD2	43.4	343	eP	12	26	43.8	−0.9	
GTA	52.5	343	eP	12	27	55.0	−0.4	
MDJ	56.2	10	eP	12	28	20.8	−1.4	

FEB 17d 14h 06m 15.3 ± 0.11s, SD1.87 / 29
53.11 N ± 3.70km, 35.16 W ± 1.78km, h10 ± 0.25km
North Atlantic Ocean (402)

KSH	70.3	50	eP	14	17	31.0	−0.5	
WMQ	71.7	40	eP	14	17	40.0	−0.4	
GTA	80.0	34	eP	14	18	26.0	−1.2	
BTO	81.9	26	eP	14	18	39.0	1.4	
BJI	84.0	22	eP	14	18	47.0	−0.9	
XAN	87.8	29	eP	14	19	07.6	0.9	
CD2	89.0	34	eP	14	19	17.0	4.3	

FEB 17d 23h 39m 24.6 ± 0.07s, SD0.97 / 95
3.87 N ± 1.00km, 126.53 E ± 1.40km, h20 ± 0.02km

Talaud Islands (263)
M_S5.3 / 41, m_B5.7 / 13, m_b5.7 / 12,

QZN	22.2	314	P	23 44 23.0	1.2			
			PP	23 44 47.0	−0.6			
			LN	M_S=5.2		15.0	3.00	
			LE			16.0	3.40	
QZH	22.3	341	P	23 44 21.5	−1.3			
			LN	M_S=5.3		18.0	7.00	
GZH	23.0	327	+iP	23 44 28.0	−1.4			
			eS	23 48 36.0	1.5			
			LN	M_S=5.3		20.0	4.26	
			LE			28.0	7.44	
SSE	27.5	350	−P	23 45 12.5	−0.2			
			PMZ	m_b=5.9		1.5	0.39	
			S	23 49 52.0	1.4			
			SMN	m_B=5.4		10.0	1.05	
			sS	23 50 08.0	5.1			
			LN	M_S=5.1		14.0	2.40	
WHN	28.9	338	+P	23 45 26.0	1.0			
			PMZ	m_b=5.9		1.0	0.23	
			pP	23 45 35.0	3.1			
			eS	23 50 14.0	0.6			
			LE	M_S=5.5		20.0	8.40	
			LZ	M_S=5.5		20.0	10.2	
NJ2	28.9	346	−iP	23 45 26.7	1.4			
			eS	23 50 10.0	−3.9			
			LN	M_S=5.0		14.0	1.22	
			LE			19.0	1.34	
			LZ	M_S=4.8		18.0	2.09	
GYA	29.4	322	P	23 45 30.6	0.8			
			S	23 50 20.0	−0.9			
			LN	M_S=5.3		16.0	2.70	
			LE			16.0	3.10	
KMI	31.1	315	−P	23 45 46.0	0.9			
			eS	23 50 43.0	−6.1			
			LN	M_S=5.2		16.0	2.80	
TIA	33.3	346	+P	23 46 03.4	−0.6			
			eS	23 51 22.0	−0.9			
			SMN	m_B=5.6		10.0	0.66	
			SME			10.0	0.95	
			eSS	23 53 31.0	6.5			
			LN	M_S=5.3		16.0	1.80	
			LE			16.0	2.10	
			LZ	M_S=4.9		16.0	1.80	
XAN	34.2	333	+iP	23 46 10.3	−1.3			
			pP	23 46 23.0	4.5			
			PP	23 47 23.0	−2.6			
			S	23 51 34.5	−1.0			
			LE	M_S=4.8		15.0	0.81	
CD2	34.4	324	eP	23 46 13.0	−0.4			
			eS	23 51 44.0	4.3			
			LE	M_S=5.4		15.0	3.30	
DL2	35.2	353	+iP	23 46 20.0	0.3			
			PMZ	m_B=6.2		4.0	1.56	
			pP	23 46 32.0	5.3			
			PcP	23 48 51.3	0.9			
			S	23 51 52.0	1.7			
			SMN			16.0	0.89	
			LE	M_S=5.1		14.0	1.37	
			LZ	M_S=4.9		18.0	2.07	
TIY	36.1	341	+iP	23 46 27.0	−0.6			
			PMZ	m_B=5.7		4.0	0.57	
			pP	23 46 36.0	1.5			
			sP	23 46 42.0	4.4			
			PP	23 47 49.0	−0.1			
			S	23 52 04.5	0.2			
			PcS	23 52 39.0	−0.4			
			LN	M_S=5.4		16.0	2.33	
			LE			16.0	3.23	
			LZ	M_S=5.2		20.0	4.23	
BJI	37.2	347	+P	23 46 37.0	0.0			
			PMZ	m_B=6.0		4.0	1.17	
			PcP	23 48 57.0	0.5			
			eS	23 52 24.0	1.3			
			ScS	23 56 52.0	4.5			
			LN	M_S=4.9		14.0	0.88	
SNY	37.9	356	+iP	23 46 43.0	0.3			
			PMZ	m_B=6.2		3.5	1.40	
			S	23 52 33.0	0.9			
			LN	M_S=5.3		25.0	1.83	
			LE			22.0	2.86	
			LZ	M_S=5.0		24.0	3.15	
LZH	38.3	330	+iP	23 46 46.5	0.3			
			PMZ	m_b=6.0		1.5	0.38	
			eS	23 52 38.0	−1.5			
			LN	M_S=5.4		20.0	3.00	
			LE			24.0	3.29	
BTO	39.5	340	eP	23 46 55.0	−1.1			
			epP	23 47 08.0	4.9			
			ePP	23 48 31.0	0.4			
			eS	23 52 53.5	−3.9			
			LN	M_S=5.3		18.0	2.60	
			LE			18.0	0.50	
			LZ	M_S=5.1		18.0	2.60	
CN2	39.8	359	+P	23 46 58.0	−0.5			
			PMZ	m_B=5.7		5.0	0.60	
			eS	23 53 03.0	1.3			
			LE	M_S=5.0		13.0	1.00	
			LZ	M_S=5.0		18.0	2.00	
MDJ	40.7	3	+P	23 47 05.2	−0.7			
			pP	23 47 12.0	−0.9			
			sP	23 47 19.0	2.9			
			S	23 53 12.0	−2.1			
			sS	23 53 27.0	0.3			
			LZ	M_S=5.3		20.0	4.40	
LSA	42.2	311	+P	23 47 19.0	0.1			
			S	23 53 35.0	−1.7			
			SME	m_B=5.9		4.0	0.86	
GTA	42.9	329	+iP	23 47 23.6	−0.6			
			LE	M_S=5.6		20.0	4.98	
			LZ	M_S=5.3		20.0	4.37	
WMQ	52.5	325	+iP	23 48 38.8	−0.4			
			S	23 56 07.0	4.7			
			ScS	23 58 25.0	1.2			
			LN	M_S=5.8		18.0	3.83	
			LE			17.0	2.28	
			LZ	M_S=5.5		17.0	3.79	
KSH	57.8	315	+iP	23 49 17.0	−1.1			
			pP	23 49 25.0	−0.1			
			eS	23 57 12.0	−3.4			
			LE	M_S=5.6		16.0	2.30	

FEB 18d 00h 22m 14.1 ± 0.06s, SD0.99 / 28
26.02 S ± 1.14km, 179.39 E ± 1.20km, h496 ± 0.82km
South of Fiji (171)

MDJ	83.7	327	eP	00 33 51.5	−0.4	
WHN	83.9	308	eP	00 33 51.5	−1.1	
CN2	85.3	324	−P	00 33 59.0	−0.5	
GYA	87.3	301	P	00 34 09.6	0.0	
BJI	88.2	317	eP	00 34 13.0	−0.4	
TIY	89.2	313	P	00 34 18.9	0.6	
XAN	89.6	308	P	00 34 20.4	0.3	
CD2	91.8	304	P	00 34 31.2	1.1	

FEB 18d 05h 04m 07.6 ± 0.10s, SD2.05 / 65
25.94 N ± 1.97km, 127.68 E ± 1.68km, h48 ± 1.44km

Ryukyu Islands (238)
M_S4.4 / 10, m_b4.6 / 2,

SSE	7.7	313	+P	05 06 00.7	1.1			
			PMZ	m_b = 4.7		1.1	0.030	
			pP	05 06 05.2	−1.1			
			LN	M_S = 3.8		12.0	0.64	
			LE			12.0	0.58	
			LZ	M_S = 4.0		16.0	1.80	
WHN	12.6	294	eP	05 07 08.0	1.1			
			eS	05 09 28.0	2.0			
			LZ	M_S = 4.1		16.0	1.20	
TIA	13.6	321	eP	05 07 23.6	3.0			
			LN	M_S = 4.2		11.0	0.56	
			LE			11.0	0.51	
			LZ	M_S = 4.1		11.0	0.75	
DL2	13.9	340	eP	05 07 29.0	5.2			
			LZ	M_S = 4.2		14.0	1.18	
SNY	16.2	349	eP	05 07 56.5	2.8			
			sP	05 08 09.0	0.1			
			eS	05 10 56.0	5.1			
			LN	M_S = 4.4		16.0	1.16	
			LZ	M_S = 4.4		14.0	1.42	
BJI	17.0	328	eP	05 08 03.5	−0.5			
			eS	05 11 05.0	−4.9			
TIY	17.4	316	+P	05 08 10.0	0.6			
			sS	05 11 37.5	2.6			
			LN	M_S = 4.4		12.0	0.56	
			LE			11.0	0.61	
			LZ	M_S = 4.4		14.0	1.19	
CN2	17.9	355	P	05 08 15.0	0.0			
XAN	18.1	301	P	05 08 16.3	−1.4			
GYA	18.9	276	P	05 08 28.8	2.1			
HHC	20.0	322	eP	05 08 40.0	0.7			
BTO	20.7	319	P	05 08 47.0	0.3			
			esP	05 09 00.0	−3.2			
			eS	05 12 31.0	0.8			
			LN	M_S = 4.4		12.0	0.40	
			LE			14.0	0.50	
			LZ	M_S = 4.2		12.0	0.60	
CD2	21.6	289	eP	05 08 53.6	−1.9			
KMI	22.5	273	eP	05 09 06.0	1.2			
LZH	22.7	302	eP	05 09 06.0	−1.0			
			PMZ	m_b = 4.4		1.5	0.030	
GTA	26.9	307	P	05 09 43.0	−3.6			
			LN	M_S = 4.4		10.5	0.24	
			LE			13.0	0.33	
WMQ	36.9	309	P	05 11 12.8	−1.2			

FEB 18d 05h 58m 52.4 ± 0.08s, SD1.03 / 67
3.81 N ± 0.97km, 126.64 E ± 1.67km, h60 ± 0.66km
Talaud Islands (263)
M_S4.5 / 1,

WHN	29.0	338	−P	06 04 49.5	0.3			
			LZ	M_S = 4.4		20.0	0.95	
GYA	29.6	322	P	06 04 54.6	0.4			
KMI	31.3	315	+P	06 05 10.5	1.1			
TIA	33.4	346	eP	06 05 27.2	−0.8			
XAN	34.3	333	+P	06 05 38.2	2.5			
CD2	34.5	324	P	06 05 36.6	−1.0			
DL2	35.2	353	eP	06 05 44.4	0.9			
TIY	36.2	341	−P	06 05 51.1	−0.4			
			LE	M_S = 4.5		10.0	0.29	
BJI	37.3	347	eP	06 06 00.5	−0.3			
SNY	38.0	356	+P	06 06 06.6	0.2			
CN2	39.8	359	eP	06 06 24.0	1.9			
MDJ	40.7	3	eP	06 06 30.5	1.1			
GTA	43.0	329	+P	06 06 47.1	−1.0			
WMQ	52.6	325	P	06 08 02.3	−0.7			

KSH	58.0	315	eP	06 08 45.0	3.1			

FEB 18d 08h 53m 35.6 ± 0.11s, SD1.28 / 45
1.90 S ± 2.43km, 166.21 E ± 2.48km, h38 ± 1.08km
Santa Cruz Islands (184)
m_b5.3 / 3,

NJ2	62.9	315	−P	09 04 00.5	−0.7			
WHN	65.3	312	eP	09 04 16.5	0.0			
DL2	65.4	323	eP	09 04 17.2	−0.2			
TIA	66.5	318	eP	09 04 23.2	−1.4			
CN2	66.7	329	+P	09 04 24.0	−1.5			
BJI	69.4	321	eP	09 04 41.0	−1.5			
TIY	70.5	317	−P	09 04 49.3	0.2			
			PMZ	m_b = 5.1		1.2	0.030	
XAN	71.0	312	+P	09 04 51.5	−0.9			
HHC	72.8	320	P	09 05 03.5	0.7			
CD2	73.5	307	eP	09 05 07.0	0.1			
BTO	73.6	319	eP	09 05 07.0	−0.8			
LZH	75.7	312	P	09 05 20.5	0.8			
			PMZ	m_b = 5.3		1.5	0.060	
GTA	80.0	314	+iP	09 05 43.9	0.4			
WMQ	90.0	315	P	09 06 33.1	−0.4			

FEB 18d 11h 19m 36.8 ± 0.10s, SD1.08 / 23
17.31 S ± 2.01km, 171.84 W ± 1.23km, h40 ± 0.42km
Tonga region (174)

CN2	83.5	320	eP	11 32 03.0	0.3
			pP	11 32 13.0	−0.6
BJI	87.9	313	eP	11 32 24.0	−0.1
TIY	89.6	310	eP	11 32 33.0	0.4
KMI	93.2	295	−P	11 32 51.0	1.7

FEB 18d 13h 52m 35.3 ± 0.26s, SD1.58 / 80
23.49 S ± 2.49km, 67.72 W ± 0.42km, h132 ± 2.21km
Northern Chile (123)

KSH	145.4	54	iPKP	14 11 59.0	0.2
			ePP	14 15 27.5	5.4
WMQ	151.4	39	ePKP	14 12 08.5	0.3
CN2	157.0	335	ePKP	14 12 15.2	−0.7
			PKP2	14 12 46.0	−2.0
LSA	160.1	67	PKP	14 12 20.2	0.1
GTA	160.9	31	iPKP	14 12 21.1	0.5
			iPKP2	14 13 04.1	−0.7
HHC	162.7	2	PKP	14 12 24.6	2.3
BJI	163.2	350	ePKP	14 12 23.0	0.4
			ePKP2	14 13 12.0	−2.6
			ePP	14 16 56.0	−4.3
			eSS	14 37 06.0	−5.5
LZH	165.5	28	ePKP	14 12 26.0	0.9
TIY	165.8	359	ePKP	14 12 25.8	0.5
			PKP2	14 13 30.0	3.9
			SS	14 37 37.5	−1.6
TIA	166.6	343	ePKP	14 12 26.1	0.3
XAN	169.1	15	PKP	14 12 27.8	0.4
CD2	169.4	44	ePKP	14 12 28.7	1.1
WHN	172.7	346	iPKP	14 12 30.5	1.1
			PP	14 17 44.0	−5.0
GYA	174.1	59	PKP	14 12 30.0	−0.6
			PKP2	14 14 02.0	−0.7
			PP	14 17 53.0	−2.9

FEB 18d 14h 33m 23.2 ± 0.09s, SD2.01 / 33
38.79 N ± 1.73km, 70.81 E ± 1.31km, h88 ± 0.70km
Afghanistan–USSR border region (717)
M_S4.3 / 2,

KSH	4.0	78	eP	14 34 26.0	1.5
WMQ	13.7	63	eP	14 36 31.0	−3.5
			pP	14 36 41.9	−5.5

			eS	14 39 04.5	−0.1		
			SS	14 39 26.2	3.5		
			LN	M_S=4.4		7.0	0.68
LSA	19.1	112	P	14 37 39.7	−2.3		
GTA	22.5	79	+P	14 38 18.4	2.0		
			LE	M_S=4.2		9.5	0.29
			LZ	M_S=4.1		11.0	0.38
CN2	40.7	65	eP	14 41 00.0	2.7		

FEB 18d 14h 47m 10.4±0.10s, SD1.06/69
3.71 N±1.16km, 126.72 E±1.74km, h36±0.75km
Talaud Islands (263)
M_S4.3/1, m_b5.0/1,

GZH	23.2	327	−P	14 52 15.0	−0.3		
SSE	27.7	350	P	14 53 00.5	2.5		
			esP	14 53 13.7	2.0		
			LN	M_S=4.3		20.0	0.46
WHN	29.1	338	−P	14 53 11.5	0.9		
NJ2	29.1	346	+P	14 53 11.5	0.8		
GYA	29.7	322	P	14 53 15.6	0.0		
TIA	33.5	346	eP	14 53 49.2	−0.1		
XAN	34.4	333	+P	14 53 55.8	−1.3		
CD2	34.7	324	P	14 53 58.0	−1.0		
DL2	35.3	353	eP	14 54 05.9	1.1		
TIY	36.3	341	−P	14 54 12.7	−0.2		
BJI	37.4	347	eP	14 54 22.0	−0.2		
SNY	38.1	356	+iP	14 54 27.9	0.2		
LZH	38.5	330	eP	14 54 32.0	0.3		
			PMZ	m_b=5.0		1.5	0.040
BTO	39.7	340	eP	14 54 41.4	0.0		
CN2	39.9	359	eP	14 54 43.0	−0.3		
LSA	42.4	311	P	14 55 04.6	0.1		
GTA	43.1	329	+P	14 55 09.0	−0.6		
			LZ	M_S=4.3		20.0	0.40
WMQ	52.7	325	eP	14 56 21.2	−3.2		
KSH	58.1	315	eP	14 57 04.0	0.7		

FEB 18d 18h 14m 11.4±0.17s, SD1.48/19
27.67 N±2.42km, 54.51 E±1.63km, h33±0.11km
Southern Iran (353)

WMQ	31.1	50	eP	18 20 30.0	0.2		
GTA	39.2	61	+P	18 21 38.6	0.2		
XAN	46.7	68	P	18 22 38.4	−1.1		
TIY	49.1	63	eP	18 22 57.1	−1.1		

FEB 18d 18h 30m 16.7±0.11s, SD1.72/11
35.95 N±1.17km, 81.12 E±1.08km, h13±0.26km
Kashmir–Tibet border region (304)
M_S4.3/1, M_L4.0/2,

KSH	5.4	312	ePn	18 31 40.0	1.9		
			Sn	18 32 45.0	2.4		
			LN	M_S=4.3		4.0	1.50
WMQ	9.3	31	eP	18 32 37.4	3.0		
			SMN			1.0	0.030
			SME			1.0	0.050

FEB 18d 19h 33m 58.0±0.07s, SD0.79/33
3.63 N±0.93km, 126.56 E±1.67km, h45±0.34km
Talaud Islands (263)

WHN	29.2	338	P	19 39 58.0	0.6		
			pP	19 40 07.0	−1.7		
XAN	34.4	334	P	19 40 42.4	−1.4		
TIY	36.3	341	eP	19 40 59.6	−0.2		
BJI	37.4	347	eP	19 41 09.0	−0.2		
SNY	38.1	356	eP	19 41 15.6	0.7		
GTA	43.1	329	eP	19 41 56.4	0.2		
WMQ	52.7	325	P	19 43 11.0	0.1		

FEB 18d 20h 00m 16.6±0.06s, SD0.85/71
3.79 N±0.87km, 126.58 E±1.77km, h33±0.12km
Talaud Islands (263)
M_S4.4/2, m_b4.6/3,

GZH	23.1	327	eP	20 05 22.0	1.5		
SSE	27.6	350	P	20 06 04.0	0.4		
			PMZ	m_b=4.5		1.0	0.010
			eS	20 10 44.0	2.2		
			sS	20 11 00.0	3.2		
			SS	20 12 08.0	7.1		
			LN	M_S=4.3		20.0	0.50
WHN	29.0	338	−P	20 06 16.5	0.5		
			LZ	M_S=4.4		20.0	0.95
NJ2	29.0	346	+P	20 06 17.0	0.8		
GYA	29.5	322	P	20 06 21.6	0.9		
XAN	34.3	333	P	20 07 01.0	−1.4		
CD2	34.5	324	eP	20 07 03.6	−0.7		
DL2	35.2	353	P	20 07 10.0	−0.5		
TIY	36.2	341	eP	20 07 18.2	−0.2		
			LE	M_S=4.4		11.0	0.24
BJI	37.3	347	eP	20 07 28.0	0.2		
SNY	38.0	356	+iP	20 07 33.6	0.1		
LZH	38.4	330	eP	20 07 37.5	0.4		
			PMZ	m_b=5.0		1.5	0.040
LSA	42.3	311	P	20 08 10.1	0.4		
GTA	43.0	329	eP	20 08 14.6	−0.4		
			LZ	M_S=4.4		20.0	0.50
WMQ	52.6	325	P	20 09 29.9	0.0		

FEB 19d 02h 33m 50.8±0.07s, SD1.00/42
51.62 N±1.72km, 174.76 E±1.13km, h32±0.35km
Near Islands (5)
m_b5.2/1,

CN2	33.5	276	eP	02 40 29.0	−1.0		
BJI	41.4	278	eP	02 41 36.0	0.1		
TIA	43.1	272	eP	02 41 50.5	0.1		
HHC	43.7	282	eP	02 41 57.0	1.7		
SSE	44.0	264	eP	02 41 58.3	0.9		
			epP	02 42 08.0	1.4		
BTO	44.8	282	eP	02 42 04.5	0.4		
TIY	45.1	277	+P	02 42 08.0	1.7		
WHN	48.6	269	P	02 42 34.7	0.7		
XAN	49.6	276	P	02 42 42.0	0.1		
LZH	51.4	282	eP	02 42 56.0	0.5		
			PMZ	m_b=5.2		2.0	0.070
GTA	51.7	288	−P	02 42 57.4	−0.2		
WMQ	55.8	299	P	02 43 27.4	−0.1		
GYA	56.3	271	P	02 43 31.2	−0.1		

FEB 19d 04h 15m 12.0±0.08s, SD1.03/88
7.47 S±1.10km, 128.23 E±1.35km, h167±0.13km
Banda Sea (280)
m_b5.9/18,

QZN	32.0	326	+P	04 21 25.0	0.3		
GZH	33.7	335	−iP	04 21 39.5	0.1		
SSE	38.9	350	−iP	04 22 23.5	−0.1		
			PMZ	m_b=5.6		1.0	0.16
			eS	04 28 08.0	−1.6		
			LZ			20.0	0.50
GYA	39.7	329	+P	04 22 31.0	1.0		
			PcP	04 24 34.6	1.4		
			ScP	04 28 09.0	4.3		
WHN	40.1	341	+iP	04 22 34.0	1.0		
			PMZ	m_b=6.3		2.0	1.63
			eS	04 28 27.0	0.4		
			SS	04 31 25.0	1.3		
NJ2	40.3	348	+iP	04 22 35.9	1.0		
			PMZ	m_b=6.1		1.5	0.69

			ScP	04 28 10.6	3.5			
KMI	40.8	323	+iP	04 22 41.0	1.7			
			PMZ	m_b = 6.1		2.0	1.00	
			sP	04 23 38.0	4.0			
			eS	04 28 36.0	−2.0			
TIA	44.7	347	+P	04 23 09.5	−0.9			
CD2	44.8	330	+iP	04 23 11.4	0.1			
			PMZ	m_b = 5.9		1.4	0.40	
			pP	04 23 43.5	−4.0			
			eS	04 29 31.0	−4.4			
XAN	45.2	337	+iP	04 23 13.5	−0.7			
DL2	46.5	353	−iP	04 23 25.0	0.0			
TIY	47.3	343	+iP	04 23 30.5	−0.6			
			PMZ	m_b = 5.6		1.0	0.16	
			sP	04 24 22.0	−4.4			
BJI	48.6	348	+P	04 23 40.0	−0.7			
			epP	04 24 20.0	2.4			
			ePcP	04 25 04.5	0.9			
			eS	04 30 24.0	−4.7			
LZH	49.0	334	+iP	04 23 45.0	0.6			
			PMZ	m_b = 6.3		1.0	0.78	
			eS	04 30 33.0	−2.4			
SNY	49.2	355	+iP	04 23 44.8	−1.1			
			S	04 30 32.0	−5.1			
BTO	50.7	342	+P	04 23 56.0	−1.0			
			eS	04 31 00.0	1.6			
CN2	51.1	357	+P	04 23 58.5	−1.5			
LSA	51.3	318	+iP	04 24 02.3	0.0			
MDJ	51.9	1	+P	04 24 05.0	−0.7			
			PMZ	m_b = 5.9		2.0	0.50	
			eS	04 31 12.0	−2.1			
			LZ			24.0	0.60	
GTA	53.6	333	+iP	04 24 18.8	0.4			
			pP	04 24 53.2	−2.6			
			PMZ	m_b = 6.0		2.5	0.76	
			eS	04 31 37.0	−0.4			
			LN			16.0	0.61	
			LE			18.0	0.60	
WMQ	62.8	328	+iP	04 25 21.2	−1.7			
			pP	04 25 56.3	−5.1			
			PcP	04 26 00.0	1.3			
			S	04 33 37.2	0.9			
KSH	67.2	318	P	04 25 52.0	0.8			
			pP	04 26 26.0	−4.1			
			eS	04 34 35.0	3.5			

FEB 19d 11h 39m 22.4 ± 0.08s, SD1.38 / 50
43.08 N ± 2.19km, 146.06 E ± 1.61km, h32 ± 0.52km
Hokkaido region (224)

MDJ	12.0	283	eP	11 42 14.5	0.3			
SNY	16.6	273	eP	11 43 13.2	−1.7			
DL2	18.9	266	eP	11 43 42.0	−0.9			
BJI	22.5	272	eP	11 44 20.0	−0.9			
TIA	23.2	263	eP	11 44 27.5	−0.5			
NJ2	24.1	252	eP	11 44 37.8	1.3			
TIY	26.1	270	eP	11 44 57.0	1.9			
			LZ	M_S = 4.2		15.0	0.47	
BTO	26.8	277	eP	11 45 02.0	−0.4			
WHN	28.1	254	P	11 45 15.0	1.0			
XAN	30.2	265	−P	11 45 28.6	−4.0			
GTA	34.6	280	P	11 46 10.8	−0.5			
GYA	36.0	256	P	11 46 23.0	0.2			
WMQ	41.6	292	P	11 47 10.3	0.7			

FEB 19d 14h 07m 44.4 ± 0.08s, SD0.88 / 65
33.38 N ± 0.90km, 137.48 E ± 0.65km, h372 ± 1.20km
South-east of Shikoku (237)

MDJ	12.8	334	eP	14 10 35.9	−0.3			
SNY	13.9	311	eP	14 10 48.0	−0.5			
CN2	14.0	321	−P	14 10 49.4	−0.8			
NJ2	15.7	270	+P	14 11 08.0	−0.4			
TIA	17.0	285	−P	14 11 20.9	−0.1			
BJI	18.3	297	eP	14 11 35.0	0.4			
WHN	19.8	268	+iP	14 11 50.5	1.0			
TIY	20.8	289	+iP	14 12 01.2	1.9			
HHC	21.9	297	eP	14 12 10.8	0.9			
BTO	23.0	296	eP	14 12 21.0	0.8			
XAN	23.7	280	−P	14 12 26.5	−0.1			
GYA	27.5	264	P	14 13 00.2	−0.5			
CD2	28.6	274	−P	14 13 09.4	−0.7			
GTA	30.8	292	eP	14 13 28.4	−0.6			
KMI	31.3	264	+P	14 13 33.5	−0.3			
WMQ	39.7	300	P	14 14 45.2	0.8			

FEB 19d 17h 45m 00.3 ± 0.07s, SD1.73 / 74
33.54 N ± 1.03km, 94.94 E ± 0.84km, h32 ± 0.08km
Qinghai Province (325)
M_S4.4 / 21, m_b4.7 / 4,

LSA	5.0	221	Pn	17 46 18.0	3.8			
			LE	M_S = 4.4		5.0	3.02	
GTA	7.1	32	−iPn	17 46 45.0	3.1			
			LZ	M_S = 4.0		9.0	0.93	
LZH	7.8	68	ePn	17 46 54.5	2.9			
			PMZ	m_b = 4.8		2.5	0.11	
			LN	M_S = 4.4		6.0	0.82	
			LE			6.0	1.33	
CD2	7.9	107	eP	17 46 58.6	2.5			
			LE	M_S = 4.7		7.0	3.43	
KMI	10.8	139	eP	17 47 35.0	−1.1			
XAN	11.6	84	+P	17 47 47.0	−0.5			
			LE	M_S = 4.5		8.0	1.22	
WMQ	11.7	333	P	17 47 48.3	0.0			
			eS	17 49 53.0	−6.1			
			SS	17 50 17.4	4.5			
			LN	M_S = 4.3		8.0	0.90	
			LZ	M_S = 4.1		14.0	1.12	
GYA	12.4	122	P	17 47 56.0	−1.3			
			pP	17 48 02.8	−1.3			
			S	17 50 11.0	−3.5			
			LN	M_S = 4.8		8.0	1.90	
			LE			8.0	1.10	
BTO	13.9	55	eP	17 48 16.5	−1.6			
			LN	M_S = 4.3		10.0	0.60	
			LE			10.0	0.40	
TIY	14.8	69	eP	17 48 28.2	−1.5			
			PMZ	m_b = 4.5		1.0	0.010	
			pP	17 48 35.8	−0.9			
			sP	17 48 43.0	1.6			
			SS	17 51 32.5	1.9			
			LN	M_S = 4.4		11.0	0.62	
			LE			8.0	0.55	
			LZ	M_S = 4.2		10.0	0.76	
WHN	16.7	95	P	17 48 57.0	3.0			
			LN	M_S = 4.6		9.0	0.99	
			LZ	M_S = 4.1		14.0	0.77	
BJI	18.2	63	eP	17 49 14.5	2.3			
TIA	18.4	75	P	17 49 15.6	0.8			
NJ2	20.2	88	−P	17 49 34.6	−0.2			
DL2	22.2	68	eP	17 49 57.3	2.1			
SSE	22.3	89	eP	17 49 57.5	0.9			
			PMZ	m_b = 4.6		1.0	0.030	
			esS	17 54 10.0	0.6			
			LN	M_S = 4.6		10.0	0.50	
			LE			11.0	0.60	
			LZ	M_S = 4.5		16.0	1.40	
SNY	24.0	62	−P	17 50 15.0	1.3			

CN2	25.8	58	−P	17 50 30.5	0.0			

FEB 19d 19h 07m 42.6 ± 0.10s, SD1.10 / 83
10.16 S ± 1.25km, 161.48 E ± 1.59km, h93 ± 0.86km
Solomon Islands (193)
m_B5.7 / 6, m_b5.1 / 4,

QZH	54.4	311	eP	19 17 05.5	2.4			
			pP	19 17 25.5	0.0			
			eS	19 24 35.0	1.8			
			SMN	m_B = 5.7		6.0	0.67	
			sS	19 25 12.0	−0.1			
			LN			24.0	1.62	
SSE	56.3	318	eP	19 17 16.0	−0.8			
			pP	19 17 34.6	−4.7			
			S	19 24 59.0	1.7			
			sS	19 25 36.0	−1.6			
			LN			14.0	0.80	
			LZ			20.0	1.40	
GZH	57.5	306	eP	19 17 27.0	1.8			
NJ2	58.5	318	eP	19 17 32.2	0.4			
			S	19 25 28.0	2.6			
QZN	58.6	300	eP	19 17 30.0	−2.5			
WHN	60.7	314	eP	19 17 47.6	0.6			
			pP	19 18 09.0	−0.9			
			eS	19 26 00.0	4.8			
			sS	19 26 36.0	1.4			
			LZ			44.0	3.84	
DL2	61.3	325	eP	19 17 51.0	−0.1			
			pP	19 18 14.0	0.0			
			PcP	19 18 37.0	5.3			
			eS	19 26 06.0	3.2			
			SMN	m_B = 5.8		6.0	0.83	
			esS	19 26 43.0	0.7			
			LZ			32.0	1.92	
MDJ	61.7	335	eP	19 17 53.5	−0.1			
			pP	19 18 16.5	0.0			
			iS	19 26 10.0	2.4			
			LZ			32.0	3.60	
TIA	62.2	320	eP	19 17 57.5	0.3			
			sP	19 18 31.5	0.7			
			eS	19 26 14.0	−0.2			
			LN			20.0	1.48	
SNY	62.3	329	eP	19 18 00.4	2.4			
			S	19 26 16.0	1.4			
			SMN	m_B = 5.7		10.0	1.27	
			sS	19 26 55.0	−0.5			
			LN			35.0	4.23	
			LE			32.0	2.99	
			LZ			24.0	2.89	
CN2	62.9	331	eP	19 18 01.4	−0.4			
			pP	19 18 23.0	−1.7			
			eS	19 26 20.0	−2.9			
			LN			13.0	0.60	
			LZ			22.0	1.30	
GYA	64.5	306	P	19 18 12.4	0.2			
			pP	19 18 31.0	−4.0			
			S	19 26 46.0	4.8			
BJI	65.2	323	eP	19 18 16.0	−0.8			
			pP	19 18 36.0	−3.9			
			eS	19 26 48.0	−3.4			
			esS	19 27 28.0	−3.3			
TIY	66.1	319	eP	19 18 23.4	0.7			
			pP	19 18 42.0	−3.7			
			S	19 27 05.0	3.9			
			LE			14.0	0.91	
			LZ			16.0	1.54	
XAN	66.5	314	P	19 18 23.6	−1.3			
			pP	19 18 48.0	0.1			
			S	19 27 06.0	0.6			
KMI	67.1	303	+P	19 18 31.0	1.9			
			pP	19 18 52.0	0.0			
			S	19 27 19.5	6.4			
			LZ			20.0	1.00	
CD2	68.8	309	eP	19 18 39.2	0.0			
			eS	19 27 35.0	0.6			
BTO	69.3	320	eP	19 18 42.5	−0.1			
			pP	19 19 05.5	−0.3			
			S	19 27 41.0	1.6			
			sS	19 28 20.0	−0.8			
			LN			19.0	0.90	
			LE			19.0	1.20	
LZH	71.1	314	eP	19 18 54.5	1.0			
			PMZ	m_b = 5.2		2.0	0.070	
			pP	19 19 17.0	0.3			
			eS	19 28 00.0	−1.8			
GTA	75.4	315	P	19 19 19.0	0.0			
			pP	19 19 37.6	−4.8			
			eS	19 28 55.0	4.1			
			sS	19 29 29.0	−2.4			
			SS	19 33 48.0	4.5			
			LN			17.0	0.84	
			LZ			26.0	0.78	
LSA	78.3	303	eP	19 19 36.1	0.6			
WMQ	85.5	316	eP	19 20 12.9	0.6			
			pP	19 20 34.3	−1.9			
			S	19 30 36.0	2.6			
			sS	19 31 10.0	−6.6			
			LZ			28.0	1.88	

FEB 19d 22h 37m 10.7 ± 0.12s, SD0.82 / 68
52.85 N ± 1.44km, 158.22 E ± 1.04km, h122 ± 0.58km
Kamchatka (217)
m_B5.3 / 4, m_b5.1 / 4,

MDJ	20.5	258	−P	22 41 41.7	0.7			
			pP	22 42 04.0	0.2			
			sP	22 42 24.0	4.1			
			S	22 45 20.0	2.1			
			sS	22 45 56.0	1.2			
			LZ			12.0	2.80	
CN2	23.4	260	eP	22 42 09.0	−0.7			
			PMZ	m_B = 5.2		4.0	0.40	
			pP	22 42 34.5	−0.3			
			eS	22 46 07.0	−3.7			
			sS	22 46 51.5	−2.6			
SNY	25.7	259	−iP	22 42 31.0	−0.3			
			pP	22 42 52.0	−4.8			
			S	22 46 45.0	−3.1			
			LN			26.0	2.01	
DL2	28.7	256	eP	22 43 00.0	1.4			
			eS	22 47 38.0	0.6			
			LZ			40.0	1.92	
BJI	31.2	263	eP	22 43 20.5	−0.4			
			pP	22 43 45.0	−2.3			
			eS	22 48 16.0	−1.2			
			ScP	22 49 45.0	2.5			
			ScS	22 53 41.0	2.4			
TIA	33.1	256	P	22 43 37.0	−0.7			
BTO	34.6	269	eP	22 43 50.0	−0.2			
			pP	22 44 18.0	1.1			
			ePP	22 45 11.0	1.4			
			eS	22 49 09.0	−1.0			
			eSS	22 51 30.0	1.4			
			LN			13.0	0.50	
			LE			13.0	0.50	
TIY	34.9	263	eP	22 43 53.2	0.0			
			pP	22 44 20.0	0.1			

			sP	22 44 33.0	−1.4			
			PP	22 45 15.0	1.1			
			PPMZ			8.0	0.66	
			S	22 49 21.0	6.8			
			SME	m_B=4.9		6.0	0.22	
			LE			14.0	0.82	
			LZ			15.0	0.94	
NJ2	35.1	249	+P	22 43 54.0	−0.5			
WHN	38.8	253	eP	22 44 25.0	−0.5			
			iScP	22 50 14.0	4.3			
			iScS	22 54 22.0	2.4			
XAN	39.5	262	P	22 44 31.6	0.2			
QZH	40.8	242	eP	22 44 41.0	−0.5			
LZH	41.2	268	+iP	22 44 47.0	1.6			
			PMZ	m_b=5.4		2.0	0.12	
			pP	22 45 15.0	2.5			
			sP	22 45 26.0	−0.9			
GTA	41.5	275	P	22 44 48.3	0.4			
			pP	22 45 16.0	1.0			
			sP	22 45 28.6	−0.8			
			PP	22 46 29.0	1.1			
			PcP	22 46 44.8	1.7			
			ScP	22 50 23.7	3.4			
			eS	22 50 53.0	−1.4			
			ScS	22 54 36.4	0.9			
			LE			13.0	0.40	
			LZ			12.0	0.70	
WMQ	46.0	288	P	22 45 24.0	0.2			
			pP	22 45 52.0	0.6			
			S	22 51 57.5	−0.3			
			LE			8.0	0.72	
GYA	46.3	256	P	22 45 26.0	−0.7			
KMI	49.7	258	+P	22 45 52.5	−0.1			
QZN	50.3	247	eP	22 45 59.4	2.2			

FEB 19d 23h 17m 14.2±0.10s, SD1.53/87
18.37 N±1.53km, 95.02 E±1.31km, h67±0.36km
Burma (296)
M_S4.8/30, m_B5.3/4, m_b5.2/7,

KMI	9.8	46	+iP	23 19 40.0	4.4			
			sP	23 19 56.0	1.0			
			LN	M_S=4.1		10.0	1.00	
LSA	11.8	343	P	23 19 59.6	−3.1			
			S	23 22 09.0	−3.9			
GYA	13.4	51	P	23 20 24.6	0.8			
			pP	23 20 35.0	−0.9			
			S	23 22 51.0	−0.5			
			LN	M_S=4.9		10.0	2.60	
			LE			10.0	2.50	
QZN	14.1	85	eP	23 20 33.8	2.0			
			LN	M_S=4.6		12.5	1.40	
			LE			10.0	1.20	
CD2	14.8	31	eP	23 20 42.1	0.8			
			eS	23 23 30.0	5.9			
			LE	M_S=4.8		7.0	1.71	
GZH	17.8	72	+iP	23 21 20.0	1.2			
			LE	M_S=5.0		10.0	2.50	
LZH	19.3	22	P	23 21 36.5	−0.3			
			PMZ	m_b=5.5		1.5	0.36	
			eS	23 25 11.0	4.6			
			sS	23 25 32.0	3.2			
			LN	M_S=4.6		28.0	2.82	
XAN	19.9	36	+P	23 21 41.7	−2.0			
			pP	23 21 52.6	−4.9			
			sP	23 22 01.6	−4.8			
			S	23 25 15.0	−3.8			
			LE	M_S=4.8		6.0	0.85	
WHN	21.3	52	P	23 21 58.0	0.2			
			eS	23 25 46.0	0.1			
			LN	M_S=4.9		8.0	1.38	
			LZ	M_S=4.6		16.0	1.80	
GTA	21.4	10	+iP	23 21 57.5	−0.9			
			S	23 25 51.5	5.4			
			SS	23 26 29.5	5.0			
			ScS	23 33 13.6	1.2			
			LN	M_S=4.5		22.0	0.91	
			LE			20.0	0.93	
QZH	22.8	69	+P	23 22 13.0	0.2			
			pP	23 22 28.5	0.5			
			eS	23 26 15.0	1.7			
			LN	M_S=4.6		12.0	0.82	
TIY	24.6	35	−P	23 22 30.1	0.5			
			PMZ	m_b=5.2		0.8	0.080	
			pP	23 22 47.0	2.2			
			SME	m_B=5.0		6.0	0.22	
			LN	M_S=4.7		8.0	0.61	
			LZ	M_S=4.5		24.0	1.62	
NJ2	25.4	53	+P	23 22 36.6	−1.1			
BTO	25.6	27	P	23 22 39.0	−0.8			
			esP	23 22 59.0	−4.5			
			PP	23 23 23.0	1.6			
			eS	23 27 00.0	−1.2			
			LN	M_S=4.6		11.0	0.40	
			LE			11.0	0.50	
WMQ	26.1	348	+P	23 22 44.7	0.6			
			pP	23 23 01.0	1.6			
			sP	23 23 10.0	2.1			
			S	23 27 14.0	6.2			
			ScS	23 33 33.0	2.2			
			LN	M_S=4.6		11.0	0.56	
HHC	26.5	29	−P	23 22 47.8	−0.2			
KSH	26.8	326	eP	23 22 52.0	1.6			
			epP	23 23 06.0	0.2			
			eS	23 27 22.5	2.5			
SSE	26.9	57	P	23 22 50.0	−0.9			
			PMZ	m_b=4.9		1.0	0.030	
			pP	23 23 07.5	1.1			
			SME			16.0	0.88	
			LN	M_S=4.9		10.0	1.00	
			LZ	M_S=4.1		24.0	0.60	
BJI	28.3	36	eP	23 23 03.5	−0.3			
			epP	23 23 20.0	0.7			
			eS	23 27 44.0	0.1			
DL2	30.9	43	eP	23 23 29.0	2.3			
			epP	23 23 47.5	5.0			
			LZ	M_S=4.6		18.0	1.18	
SNY	33.7	40	eP	23 23 50.6	−1.2			
			eS	23 29 08.0	−1.8			
			LE	M_S=4.8		23.0	1.26	
			LZ	M_S=4.5		26.0	1.14	
CN2	36.0	39	eP	23 24 10.0	−1.2			
MDJ	38.9	40	eP	23 24 37.7	1.9			
			eS	23 30 31.0	1.5			

FEB 20d 01h 25m 57.4±0.07s, SD0.96/97
7.17 S±1.08km, 127.02 E±1.25km, h312±0.54km
Banda Sea (280)
m_B6.2/61, m_b6.0/9,

QZN	31.1	327	+P	01 31 49.0	−0.3			
			pP	01 32 49.5	0.5			
			S	01 36 25.0	−5.3			
			sS	01 38 19.0	1.6			
			LN			12.0	5.80	
			LE			12.0	3.50	
GZH	32.9	336	+P	01 32 05.8	0.6			
			PMZ	m_B=6.2		4.0	4.03	

			pP	01 33 07.0	1.4			
			S	01 36 55.0	−4.1			
			SMN	$m_B = 6.2$		11.0	8.70	
			SME			10.0	3.30	
			sS	01 38 44.5	−2.5			
			LN			17.0	10.5	
			LE			15.0	8.80	
QZH	33.0	346	−iP	01 32 05.5	−0.1			
			PMZ	$m_B = 6.2$		5.0	4.75	
			pP	01 33 07.0	1.0			
			iS	01 37 00.0	−0.7			
			SMN	$m_B = 6.3$		10.0	10.7	
			sS	01 38 50.0	2.2			
SSE	38.5	352	+iP	01 32 51.8	0.1			
			PMZ	$m_B = 6.0$		4.0	3.51	
			pP	01 33 55.0	1.4			
			sP	01 34 24.0	−4.8			
			PP	01 34 29.0	−0.6			
			PcP	01 34 55.0	−3.0			
			ScP	01 38 12.0	−2.3			
			S	01 38 22.0	−1.3			
			SME	$m_B = 6.0$		7.0	3.97	
			PcS	01 38 52.0	6.5			
			sS	01 40 10.0	−3.3			
			ScS	01 42 27.0	2.4			
			LN			11.0	3.13	
			LZ			16.0	5.30	
GYA	38.8	330	−P	01 32 55.6	0.7			
			pP	01 33 59.0	2.2			
			PP	01 34 39.0	5.2			
			ScP	01 38 17.0	1.2			
			S	01 38 28.0	−0.8			
			sS	01 40 22.0	3.0			
			ScS	01 42 29.6	2.8			
			LN			12.0	7.70	
			LE			12.0	7.00	
WHN	39.4	343	−iP	01 33 01.0	1.4			
			PMZ	$m_B = 6.5$		4.0	9.60	
			pP	01 34 04.0	2.2			
			ScP	01 38 20.0	1.9			
			S	01 38 38.0	0.4			
			SMN	$m_B = 6.2$		8.0	5.53	
			sS	01 40 28.0	0.0			
			iScS	01 42 30.0	−0.3			
			LZ			18.0	7.40	
NJ2	39.8	349	−iP	01 33 03.0	0.5			
			PMZ	$m_B = 5.9$		4.0	2.72	
			ipP	01 34 06.0	1.2			
			sP	01 34 43.0	3.2			
			iScP	01 38 20.8	1.3			
			iS	01 38 40.5	−3.3			
			sS	01 40 31.0	−2.4			
KMI	39.9	324	−iP	01 33 05.0	1.5			
			PMZ	$m_B = 6.2$		4.0	5.10	
			pP	01 34 06.0	0.5			
			sP	01 34 41.5	1.0			
			ScP	01 38 23.0	3.2			
			iS	01 38 46.0	0.4			
			LN			7.0	6.70	
			sS	01 40 36.5	1.7			
			ScS	01 42 38.0	5.1			
CD2	43.9	331	−P	01 33 36.2	0.0			
			pP	01 34 42.0	2.6			
			iS	01 39 41.0	−3.3			
			SMN	$m_B = 6.6$		7.0	10.4	
			sS	01 41 39.0	3.2			
			SS	01 43 00.0	−1.2			
			LE			13.0	12.2	
TIA	44.1	348	−P	01 33 36.7	−1.1			
			PMZ	$m_B = 5.7$		5.0	2.28	
			esP	01 35 18.0	2.3			
			ScP	01 38 39.0	2.1			
			SMN	$m_B = 6.4$		9.0	6.11	
			SME			11.0	5.30	
XAN	44.4	338	−iP	01 33 39.5	−0.6			
			pP	01 34 44.0	0.6			
			PcP	01 35 21.0	3.2			
			PP	01 35 30.0	1.5			
			S	01 39 47.0	−3.3			
			sS	01 41 43.0	−0.1			
			ScS	01 42 56.0	−4.9			
			SS	01 43 03.0	−6.9			
			LE			12.0	2.04	
DL2	46.1	354	−iP	01 33 53.0	−0.3			
			PMZ	$m_B = 6.1$		4.0	3.77	
			pP	01 34 58.0	0.9			
			PcS	01 39 15.0	−1.2			
			S	01 40 13.0	−1.1			
			SMN	$m_B = 6.5$		10.0	4.79	
			SME			9.0	5.37	
			sS	01 42 04.0	−3.7			
			iScS	01 43 10.0	−1.8			
			LN			12.0	2.70	
			LE			12.0	2.71	
			LZ			17.0	4.13	
TIY	46.7	344	−iP	01 33 57.0	−0.8			
			PMZ	$m_B = 5.8$		5.0	2.46	
			pP	01 35 00.0	−1.7			
			sP	01 35 40.0	3.8			
			PP	01 35 53.0	1.8			
			PPMZ			6.0	1.21	
			iS	01 40 20.0	−3.3			
			SMN	$m_B = 6.2$		10.0	2.46	
			SME			9.0	2.50	
			sS	01 42 15.0	−0.9			
			ScS	01 43 17.0	1.4			
			SS	01 43 47.0	−2.0			
BJI	48.0	349	−P	01 34 07.0	−1.1			
			PMZ	$m_B = 5.8$		5.0	2.63	
			pP	01 35 12.0	−0.5			
			PcP	01 35 31.0	0.4			
			sP	01 35 42.0	−4.9			
			eS	01 40 38.0	−4.0			
			esS	01 42 30.0	−5.4			
			eScS	01 43 27.0	2.6			
LZH	48.2	335	−iP	01 34 10.5	0.7			
			PMZ	$m_b = 6.2$		1.0	1.16	
			pP	01 35 18.0	3.9			
			ScP	01 38 57.0	3.1			
			S	01 40 45.0	1.3			
			LN			15.0	4.80	
			LE			15.0	3.90	
SNY	48.9	357	−iP	01 34 13.0	−1.4			
			PMZ	$m_B = 6.2$		4.0	4.60	
			pP	01 35 21.0	1.9			
			PcP	01 35 36.0	2.4			
			sP	01 35 49.5	−3.9			
			S	01 40 46.0	−6.4			
			SMN			26.0	11.1	
			SME			19.0	10.3	
			sS	01 42 45.0	−2.3			
			ScS	01 43 25.0	−5.0			
HHC	49.9	345	−iP	01 34 22.0	0.0			
			pP	01 35 31.0	4.1			
			sP	01 36 04.0	3.0			
			iS	01 41 07.0	−0.4			

			SMN		$m_B = 6.4$		8.0	2.81
			SME				8.0	2.67
			LN				15.0	3.63
			LE				15.0	3.54
BTO	50.0	343	–iP	01 34 23.0		–0.5		
			PMZ		$m_B = 5.8$		5.0	2.30
			pP	01 35 29.0		0.6		
			sP	01 36 05.0		2.5		
			iS	01 41 10.0		0.0		
			SMN		$m_B = 6.3$		10.0	2.20
			SME				10.0	2.80
			sS	01 43 03.0		–1.0		
			ScS	01 43 40.0		2.0		
			SS	01 44 45.0		0.1		
			LN				13.0	2.10
			LE				13.0	1.90
			LZ				13.0	1.90
LSA	50.3	319	–P	01 34 25.4		–0.4		
			pP	01 35 32.0		1.5		
			S	01 41 09.5		–3.0		
			SME		$m_B = 6.5$		11.0	6.23
CN2	50.8	359	–iP	01 34 28.0		–0.6		
			PMZ		$m_B = 5.8$		6.0	3.00
			pP	01 35 35.0		1.2		
			eScP	01 39 04.0		–0.6		
			iS	01 41 17.0		–2.5		
			SME		$m_B = 6.2$		9.0	2.90
			iScS	01 43 44.0		1.2		
MDJ	51.6	2	–iP	01 34 36.0		1.2		
			pP	01 35 42.0		1.6		
			sP	01 36 12.0		–2.4		
			iS	01 41 30.0		–1.0		
			SME				16.0	26.0
			sS	01 43 24.0		–1.7		
			ScS	01 43 50.0		1.3		
			SS	01 45 10.0		0.2		
			LZ				20.0	9.40
GTA	52.8	334	–iP	01 34 42.8		–0.7		
			PMZ		$m_B = 5.7$		6.0	2.04
			pP	01 35 48.2		–1.0		
			PcP	01 35 51.0		3.0		
			ScP	01 39 15.6		2.4		
			iS	01 41 45.2		–1.6		
			SMN		$m_B = 6.4$		8.0	4.64
			sS	01 43 35.5		–6.3		
			ScS	01 43 57.5		0.8		
			SS	01 45 23.5		–5.2		
			LN				18.0	13.5
WMQ	62.0	329	–iP	01 35 47.0		–0.2		
			PcP	01 36 25.2		1.1		
			pP	01 36 56.2		0.5		
			ScP	01 39 56.0		2.2		
			iS	01 43 46.0		–0.1		
			SMN				1.0	7.65
			ScS	01 45 06.2		2.5		
			sS	01 45 48.0		3.4		
			SS	01 48 00.0		5.3		
			LN				11.0	2.79
KSH	66.2	319	–iP	01 36 14.0		–0.6		
			PMZ		$m_B = 6.3$		4.0	3.10
			pP	01 37 26.0		1.9		
			iS	01 44 40.0		1.7		
			esS	01 46 44.0		5.7		
			LN				14.0	3.60

FEB 20d 12h 51m 34.0 ± 0.07s, SD1.22 / 10
6.09 N ± 0.65km, 125.71 E ± 1.74km, h140 ± 0.30km
Mindanao (259)

XAN	31.9	333	P	12 57 47.6	–0.9		
CN2	37.6	360	eP	12 58 37.0	0.2		
GTA	40.6	329	eP	12 59 02.1	0.3		
			PcP	13 01 01.7	0.5		

FEB 20d 15h 27m 10.1 ± 0.15s, SD2.78 / 23
36.40 N ± 3.38km, 141.78 E ± 2.63km, h22 ± 0.78km
Near east coast of Honshu (228)
M_S3.5 / 1,

MDJ	12.4	315	eP	15 30 12.0	3.7		
BJI	20.4	288	eP	15 31 49.5	0.6		
TIY	23.4	282	eP	15 32 20.3	1.3		
			LZ	$M_S = 4.0$		18.0	0.48
GTA	33.0	288	eP	15 33 46.4	–0.4		
WMQ	41.4	298	P	15 34 58.0	0.9		

FEB 20d 22h 11m 59.0 ± 0.06s, SD0.99 / 88
46.86 N ± 1.90km, 152.54 E ± 1.39km, h49 ± 0.62km
Kurile Islands (221)
M_S5.0 / 25, m_B5.4 / 7, m_b5.5 / 12,

MDJ	16.2	270	eP	22 15 45.7	1.1		
			sP	22 15 56.0	–4.1		
			S	22 18 43.0	2.3		
			LZ	$M_S = 5.0$		20.0	8.30
CN2	19.3	271	eP	22 16 19.4	–2.9		
			sP	22 16 35.0	–3.4		
			eS	22 19 50.0	–1.2		
			LE	$M_S = 5.0$		16.0	3.40
			LZ	$M_S = 4.8$		18.0	4.10
SNY	21.2	267	+iP	22 16 42.4	–0.9		
			sP	22 16 59.0	–1.3		
			eS	22 20 27.0	–4.2		
			SMN	$m_B = 5.4$		8.0	0.65
			SME			9.0	0.63
			LE	$M_S = 5.1$		18.0	4.23
			LZ	$M_S = 5.0$		18.0	4.66
DL2	23.9	262	eP	22 17 10.0	0.8		
			PMZ	$m_B = 5.6$		4.0	1.13
			pP	22 17 24.0	3.0		
			sP	22 17 31.0	4.7		
			PcP	22 20 52.0	0.2		
			S	22 21 20.0	2.0		
			SME	$m_B = 5.4$		7.0	0.66
			LN	$M_S = 4.6$		15.0	1.08
			LZ	$M_S = 4.4$		26.0	1.60
BJI	27.1	269	eP	22 17 39.5	0.1		
			ePP	22 18 30.0	4.2		
			eS	22 22 10.0	–1.9		
			LE	$M_S = 5.1$		15.0	2.30
			LZ	$M_S = 5.2$		20.0	6.37
TIA	28.3	261	P	22 17 50.7	–0.1		
			LE	$M_S = 5.1$		18.0	2.56
SSE	28.8	248	–P	22 17 54.0	–0.6		
			PMZ	$m_b = 5.1$		1.0	0.040
			sP	22 18 10.0	–1.9		
			eS	22 22 34.0	–4.9		
			LN	$M_S = 4.4$		16.0	0.50
			LZ	$M_S = 4.6$		20.0	1.40
NJ2	29.7	252	+P	22 18 02.3	–0.1		
			PcP	22 21 05.8	0.5		
			LN	$M_S = 5.0$		12.0	0.71
			LE			15.0	1.24
			LZ	$M_S = 5.0$		16.0	2.65
HHC	29.9	274	–P	22 18 04.6	–0.1		
			eS	22 22 56.5	–0.6		
			LN	$M_S = 5.1$		16.0	1.70
			LE			15.0	1.28
TIY	30.8	267	+iP	22 18 12.5	0.1		

			PMZ		$m_b = 5.5$		1.0	0.080
			sP	22 18 33.0		3.3		
			S	22 23 12.0		2.4		
			LN		$M_S = 5.2$		16.0	1.68
			LE				17.0	2.10
			LZ		$M_S = 4.9$		21.0	2.80
BTO	31.1	274	P	22 18 14.0		−1.1		
			esP	22 18 37.5		5.2		
			eS	22 23 14.0		−1.4		
			eSS	22 25 02.0		0.8		
			LN		$M_S = 5.1$		15.0	2.00
			LE				16.0	1.00
			LZ		$M_S = 4.8$		16.0	1.70
WHN	33.6	255	+iP	22 18 36.5		−0.4		
			PMZ		$m_b = 5.7$		0.7	0.080
			PcP	22 21 17.0		1.2		
			eS	22 23 53.0		−1.5		
			LZ		$M_S = 4.7$		18.0	1.20
QZH	34.7	243	eP	22 18 46.0		−0.8		
XAN	35.1	265	+iP	22 18 50.2		−0.1		
			S	22 24 14.0		−3.7		
			LE		$M_S = 4.9$		12.0	0.77
LZH	37.5	271	P	22 19 11.0		0.7		
			PMZ		$m_b = 5.9$		1.0	0.19
			LN		$M_S = 5.1$		16.0	1.16
			LE				22.0	1.57
GTA	38.6	279	+iP	22 19 19.3		0.1		
			PcP	22 21 31.6		1.0		
			eS	22 25 14.4		3.0		
			PcS	22 25 20.3		1.8		
			LN		$M_S = 4.9$		16.0	0.95
			LZ		$M_S = 4.8$		16.0	1.07
GZH	39.3	247	+P	22 19 26.0		0.5		
CD2	40.5	265	+iP	22 19 35.6		0.4		
			PMZ		$m_b = 6.2$		1.0	0.36
			eS	22 25 40.0		−0.3		
GYA	41.4	257	+P	22 19 42.2		−0.1		
			PcP	22 21 40.8		1.3		
			S	22 25 52.2		0.3		
WMQ	44.5	291	+P	22 20 08.0		0.0		
			PcP	22 21 51.0		0.9		
			PcS	22 25 43.5		1.3		
			eS	22 26 42.0		2.7		
			LE		$M_S = 5.3$		15.0	1.62
QZN	44.5	246	eP	22 20 09.4		1.3		
KMI	44.9	259	+P	22 20 11.0		−0.1		
			PMZ		$m_b = 5.8$		4.0	0.60
			pP	22 20 25.0		1.8		
			eS	22 26 42.0		−2.7		
			LZ		$M_S = 4.9$		20.0	1.30
LSA	49.9	273	+iP	22 20 50.8		0.4		
KSH	54.3	292	eP	22 21 23.0		−0.1		

FEB 21d 01h 05m 13.4 ± 0.06s, SD0.94 / 66
28.90 N ± 1.28km, 139.40 E ± 1.12km, h437 ± 0.51km
Bonin Islands region (212)
m_b5.0 / 6,

SSE	15.9	282	eP	01 08 33.3		−2.7		
			PMZ		$m_b = 4.7$		0.8	0.020
MDJ	17.5	336	eP	01 08 53.0		1.0		
DL2	17.8	309	eP	01 08 53.0		−1.6		
			eS	01 11 54.0		0.3		
SNY	18.2	319	−iP	01 08 59.4		0.6		
			S	01 12 00.0		−0.6		
			SMN				13.0	0.83
CN2	18.6	327	eP	01 09 02.5		−0.1		
			sP	01 10 50.0		−4.6		
			eS	01 12 10.0		1.9		

			SME				14.0	0.60
TIA	20.1	297	−P	01 09 17.7		0.4		
WHN	21.8	280	−iP	01 09 35.0		1.6		
			PMZ		$m_b = 5.2$		1.0	0.10
BJI	22.1	306	eP	01 09 35.0		−0.8		
			eS	01 13 14.0		6.8		
TIY	24.1	298	eP	01 09 52.0		−2.6		
			S	01 13 40.0		0.2		
HHC	25.6	305	eP	01 10 08.2		−0.1		
XAN	26.4	289	−iP	01 10 15.1		−0.2		
BTO	26.7	304	eP	01 10 17.7		0.1		
GYA	29.0	273	−P	01 10 38.4		0.1		
			S	01 14 57.4		−0.2		
			ScP	01 16 35.8		3.6		
LZH	30.7	293	eP	01 10 52.5		−0.2		
CD2	30.9	283	−iP	01 10 54.3		0.2		
			PMZ		$m_b = 5.2$		1.0	0.12
KMI	32.8	272	−P	01 11 11.5		0.9		
GTA	34.2	298	−iP	01 11 21.8		−0.2		
			S	01 16 13.8		−2.7		
			ScP	01 16 51.8		2.3		
WMQ	43.5	304	P	01 12 38.5		0.0		
			pP	01 14 00.0		−1.8		
			eS	01 18 33.6		−1.9		

FEB 21d 01h 32m 57.4 ± 0.13s, SD1.81 / 68
10.40 N ± 1.69km, 125.51 E ± 2.66km, h33 ± 0.24km
Mindanao (259)
M_S5.0 / 27, m_b4.7 / 1,

QZH	15.9	336	eP	01 36 41.0		0.7		
			eS	01 39 36.0		0.5		
			LN		$M_S = 4.6$		22.0	2.97
QZN	17.4	301	eP	01 37 03.7		4.2		
			eS	01 40 11.5		1.1		
			sS	01 40 22.0		−0.3		
			SS	01 40 31.0		−0.5		
			LN		$M_S = 4.7$		14.0	1.30
			LE				14.0	1.50
SSE	21.0	350	eP	01 37 40.8		0.3		
			pP	01 37 50.0		0.8		
			eS	01 41 30.0		2.4		
			esS	01 41 42.0		0.6		
			SS	01 42 02.0		2.1		
			LE		$M_S = 4.8$		12.0	1.45
			LZ		$M_S = 4.6$		20.0	2.13
NJ2	22.4	345	eP	01 37 51.7		−3.0		
			S	01 42 00.0		6.5		
			LN		$M_S = 5.0$		10.0	0.64
			LE				12.5	1.88
			LZ		$M_S = 4.3$		18.0	0.89
WHN	22.6	334	P	01 38 00.5		4.1		
			LE		$M_S = 5.1$		19.0	3.90
			LZ		$M_S = 4.7$		18.0	2.45
GYA	23.9	314	P	01 38 11.0		1.3		
			sP	01 38 26.0		3.5		
			S	01 42 23.4		3.2		
			LN		$M_S = 4.9$		20.0	2.50
			LE				20.0	1.30
KMI	26.1	307	eP	01 38 32.5		1.9		
			LN		$M_S = 5.1$		18.0	2.90
XAN	28.0	330	P	01 38 46.0		−1.9		
			S	01 43 29.0		1.2		
			LE		$M_S = 4.5$		12.0	0.51
CD2	28.7	318	P	01 38 53.3		−0.9		
			eS	01 43 41.5		1.5		
			LE		$M_S = 5.2$		15.0	2.64
TIY	29.6	339	eP	01 39 01.5		−0.8		
			S	01 43 48.5		−5.1		

			LN		$M_S = 4.8$		16.0	0.78
			LE				12.0	0.61
			LZ		$M_S = 4.5$		26.0	1.27
BJI	30.7	346	eP	01 39	10.5	−0.9		
			LN		$M_S = 4.7$		12.0	0.39
			LE				12.0	0.45
			LZ		$M_S = 4.4$		20.0	0.91
SNY	31.4	357	+P	01 39	17.2	−0.3		
			S	01 44	20.0	−0.7		
			LN		$M_S = 5.0$		19.0	1.31
			LE				17.0	1.57
			LZ		$M_S = 4.6$		20.0	1.15
LZH	32.3	326	eP	01 39	27.0	1.4		
			LN		$M_S = 5.3$		22.0	4.17
			LE				22.0	2.34
HHC	32.7	340	eP	01 39	29.7	−0.1		
			eS	01 44	45.0	1.5		
			LN		$M_S = 4.7$		13.0	0.63
BTO	33.1	338	eP	01 39	31.0	−1.6		
			pP	01 39	40.5	−1.1		
			eS	01 44	44.0	−4.4		
			LN		$M_S = 4.7$		11.0	0.40
			LE				11.0	0.30
			LZ		$M_S = 4.5$		12.0	0.50
CN2	33.3	360	eP	01 39	33.5	−0.8		
			pP	01 39	43.0	−0.6		
			eS	01 44	50.0	−1.7		
			LE		$M_S = 4.9$		11.0	0.80
			LZ		$M_S = 4.9$		17.0	2.00
MDJ	34.3	5	eP	01 39	43.0	0.1		
			S	01 45	08.0	1.8		
			LZ		$M_S = 4.7$		25.0	1.90
GTA	36.9	326	P	01 40	03.8	−1.2		
			LN		$M_S = 5.2$		22.0	2.20
			LE				20.0	1.18
LSA	37.3	306	eP	01 40	10.2	0.7		
WMQ	46.7	322	eP	01 41	29.0	3.9		
			eS	01 48	16.0	4.2		
			LN		$M_S = 5.4$		20.0	2.61
			LZ		$M_S = 5.1$		20.0	2.29
KSH	52.6	312	eP	01 42	12.0	1.0		

FEB 21d 05h 20m 17.2 ± 0.07s, SD0.99 / 24
15.78 S ± 1.20km, 172.72 W ± 0.96km, h64 ± 0.35km
Tonga **(173)**

MDJ	79.7	322	eP	05 32 20.5	0.0	
CN2	81.8	320	−P	05 32 31.0	−0.5	
SNY	82.0	317	+P	05 32 33.2	0.7	
BJI	86.2	313	eP	05 32 54.0	0.4	
TIY	88.0	310	eP	05 33 03.0	0.6	
HHC	89.8	313	−P	05 33 12.0	1.2	
BTO	90.8	312	eP	05 33 16.7	1.2	

FEB 21d 08h 34m 18.4 ± 0.09s, SD1.06 / 29
15.12 S ± 1.76km, 173.24 W ± 1.31km, h33 ± 0.19km
Tonga **(173)**

MDJ	78.9	322	eP	08 46	20.5	−0.4		
			S	08 56	13.5	−0.9		
			LZ		$M_S = 5.3$		24.0	1.60
CN2	81.0	320	+P	08 46	31.0	−1.0		
			pP	08 46	39.0	−2.6		
			eS	08 56	35.0	−2.8		
			LZ		$M_S = 4.8$		25.0	0.60
SNY	81.2	318	−P	08 46	33.5	0.5		
			S	08 56	42.0	3.8		
BJI	85.4	313	eP	08 46	54.0	−0.5		
TIY	87.2	310	eP	08 47	02.5	−0.9		
			S	08 57	33.0	−4.8		
			LZ		$M_S = 5.0$		28.0	0.89
XAN	88.6	306	eP	08 47	11.6	1.5		
HHC	88.9	313	eP	08 47	13.0	1.1		
BTO	90.0	312	eP	08 47	17.6	0.9		

FEB 21d 09h 22m 12.4 ± 0.07s, SD1.04 / 76
6.88 S ± 0.89km, 129.37 E ± 1.31km, h148 ± 0.22km
Banda Sea **(280)**
m_B5.6 / 7, m_b5.0 / 1,

QZN	32.1	324	eP	09 28	28.8	0.4		
			LN				13.0	0.90
SSE	38.6	349	+P	09 29	22.5	−0.1		
			PMZ		$m_b = 5.0$		1.0	0.030
			epP	09 29	55.7	0.9		
			eS	09 35	01.0	−6.5		
			sS	09 36	06.0	2.2		
			eSS	09 37	59.0	4.8		
			LZ				20.0	0.50
GYA	39.8	327	P	09 29	33.4	0.4		
			ScP	09 35	10.8	1.3		
			S	09 35	23.0	−2.0		
			ScS	09 39	22.0	0.5		
WHN	39.9	340	−P	09 29	35.0	1.3		
			esP	09 30	28.0	5.0		
			S	09 35	28.0	1.4		
			SME		$m_B = 5.3$		9.0	0.60
NJ2	40.0	346	+P	09 29	35.7	1.3		
			ScP	09 35	11.6	1.3		
			S	09 35	23.0	−4.9		
KMI	41.0	322	+P	09 29	45.0	1.7		
TIA	44.4	346	eP	09 30	09.0	−1.1		
CD2	44.9	328	eP	09 30	13.6	−0.5		
			S	09 36	34.0	−5.1		
XAN	45.1	336	−iP	09 30	14.8	−0.9		
			ScP	09 35	32.0	1.4		
			S	09 36	35.0	−6.9		
			sS	09 37	42.0	1.7		
			ScS	09 39	56.0	2.2		
DL2	46.1	352	eP	09 30	23.0	−0.9		
			esP	09 31	17.0	3.4		
			S	09 36	56.0	−0.8		
			SME		$m_B = 5.6$		6.0	0.56
			ScS	09 40	00.0	−0.5		
TIY	47.1	342	−iP	09 30	31.3	−0.3		
			pP	09 31	09.0	4.5		
			sP	09 31	24.5	3.1		
			S	09 37	08.5	−2.1		
			SME		$m_B = 5.6$		6.0	0.56
			sS	09 38	15.0	5.5		
			ScS	09 40	10.0	3.1		
BJI	48.2	346	eP	09 30	40.0	−0.5		
			eScP	09 35	44.0	0.1		
			esS	09 38	28.0	2.2		
SNY	48.8	354	−iP	09 30	43.0	−1.4		
			sP	09 31	35.0	0.6		
			iS	09 37	33.0	−2.0		
			SME		$m_B = 5.6$		6.5	0.51
LZH	49.0	332	eP	09 30	47.0	0.4		
			ScP	09 35	49.0	1.9		
			S	09 37	35.0	−2.4		
HHC	50.2	342	−P	09 30	56.4	0.5		
BTO	50.5	341	eP	09 30	57.2	−0.6		
CN2	50.6	356	−P	09 30	57.0	−1.3		
MDJ	51.3	0	P	09 31	03.4	−0.1		
LSA	51.7	317	−P	09 31	06.8	−0.4		
GTA	53.6	332	P	09 31	20.5	−0.3		
			iScP	09 36	08.3	1.7		
			S	09 38	38.0	−1.8		

		SME	$m_B = 5.2$		7.0	0.24
		ScS	09 40 51.6	0.8		
WMQ	62.9 327	P	09 32 26.0	0.0		
		PcP	09 33 02.5	0.9		
		ScP	09 36 50.0	2.0		
		S	09 40 41.0	−0.5		
		ScS	09 42 01.0	1.6		
KSH	67.5 318	P	09 32 58.0	2.4		
		epP	09 33 33.0	2.5		
		ePP	09 35 29.0	1.6		
		iS	09 41 40.0	0.8		
		isS	09 42 39.0	−1.1		

FEB 21d 10h 27m 37.8 ± 0.13s, SD2.74 / 27
40.30 N ± 1.34km, 121.37 E ± 1.37km, h32 ± 0.05km
North–Eastern China (658)
M_L4.3 / 21,

DL2	1.4 172	Pn	10 28 00.0	−1.6		
		Pg	10 28 01.1	−2.0		
		Sg	10 28 18.5	−4.2		
		SMN	$M_L = 3.9$		0.5	1.81
		SME			0.5	1.79
SNY	2.3 47	iPn	10 28 11.8	−1.6		
		iPg	10 28 17.8	−0.3		
		Sg	10 28 48.0	−1.3		
		SMN	$M_L = 3.9$		0.6	0.96
		SME			0.6	0.68
BJI	4.0 268	ePn	10 28 36.5	−0.6		
		Pg	10 28 49.0	0.6		
		eSg	10 29 44.0	1.0		
		SMN	$M_L = 3.8$		0.5	0.17
		SME			0.5	0.22
CN2	4.6 40	ePn	10 28 45.0	−1.0		
		Pg	10 28 54.0	−5.7		
		Sn	10 29 38.0	−2.3		
		SMN	$M_L = 4.2$		0.8	0.40
		SME			0.8	0.36
TIA	5.3 221	ePn	10 28 53.2	−1.6		
		Sg	10 30 20.0	−3.2		
TIY	7.4 253	ePn	10 29 29.3	4.9		
		ePg	10 29 51.6	2.7		
		Sg	10 31 33.9	3.5		
		SMN	$M_L = 4.1$		0.8	0.060
		SME			0.9	0.070
MDJ	7.5 52	ePg	10 29 55.4	5.8		
		SMN	$M_L = 4.6$		0.6	0.20
HHC	7.5 277	Pg	10 29 54.4	4.1		
		Sg	10 31 35.4	3.0		
		SMN	$M_L = 4.7$		1.0	0.19
		SME			1.0	0.33
WHN	11.3 213	eP	10 30 20.0	0.0		

FEB 21d 11h 26m 18.3 ± 0.05s, SD4.42 / 5
40.06 N ± 0.52km, 80.61 E ± 0.58km, h10 ± km
Southern Xinjiang Province (321)
M_L3.4 / 5,

KSH	3.6 263	ePn	11 27 16.7	1.3		
		Sn	11 28 03.0	2.6		
		SMN	$M_L = 3.4$		0.3	0.10
		SME			0.3	0.10

FEB 21d 16h 45m 41.7 ± 0.09s, SD1.27 / 21
4.85 N ± 0.97km, 126.61 E ± 1.99km, h29 ± 0.61km
Talaud Islands (263)

XAN	33.4 333	+P	16 52 21.1	1.0
TIY	35.2 340	eP	16 52 36.0	0.4
BJI	36.3 346	eP	16 52 44.0	−0.8
SNY	36.9 356	eP	16 52 51.0	0.8
LZH	37.5 329	eP	16 52 54.5	−0.7
HHC	38.3 341	eP	16 53 04.2	2.2
MDJ	39.7 3	eP	16 53 13.8	0.4
GTA	42.1 329	eP	16 53 32.1	−1.2

FEB 21d 16h 55m 19.6 ± 0.08s, SD0.82 / 92
13.38 N ± 0.88km, 146.01 E ± 1.75km, h57 ± 0.05km
South of the Marianas (210)
M_S5.3 / 35, m_B5.8 / 6, m_b5.9 / 11,

QZH	28.3 298	eP	17 01 09.0	−1.0		
		sP	17 01 32.0	2.4		
		eS	17 05 46.0	−4.1		
		LN	$M_S = 4.9$		16.0	1.54
SSE	28.8 312	+P	17 01 14.0	−1.1		
		PMZ	$m_b = 5.7$		0.7	0.10
		epP	17 01 31.0	2.5		
		PP	17 02 09.0	0.3		
		eS	17 06 05.0	5.8		
		sS	17 06 20.0	−2.8		
		SS	17 07 26.0	−3.0		
		LN	$M_S = 5.3$		18.0	2.40
		LE			18.0	3.01
NJ2	31.0 311	+P	17 01 34.0	−0.6		
		LN	$M_S = 5.0$		14.0	1.08
		LE			18.0	1.28
		LZ	$M_S = 4.8$		18.0	1.79
DL2	33.3 324	+iP	17 01 54.5	−0.1		
		PMZ			3.0	0.77
		epP	17 02 09.0	0.7		
		esP	17 02 18.0	3.6		
		ePP	17 03 11.0	4.4		
		eS	17 07 10.0	0.2		
		esS	17 07 36.0	2.5		
		LN	$M_S = 5.1$		18.0	1.80
		LE			16.0	1.28
		LZ	$M_S = 4.9$		22.0	2.81
WHN	33.8 306	P	17 01 59.0	0.4		
		PP	17 03 09.0	−3.0		
		eS	17 07 18.0	1.0		
		esS	17 07 44.0	3.2		
		LE	$M_S = 5.3$		19.0	3.70
		LZ	$M_S = 5.2$		20.0	4.50
MDJ	34.1 339	eP	17 02 01.0	−0.5		
		pP	17 02 16.0	0.8		
		sP	17 02 22.0	0.6		
		S	17 07 21.0	−0.4		
		LZ	$M_S = 5.4$		28.0	10.0
SNY	34.4 330	+iP	17 02 02.5	−1.3		
		pP	17 02 17.5	0.0		
		PP	17 03 23.0	3.5		
		S	17 07 21.0	−4.4		
		LN	$M_S = 5.4$		19.0	3.26
		LE			18.0	1.80
		LZ	$M_S = 5.1$		19.0	3.64
TIA	34.5 316	eP	17 02 04.0	−0.4		
		sP	17 02 26.5	2.3		
		S	17 07 25.5	−1.0		
		LN	$M_S = 5.4$		18.0	2.75
		LE			17.0	3.37
		LZ	$M_S = 5.1$		17.0	3.26
CN2	35.1 334	+P	17 02 09.0	−0.6		
		PMZ			3.0	0.50
		pP	17 02 26.0	2.7		
		eS	17 07 35.0	−1.8		
		LN	$M_S = 5.1$		14.0	1.40
		LZ	$M_S = 5.1$		20.0	3.60
QZN	35.1 284	eP	17 02 10.3	0.3		
		eS	17 07 37.0	−0.7		

			LN		$M_S = 5.4$		14.0	1.00
			LE				19.0	3.30
BJI	37.3	321	eP	17 02 28.0		−0.3		
			eS	17 08 12.0		1.1		
			LN		$M_S = 4.9$		19.0	1.20
TIY	38.4	315	+iP	17 02 38.5		0.5		
			pP	17 02 56.5		4.7		
			PP	17 04 11.0		1.5		
			S	17 08 27.0		−0.5		
			LN		$M_S = 5.5$		17.0	1.84
			LE				19.0	3.74
			LZ		$M_S = 5.5$		20.0	6.60
GYA	39.0	296	+P	17 02 44.2		1.2		
			pP	17 02 58.8		2.0		
			LN		$M_S = 5.3$		20.0	1.80
			LE				20.0	2.00
XAN	39.4	308	+P	17 02 45.7		−0.1		
			pP	17 03 03.0		3.4		
			PP	17 04 16.0		−4.5		
			PcP	17 04 54.9		2.1		
			S	17 08 35.0		−6.8		
			PcS	17 08 44.0		2.7		
			ScS	17 12 45.2		−0.3		
			LE		$M_S = 5.2$		18.0	2.00
HHC	40.6	319	−P	17 02 57.0		0.7		
			eS	17 09 03.0		1.3		
			LN		$M_S = 5.4$		18.0	1.96
			LE				20.0	2.60
BTO	41.5	318	+P	17 03 03.5		0.0		
			pP	17 03 20.0		2.8		
			PP	17 04 44.5		1.8		
			S	17 09 15.0		1.5		
			eSS	17 12 15.0		−0.5		
			LN		$M_S = 5.6$		19.0	3.30
			LE				20.0	3.40
			LZ		$M_S = 5.4$		19.0	4.50
KMI	42.3	293	+P	17 03 10.0		−0.1		
			eS	17 09 22.0		−4.5		
			LN		$M_S = 5.4$		17.0	2.50
			LZ		$M_S = 5.1$		25.0	3.00
CD2	42.5	301	P	17 03 11.8		0.0		
			sS	17 09 53.0		−0.5		
LZH	44.0	309	eP	17 03 24.5		0.6		
			pP	17 03 39.0		1.3		
			S	17 09 54.0		4.1		
			SME		$m_B = 5.8$		5.0	0.79
			LE		$M_S = 5.2$		20.0	1.89
GTA	48.1	311	+iP	17 03 56.6		0.1		
			PMZ				3.0	0.50
			PcP	17 05 24.9		2.4		
			PP	17 05 46.0		−1.4		
			iS	17 10 49.8		−0.2		
			ScS	17 13 45.3		5.4		
			LN		$M_S = 5.4$		16.5	1.27
			LE				17.0	1.55
			LZ		$M_S = 5.0$		24.0	1.89
LSA	53.1	297	+P	17 04 34.0		−0.4		
WMQ	58.1	313	+iP	17 05 10.3		0.3		
			pP	17 05 27.8		3.6		
			PcP	17 06 02.5		2.6		
			ScP	17 09 57.5		4.3		
			S	17 13 07.6		4.3		
			LN		$M_S = 5.3$		18.0	1.47
			LZ		$M_S = 5.3$		25.0	3.06
KSH	66.3	307	P	17 06 06.0		1.1		
			esP	17 06 29.0		3.7		
			eS	17 14 50.0		1.7		
			LN		$M_S = 5.6$		15.0	1.80

FEB 21d 19h 03m 22.0 ± 0.31s, SD1.48 / 32
11.89 N ± 1.90km, 86.73 W ± 1.39km, h40 ± 2.71km
Near coast of Nicaragua (74)

BJI	124.1	339	ePKP	19 22 17.0	−0.4		
WMQ	124.3	5	PKP	19 22 18.3	0.4		
TIY	127.5	341	ePKP	19 22 25.5	1.5		
			LZ	$M_S = 5.3$		22.0	0.65
GTA	128.6	354	PKP	19 22 26.3	0.1		
SSE	129.5	329	ePKP	19 22 28.5	0.7		
XAN	132.0	342	PKP	19 22 32.6	0.1		
WHN	133.2	335	PKP	19 22 35.0	0.2		
CD2	136.3	347	ePKP	19 22 42.2	1.7		
GYA	139.7	341	PKP	19 22 41.0	−5.9		
KMI	142.1	346	ePKP	19 22 50.0	−1.2		
QZN	145.2	332	−PKP	19 22 55.0	−1.4		

FEB 22d 08h 45m 45.2 ± 0.08s, SD1.32 / 80
4.54 S ± 1.76km, 102.63 E ± 2.09km, h76 ± 1.13km
Southern Sumatera (274)
M_S4.5 / 1, m_b5.6 / 8,

QZN	24.5	17	eP	08 51 00.4	1.8		
KMI	29.5	0	+iP	08 51 45.5	0.6		
			LZ	$M_S = 4.7$		4.0	0.35
GYA	31.1	7	−P	08 51 58.8	0.1		
			PcP	08 54 53.0	0.9		
CD2	35.3	2	P	08 52 34.4	−0.6		
LSA	35.8	34.3	+P	08 52 39.0	−0.8		
WHN	36.6	17	eP	08 52 46.5	0.0		
			pP	08 53 04.5	0.0		
			PcP	08 55 09.5	1.6		
			eS	08 58 27.0	3.3		
			LZ	$M_S = 4.6$		20.0	0.90
XAN	38.8	8	+iP	08 53 04.8	0.0		
SSE	39.6	25	eP	08 53 12.2	0.9		
			PMZ	$m_b = 5.1$		1.0	0.030
			epP	08 53 30.0	0.6		
			LZ	$M_S = 4.4$		20.0	0.56
LZH	40.4	2	eP	08 53 18.5	0.3		
			PMZ	$m_b = 5.6$		1.0	0.090
TIA	42.7	17	−P	08 53 36.4	−0.7		
TIY	43.0	11	eP	08 53 39.3	−0.1		
			LZ	$M_S = 4.7$		18.0	0.97
GTA	43.8	357	+iP	08 53 46.0	0.1		
			PcP	08 55 31.9	0.9		
			LN	$M_S = 4.5$		21.0	0.44
			LZ	$M_S = 4.5$		20.0	0.62
BTO	45.4	8	eP	08 53 59.0	0.2		
HHC	45.9	9	−P	08 54 03.2	0.6		
BJI	46.1	14	eP	08 54 04.0	0.2		
			PcP	08 55 39.5	0.7		
DL2	46.7	20	eP	08 54 13.0	4.6		
SNY	49.9	20	−P	08 54 32.2	−1.7		
WMQ	50.0	346	+iP	08 54 34.5	0.2		
			pP	08 54 49.0	−3.6		
			eS	09 01 42.0	3.8		
KSH	50.3	333	P	08 54 37.0	0.4		
			epP	08 54 53.0	−1.9		
			eS	09 01 44.0	1.5		
CN2	52.3	21	+iP	08 54 51.0	−0.9		
			PcP	08 56 01.0	−0.5		
MDJ	54.6	23	eP	08 55 07.2	−1.4		

FEB 22d 14h 51m 53.8 ± 0.06s, SD0.90 / 41
27.27 N ± 1.43km, 53.20 E ± 0.89km, h68 ± 0.04km
Persian Gulf (352)
M_S5.1 / 1,

KSH	22.5	51	eP	14 56 49.5	0.4		

			epP	14 57 03.5	−0.6		
			eS	15 00 47.5	0.5		
			LE	M_s=5.1		10.0	2.10
WMQ	32.3	50	P	14 58 19.4	0.5		
GTA	40.4	60	P	14 59 27.7	0.4		
LZH	43.6	65	eP	14 59 54.0	0.4		
XAN	47.9	68	P	15 00 27.0	−0.9		
TIY	50.3	62	eP	15 00 46.2	−0.1		
BJI	53.0	59	eP	15 01 04.0	−2.1		
NJ2	56.5	68	−P	15 01 31.6	−0.2		
CN2	59.3	53	eP	15 01 51.0	−0.4		

FEB 22d 15h 42m 03.5 ± 0.06s, SD1.31 / 23
52.76 N ± 2.54km, 173.53 W ± 0.92km, h32 ± 0.24km
Andreanof Islands (7)

SSE	51.2	272	eP	15 51 07.3	0.6		
XAN	56.5	284	P	15 51 46.0	0.1		
GYA	63.4	279	P	15 52 33.0	0.2		

FEB 22d 17h 25m 02.1 ± 0.06s, SD2.13 / 7
42.56 N ± 0.86km, 85.10 E ± 0.50km, h5 ± 0.22km
Northern Xinjiang Province (332)
M_L3.6 / 6,

WMQ	2.3	56	iPn	17 25 43.4	2.6		
			Sg	17 26 13.0	−0.6		
			SMN	M_L=3.4		0.6	0.22
			SME			0.8	0.31

FEB 22d 18h 30m 45.8 ± 0.11s, SD2.17 / 55
17.18 N ± 1.83km, 120.00 E ± 2.05km, h52 ± 0.96km
Luzon (249)
M_S3.7 / 1,

QZH	7.8	351	eP	18 32 41.0	1.2		
			LN	M_S=3.7		14.0	0.66
GZH	8.6	314	eP	18 32 45.0	−5.2		
QZN	9.8	282	eP	18 33 02.6	−4.8		
WHN	14.3	340	P	18 34 08.5	1.8		
GYA	15.4	309	P	18 34 20.2	−1.8		
KMI	17.9	299	+P	18 34 55.0	1.6		
XAN	19.5	331	P	18 35 11.4	−0.3		
CD2	20.1	316	eP	18 35 18.2	−0.3		
TIY	21.5	343	eP	18 35 36.7	4.1		
BJI	23.0	352	eP	18 35 48.5	1.2		
LZH	23.7	326	eP	18 35 57.0	3.1		
HHC	24.7	345	eP	18 36 05.0	1.3		
SNY	24.8	6	+P	18 36 03.6	−0.6		
CN2	26.9	9	eP	18 36 23.0	−1.5		
GTA	28.3	326	P	18 36 37.8	0.9		
WMQ	38.0	321	P	18 38 05.6	4.2		

FEB 22d 19h 13m 18.3 ± 0.15s, SD1.45 / 97
20.78 S ± 3.04km, 69.76 W ± 2.82km, h70 ± 1.09km
Near coast of Northern Chile (122)
M_S6.6 / 45, m_B6.4 / 21,

KSH	145.2	50	iPKP	19 32 50.0	0.8		
			iPKP2	19 32 53.0	3.3		
			PP	19 36 16.0	5.0		
			LE	M_S=6.7		17.0	7.20
WMQ	150.3	34	ePKP	19 32 58.0	0.5		
			PPMZ	m_B=6.7		7.0	4.67
			LN	M_S=6.9		20.0	9.04
			LE			24.0	11.5
			LZ	M_S=6.9		28.0	23.9
MDJ	151.3	330	ePKP	19 32 58.5	−0.4		
			PKP2	19 33 18.5	4.2		
			SKKS	19 43 32.0	5.3		
			SS	19 56 05.0	3.0		
			LZ	M_S=6.8		30.0	19.5
CN2	153.8	335	−PKP	19 33 01.5	−0.8		
			pPKP	19 33 16.0	−5.2		
			ePP	19 37 01.0	0.9		
			PPMZ	m_B=6.3		7.0	2.00
			SKS	19 40 04.0	4.9		
			SKKS	19 43 44.0	4.3		
			iSS	19 56 30.0	1.3		
			LN	M_S=6.6		23.0	7.30
			LZ	M_S=6.7		28.0	15.2
SNY	156.2	335	iPKP	19 33 05.0	−0.5		
			pPKP	19 33 20.0	−4.4		
			PP	19 37 16.0	2.6		
			PPMZ			16.0	3.52
			SS	19 56 56.0	1.3		
			LN	M_S=6.7		30.0	8.42
			LE			27.0	8.00
			LZ	M_S=6.6		26.0	11.4
GTA	159.4	23	iPKP	19 33 10.0	0.3		
			LN	M_S=6.7		24.0	8.42
			LE			22.0	5.80
			LZ	M_S=6.7		27.0	12.5
DL2	159.4	334	PKP	19 33 10.0	0.4		
			PP	19 37 34.0	3.3		
			PPMZ			16.0	2.06
			eSS	19 57 30.0	0.7		
			LN	M_S=6.6		15.0	4.32
			LE			15.0	3.78
			LZ	M_S=6.4		30.0	7.43
HHC	160.0	357	PKP	19 33 13.0	2.7		
			pPKP	19 33 24.0	−5.1		
			PP	19 37 34.0	0.7		
			PPMZ	m_B=6.7		6.0	4.55
			LN	M_S=6.8		27.0	13.3
			LE			28.0	6.45
BJI	160.1	346	ePKP	19 33 10.5	0.1		
			epPKP	19 33 30.0	0.7		
			ePKP2	19 33 52.0	0.2		
			ePP	19 37 35.0	0.7		
			PPMZ	m_B=6.7		8.0	5.94
			eSS	19 57 40.0	3.9		
			LN	M_S=6.5		22.0	6.20
			LZ	M_S=6.6		30.0	13.7
BTO	160.2	1	PKP	19 33 15.0	4.4		
			LN	M_S=6.6		22.0	6.80
			LE			25.0	5.70
			LZ	M_S=6.5		22.0	6.80
LSA	160.6	59	PKP	19 33 11.0	−0.3		
			PP	19 37 35.0	−2.2		
			SKS	19 40 10.0	4.1		
			SKKS	19 44 12.0	−4.7		
			LN	M_S=6.6		23.0	3.93
			LE			24.0	7.69
TIY	163.0	354	ePKP	19 33 13.6	0.2		
			pPKP	19 33 33.0	0.9		
			PPMZ			13.0	8.50
			SKKS	19 44 33.5	4.4		
			LN	M_S=6.7		24.0	10.3
			LZ	M_S=6.8		28.0	20.1
TIA	163.5	340	ePKP	19 33 13.5	−0.3		
			pPKP	19 33 33.0	0.4		
			ePP	19 37 50.6	−1.7		
			SKKS	19 44 34.0	2.6		
			LN	M_S=6.6		26.0	6.10
			LE			26.0	8.40
			LZ	M_S=6.5		26.0	7.60
LZH	163.7	19	PKP	19 33 15.0	0.8		
			pPKP	19 33 34.5	1.6		
			SKKS	19 44 31.0	−1.7		

			LN		$M_S = 6.6$		30.0	9.32
			LE				30.0	8.39
SSE	165.8	318	+PKP	19 33 16.0		0.0		
			pPKP	19 33 36.0		1.1		
			PKP2	19 34 18.0		1.6		
			eSKKS	19 44 39.0		−3.9		
			LN		$M_S = 6.7$		26.0	7.65
			LE				28.0	9.83
			LZ		$M_S = 6.6$		21.0	9.43
NJ2	166.4	327	−iPKP	19 33 17.5		1.0		
			pPKP2	19 34 37.0				
			iPP	19 38 06.0		−1.4		
			PPMZ		$m_B = 6.2$		6.0	1.59
			SKKS	19 44 45.0		−0.9		
			LN		$M_S = 6.8$		25.0	14.3
			LN		$M_S = 6.4$		21.0	4.85
XAN	166.7	5	PKP	19 33 17.0		0.2		
			pPKP	19 33 37.0		1.4		
			PP	19 38 11.0		1.8		
			SKKS	19 44 52.0		4.3		
			SS	19 58 44.0		−0.1		
			LN		$M_S = 6.5$		20.0	5.48
CD2	168.3	29	PKP	19 33 20.0		2.3		
			pPKP	19 33 38.0		1.4		
			sPKP	19 33 49.0		4.6		
			PP	19 38 15.0		−2.2		
			SKKS	19 44 54.0		−1.7		
			SS	19 58 57.0		−3.1		
			LN		$M_S = 6.6$		21.0	7.50
			LZ		$M_S = 6.6$		24.0	11.5
WHN	169.6	340	iPKP	19 33 19.0		0.6		
			pPKP	19 33 40.0		2.7		
			PP	19 38 23.0		−0.5		
			PPMZ				2.0	0.46
			SKKS	19 45 03.0		1.0		
			LN		$M_S = 6.6$		24.0	10.6
			LZ		$M_S = 6.7$		40.0	21.5
QZH	171.3	300	−PKP	19 33 19.0		−0.4		
			pPKP	19 33 33.0		−5.4		
			PKP2	19 34 39.0		−1.5		
			PP	19 38 28.0		−3.8		
			PPMZ		$m_B = 6.4$		6.0	2.54
			SKKS	19 45 16.0		5.7		
			SS	19 59 28.0		−0.2		
			LN		$M_S = 6.4$		36.0	10.6
KMI	171.8	57	PKP	19 33 20.0		−0.1		
			pPKP	19 33 34.0		−4.8		
			PKP2	19 34 41.0		−2.0		
			PP	19 38 35.0		0.3		
			PPMZ		$m_B = 6.1$		9.0	1.90
			SKKS	19 45 15.0		1.8		
			LE		$M_S = 6.4$		25.0	7.80
			LZ		$M_S = 6.4$		42.0	14.3
GYA	173.5	29	PKP	19 33 21.0		−0.3		
			pPKP	19 33 40.0		0.0		
			PKP2	19 34 54.0		3.8		
			pPKP2	19 35 09.0				
			PP	19 38 39.0		−3.8		
			SKS	19 40 15.0		1.6		
			SKKS	19 45 22.0		0.6		
			LN		$M_S = 6.4$		24.0	3.80
			LE				24.0	8.70
GZH	176.3	309	−PKP	19 33 20.5		−0.9		
			pPKP	19 33 42.0		1.7		
			PP	19 38 53.0		−3.9		
			LN		$M_S = 6.3$		30.0	3.90
			LE				30.0	10.7
QZN	178.2	168	ePKP	19 33 21.0		−0.6		
			PKP2	19 35 09.0		−2.3		
			PP	19 39 03.0		−2.6		
			SKS	19 40 09.0		−5.0		
			LN		$M_S = 6.2$		20.0	3.40
			LE				25.0	8.00

FEB 23d 01h 58m 44.4 ± 0.12s, SD1.69 / 27
60.65 S ± 1.88km, 159.94 E ± 2.84km, h32 ± 0.15km
Balleny Islands region (702)
M_S5.8 / 6,

QZH	91.7	323	+P	02 11 49.5		−1.1		
			PP	02 15 30.0		−0.6		
			eS	02 22 48.0		1.3		
			LN		$M_S = 5.6$		26.0	1.69
SSE	96.8	327	eP	02 12 15.0		1.2		
			PP	02 16 12.0		1.6		
			eSKS	02 22 51.0		5.5		
			eS	02 23 34.0		3.6		
			SS	02 30 14.0		6.0		
			LN		$M_S = 5.7$		18.0	1.50
			LZ		$M_S = 5.7$		20.0	2.41
GYA	97.0	314	P	02 12 14.0		−1.0		
			LN		$M_S = 5.8$		30.0	2.00
			LE				30.0	1.90
KMI	97.2	310	−P	02 12 16.0		−0.1		
			PP	02 16 14.0		−0.1		
			SKS	02 22 54.0		6.0		
			LZ		$M_S = 5.4$		50.0	3.19
WHN	98.2	321	eP	02 12 25.8		5.5		
			PP	02 16 18.0		−3.9		
			LZ		$M_S = 5.7$		24.0	2.80
GTA	111.1	314	ePKP	02 17 16.2		0.5		
			LN		$M_S = 5.8$		38.0	2.19
			LE				30.0	1.70
			LZ		$M_S = 5.6$		32.0	2.29
WMQ	119.4	308	ePKP	02 17 34.0		2.1		

FEB 23d 06h 41m 06.1 ± 0.08s, SD1.30 / 42
27.15 N ± 1.68km, 53.30 E ± 1.12km, h33 ± 0.15km
Persian Gulf (352)
M_S4.7 / 3,

KSH	22.5	51	eP	06 46 04.0		−0.5		
			epP	06 46 13.0		−0.1		
			eS	06 50 03.0		−1.9		
			esS	06 50 18.0		−0.8		
			LE		$M_S = 5.1$		10.0	2.50
WMQ	32.3	50	P	06 47 34.5		−0.1		
GTA	40.4	60	P	06 48 43.8		0.9		
			LE		$M_S = 4.4$		10.0	0.17
			LZ		$M_S = 4.3$		14.0	0.30
LZH	43.5	65	eP	06 49 09.0		−0.1		
KMI	44.2	81	+P	06 49 15.5		1.0		
GYA	47.3	78	P	06 49 40.0		0.8		
XAN	47.9	68	eP	06 49 41.6		−1.8		
TIY	50.3	62	eP	06 50 01.8		−0.2		
BJI	52.9	59	eP	06 50 21.0		−0.9		
WHN	53.0	71	eP	06 50 20.5		−2.0		
CN2	59.3	53	eP	06 51 07.0		−0.5		

FEB 23d 16h 06m 24.0 ± 0.10s, SD1.49 / 64
2.03 N ± 1.50km, 126.94 E ± 2.25km, h70 ± 0.57km
Molucca Passage (266)
M_S4.6 / 2,

QZN	23.8	316	eP	16 11 31.4		0.1		
QZH	24.2	341	eP	16 11 33.3		−1.6		
			LN		$M_S = 4.4$		28.0	1.04
GZH	24.7	329	+P	16 11 41.0		0.5		
GYA	31.1	323	P	16 12 40.0		1.3		

KMI	32.7	317	+P	16 12 52.5	−0.3			
TIA	35.2	346	eP	16 13 16.0	2.2			
XAN	36.0	334	eP	16 13 19.0	−1.8			
CD2	36.1	325	eP	16 13 20.0	−1.7			
DL2	37.0	353	eP	16 13 31.0	1.9			
TIY	37.9	341	+P	16 13 37.0	0.2			
			eS	16 19 20.0	−3.3			
			LZ	M_S=4.7		17.0	0.96	
BJI	39.1	347	eP	16 13 46.0	−0.2			
SNY	39.7	356	+P	16 13 52.3	0.6			
LZH	40.1	330	eP	16 13 54.5	−0.2			
HHC	41.1	342	eP	16 14 02.6	−0.2			
BTO	41.3	340	eP	16 14 07.7	2.7			
MDJ	42.5	3	eP	16 14 14.4	0.2			
GTA	44.7	330	P	16 14 31.4	−0.7			
			iPcP	16 16 14.9	1.5			
WMQ	54.2	326	eP	16 15 45.3	−0.1			
KSH	59.4	316	eP	16 16 27.0	4.6			

FEB 24d 01h 56m 31.2±0.07s, SD1.06/80
1.38 N±1.06km, 126.19 E±1.58km, h74±0.10km
Molucca Passage (266)
M_S4.9/18, m_b5.2/6,

QZN	23.8	319	P	02 01 39.0	1.1			
			pP	02 01 56.0	1.6			
			eS	02 05 48.5	3.5			
			LN	M_S=5.1		14.0	2.30	
			LE			12.0	1.20	
QZH	24.5	343	+P	02 01 45.0	−0.5			
			S	02 06 00.0	2.3			
			sS	02 06 24.0	−3.2			
			SS	02 06 56.0	−2.2			
			LN	M_S=4.9		25.0	2.75	
			LE			15.0	0.71	
GZH	24.9	331	P	02 01 49.1	0.0			
SSE	29.9	351	eP	02 02 36.7	1.9			
			PMZ	m_b=4.8		0.6	0.010	
			epP	02 02 50.0	−1.8			
			eS	02 07 27.0	1.1			
			sS	02 07 58.0	2.5			
			LE	M_S=4.7		14.0	0.80	
			LZ	M_S=4.6		24.0	1.50	
WHN	31.1	340	eP	02 02 45.0	−0.1			
			S	02 07 46.0	2.5			
			sS	02 08 14.0	−0.1			
			LE	M_S=5.0		15.0	1.50	
			LZ	M_S=5.0		28.0	4.10	
GYA	31.2	325	P	02 02 46.0	−0.2			
			pP	02 03 01.4	−1.8			
			PcP	02 05 42.0	3.3			
			S	02 07 47.0	1.8			
			LN	M_S=4.9		28.0	2.20	
			LE			28.0	1.20	
NJ2	31.3	348	+P	02 02 48.6	1.9			
KMI	32.7	318	eP	02 03 00.0	0.7			
			sP	02 03 23.0	−2.3			
			eS	02 08 13.0	3.2			
			LN	M_S=5.1		18.0	1.96	
			LZ	M_S=5.0		24.0	3.40	
TIA	35.7	347	eP	02 03 24.4	−0.1			
			sP	02 03 46.9	−4.0			
			eS	02 08 54.0	−1.2			
			LE	M_S=5.1		20.0	2.01	
CD2	36.2	326	eP	02 03 28.5	−1.0			
			eS	02 09 02.0	−2.3			
			LN	M_S=5.0		15.0	1.19	
XAN	36.3	335	P	02 03 28.2	−1.6			
			S	02 08 59.0	−4.8			
			LE	M_S=4.7		12.0	0.51	
TIY	38.3	342	eP	02 03 46.0	−0.8			
			S	02 09 32.0	−2.6			
			LE	M_S=4.7		15.0	0.54	
			LZ	M_S=4.8		28.0	1.92	
BJI	39.5	348	eP	02 03 55.0	−1.9			
			eS	02 09 52.0	−2.1			
			LZ	M_S=4.7		28.0	1.41	
LZH	40.3	332	eP	02 04 03.5	0.4			
			PMZ	m_b=5.5		1.5	0.12	
SNY	40.3	357	+P	02 04 03.2	−0.3			
			S	02 10 07.8	2.8			
HHC	41.5	343	eP	02 04 13.0	0.1			
BTO	41.7	341	P	02 04 15.0	0.2			
			sP	02 04 37.0	−4.3			
			eS	02 10 28.0	1.5			
			LN	M_S=4.7		13.0	0.20	
			LE			13.0	0.40	
CN2	42.2	359	−P	02 04 19.0	−0.2			
			pP	02 04 35.0	−1.8			
			eS	02 10 32.0	−2.2			
			LZ	M_S=4.6		24.0	0.90	
MDJ	43.2	4	eP	02 04 26.6	−0.1			
GTA	44.8	331	P	02 04 39.7	−0.7			
			PcP	02 06 22.0	1.3			
WMQ	54.3	326	P	02 05 53.0	−0.1			
			PcP	02 06 53.0	−2.3			
			PP	02 07 55.0	−1.8			
			S	02 13 27.0	4.1			
			ScS	02 15 37.0	6.1			
			LZ	M_S=5.1		26.0	2.24	
KSH	59.4	316	eP	02 06 30.0	1.2			
			pP	02 06 46.0	−1.1			
			eS	02 14 33.0	2.3			

FEB 24d 02h 54m 21.6±0.09s, SD0.93/66
51.72 N±1.73km, 176.77 W±0.93km, h60±1.20km
Andreanof Islands (7)
M_S4.9/6, m_B5.6/1, m_b5.7/5,

MDJ	35.8	280	eP	03 01 16.7	−0.5			
CN2	38.7	282	+P	03 01 41.5	−0.5			
			PMZ	m_B=5.6		4.0	0.40	
			pP	03 01 57.0	0.7			
			PP	03 03 16.0	1.3			
			eS	03 07 35.0	0.8			
			LE	M_S=5.1		20.0	1.90	
			LZ	M_S=4.9		22.0	2.00	
SNY	41.0	280	+iP	03 02 01.6	1.1			
DL2	43.9	278	+P	03 02 23.0	−1.5			
			PMZ			3.0	0.61	
			pP	03 02 39.0	0.0			
			eS	03 08 51.0	0.3			
BJI	46.5	283	eP	03 02 45.0	−0.5			
			eS	03 09 27.0	−1.5			
			LZ	M_S=4.8		24.0	1.30	
TIA	48.4	278	+P	03 03 00.0	0.1			
HHC	48.8	287	eP	03 03 05.0	1.6			
SSE	49.3	270	P	03 03 05.7	−1.0			
			PMZ	m_b=5.5		1.0	0.060	
			pP	03 03 22.0	0.7			
			eS	03 10 10.0	3.1			
			sS	03 10 34.0	1.7			
BTO	49.9	288	+P	03 03 12.0	0.3			
			pP	03 03 28.0	1.9			
			S	03 10 17.0	2.5			
			LN	M_S=4.9		16.0	0.40	
			LE			16.0	0.40	
NJ2	50.1	273	+P	03 03 12.5	−0.4			

TIY	50.3	283	+iP	03 03 15.5	0.9			
			PMZ	m_b=5.8		1.2	0.16	
			pP	03 03 31.5	2.4			
			LE	M_S=4.9		18.0	0.71	
			LZ	M_S=4.7		28.0	1.18	
WHN	53.9	275	+P	03 03 41.0	−0.6			
			PMZ	m_b=5.7		1.6	0.16	
			pP	03 03 57.0	0.6			
			eS	03 11 09.0	−1.5			
XAN	54.8	282	+iP	03 03 48.4	−0.2			
			pP	03 04 03.0	−0.4			
LZH	56.5	287	eP	03 04 01.0	0.3			
			PMZ	m_b=5.7		2.5	0.25	
GTA	56.6	293	P	03 04 00.8	−0.7			
CD2	60.1	283	−iP	03 04 26.0	0.0			
GYA	61.5	277	+P	03 04 35.0	−0.5			
			pP	03 04 52.0	1.6			
			S	03 12 52.0	2.5			
KMI	64.9	279	+iP	03 04 58.0	0.0			
QZN	65.0	269	eP	03 04 59.2	0.7			

FEB 24d 03h 24m 36.7±0.11s, SD1.65/48
26.05 N±1.29km, 95.64 E±0.99km, h94±0.18km
Burma–India border region (294)

LSA	5.4	313	+iP	03 25 58.5	1.9			
			S	03 27 00.0	2.7			
			LN			8.0	0.35	
			LE			11.0	0.53	
KMI	6.5	97	+P	03 26 14.5	3.1			
CD2	8.6	54	eP	03 26 40.5	−0.1			
GYA	9.9	85	+P	03 26 58.0	0.0			
LZH	12.2	33	eP	03 27 28.0	−1.0			
GTA	13.8	14	P	03 27 47.8	−1.5			
XAN	14.0	52	P	03 27 48.5	−3.4			
QZN	14.9	115	eP	03 28 04.0	0.8			
WHN	17.1	71	P	03 28 29.5	−1.4			
			eS	03 31 30.0	−6.4			
TIY	18.4	47	−P	03 28 46.0	−0.6			
BTO	18.8	36	eP	03 28 50.5	−1.1			
WMQ	18.9	342	P	03 28 55.5	3.2			
HHC	19.8	38	+P	03 29 03.2	0.7			
BJI	22.1	46	eP	03 29 25.0	−0.3			

FEB 24d 03h 52m 02.9±0.09s, SD1.18/94
13.54 N±1.13km, 124.73 E±1.37km, h24±0.12km
Luzon (249)
M_S7.0/45, m_B6.7/34, m_b6.1/3,

QZH	12.7	334	+iP	03 55 03.0	−2.5			
			PMZ	m_B=6.4		8.0	5.41	
			PP	03 55 15.0	−0.5			
			PPMZ			9.0	14.5	
			iS	03 57 24.0	−3.5			
			sS	03 57 34.0	−3.4			
			SS	03 57 44.0	2.0			
			LE	M_S=6.5		16.0	222	
GZH	14.4	313	eP	03 55 27.0	−0.2			
			PMZ	m_B=7.1		7.0	25.6	
			S	03 58 11.0	4.7			
QZN	15.3	293	eP	03 55 39.0	−0.1			
			S	03 58 29.0	1.2			
			LN	M_S=7.1		18.0	406	
			LE			18.0	665	
SSE	17.8	350	+iP	03 56 12.5	1.9			
			PMZ	m_B=6.8		6.0	28.3	
			sP	03 56 24.0	2.8			
			sS	03 59 42.0	5.9			
			PcS	04 04 22.3	−0.7			
			ScS	04 08 05.0	5.9			
			LE	M_L=7.0		17.0	468	
NJ2	19.2	345	+P	03 56 27.2	−0.7			
			LN	M_S=6.5		15.0	110	
WHN	19.4	332	+iP	03 56 31.5	0.8			
			pP	03 56 38.7	1.4			
			S	04 00 04.0	1.4			
			SME			15.0	126	
			LE	M_S=7.3		18.0	881	
GYA	21.3	310	P	03 56 50.0	0.0			
			PMZ	m_B=6.7		5.0	16.0	
			sP	03 56 59.4	−1.5			
			S	04 00 40.0	0.6			
			SME	m_B=7.0		10.0	62.5	
			LN	M_S=7.1		15.0	308	
			LE			15.0	250	
TIA	23.6	344	+P	03 57 12.5	−0.5			
			PMZ	m_B=6.4		6.0	9.23	
			pP	03 57 20.0	−0.4			
			S	04 01 22.5	0.8			
			LN	M_S=6.8		14.0	160	
KMI	23.7	302	+iP	03 57 17.0	2.8			
			sP	03 57 24.0	−1.0			
			S	04 01 28.0	4.4			
			sS	04 01 38.0	1.4			
			LE	M_S=7.0		16.0	278	
XAN	24.9	328	+iP	03 57 26.0	−0.2			
			PMZ	m_B=6.5		8.0	14.0	
			pP	03 57 36.0	2.3			
			S	04 01 50.0	5.0			
			LE	M_S=6.6		14.0	85.7	
DL2	25.4	354	+iP	03 57 30.0	−0.6			
			sP	03 57 39.0	−2.6			
			S	04 01 53.0	0.2			
			esS	04 02 03.0	−3.0			
			LE	M_S=7.1		14.0	285	
CD2	25.9	315	+iP	03 57 35.0	−0.3			
			iS	04 02 02.0	0.1			
			LZ	M_S=7.0		16.0	337	
TIY	26.4	338	+iP	03 57 40.0	−0.3			
			PMZ	m_B=7.0		10.0	36.6	
			pP	03 57 46.5	−1.2			
			iS	04 02 07.0	−3.8			
			SMN			15.0	28.0	
			SME			16.0	39.4	
			LE	M_S=6.9		15.0	165	
BJI	27.4	346	+P	03 57 48.0	−1.4			
			PMZ	m_B=6.4		8.0	5.88	
			eS	04 02 26.0	−0.9			
			LN	M_S=6.5		15.0	65.1	
SNY	28.2	358	+iP	03 57 55.5	−0.7			
			PMZ	m_B=6.4		5.0	3.76	
			pP	03 58 07.5	3.7			
			sP	03 58 11.0	3.7			
			iS	04 02 39.0	0.0			
			LE	M_S=6.8		18.0	130	
			LZ	M_S=6.7		15.5	142	
LZH	29.3	324	+P	03 58 05.5	−0.3			
			PMZ	m_B=6.5		9.0	8.85	
			sP	03 58 19.5	2.7			
			S	04 03 00.0	4.9			
			LN	M_S=7.2		16.0	318	
			LE			20.0	83.0	
HHC	29.5	339	−P	03 58 08.2	−0.1			
			PMZ	m_B=6.8		5.0	8.38	
			pP	03 58 14.0	−1.9			
			S	04 03 00.0	0.3			
			LN	M_S=6.9		19.0	78.9	
			LE			19.0	167	

BTO	29.9	337	+iP	03 58 11.0	−0.3		
			PMZ	m_B=6.5		8.0	6.50
			sP	03 58 19.5	−2.9		
			PP	03 59 07.0	−1.1		
			S	04 03 05.0	0.0		
			SMN	m_B=6.4		11.0	5.60
			SME			11.0	7.20
			SS	04 04 40.5	−0.7		
			LN	M_S=6.7		14.0	61.3
			LE			14.0	57.3
			LZ	M_S=6.4		14.0	58.5
CN2	30.2	1	+iP	03 58 13.0	−0.7		
			PMZ	m_B=6.7		5.0	6.20
			pP	03 58 20.0	−1.5		
			S	04 03 09.0	−0.5		
			SMN	m_B=6.8		8.0	15.2
			LE	M_S=6.8		12.0	90.0
MDJ	31.2	7	+P	03 58 24.0	0.7		
			pP	03 58 29.0	−2.0		
			sP	03 58 33.0	−1.5		
			PP	03 59 27.0	1.1		
			S	04 03 28.0	1.5		
			sS	04 03 37.0	−3.3		
			SS	04 05 14.0	1.0		
			LZ	M_S=6.6		18.0	112
GTA	33.9	324	+iP	03 58 45.8	−0.4		
			PMZ	m_B=6.7		9.0	10.8
			PP	03 59 55.0	−3.9		
			SMN			15.0	20.8
			SME			15.0	20.2
			LN	M_S=7.1		15.0	162
			LE			15.0	104
			LZ	M_S=6.9		16.0	187
LSA	34.9	303	+iP	03 58 57.0	1.1		
			S	04 04 23.0	−1.1		
			LN	M_S=6.7		25.0	89.5
			LE			28.0	48.3
WMQ	43.7	321	+iP	04 00 08.6	0.0		
			PMZ	m_B=7.1		5.0	16.3
			PP	04 01 57.0	5.1		
			S	04 06 32.0	−4.1		
			LN	M_S=7.4		16.0	214
KSH	50.0	311	+iP	04 00 59.0	1.1		
			PMZ	m_B=7.2		5.0	16.3
			pP	04 01 05.0	−0.6		
			PP	04 02 56.0	3.1		
			iS	04 08 10.0	3.7		
			SME	m_B=7.2		8.0	25.7
			LE	M_S=7.2		17.0	117

FEB 24d 05h 36m 58.7±0.11s, SD1.58/22
13.22 N±1.36km, 125.03 E±2.07km, h35±0.43km
Samar (251)

WHN	19.9	332	eP	05 41 31.0	1.1	
GYA	21.7	310	P	05 41 49.6	0.8	
XAN	25.4	327	P	05 42 23.4	−1.3	
BJI	27.8	345	eP	05 42 46.0	−1.3	

FEB 24d 06h 11m 28.0±0.07s, SD1.37/36
46.70 N±2.16km, 152.80 E±1.54km, h35±0.45km
Kurile Islands (221)

MDJ	16.3	271	eP	06 15 15.0	−1.7	
CN2	19.4	271	eP	06 15 53.5	−1.0	
SNY	21.4	268	eP	06 16 15.0	−0.3	
DL2	24.0	262	eP	06 16 40.5	−0.6	
BJI	27.3	269	eP	06 17 13.0	1.6	
XAN	35.3	265	P	06 18 22.0	−0.1	
GTA	38.8	279	P	06 18 52.1	0.7	

CD2	40.7	265	eP	06 19 08.0	1.0		
GYA	41.5	257	P	06 19 14.2	0.2		

FEB 24d 08h 44m 34.8±0.09s, SD1.40/72
13.29 N±1.32km, 124.84 E±1.79km, h35±0.25km
Samar (251)

QZN	15.5	294	P	08 48 13.4	0.9		
			LN	M_S=5.3		12.0	3.00
			LE			15.0	8.30
NJ2	19.5	345	+P	08 49 03.0	1.4		
			LN	M_S=5.2		11.0	1.00
			LE			13.0	4.30
			LZ	M_S=4.7		16.0	2.65
WHN	19.7	332	eP	08 49 06.5	2.1		
			PP	08 49 23.5	0.9		
			eS	08 52 36.0	−3.6		
			iSS	08 53 03.0	−3.5		
			LE	M_S=5.4		12.0	6.30
			LZ	M_S=5.3		16.0	10.8
GYA	21.5	310	P	08 49 25.0	1.9		
			LN	M_S=5.6		18.0	10.6
			LE			18.0	11.0
TIA	23.9	344	−P	08 49 46.0	−0.2		
KMI	23.9	303	+P	08 49 47.5	0.5		
XAN	25.2	328	P	08 49 58.2	−1.2		
			S	08 54 15.0	−4.3		
			LE	M_S=5.5		14.0	6.80
CD2	26.2	315	eP	08 50 07.5	−0.8		
TIY	26.7	338	eP	08 50 12.8	−0.6		
			sP	08 50 26.0	−0.7		
			LN	M_S=5.4		14.0	2.71
			LE			14.5	4.41
			LZ	M_S=5.4		16.0	7.73
BJI	27.7	346	eP	08 50 21.0	−1.4		
			LE	M_S=5.3		14.0	3.93
SNY	28.5	358	eP	08 50 28.6	−0.4		
LZH	29.5	324	eP	08 50 37.0	−1.7		
			LN	M_S=5.9		15.0	12.3
			LE			15.0	5.19
HHC	29.8	339	eP	08 50 41.4	0.1		
			LN	M_S=5.4		14.0	2.70
			LE			13.0	2.40
CN2	30.4	1	eP	08 50 48.0	1.5		
			PMZ	m_B=5.7		4.0	0.60
			sP	08 51 03.0	3.0		
			eS	08 55 46.0	2.2		
			SME	m_B=5.5		7.0	0.70
			LE	M_S=5.5		11.0	3.60
			LZ	M_S=5.3		15.0	4.60
MDJ	31.5	7	+P	08 50 55.5	−0.5		
			pP	08 51 05.0	−0.3		
			sP	08 51 09.0	−0.4		
			S	08 56 01.0	1.2		
			sS	08 56 17.0	0.5		
			SS	08 57 50.0	1.1		
			LZ	M_S=5.6		14.0	8.30
GTA	34.1	324	P	08 51 17.8	−1.2		
			PMZ	m_B=5.8		5.5	0.81
			sS	08 57 00.0	2.4		
			SMN	m_B=5.7		10.0	1.40
			LN	M_S=5.6		16.0	4.16
			LE			15.0	3.86
			LZ	M_S=5.4		16.0	6.23

FEB 24d 08h 44m 53.5±0.08s, SD1.44/35
13.44 N±1.57km, 124.89 E±1.61km, h31±0.28km
Samar (251)

M_S5.6 / 19, m_B5.7 / 5,

GZH	14.6	313	eP	08	48	19.5	0.1		
			LN			M_S = 5.7		15.0	18.3
			LE					15.0	21.0
GYA	21.4	310	+P	08	49	42.0	0.4		
			pP	08	49	50.0	0.2		
TIA	23.7	344	P	08	50	04.6	0.6		
			sP	08	50	17.0	0.6		
			S	08	54	17.0	3.6		
			SMN			m_B = 5.7		7.0	1.00
			SME					7.0	1.45
			sS	08	54	27.5	−0.5		
			LE			M_S = 5.2		14.0	3.91
KMI	23.9	302	+iP	08	50	06.5	0.7		
			LE			M_S = 5.5		14.0	7.15
XAN	25.1	327	P	08	50	18.0	0.4		
DL2	25.5	354	+P	08	50	21.0	−0.4		
			PMZ			m_B = 5.4		10.0	0.96
			sP	08	50	32.0	−1.8		
			S	08	54	45.0	1.1		
			sS	08	54	58.0	−0.9		
			LN			M_S = 5.5		13.0	1.55
			LE					16.0	7.69
			LZ			M_S = 5.1		16.0	4.71
CD2	26.1	315	+iP	08	50	26.8	0.1		
			LE			M_S = 5.8		15.0	13.2
			LZ			M_S = 5.6		15.0	13.6
SNY	28.3	358	+iP	08	50	46.0	−0.8		
			PMZ			m_B = 5.9		4.0	1.00
			pP	08	50	57.0	1.5		
			iS	08	55	31.0	1.1		
			SME			m_B = 5.8		7.0	1.65
			SS	08	56	54.0	0.1		
			LN			M_S = 5.6		18.0	5.46
			LE					16.0	5.38
			LZ			M_S = 5.3		18.0	6.28
LSA	35.1	303	+P	08	51	46.0	−1.2		
			pP	08	51	57.0	1.4		
			S	08	57	17.0	0.8		
			ScS	09	02	06.0	4.0		
			LN			M_S = 5.2		15.0	1.30
			LE					14.0	1.75
WMQ	43.9	321	P	08	53	00.0	0.3		
			pP	08	53	07.5	−1.1		
			PP	08	54	42.5	−1.0		
			ScP	08	58	35.5	2.3		
			S	08	59	30.0	2.2		
			ScS	09	02	57.0	3.9		
			LE			M_S = 5.9		15.0	7.71
			LZ			M_S = 5.8		16.0	8.64
KSH	50.2	311	+iP	08	53	50.0	1.0		
			PP	08	55	47.0	2.6		
			S	09	01	02.0	5.4		
			sS	09	01	15.0	2.3		
			LE			M_S = 6.0		15.0	6.80

FEB 24d 10h 42m 34.9 ± 0.09s, SD1.17 / 37
50.74 N ± 2.31km, 173.60 E ± 1.26km, h33 ± 0.24km
Aleutian Islands region (16)

CN2	32.9	277	eP	10	49	08.0	−0.7
BJI	40.8	278	eP	10	50	15.0	0.1
TIA	42.4	272	eP	10	50	29.6	0.9
HHC	43.2	282	eP	10	50	36.0	1.0
BTO	44.3	282	eP	10	50	44.0	0.1
TIY	44.5	278	P	10	50	46.5	1.1
WHN	47.9	269	eP	10	51	13.1	1.0
XAN	49.0	276	P	10	51	20.2	−0.8
LZH	50.9	282	eP	10	51	35.5	0.0
GTA	51.3	288	P	10	51	37.8	−0.5
WMQ	55.6	299	P	10	52	10.0	0.0
GYA	55.6	271	P	10	52	10.0	−0.2
KMI	59.0	273	eP	10	52	34.0	−0.6
KSH	64.9	302	eP	10	53	18.0	3.8

FEB 24d 14h 07m 28.8 ± 0.10s, SD1.59 / 40
23.39 N ± 1.25km, 94.07 E ± 1.04km, h73 ± 0.23km
Burma–India border region (294)

LSA	6.8	338	−P	14	09	09.2	0.5	
			S	14	10	25.0	0.3	
			SME				1.0	0.19
KMI	8.1	76	eP	14	09	27.5	1.3	
GYA	11.8	72	P	14	10	17.8	1.1	
QZN	15.3	103	eP	14	11	05.5	3.1	
GTA	16.7	16	P	14	11	18.8	−1.0	
XAN	16.8	47	P	14	11	19.5	−1.2	
WHN	19.4	64	eP	14	11	53.0	1.1	
WMQ	21.0	347	P	14	12	10.2	1.2	
TIY	21.2	44	eP	14	12	13.2	2.1	
KSH	22.3	320	eP	14	12	23.5	2.4	

FEB 24d 14h 58m 34.8 ± 0.09s, SD1.41 / 34
13.45 N ± 1.25km, 124.82 E ± 1.94km, h37 ± 0.43km
Samar (251)

WHN	19.6	332	eP	15	03	05.0	2.5
GYA	21.4	310	P	15	03	23.0	1.4
XAN	25.1	328	+iP	15	03	56.8	−0.9
CD2	26.0	315	eP	15	04	06.0	−0.8
TIY	26.6	338	eP	15	04	12.1	0.4
BJI	27.6	346	eP	15	04	20.0	−0.7
GTA	34.0	324	P	15	05	16.6	−0.9
WMQ	43.9	321	P	15	06	40.2	0.4

FEB 24d 15h 43m 14.1 ± 0.11s, SD2.43 / 54
0.50 S ± 4.71km, 91.60 W ± 5.78km, h10 ± 0.60km
Galapagos Islands region (696)

MDJ	122.9	326	ePKP	16	02	12.0	0.1
CN2	125.7	327	ePKP	16	02	16.0	−1.3
BJI	133.2	331	ePKP	16	02	32.0	0.3
TIA	135.6	326	ePKP	16	02	37.6	1.5
SSE	136.5	318	ePKP	16	02	34.5	−3.3
TIY	136.9	332	ePKP	16	02	39.4	0.9
WMQ	136.9	1	PKP	16	02	32.0	−6.6
GTA	139.9	346	ePKP	16	02	45.0	0.9
WHN	141.3	323	ePKP	16	02	43.5	−2.9
XAN	141.5	332	ePKP	16	02	49.0	2.1
LZH	141.8	340	ePKP	16	02	44.0	−3.5
CD2	146.4	336	PKP	16	02	57.7	2.3
GZH	147.0	315	−PKP	16	03	01.0	4.8
GYA	148.8	327	PKP	16	03	01.0	1.7
LSA	150.9	355	ePKP	16	03	04.2	1.3
KMI	151.9	332	iPKP	16	03	05.5	1.3

FEB 24d 17h 18m 00.6 ± 0.09s, SD1.22 / 89
13.47 N ± 1.29km, 124.74 E ± 1.57km, h32 ± 0.23km
Samar (251)
M_S5.1 / 40, m_B5.5 / 10, m_b4.7 / 6,

GZH	14.4	313	eP	17	21	24.0	−0.6		
QZN	15.3	293	eP	17	21	34.5	−1.8		
			LN			M_S = 5.0		14.0	2.40
			LE					15.0	4.50
SSE	17.8	350	P	17	22	10.0	1.9		
			PMZ			m_b = 4.5		0.9	0.020
			pP	17	22	19.0	3.4		
			iS	17	25	28.0	4.4		
			SME			m_B = 5.5		11.0	2.35
			LN			M_S = 5.0		12.0	2.31

		LE			12.0	2.64	
NJ2	19.3	345	eP	17 22 28.5	3.1		
			S	17 25 57.0	2.1		
			LN	M_S=5.0	12.0	0.71	
			LE		12.5	3.01	
WHN	19.5	332	eP	17 22 29.5	1.5		
			pP	17 22 38.0	2.0		
			PP	17 22 43.0	−2.7		
			S	17 26 05.0	4.4		
			LZ	M_S=5.0	14.0	4.80	
GYA	21.3	310	P	17 22 48.0	0.9		
			LN	M_S=5.5	14.0	5.90	
			LE		14.0	5.20	
TIA	23.6	345	eP	17 23 10.0	−0.2		
			S	17 27 21.0	2.1		
			SME	m_B=5.6	12.0	2.26	
			LN	M_S=4.8	13.0	1.31	
KMI	23.7	302	+P	17 23 11.5	0.3		
			sP	17 23 24.5	0.8		
			eS	17 27 26.0	4.5		
			sS	17 27 40.0	4.6		
			LN	M_S=5.1	14.0	2.90	
XAN	25.0	328	P	17 23 22.5	−0.9		
			S	17 27 42.0	0.0		
			LE	M_S=5.1	13.0	2.23	
DL2	25.5	354	eP	17 23 28.8	1.0		
			esP	17 23 43.0	2.4		
			eS	17 27 50.0	−0.6		
			esS	17 28 03.0	−2.2		
			LN	M_S=5.1	12.0	1.21	
			LE		12.0	1.69	
			LZ	M_S=4.8	16.0	2.06	
CD2	26.0	315	eP	17 23 32.1	−0.3		
			LE	M_S=5.4	13.0	4.84	
			LZ	M_S=5.2	15.0	5.22	
TIY	26.5	338	eP	17 23 36.9	−0.6		
			LN	M_S=5.1	14.0	2.22	
			LE		12.5	1.10	
			LZ	M_S=5.1	15.0	3.55	
BJI	27.5	346	eP	17 23 45.0	−1.5		
			eS	17 28 21.0	−2.9		
			LE	M_S=5.1	15.0	2.39	
SNY	28.3	358	+P	17 23 53.5	0.2		
			iS	17 28 32.0	−4.0		
			SME		16.0	1.39	
			SS	17 29 56.0	−3.8		
			LN	M_S=5.2	20.0	2.22	
			LE		16.0	2.72	
			LZ	M_S=4.9	18.0	2.96	
LZH	29.3	324	eP	17 24 03.0	0.1		
			PMZ	m_b=4.9	2.0	0.050	
			LN	M_S=5.4	16.0	3.86	
			LE		16.0	2.93	
HHC	29.6	340	eP	17 24 05.8	0.4		
			pP	17 24 15.0	0.7		
			PP	17 25 04.0	2.5		
			S	17 29 01.0	4.4		
			LN	M_S=4.9	13.0	1.05	
			LE		13.0	0.72	
BTO	29.9	337	P	17 24 07.0	−1.4		
			pP	17 24 17.0	−0.3		
			ePP	17 25 04.0	−1.8		
			eSS	17 30 36.0	−3.2		
			LN	M_S=5.1	12.0	1.10	
			LE		14.0	1.30	
			LZ	M_S=4.7	12.0	1.10	
CN2	30.2	1	eP	17 24 11.0	0.2		
			pP	17 24 20.0	0.1		
			eS	17 29 08.0	0.7		
			LE	M_S=5.0	12.0	1.30	
			LZ	M_S=4.8	15.0	1.70	
MDJ	31.3	7	eP	17 24 19.7	−0.8		
			sP	17 24 30.0	−3.3		
			S	17 29 24.0	0.6		
			sS	17 29 40.0	0.7		
			SS	17 31 13.0	2.0		
			LZ	M_S=4.9	14.0	1.90	
GTA	33.9	324	P	17 24 42.2	−1.1		
			PcP	17 27 21.8	1.0		
			SMN		16.0	0.59	
			LN	M_S=5.2	14.5	1.26	
			LE		13.5	1.66	
			LZ	M_S=4.9	16.0	1.96	
LSA	35.0	303	P	17 24 52.0	−0.9		
WMQ	43.8	321	P	17 26 06.0	0.4		
			S	17 32 38.0	5.2		
			LZ	M_S=5.4	16.0	3.68	
KSH	50.0	311	P	17 26 57.0	2.2		
			pP	17 27 06.0	2.2		
			eS	17 34 07.0	4.1		
			sS	17 34 20.0	2.0		
			LE	M_S=5.5	14.0	1.90	

FEB 24d 19h 17m 07.4±0.16s, SD3.02/20
27.20 N±1.04km, 101.00 E±1.40km, h18±0.43km
Yunnan Province (318)
M_L3.5/8,

KMI	2.6	143	Pg	19 17 54.0	0.4		
			Sg	19 18 26.0	−2.8		
			SMN	M_L=3.7	1.5	0.50	
			SME		1.5	0.28	
			LE		5.0	1.20	
CD2	4.4	33	ePn	19 18 14.8	0.8		
			SMN	M_L=3.6	0.8	0.070	
			SME		1.0	0.14	
GYA	5.1	97	Pn	19 18 27.8	4.1		
			Pg	19 18 43.4	5.7		
			Sg	19 19 51.0	3.3		
			SMN	M_L=3.5	1.0	0.060	
			SME		1.0	0.040	
XAN	9.6	43	eP	19 19 25.7	−2.9		
WHN	12.2	71	eP	19 20 01.5	−1.5		

FEB 25d 03h 53m 09.7±0.08s, SD1.02/48
0.33 S±1.27km, 126.15 E±1.84km, h33±0.08km
Molucca Sea (269)

GYA	32.6	326	P	03 59 40.2	−0.7		
WHN	32.7	341	eP	03 59 42.0	0.4		
KMI	34.0	320	+P	03 59 53.5	0.7		
TIA	37.3	348	eP	04 00 20.5	−0.6		
XAN	37.8	336	P	04 00 24.1	−1.3		
DL2	39.3	354	eP	04 00 38.0	0.7		
TIY	39.9	343	eP	04 00 42.8	−0.1		
BJI	41.2	348	+P	04 00 54.0	0.6		
LZH	41.8	333	eP	04 00 58.5	0.4		
SNY	42.0	357	eP	04 01 00.0	−0.2		
HHC	43.1	344	eP	04 01 10.0	1.1		
BTO	43.3	342	eP	04 01 13.2	2.4		
MDJ	44.9	3	eP	04 01 22.8	−0.3		
GTA	46.3	332	−iP	04 01 34.7	−0.2		
WMQ	55.7	327	P	04 02 46.5	0.4		

FEB 25d 05h 59m 27.0±0.08s, SD1.72/54
42.40 N±0.98km, 122.51 E±0.91km, h26±0.18km
North-Eastern China (658)
M_S4.1/11, M_L5.0/17,

SNY	1.0	126	iPg	05 59 44.9	0.1			
			Sg	05 59 58.0	−0.5			
			SMN	M_L=5.2		1.0	62.5	
			SME			1.0	39.2	
CN2	2.6	56	−iPn	06 00 09.1	1.8			
			iPg	06 00 15.3	2.9			
			SMN	M_L=5.1		1.0	9.20	
			SME			1.0	10.3	
DL2	3.6	191	Pn	06 00 21.7	0.7			
			Pg	06 00 31.3	1.4			
			iSg	06 01 14.2	−4.4			
			SMN	M_L=5.1		1.0	2.50	
			SME			1.0	8.21	
BJI	5.3	246	Pn	06 00 45.0	−0.3			
			Pg	06 01 01.0	−0.1			
			Sg	06 02 13.0	−1.1			
MDJ	5.6	64	Pn	06 00 50.0	0.9			
			Pg	06 01 09.2	3.3			
			Sg	06 02 26.0	3.4			
			SMN	M_L=4.7		0.8	0.70	
TIA	7.5	216	Pn	06 01 14.0	−0.7			
			Sn	06 02 36.1	−4.5			
			Sg	06 03 24.8	4.0			
			SMN	M_L=4.6		0.9	0.20	
			SME			0.9	0.21	
			SMZ	M_L=4.6		0.9	0.15	
HHC	8.3	263	eP	06 01 29.0	−0.5			
			SMN	M_L=5.2		0.8	0.60	
			SME			0.7	0.61	
TIY	9.0	242	P	06 01 37.4	−1.6			
			SMN			0.8	0.28	
			SME			0.9	0.49	
			LN	M_S=3.7		14.0	0.56	
BTO	9.5	263	eP	06 01 45.0	−1.1			
			eS	06 03 37.0	3.2			
			LN	M_S=4.1		9.0	0.70	
			LE			9.0	0.60	
			LZ	M_S=3.9		8.0	0.50	
WHN	13.5	212	eP	06 02 43.0	3.1			
			LE	M_S=4.0		12.0	0.50	
XAN	13.5	236	P	06 02 41.9	1.7			
			LE	M_S=4.0		11.0	0.46	
LZH	15.8	253	eP	06 03 12.0	2.7			
GTA	17.4	268	eP	06 03 30.2	0.1			
			LN	M_S=4.5		5.0	0.45	
CD2	18.9	239	eP	06 03 47.7	−0.5			
GYA	20.5	224	+P	06 04 05.6	−0.8			
KMI	23.7	230	eP	06 04 34.0	−4.4			
			LE	M_S=4.4		14.0	0.53	

FEB 25d 06h 40m 39.1±0.11s, SD1.66/56
30.07 N±1.77km, 69.80 E±1.81km, h32±0.26km
Pakistan (710)
M_S4.5/7, m_b4.9/2,

KSH	10.7	26	eP	06 43 13.0	−0.3			
			sP	06 43 25.0	0.3			
			eS	06 45 16.0	3.0			
LSA	18.5	86	P	06 44 55.0	−0.6			
WMQ	19.8	41	P	06 45 09.0	−0.6			
			PP	06 45 25.5	−2.4			
			S	06 48 46.0	1.1			
			sS	06 48 55.0	−2.2			
			SS	06 49 09.8	−2.6			
			LZ	M_S=4.3		20.0	1.18	
GTA	26.3	61	P	06 46 14.7	0.9			
			LN	M_S=4.5		23.0	0.99	
LZH	29.1	69	eP	06 46 40.5	1.4			
			PMZ	m_b=4.8		2.0	0.040	
KMI	29.5	92	eP	06 46 43.5	0.0			
GYA	32.6	87	P	06 47 09.8	−0.4			
XAN	33.3	73	eP	06 47 15.0	−1.0			
BTO	34.2	61	eP	06 47 25.2	1.1			
TIY	36.0	66	eP	06 47 39.2	0.0			
WHN	38.3	78	P	06 47 59.0	0.5			
			LN	M_S=4.9		14.0	0.78	
BJI	38.9	62	eP	06 48 05.0	1.5			
SSE	43.9	75	eP	06 48 47.5	2.4			
			LN	M_S=4.5		24.0	0.50	
CN2	45.7	57	eP	06 49 00.0	0.4			
MDJ	48.7	55	eP	06 49 20.8	−1.8			

FEB 25d 11h 45m 05.4±0.04s, SD0.75/40
41.80 N±0.53km, 133.66 E±0.58km, h477±0.49km
Sea of Japan (660)

MDJ	4.1	315	+iP	11 46 23.7	−0.2			
			iS	11 47 27.3	1.7			
CN2	6.4	291	−iP	11 46 45.4	−0.2			
			sP	11 48 04.5	0.0			
			S	11 48 04.0	−0.4			
DL2	9.6	256	eP	11 47 20.8	0.5			
BJI	13.3	268	eP	11 47 59.0	−0.7			
TIY	16.8	263	+iP	11 48 36.2	1.0			
XAN	21.0	256	P	11 49 14.3	−0.8			
LZH	23.8	266	eP	11 49 41.0	−0.4			
GTA	25.7	276	−iP	11 49 58.2	−0.2			

FEB 25d 14h 22m 09.9±0.05s, SD1.15/24
21.27 S±2.04km, 173.80 W±1.13km, h54±0.29km
Tonga (173)

MDJ	83.4	323	eP	14 34 33.5	−0.3			
CN2	85.3	321	eP	14 34 44.0	0.7			
WHN	86.1	305	eP	14 34 48.5	1.6			
BJI	89.2	314	eP	14 35 02.5	0.5			
XAN	91.7	306	P	14 35 15.0	1.1			

FEB 26d 02h 31m 19.8±0.23s, SD1.48/54
18.00 S±1.46km, 69.66 W±1.29km, h113±1.97km
Near coast of Northern Chile (122)

WMQ	148.0	32	PKP	02 50 50.4	0.6			
MDJ	148.9	333	ePKP	02 50 51.0	−0.3			
CN2	151.3	337	ePKP	02 50 55.0	0.1			
GTA	156.8	21	PKP	02 51 03.2	0.6			
BJI	157.5	348	ePKP	02 51 04.0	0.7			
LSA	159.0	53	+PKP	02 51 05.9	0.2			
TIY	160.3	355	ePKP	02 51 06.4	−0.3			
TIA	160.9	343	PKP	02 51 08.1	0.9			
XAN	164.0	4	PKP	02 51 10.8	0.4			
NJ2	164.0	333	+PKP	02 51 11.0	0.6			
CD2	165.8	24	ePKP	02 51 13.2	1.0			
WHN	167.0	344	ePKP	02 51 14.0	1.1			
KMI	170.0	44	−PKP	02 51 15.5	0.5			
GYA	170.9	21	PKP	02 51 15.6	0.1			

FEB 26d 06h 17m 29.9±0.16s, SD1.34/92
37.34 S±2.38km, 47.84 E±2.51km, h8±0.37km
Atlantic–Indian Ridge (428)
M_S7.1/53, m_B6.9/40, m_b6.6/3,

LSA	78.1	38	+P	06 29 30.0	−2.1			
			S	06 39 29.0	5.5			
			SME	m_B=7.1		9.0	13.1	
			LE	M_S=7.0		19.0	40.8	
KSH	80.7	22	P	06 29 49.0	2.8			
			iS	06 40 00.0	6.5			
			SME	m_B=7.1		10.0	15.6	
			LE	M_S=7.1		17.0	49.3	
KMI	80.8	49	−P	06 29 46.5	−0.1			

			PP	06 32 50.0	−1.5			
			S	06 39 52.2	0.1			
			LN	M_S=7.1		21.0	57.8	
			LZ	M_S=6.9		22.0	62.6	
QZN	80.9	58	+P	06 29 48.5	1.5			
			PMZ	m_B=6.9		9.0	10.7	
			iS	06 40 01.0	5.9			
			LN	M_S=7.2		18.0	41.6	
			LE			18.0	36.2	
GYA	84.1	50	+P	06 30 03.6	−0.3			
			S	06 40 27.0	0.7			
			LN	M_S=7.1		18.0	34.7	
			LE			18.0	31.3	
CD2	85.7	46	P	06 30 11.1	−0.5			
			iS	06 40 45.0	1.7			
			LN	M_S=7.3		21.0	79.2	
			LZ	M_S=7.1		22.0	92.9	
GZH	86.0	57	+P	06 30 14.6	1.3			
			PMZ	m_B=7.1		5.0	8.38	
			SKS	06 40 37.5	2.1			
			S	06 40 43.0	−2.1			
			SMN			22.0	16.5	
			SME			24.0	25.6	
			SS	06 46 22.0	−4.5			
			LN	M_S=7.1		18.0	31.0	
			LE			21.0	32.6	
WMQ	88.5	28	P	06 30 25.0	−0.2			
			PMZ	m_B=6.9		12.0	12.2	
			PP	06 33 57.5	3.0			
			SKS	06 40 45.0	−6.1			
			S	06 41 05.0	−3.2			
			SS	06 47 04.0	2.2			
			LE	M_S=6.8		20.0	25.2	
			LZ	M_S=7.1		26.0	103	
LZH	89.6	42	+P	06 30 30.0	−0.6			
			PMZ	m_B=6.9		8.0	6.23	
			SMN			14.0	5.43	
			sS	06 41 25.0	−3.7			
			LN	M_S=7.3		22.0	66.5	
			LE			20.0	29.4	
GTA	90.1	38	+iP	06 30 31.7	−1.1			
			PP	06 34 04.0	−3.2			
			PPMZ	m_B=6.8		8.0	3.45	
			LN	M_S=7.3		26.0	86.9	
			LE			26.0	35.8	
			LZ	M_S=7.1		28.0	94.9	
QZH	90.8	59	−P	06 30 36.0	−0.2			
			PMZ	m_B=6.8		8.0	4.41	
			iPP	06 34 13.0	0.7			
			PPMZ	m_B=6.9		8.0	4.25	
			S	06 41 30.0	0.4			
			SME			16.0	6.88	
			sS	06 41 36.0	−3.8			
			SS	06 47 31.0	−4.6			
			LN	M_S=7.2		38.0	74.5	
			LE			38.0	78.3	
XAN	90.9	47	P	06 30 35.5	−1.2			
			PMZ	m_B=6.9		9.0	5.94	
			SKS	06 41 12.0	6.2			
			S	06 41 33.0	2.6			
			SS	06 47 42.0	5.1			
			LE	M_S=6.9		18.0	24.0	
WHN	91.8	52	eP	06 30 40.0	−0.5			
			PMZ	m_B=6.8		10.0	5.70	
			pP	06 30 44.0	−1.6			
			PP	06 34 24.0	3.2			
			SKS	06 41 13.0	2.3			
			isS	06 41 48.0	−0.3			
			LN	M_S=7.2		19.0	36.6	
			LE			20.0	48.2	
			LZ	M_S=7.2		20.0	86.5	
TIY	95.5	46	−P	06 30 56.9	−1.0			
			PMZ			13.0	5.75	
			PP	06 34 55.0	5.1			
			PPMZ	m_B=6.9		11.0	5.52	
			SKS	06 41 36.5	4.9			
			S	06 42 16.5	6.1			
			LN	M_S=7.0		19.0	20.1	
			LE			20.0	26.6	
			LZ	M_S=6.7		26.0	31.6	
NJ2	95.7	54	−P	06 30 57.5	−0.8			
			PP	06 34 51.0	0.1			
			LN	M_S=7.0		17.0	5.62	
			LE			15.5	24.9	
			LZ	M_S=6.8		22.0	32.7	
BTO	96.2	43	+P	06 31 02.0	1.1			
			PMZ	m_B=7.0		6.0	2.30	
			sP	06 31 07.5	−0.9			
			PP	06 34 54.0	−1.2			
			S	06 42 19.0	3.0			
			LN	M_S=7.0		20.0	28.0	
			LE			20.0	20.9	
			LZ	M_S=6.7		20.0	24.7	
SSE	96.6	56	+iP	06 31 01.5	−0.9			
			PMZ	m_B=7.2		8.0	4.75	
			PP	06 34 58.0	−0.1			
			SKS	06 41 36.0	−0.7			
			S	06 42 16.0	−3.1			
			sS	06 42 34.0	4.6			
			LN	M_S=7.1		19.0	12.3	
			LE			18.0	37.6	
			LZ	M_S=7.0		18.0	46.6	
HHC	97.2	43	+P	06 31 05.0	−0.5			
			pP	06 31 10.0	−0.5			
			PPMZ	m_B=6.7		7.0	2.20	
			S	06 42 26.0	1.4			
			SS	06 49 09.5	3.6			
			LN	M_S=7.0		18.0	21.1	
			LE			18.0	14.6	
TIA	97.3	50	P	06 31 04.3	−1.5			
			PMZ	m_B=6.8		9.5	1.88	
			sP	06 31 10.2	−3.2			
			PPMZ	m_B=6.8		9.0	3.42	
			S	06 42 24.0	−1.3			
			SS	06 49 12.5	5.5			
			LN	M_S=6.9		10.0	12.6	
			LE			16.0	11.6	
			LZ	M_S=6.6		16.0	16.4	
BJI	99.3	46	eP	06 31 15.5	0.9			
			PMZ	m_B=6.9		9.0	2.02	
			PP	06 35 20.0	1.4			
			SKS	06 41 52.0	1.1			
			eS	06 42 42.0	−1.6			
			SS	06 49 34.0	−0.5			
			LN	M_S=7.0		17.0	19.6	
			LE			17.0	20.0	
DL2	101.8	50	+P	06 31 26.0	0.0			
			PMZ			13.0	1.94	
			PP	06 35 40.0	2.1			
			iSKS	06 42 10.0	6.9			
			SS	06 50 10.0	0.4			
			LN	M_S=7.1		20.0	37.1	
			LE			20.0	17.2	
			LZ	M_S=6.7		28.0	28.9	
SNY	104.7	49	+P	06 31 40.0	0.9			
			PP	06 36 00.0	−0.6			

			SKS	06 42 23.0	6.2			
			S	06 43 25.0	−2.5			
			SS	06 50 48.0	−2.2			
			LN	M_S=7.0		17.0	14.6	
			LE			18.0	20.0	
			LZ	M_S=6.9		18.0	34.9	
CN2	107.0	48	Pdif	06 31 49.0	0.0			
			PP	06 36 17.0	−0.7			
			PPMZ	m_B=7.2		8.0	6.20	
			SS	06 51 18.0	−3.0			
			LN	M_S=7.0		17.0	18.5	
			LE			17.0	14.8	
MDJ	109.9	49	Pdif	06 32 02.0	0.1			

FEB 26d 09h 30m 08.7±0.03s, SD0.65/12
37.33 S±0.67km, 47.81 E±0.58km, h10±0.06km
Atlantic–Indian Ridge (428)

LSA	78.1	38	P	09 42 10.2	−0.5			
GYA	84.1	50	P	09 42 43.0	0.6			
CD2	85.7	46	P	09 42 50.4	0.3			

FEB 26d 09h 55m 35.2±0.08s, SD0.90/56
17.86 S±1.44km, 171.93 W±1.17km, h33±0.24km
Tonga region (174)
M_S5.2/2, m_B5.7/7,

SSE	80.6	307	−P	10 07 45.6	−1.0			
			PMZ	m_B=5.7		10.0	0.95	
			PP	10 10 52.0	0.8			
			eSKS	10 18 00.0	3.6			
			LZ	M_S=5.2		20.0	1.02	
MDJ	81.8	322	eP	10 07 52.1	−1.2			
			S	10 18 04.0	2.2			
			LZ	M_S=5.1		20.0	0.90	
CN2	83.9	320	−P	10 08 02.5	−1.2			
			PMZ	m_B=5.9		4.0	0.50	
			pP	10 08 13.0	−0.3			
			eSKS	10 18 20.0	0.7			
			eS	10 18 23.0	−1.1			
			SME	m_B=5.8		7.0	0.50	
			LN	M_S=5.1		12.0	0.30	
			LZ	M_S=5.0		18.0	0.60	
DL2	83.9	314	eP	10 08 05.0	1.1			
			esP	10 08 22.0	4.7			
			eS	10 18 30.0	5.6			
			SMN			15.0	1.17	
SNY	84.0	317	−P	10 08 04.5	−0.1			
QZN	85.1	292	P	10 08 12.0	2.0			
			eS	10 18 40.0	3.5			
WHN	85.6	304	P	10 08 13.0	0.5			
			PMZ	m_B=5.9		6.0	0.70	
			pP	10 08 22.0	0.0			
			S	10 18 46.0	6.3			
			SME	m_B=5.6		10.0	0.60	
TIA	85.9	310	P	10 08 13.8	0.1			
BJI	88.2	313	eP	10 08 25.0	0.2			
TIY	89.9	310	−P	10 08 33.5	0.3			
			pP	10 08 43.0	0.3			
			S	10 19 15.0	−4.9			
			SMN	m_B=5.5		10.0	0.41	
			LZ	M_S=5.1		20.0	0.75	
GYA	90.4	298	−P	10 08 36.4	0.7			
			pP	10 08 47.0	1.8			
XAN	91.2	305	−P	10 08 39.0	−0.2			
HHC	91.7	312	−P	10 08 42.0	0.3			
BTO	92.7	312	P	10 08 46.0	−0.3			
			sP	10 09 00.0	0.3			
			PP	10 12 28.0	−1.9			
			SKS	10 19 17.0	2.5			
			eS	10 19 46.0	−0.9			
KMI	93.3	295	−P	10 08 50.0	0.7			
LZH	95.8	306	eP	10 09 00.0	−0.4			

FEB 26d 11h 50m 31.8±0.10s, SD1.93/35
36.34 N±1.80km, 68.76 E±1.40km, h36±0.54km
Hindu Kush region (718)
M_S4.8/1, M_L5.1/1, m_b4.5/1,

KSH	6.5	59	P	11 52 11.0	3.4			
			pP	11 52 16.0	1.9			
			S	11 53 24.0	3.3			
			LN	M_S=4.8		5.0	4.30	
LSA	19.9	103	+P	11 55 05.4	1.8			
GTA	24.6	73	P	11 55 52.8	2.0			
XAN	32.7	82	P	11 57 03.7	−0.2			
GYA	33.6	96	P	11 57 12.4	0.7			
BJI	37.1	70	eP	11 57 42.0	0.9			

FEB 26d 12h 54m 48.9±0.26s, SD2.24/11
36.28 N±0.95km, 81.14 E±0.85km, h7±1.72km
Kashmir–Tibet border region (304)
M_L4.5/6,

KSH	5.2	310	Pn	12 56 08.1	−0.1			
			Sn	12 57 11.5	0.6			
			SMN	M_L=4.7		0.6	0.70	
			SME			0.6	0.90	
WMQ	9.1	32	eP	12 57 06.0	2.7			
			S	12 58 50.0	3.7			
			SMN			0.6	0.040	
			SME			0.8	0.050	

FEB 26d 13h 42m 25.9±0.14s, SD1.46/40
37.19 S±2.74km, 47.74 E±2.25km, h9±0.25km
Atlantic–Indian Ridge (428)
M_S5.3/2, m_b5.4/1,

LSA	78.0	38	+P	13 54 27.2	−0.3			
			S	14 04 23.5	5.1			
KSH	80.6	22	P	13 54 42.0	0.6			
			pP	13 54 47.0	0.5			
			eS	14 04 49.5	1.5			
KMI	80.7	49	−P	13 54 42.5	0.4			
			pP	13 54 52.5	5.3			
			eS	14 04 44.0	−5.3			
			LZ	M_S=5.1		20.0	0.90	
GYA	84.1	51	P	13 54 59.6	0.1			
CD2	85.6	46	P	13 55 07.2	0.1			
WMQ	88.4	28	P	13 55 20.5	0.0			
LZH	89.5	42	eP	13 55 26.0	−0.1			
			PMZ	m_b=5.4		2.0	0.050	
GTA	90.0	38	P	13 55 27.6	−0.7			
			LN	M_S=5.3		27.0	1.00	
			LZ	M_S=5.0		27.0	0.80	
XAN	90.9	47	P	13 55 31.3	−0.9			
WHN	91.8	52	eP	13 55 35.8	−0.4			
			LZ	M_S=5.4		20.0	1.30	
TIY	95.5	46	eP	13 55 52.0	−1.4			
			S	14 07 10.0	4.4			
			LE	M_S=5.3		16.0	0.51	
			LZ	M_S=5.2		18.0	0.73	

FEB 26d 17h 52m 33.2±0.13s, SD1.26/35
37.29 S±2.17km, 47.79 E±1.62km, h9±0.28km
Atlantic–Indian Ridge (428)
m_b5.4/1,

LSA	78.0	38	P	18 04 34.8	−0.2			
KSH	80.7	22	eP	18 04 50.0	0.9			
KMI	80.8	49	eP	18 04 49.0	−0.6			
GYA	84.1	50	P	18 05 07.2	0.3			

CD2	85.7	46	eP	18 05 14.7	0.2			
WMQ	88.5	28	P	18 05 28.0	−0.1			
LZH	89.6	42	eP	18 05 33.5	−0.1			
			PMZ	m_b=5.4		2.0	0.050	
GTA	90.1	38	P	18 05 35.0	−0.7			
XAN	90.9	47	P	18 05 39.4	−0.3			
WHN	91.8	52	eP	18 05 41.0	−2.5			
			LZ	M_S=5.1		20.0	0.64	
TIY	95.5	46	eP	18 05 58.4	−2.4			

FEB 27d 05h 32m 55.0±0.05s, SD0.77/26
37.33 S±1.15km, 47.98 E±0.80km, h10±0.10km
Atlantic–Indian Ridge (428)

LSA	78.0	37	+P	05 44 56.0	−0.5			
GYA	84.0	50	P	05 45 29.0	0.8			
CD2	85.6	45	P	05 45 36.4	0.5			
WMQ	88.4	28	P	05 45 49.0	−0.7			
LZH	89.5	42	eP	05 45 55.0	0.0			
GTA	90.0	38	+iP	05 45 56.7	−0.5			

FEB 27d 07h 28m 27.3±0.06s, SD0.84/69
5.30 S±0.80km, 131.14 E±1.16km, h32±0.13km
Banda Sea (280)
M_S5.2/3, m_b5.1/5,

SSE	37.4	346	+P	07 35 40.2	0.6			
			PMZ	m_b=5.1		1.0	0.030	
NJ2	38.9	343	+P	07 35 53.0	0.7			
WHN	39.1	337	eP	07 35 55.0	1.4			
			PMZ	m_b=5.5		1.2	0.090	
GYA	39.5	324	+P	07 35 57.6	0.7			
			PcP	07 38 04.8	0.5			
KMI	40.9	319	eP	07 36 10.5	1.3			
TIA	43.3	343	P	07 36 28.4	−0.1			
XAN	44.4	333	+iP	07 36 36.7	−0.5			
CD2	44.5	326	P	07 36 37.8	−0.3			
TIY	46.2	339	+P	07 36 51.4	−0.2			
BJI	47.2	344	eP	07 36 59.0	−0.1			
SNY	47.4	352	+P	07 37 00.5	−0.4			
LZH	48.5	330	+P	07 37 10.0	0.5			
			PMZ	m_b=5.4		1.5	0.080	
CN2	49.1	355	eP	07 37 13.8	−0.6			
HHC	49.3	340	+P	07 37 16.0	0.1			
BTO	49.6	339	eP	07 37 17.8	−0.5			
MDJ	49.7	359	eP	07 37 18.5	−0.3			
			S	07 44 24.0	0.4			
			LZ	M_S=5.2		14.0	1.80	
LSA	51.8	315	+P	07 37 34.7	−0.4			
GTA	53.1	330	+iP	07 37 44.1	−0.2			
			PcP	07 38 52.0	0.3			
WMQ	62.6	326	+iP	07 38 51.5	0.1			
KSH	67.6	317	eP	07 39 24.5	0.9			

FEB 27d 07h 50m 01.4±0.05s, SD1.16/28
47.92 N±3.04km, 154.73 E±2.64km, h16±1.57km
Kurile Islands (221)
M_S4.6/6, m_b5.2/1,

MDJ	17.7	269	eP	07 54 07.3	−1.6			
CN2	20.7	269	−P	07 54 44.5	0.1			
			epP	07 54 52.5	2.1			
			eS	07 58 30.0	−0.7			
			LE	M_S=4.6		13.0	1.00	
			LZ	M_S=4.5		14.0	1.20	
TIY	32.3	267	eP	07 56 32.2	−0.2			
			LE	M_S=4.6		17.0	0.60	
			LZ	M_S=4.4		23.0	0.92	
BTO	32.5	274	eP	07 56 33.0	−1.0			
WHN	35.3	255	eP	07 56 55.0	−3.1			
LZH	39.0	271	eP	07 57 29.5	0.3			
			PMZ	m_b=5.2		2.0	0.040	
GTA	39.9	279	P	07 57 36.6	−0.2			
			LE	M_S=4.8		16.0	0.71	
			LZ	M_S=4.7		17.0	1.02	
CD2	42.1	265	P	07 57 55.8	1.0			
GYA	43.0	258	P	07 58 03.6	0.8			
WMQ	45.5	291	P	07 58 22.0	−0.8			

FEB 27d 10h 14m 02.3±0.08s, SD1.48/31
9.25 S±1.58km, 114.22 E±1.91km, h69±0.32km
South of Java (282)

GYA	36.2	348	P	10 21 02.8	1.7
XAN	43.3	354	P	10 21 58.7	−1.1
LSA	44.6	331	P	10 22 10.8	0.1
GTA	50.2	345	eP	10 22 54.2	0.1
CN2	53.8	10	eP	10 23 20.0	−0.5
WMQ	58.0	338	P	10 23 50.2	−1.0
KSH	60.1	326	eP	10 24 05.0	−0.7

FEB 27d 10h 51m 30.0±0.08s, SD1.07/19
24.34 S±1.66km, 177.33 W±1.01km, h176±0.25km
South of Fiji (171)

MDJ	84.0	325	eP	11 03 44.0	1.4			
CN2	85.7	322	eP	11 03 51.0	0.0			
TIY	90.3	312	eP	11 04 11.0	−1.9			

FEB 27d 13h 33m 09.7±0.10s, SD3.63/8
40.37 N±1.18km, 77.38 E±0.74km, h3±0.40km
Southern Xinjiang Province (321)
M_L3.8/5,

KSH	1.4	233	iPg	13 33 33.3	−1.4			
			Sg	13 33 51.2	−2.5			
			SMN	M_L=4.0		0.3	2.30	
WMQ	8.4	62	P	13 35 15.2	−0.5			
			SMN	M_L=3.5		0.8	0.010	
GTA	17.2	86	eP	13 37 13.2	−0.4			

FEB 27d 13h 46m 16.9±0.18s, SD1.57/50
20.73 S±7.44km, 173.90 W±7.57km, h28±1.97km
Tonga (173)
M_S5.3/7, m_B5.9/9,

QZH	79.8	302	eP	13 58 24.0	−0.8			
			eS	14 08 23.0	−1.9			
SSE	80.8	308	+P	13 58 30.0	−0.4			
			PMZ	m_B=5.8		6.0	0.63	
			S	14 08 32.0	−2.2			
			SKS	14 08 42.0	1.0			
			LZ	M_S=4.9		20.0	0.60	
MDJ	83.0	323	eP	13 58 42.0	0.5			
			pP	13 58 47.0	−3.2			
			S	14 09 00.0	3.9			
			SME	m_B=6.0		7.0	0.90	
NJ2	83.0	308	eP	13 58 42.4	0.6			
			S	14 08 53.5	−3.2			
QZN	84.5	293	eP	13 58 50.0	0.8			
			S	14 09 12.0	0.8			
DL2	84.6	315	+P	13 58 50.0	0.3			
			S	14 09 10.0	−2.2			
			LZ	M_S=4.8		16.0	0.35	
CN2	84.9	321	+P	13 58 51.0	−0.2			
			PMZ	m_B=6.1		4.0	0.70	
			eS	14 09 13.0	−3.8			
			SMN	m_B=5.9		7.0	0.70	
			LE	M_S=5.5		19.0	1.20	
			LZ	M_S=5.3		20.0	1.20	
SNY	84.9	318	eP	13 58 49.6	−1.7			
WHN	85.7	305	eP	13 58 56.0	0.8			
			PMZ	m_B=6.1		4.0	0.69	

			eS	14 09 26.0	1.1			
			sS	14 09 34.0	−5.4			
			LZ	M_S = 5.2		20.0	1.00	
TIA	86.3	311	eP	13 58 58.8	0.6			
BJI	88.8	314	eP	13 59 10.0	−0.2			
			PMZ	m_B = 5.9		5.0	0.49	
			eSKS	14 09 36.0	1.8			
			eS	14 09 54.0	−0.1			
GYA	90.1	298	P	13 59 17.8	1.2			
			sP	13 59 29.0	0.1			
			S	14 10 10.0	5.3			
TIY	90.3	310	eP	13 59 18.0	0.5			
			S	14 10 12.0	5.5			
			SMN	m_B = 5.7		8.0	0.34	
			SME			8.0	0.49	
			LE	M_S = 5.3		17.0	0.60	
			LZ	M_S = 5.1		20.0	0.75	
XAN	91.4	306	P	13 59 22.4	0.1			
HHC	92.3	313	eP	13 59 27.6	0.9			
KMI	92.9	296	+P	13 59 30.5	0.9			
			pP	13 59 43.0	4.9			
			LZ	M_S = 5.3		20.0	1.00	
BTO	93.2	312	eP	13 59 29.0	−2.1			
GTA	100.1	308	eP	14 00 02.2	−0.1			
			LE	M_S = 5.3		18.0	0.54	
			LZ	M_S = 5.1		18.0	0.49	

FEB 27d 16h 23m 34.2 ± 0.12s, SD2.33 / 17
59.96 S ± 3.55km, 27.79 W ± 3.04km, h76 ± 0.50km
South Sandwich Islands region (153)

GTA	141.7	98	ePKP	16 42 52.6	−5.6			
TIY	146.4	113	ePKP	16 43 07.9	1.5			
TIA	147.3	121	ePKP	16 43 09.6	1.9			
BTO	147.6	108	ePKP	16 43 11.2	2.9			
BJI	150.0	115	ePKP	16 43 10.0	−2.1			

FEB 27d 17h 45m 22.6 ± 0.07s, SD1.66 / 27
13.32 N ± 2.44km, 125.35 E ± 2.36km, h49 ± 1.12km
Samar (251)

WHN	19.9	331	P	17 49 53.5	0.3			
GYA	21.9	310	P	17 50 12.0	−1.2			
KMI	24.3	302	eP	17 50 37.5	0.2			
XAN	25.5	327	+P	17 50 46.0	−2.0			
CD2	26.5	315	eP	17 50 55.1	−2.6			
TIY	26.9	337	eP	17 51 01.0	−0.3			
BJI	27.8	345	eP	17 51 07.0	−2.6			
GTA	34.4	324	P	17 52 06.0	−1.6			
LSA	35.6	303	−P	17 52 16.6	−1.5			

FEB 27d 20h 22m 49.3 ± 0.08s, SD1.13 / 57
13.53 N ± 1.44km, 125.02 E ± 1.74km, h74 ± 0.34km
Luzon (249)
M_g4.4 / 7,

SSE	17.8	349	eP	20 26 55.2	1.0			
			S	20 30 12.0	4.8			
			LN	M_S = 4.4		10.0	0.50	
			LE			10.0	0.50	
WHN	19.6	332	eP	20 27 15.7	1.6			
			LN	M_S = 4.4		12.0	0.70	
GYA	21.5	310	P	20 27 34.4	0.6			
KMI	23.9	302	eP	20 27 59.0	1.1			
			eS	20 32 12.0	5.5			
			sS	20 32 31.0	−3.8			
			LN	M_S = 4.3		14.0	0.50	
XAN	25.1	327	+P	20 28 08.2	−0.8			
CD2	26.1	315	eP	20 28 18.2	−0.3			
TIY	26.6	337	eP	20 28 22.0	−0.6			
			LE	M_S = 4.3		12.0	0.34	
BJI	27.5	345	eP	20 28 29.5	−1.8			
SNY	28.2	358	eP	20 28 40.0	2.4			
LZH	29.4	323	eP	20 28 49.0	0.4			
HHC	29.7	339	eP	20 28 50.0	−0.5			
BTO	30.0	337	eP	20 28 53.0	−0.5			
CN2	30.2	1	eP	20 28 56.6	1.7			
GTA	34.0	324	P	20 29 28.2	−0.5			
LSA	35.2	303	P	20 29 38.4	−0.6			
WMQ	43.9	321	eP	20 30 52.2	1.3			

FEB 27d 23h 14m 50.8 ± 0.07s, SD1.10 / 43
1.41 N ± 0.89km, 126.34 E ± 1.30km, h83 ± 0.50km
Molucca Passage (266)

WHN	31.1	340	P	23 21 05.0	0.9			
GYA	31.3	324	P	23 21 05.2	−0.3			
CD2	36.3	326	eP	23 21 47.8	−0.9			
XAN	36.3	335	P	23 21 47.8	−1.0			
TIY	38.3	342	eP	23 22 07.3	1.7			
BJI	39.5	348	eP	23 22 16.0	0.4			
SNY	40.3	357	eP	23 22 21.8	−0.2			
LZH	40.3	331	eP	23 22 21.5	−0.7			
CN2	42.2	359	eP	23 22 38.6	1.0			
MDJ	43.1	3	eP	23 22 46.0	1.0			
LSA	43.7	313	eP	23 22 49.7	−0.6			
GTA	44.9	331	P	23 23 00.0	0.5			
			PcP	23 24 41.4	2.0			
WMQ	54.4	326	P	23 24 12.2	0.0			

FEB 28d 01h 35m 33.8 ± 0.07s, SD0.94 / 54
6.86 S ± 0.84km, 130.49 E ± 1.33km, h101 ± 0.19km
Banda Sea (280)

NJ2	40.3	345	−P	01 43 03.0	0.3			
WHN	40.3	338	eP	01 43 04.0	1.1			
GYA	40.4	326	P	01 43 04.0	0.1			
XAN	45.5	335	P	01 43 44.7	−0.8			
TIY	47.4	340	eP	01 43 58.8	−1.8			
			LZ			14.0	0.36	
BJI	48.5	345	+P	01 44 08.5	−0.3			
			PcP	01 45 34.0	0.9			
LZH	49.5	331	eP	01 44 17.0	0.2			
HHC	50.6	341	eP	01 44 24.6	−0.1			
CN2	50.6	355	eP	01 44 24.0	−1.1			
BTO	50.8	340	eP	01 44 26.8	−0.1			
LSA	52.4	316	P	01 44 38.2	−1.0			
GTA	54.1	331	P	01 44 50.8	−0.2			
			iPcP	01 45 55.3	1.6			
WMQ	63.5	327	P	01 45 57.0	0.5			
KSH	68.3	317	eP	01 46 25.0	−1.8			

FEB 28d 03h 19m 34.6 ± 0.08s, SD1.15 / 70
11.07 N ± 1.25km, 93.44 E ± 1.21km, h120 ± 0.22km
Andaman Islands region (703)
m_B5.5 / 6, m_b5.2 / 2,

KMI	16.5	31	−iP	03 23 23.0	2.0			
			pP	03 23 33.5	1.4			
			sP	03 23 56.0	1.1			
			S	03 26 23.0	3.9			
QZN	17.7	62	+P	03 23 35.9	0.9			
			PcP	03 28 07.5	0.3			
			S	03 26 50.0	4.9			
			LN			10.0	0.70	
LSA	18.7	354	−P	03 23 44.2	−2.2			
			S	03 27 03.0	−3.2			
			SMN	m_B = 6.1		4.0	2.05	
GYA	19.7	37	−P	03 23 57.4	−0.2			
			pP	03 24 16.0	−2.6			
			PP	03 24 20.0	−1.8			
			S	03 27 32.0	4.0			

			ScP	03 31 35.4	1.1		
			PcS	03 31 48.4	1.7		
CD2	21.9	24	eP	03 24 19.5	−0.1		
			sP	03 25 02.8	4.2		
LZH	26.6	19	eP	03 25 05.5	1.2		
			PMZ	m_b = 4.9		1.2	0.040
			pP	03 25 33.0	3.5		
			eS	03 29 25.0	−3.9		
XAN	26.9	29	P	03 25 05.0	−1.6		
			PcP	03 28 26.2	0.6		
			S	03 29 27.5	−4.5		
			LE			10.0	0.43
WHN	27.4	42	eP	03 25 10.0	−1.4		
			PcP	03 28 27.5	0.6		
			eS	03 29 41.0	−0.5		
			ScP	03 31 55.5	0.7		
			LE			14.0	0.65
			LZ			16.0	0.96
GTA	28.8	10	P	03 25 23.6	−0.2		
			PcP	03 28 31.3	1.1		
			S	03 30 02.0	−0.5		
			PcS	03 32 12.6	1.1		
			ScS	03 35 53.6	2.2		
			SME	m_B = 5.0		6.0	0.36
			LE			11.0	0.19
NJ2	31.4	44	+P	03 25 45.7	−0.9		
TIY	31.5	30	eP	03 25 49.0	1.0		
			PPMZ			6.0	0.51
			S	03 30 43.0	−2.7		
			SME			14.0	0.36
			LN			15.0	0.66
			LE			15.0	0.85
			LZ			26.0	0.99
KSH	32.3	334	P	03 25 55.0	0.0		
			pP	03 26 19.0	−1.8		
			iS	03 30 59.0	−0.3		
			esS	03 31 45.0	0.3		
SSE	32.5	48	eP	03 25 55.5	−0.9		
			sP	03 26 32.0	−4.9		
			eS	03 31 04.0	2.2		
			LZ			16.0	0.89
BTO	32.9	24	eP	03 25 59.5	0.0		
			esP	03 26 37.5	−2.3		
			ePP	03 27 11.0	−1.6		
			S	03 31 05.0	−1.3		
WMQ	33.0	352	P	03 26 01.0	0.3		
			S	03 31 09.5	1.0		
			ScS	03 36 13.5	1.5		
BJI	35.2	31	eP	03 26 17.5	−1.7		
			PcP	03 28 48.0	0.4		
			eS	03 31 36.0	−7.1		
			ScP	03 32 21.0	0.3		
SNY	40.4	35	eP	03 27 01.4	−1.6		
CN2	42.8	34	+P	03 27 21.0	−1.1		
			pP	03 27 46.5	−2.5		
			eS	03 33 35.5	−1.2		
			SME	m_B = 5.4		7.0	0.50

FEB 28d 05h 01m 03.3 ± 0.19s, SD3.17 / 17
16.59 N ± 3.03km, 119.92 E ± 2.39km, h19 ± 0.76km
Luzon (249)

QZN	9.9	286	P	05 03 26.4	−1.6		
			S	05 05 12.6	−6.8		
GYA	15.8	311	P	05 04 44.0	−2.3		
XAN	20.0	332	P	05 05 43.0	4.9		
BJI	23.6	353	eP	05 06 12.5	−1.7		

FEB 28d 05h 55m 49.9 ± 0.10s, SD1.63 / 38
24.79 N ± 1.32km, 91.53 E ± 0.93km, h27 ± 0.97km
India–Bangladesh border region (315)
M_g4.0 / 1,

LSA	4.9	356	Pn	05 57 05.6	2.9		
			Pg	05 57 14.6	−1.9		
			Sn	05 58 03.0	3.2		
			LE			3.0	1.31
CD2	12.4	58	eP	05 58 46.8	−1.1		
GYA	13.8	80	P	05 59 04.8	−1.0		
LZH	15.5	40	eP	05 59 28.0	−0.1		
GTA	16.2	24	P	05 59 35.0	−2.1		
XAN	17.7	55	P	05 59 54.3	−2.2		
QZN	17.9	105	+P	06 00 01.2	2.0		
WMQ	19.2	352	eP	06 00 15.5	0.5		
WHN	21.0	69	eP	06 00 33.5	−0.3		
TIY	22.0	49	−P	06 00 43.7	0.0		

FEB 28d 12h 29m 45.1 ± 0.31s, SD2.53 / 7
35.34 N ± 2.84km, 80.85 E ± 1.07km, h10 ± km
Tibet (306)
M_L4.2 / 3,

KSH	5.7	318	ePn	12 31 11.0	0.3		
WMQ	10.0	30	eP	12 32 10.0	−1.9		
			S	12 34 02.1	−2.6		
			SMN			0.8	0.020

FEB 29d 00h 03m 13.0 ± 0.24s, SD1.68 / 37
52.07 N ± 4.06km, 174.63 E ± 1.49km, h30 ± 0.80km
Near Islands (5)
M_S4.9 / 1, m_b4.8 / 1,

CN2	33.4	276	eP	00 09 52.0	0.4		
DL2	38.6	272	eP	00 10 35.0	−0.3		
			epP	00 10 44.0	0.0		
TIA	43.0	272	eP	00 11 13.0	0.7		
BTO	44.6	282	eP	00 11 27.0	1.7		
TIY	45.0	277	eP	00 11 29.2	1.3		
WHN	48.6	268	eP	00 11 56.0	−0.1		
XAN	49.5	276	P	00 12 03.5	0.0		
LZH	51.3	281	eP	00 12 17.0	0.1		
			PMZ	m_b = 4.8		1.5	0.020
GTA	51.5	287	eP	00 12 17.4	−1.2		
			LN	M_S = 4.9		16.0	0.36
			LE			18.0	0.48
WMQ	55.5	299	eP	00 12 46.5	−1.6		
GYA	56.2	271	P	00 12 53.0	−0.3		

FEB 29d 02h 58m 32.0 ± 0.09s, SD0.74 / 30
22.31 S ± 0.38km, 179.46 W ± 0.76km, h602 ± 1.03km
South of Fiji (171)

WHN	82.4	307	+P	03 09 54.5	0.4		
TIA	83.5	313	+P	03 09 59.9	0.4		
BJI	86.2	316	eP	03 10 12.0	−0.7		
TIY	87.5	313	−P	03 10 18.9	0.2		
XAN	88.2	308	+P	03 10 22.3	0.5		
HHC	89.6	315	eP	03 10 28.8	0.0		
BTO	90.5	314	eP	03 10 33.8	0.8		

FEB 29d 04h 13m 25.7 ± 0.09s, SD1.68 / 39
44.60 N ± 2.64km, 147.95 E ± 1.34km, h113 ± 1.31km
Kurile Islands (221)

MDJ	13.1	277	eP	04 16 27.5	−1.1		
BJI	23.8	270	eP	04 18 30.0	0.3		
TIY	27.5	268	−P	04 19 04.2	0.7		
BTO	28.0	275	eP	04 19 09.2	0.3		
XAN	31.7	264	P	04 19 40.4	−0.9		
LZH	34.3	271	eP	04 20 04.0	0.1		
GTA	35.7	279	eP	04 20 16.6	0.8		
CD2	37.1	264	P	04 20 26.8	−0.2		

WMQ	42.3	291	eP	04 21 11.9	1.5			
	FEB 29d 05h 31m 40.1 ± 0.07s, SD0.95 / 106							
	55.25 N ± 1.69km, 167.30 E ± 1.07km, h33 ± 0.04km							
	Komandorsky Islands region				(4)			
	M_S7.4 / 51, m_B6.8 / 41, m_b6.3 / 7,							
MDJ	26.2	262	−P	05 37 13.5	−0.3			
			PMZ	m_B = 7.1		7.0	29.5	
			PP	05 37 58.0	2.5			
			sS	05 41 58.0	1.4			
			LZ	M_S = 7.1		18.0	519	
CN2	29.0	264	−iP	05 37 39.0	−0.7			
			PMZ	m_B = 6.8		8.0	15.6	
			sP	05 37 50.0	−2.8			
			S	05 42 24.0	−2.9			
			SMN	m_B = 7.1		11.0	47.8	
			LE	M_S = 7.3		13.0	330	
SNY	31.4	263	−iP	05 37 59.8	−0.4			
			PMZ			20.0	25.1	
			sP	05 38 11.0	−2.3			
			PP	05 39 08.0	4.4			
			iS	05 43 03.0	−1.2			
			SMN			14.0	46.8	
			SME			13.0	35.2	
DL2	34.4	261	−iP	05 38 26.0	−0.8			
			PMZ	m_B = 6.6		8.0	7.53	
			esP	05 38 36.0	−4.0			
			PP	05 39 44.0	1.7			
			PcP	05 41 04.0	2.4			
			eS	05 43 52.0	0.1			
			SMN			14.0	38.3	
			SME			10.0	14.2	
			LN	M_S = 7.5		17.0	405	
			LE			15.0	154	
BJI	36.8	267	−P	05 38 46.0	−0.7			
			PMZ	m_B = 6.8		8.0	12.8	
			ePP	05 40 08.0	−4.0			
			eS	05 44 25.0	−3.0			
			LN	M_S = 7.7		14.0	482	
			LE			15.0	410	
TIA	38.9	262	−P	05 39 04.3	0.0			
			PMZ	m_B = 6.5		10.0	7.80	
			sP	05 39 18.5	0.9			
			PP	05 40 39.0	1.7			
			PPMZ			11.0	13.4	
			S	05 45 00.0	0.9			
			SMN			15.0	38.8	
			SME			15.0	27.1	
			SS	05 47 44.0	1.2			
			ScS	05 49 10.0	1.2			
			LN	M_S = 7.4		17.0	311	
			LZ	M_S = 6.9		14.0	138	
HHC	38.9	272	−iP	05 39 05.0	0.6			
			PMZ	m_B = 6.7		8.0	10.5	
			PP	05 40 43.0	5.6			
			S	05 45 00.0	0.8			
			SMN			15.0	38.1	
			SME			16.0	29.5	
			LN	M_S = 7.4		22.0	322	
			LE			19.0	178	
BTO	39.9	273	−iP	05 39 14.0	0.9			
			PMZ	m_B = 7.1		6.0	18.3	
			sP	05 39 26.0	−0.4			
			PP	05 40 47.0	−2.0			
			iS	05 45 17.0	0.9			
			SMN	m_B = 6.9		8.0	14.6	
			SME			8.0	5.80	
			sS	05 45 28.5	−2.8			
			SS	05 48 07.5	1.6			
			ScS	05 49 16.0	1.1			
SSE	40.4	253	+iP	05 39 17.0	0.1			
			PMZ	m_B = 6.9		12.0	21.2	
			pP	05 39 25.0	−1.2			
			PP	05 40 56.0	2.2			
			S	05 45 20.0	−1.9			
			SME			18.0	15.3	
			sS	05 45 32.0	−6.3			
			SS	05 48 16.0	−0.2			
			eScS	05 49 22.0	4.4			
			LN	M_S = 7.2		14.0	69.2	
			LE			14.0	124	
TIY	40.5	268	−iP	05 39 18.7	0.9			
			PMZ			18.0	23.6	
			sP	05 39 33.5	2.4			
			PP	05 40 56.5	1.7			
			PPMZ			10.0	22.2	
			PcS	05 45 09.0	−0.4			
			iS	05 45 26.5	2.0			
			SMN			18.0	73.8	
			SS	05 48 23.0	4.7			
			ScS	05 49 13.0	−5.2			
			LN	M_S = 7.4		14.0	232	
			LE			14.0	128	
NJ2	40.9	256	−iP	05 39 21.5	0.0			
			pP	05 39 30.0	−0.8			
			PP	05 41 03.0	3.8			
			iS	05 45 31.0	−0.2			
			LE	M_S = 7.1		13.0	117	
WHN	44.6	259	−iP	05 39 51.0	−0.3			
			PMZ			16.0	18.6	
			pP	05 39 57.0	−3.7			
			sP	05 40 01.0	−3.6			
			iS	05 46 26.0	1.3			
			ScS	05 49 48.0	4.7			
			LN	M_S = 7.7		14.0	402	
			LZ	M_S = 7.2		19.0	250	
XAN	45.1	267	−P	05 39 55.5	0.2			
			PMZ	m_B = 6.7		10.0	12.2	
			PP	05 41 44.0	2.8			
			S	05 46 30.1	−0.7			
			SMN			16.0	37.0	
			SME			16.0	23.7	
			LN	M_S = 7.8		26.0	719	
			LE			24.0	506	
GTA	46.5	279	−iP	05 40 07.5	0.8			
			PMZ	m_B = 6.8		10.5	15.9	
			PP	05 41 54.5	−0.9			
			PPMZ			10.0	13.7	
			iS	05 46 52.0	−0.5			
			SMN			14.5	69.0	
			SME			14.0	42.5	
			SS	05 50 09.5	−0.4			
			LN	M_S = 7.8		19.0	406	
			LE			19.0	425	
			LZ	M_S = 7.6		17.0	565	
LZH	46.5	273	P	05 40 07.5	0.6			
			PMZ	m_B = 6.8		10.0	13.4	
			PP	05 41 54.0	−1.6			
			S	05 46 47.0	−4.4			
			SMN			15.0	58.7	
			LN	M_S = 7.3		15.0	56.7	
			LE			14.0	128	
QZH	46.6	250	−iP	05 40 07.5	0.1			
			PMZ	m_B = 6.5		10.0	7.37	
			sP	05 40 18.5	−2.3			
			PP	05 41 55.5	−1.0			

		PPMZ			10.0	8.64
		S	05 46 52.0	−0.7		
		SMN	$m_B = 6.9$		10.0	17.8
		SME			10.0	7.27
		ScS	05 49 58.0	1.7		
		SS	05 50 10.0	−1.8		
		LN	$M_S = 6.8$		12.0	37.4
		LE			12.0	24.8
WMQ	50.2 292	+iP	05 40 35.2	0.0		
		PMZ	$m_B = 7.0$		7.0	13.1
		PPMZ			10.0	27.0
		S	05 47 48.0	5.4		
		SMN	$m_B = 7.3$		9.0	17.5
		SME			8.0	25.7
		LE	$M_S = 7.9$		19.0	745
CD2	50.3 268	−iP	05 40 36.5	0.2		
		PP	05 42 35.7	3.6		
		iS	05 47 48.5	2.4		
		LE	$M_S = 7.4$		13.0	139
		LZ	$M_S = 7.2$		14.0	163
GZH	51.0 253	−P	05 40 41.5	0.5		
		PMZ	$m_B = 6.7$		8.0	7.90
		S	05 47 53.0	−0.4		
		ScS	05 50 29.0	3.9		
		LN	$M_S = 7.4$		14.0	100
		LE			14.0	144
GYA	52.0 262	P	05 40 49.2	−0.1		
		pP	05 40 56.6	−2.1		
		PP	05 42 50.0	2.6		
		S	05 48 10.0	1.5		
		LN	$M_S = 7.7$		19.0	308
		LE			19.0	271
KMI	55.3 265	−iP	05 41 13.5	−0.1		
		PMZ	$m_B = 6.8$		7.0	7.90
		sP	05 41 24.0	−2.8		
		PP	05 43 20.0	2.2		
		S	05 48 52.0	−0.6		
		SMN	$m_B = 7.0$		11.0	23.4
		SS	05 52 36.0	−0.9		
		LE	$M_S = 7.7$		19.0	348
		LZ	$M_S = 6.9$		27.0	132
QZN	56.1 254	−P	05 41 20.0	0.7		
		PMZ	$m_B = 6.8$		9.0	10.2
		sP	05 41 31.0	−1.8		
		PP	05 43 26.0	0.7		
		S	05 49 08.0	4.2		
		LN	$M_S = 7.3$		17.0	71.7
		LE			19.0	132
LSA	58.4 278	P	05 41 34.7	−1.4		
		S	05 49 38.0	4.1		
		LE	$M_S = 7.5$		17.0	188
KSH	59.4 296	+iP	05 41 44.0	1.5		
		epP	05 41 52.0	0.2		
		ePP	05 43 59.0	4.3		
		iS	05 49 50.0	2.0		
		ScS	05 51 28.0	2.7		
		LN	$M_S = 7.8$		18.0	368

FEB 29d 05h 49m 05.1 ± 0.10s, SD1.27 / 60
55.34 N ± 2.05km, 166.95 E ± 1.17km, h34 ± 0.26km
Komandorsky Islands region (4)

MDJ	26.0	261	eP	05 54 36.0	−0.9
CN2	28.8	264	eP	05 55 03.0	0.2
			pP	05 55 12.5	0.4
DL2	34.2	260	eP	05 55 51.0	0.9
BJI	36.6	267	eP	05 56 10.0	0.1
BTO	39.7	273	P	05 56 37.2	0.9
SSE	40.2	252	+P	05 56 44.5	4.2
TIY	40.3	267	eP	05 56 41.4	0.4
NJ2	40.8	255	−P	05 56 50.0	5.1
WHN	44.4	258	+P	05 57 15.0	0.3
XAN	44.9	267	P	05 57 18.0	−0.6
WMQ	50.0	292	−iP	05 57 58.5	0.2
GYA	51.9	262	P	05 58 12.6	−0.2
LSA	58.2	277	−P	05 58 58.3	−1.1

FEB 29d 06h 17m 34.0 ± 0.08s, SD1.03 / 44
55.20 N ± 1.46km, 167.09 E ± 0.76km, h35 ± 0.29km
Komandorsky Islands region (4)

MDJ	26.1	262	eP	06 23 08.0	1.5
CN2	28.9	264	eP	06 23 33.0	0.6
BTO	39.8	273	eP	06 25 07.6	1.6
WHN	44.5	259	eP	06 25 43.2	−0.9
XAN	45.0	267	P	06 25 48.5	0.3
WMQ	50.1	292	+iP	06 26 28.4	0.1
CD2	50.2	268	eP	06 26 29.6	0.4
GYA	51.9	262	P	06 26 42.0	−0.2
LSA	58.3	277	P	06 27 28.4	−0.7

FEB 29d 07h 38m 43.7 ± 0.07s, SD1.56 / 57
41.52 N ± 1.97km, 142.19 E ± 1.36km, h85 ± 0.84km
Hokkaido region (224)

MDJ	9.7	293	eP	07 41 05.0	2.2
CN2	12.5	286	eP	07 41 40.0	−0.5
DL2	15.9	267	eP	07 42 27.0	2.8
BJI	19.7	274	eP	07 43 06.5	−2.8
SSE	19.8	245	eP	07 43 12.5	2.3
TIA	20.2	263	−P	07 43 11.9	−2.3
NJ2	20.9	251	−P	07 43 22.4	1.2
TIY	23.2	270	eP	07 43 42.4	−1.5
BTO	24.2	279	eP	07 43 54.8	1.0
WHN	24.9	253	eP	07 44 01.0	0.3
XAN	27.2	265	P	07 44 20.5	−1.4
CD2	32.5	264	eP	07 45 07.6	−1.4
GYA	32.8	254	P	07 45 12.0	0.5
WMQ	39.5	292	P	07 46 09.0	0.8

FEB 29d 07h 45m 46.1 ± 0.10s, SD1.19 / 57
55.18 N ± 1.86km, 167.24 E ± 0.98km, h33 ± 0.33km
Komandorsky Islands region (4)

MDJ	26.1	262	eP	07 51 20.5	1.0
CN2	29.0	264	eP	07 51 45.0	−0.4
SNY	31.3	263	−P	07 52 05.5	−0.4
DL2	34.4	261	eP	07 52 35.5	3.0
BJI	36.7	267	eP	07 52 52.0	−0.4
BTO	39.9	273	eP	07 53 20.6	1.6
TIY	40.4	268	P	07 53 23.8	0.2
WHN	44.5	259	eP	07 53 57.5	0.5
XAN	45.0	267	P	07 54 01.2	0.1
GTA	46.5	279	+P	07 54 12.5	−0.1
LZH	46.5	273	eP	07 54 13.0	0.3
WMQ	50.2	292	P	07 54 40.6	−0.6
CD2	50.3	268	eP	07 54 42.0	−0.1
GYA	52.0	262	P	07 54 56.0	0.9
KMI	55.3	265	eP	07 55 20.0	0.7

FEB 29d 07h 49m 09.8 ± 0.09s, SD1.21 / 26
55.09 N ± 2.40km, 167.07 E ± 1.32km, h33 ± 0.02km
Komandorsky Islands region (4)

MDJ	26.0	262	eP	07 54 43.5	1.3
CN2	28.9	264	eP	07 55 07.0	−1.1
BTO	39.8	273	eP	07 56 44.8	2.9
WHN	44.4	259	eP	07 57 20.5	0.7
LZH	46.4	273	eP	07 57 36.5	0.8
GTA	46.4	279	−P	07 57 35.9	0.2
WMQ	50.1	292	P	07 58 04.0	−0.5

CD2	50.2	268	eP	07 58 04.4	−0.7		
GYA	51.9	262	P	07 58 15.6	−2.4		

FEB 29d 10h 03m 38.7 ± 0.08s, SD1.14 / 86
2.39 N ± 1.06km, 128.73 E ± 1.58km, h65 ± 0.41km
Djailolo Gilolo (Halmahera) (267)
M_S4.6 / 2, m_b5.2 / 3,

QZH	24.5	337	−iP	10 08 54.5	1.5		
			eS	10 13 12.0	6.0		
			sS	10 13 32.0	0.2		
			LN	M_S = 4.3		16.0	0.51
QZN	24.8	313	P	10 08 57.0	0.6		
GZH	25.4	325	P	10 09 03.8	1.7		
SSE	29.4	347	+P	10 09 39.0	0.3		
			pP	10 09 53.0	−1.1		
			LZ	M_S = 4.2		16.0	0.44
NJ2	30.9	344	+P	10 09 52.0	−0.1		
WHN	31.1	336	−P	10 09 55.0	1.2		
			LZ	M_S = 4.4		26.0	1.00
GYA	32.0	320	P	10 10 01.8	0.6		
KMI	33.7	314	+P	10 10 17.0	0.3		
TIA	35.3	344	+P	10 10 29.3	−0.7		
XAN	36.5	332	+P	10 10 40.0	−0.2		
CD2	36.9	323	P	10 10 43.4	0.0		
DL2	36.9	351	eP	10 10 44.0	0.5		
TIY	38.2	339	+P	10 10 54.0	−0.3		
			S	10 16 47.5	5.4		
			LN	M_S = 4.8		16.0	0.78
			LZ	M_S = 4.6		16.0	0.71
BJI	39.2	345	+P	10 11 02.0	−0.2		
SNY	39.5	354	+P	10 11 05.4	0.1		
LZH	40.7	328	P	10 11 16.5	1.6		
			PMZ	m_b = 5.7		1.5	0.18
CN2	41.3	356	eP	10 11 20.0	−0.2		
BTO	41.6	338	eP	10 11 22.2	−0.5		
MDJ	42.1	1	−P	10 11 27.5	1.4		
LSA	44.8	311	P	10 11 48.7	−0.2		
GTA	45.3	328	+iP	10 11 52.2	−0.1		
			PcP	10 13 32.3	1.5		
WMQ	55.0	325	+iP	10 13 05.5	−0.5		
KSH	60.4	315	eP	10 13 45.0	0.4		
			esP	10 14 03.0	−5.7		
			eS	10 21 59.0	5.4		

FEB 29d 11h 18m 22.0 ± 0.12s, SD1.02 / 28
24.77 S ± 1.06km, 179.64 E ± 1.03km, h506 ± 1.55km
South of Fiji (171)

NJ2	81.0	311	+P	11 29 44.3	−0.9		
MDJ	82.8	327	eP	11 29 54.5	0.0		
WHN	83.3	308	P	11 29 57.3	0.5		
CN2	84.4	324	eP	11 30 02.0	−0.3		
TIA	84.6	314	+P	11 30 03.7	0.4		
GYA	86.9	301	P	11 30 14.8	0.2		
BJI	87.4	317	eP	11 30 16.5	−0.4		
TIY	88.5	313	+P	11 30 22.7	0.5		
CD2	91.3	304	P	11 30 35.8	1.0		

FEB 29d 11h 24m 15.0 ± 0.06s, SD1.12 / 51
37.61 N ± 1.06km, 72.13 E ± 0.96km, h106 ± 0.28km
Afghanistan–USSR border region (717)
m_b5.1 / 3,

KSH	3.5	56	P	11 25 14.0	4.5		
			S	11 25 55.5	5.4		
			SMN			0.4	3.70
			SME			0.5	4.70
WMQ	13.3	57	+iP	11 27 21.0	−0.4		
			S	11 29 42.0	−5.0		
			LZ			2.0	0.10
LSA	17.7	111	P	11 28 15.8	−0.6		
GTA	21.7	77	+iP	11 28 59.2	0.2		
LZH	25.4	84	eP	11 29 35.0	0.7		
			PMZ	m_b = 4.5		1.5	0.020
BTO	29.4	72	eP	11 30 11.0	0.0		
XAN	29.9	86	P	11 30 14.7	−0.8		
BJI	34.1	72	eP	11 30 52.0	−0.1		
WHN	35.4	89	P	11 31 03.0	−0.2		
NJ2	38.4	84	+P	11 31 29.0	0.7		
DL2	38.5	72	eP	11 31 29.0	0.1		
SSE	40.6	84	−P	11 31 47.5	0.9		
			PMZ	m_b = 5.1		1.0	0.030

FEB 29d 13h 36m 03.9 ± 0.15s, SD1.43 / 40
4.68 N ± 2.67km, 126.44 E ± 2.93km, h33 ± 0.23km
Talaud Islands (263)
M_S4.6 / 1, m_b5.0 / 1,

WHN	28.1	337	P	13 41 57.5	2.1		
KMI	30.5	314	−P	13 42 18.0	1.2		
XAN	33.4	333	P	13 42 40.7	−1.6		
CD2	33.7	323	eP	13 42 43.8	−0.8		
DL2	34.3	353	eP	13 42 50.0	−0.1		
TIY	35.3	341	P	13 43 01.4	3.2		
			eS	13 48 30.0	0.6		
			LZ	M_S = 4.3		22.0	0.65
BJI	36.4	347	eP	13 43 07.0	−0.5		
SNY	37.1	356	−P	13 43 15.9	2.7		
LZH	37.5	329	eP	13 43 17.5	0.2		
			PMZ	m_b = 5.0		1.5	0.040
MDJ	39.9	4	eP	13 43 37.3	0.7		
GTA	42.1	329	P	13 43 54.9	−0.5		
			LN	M_S = 4.6		24.0	0.67
			LZ	M_S = 4.4		19.0	0.43
WMQ	51.8	325	eP	13 45 10.8	−0.3		

FEB 29d 14h 00m 18.9 ± 0.19s, SD2.78 / 8
36.94 N ± 1.74km, 83.39 E ± 0.98km, h9 ± 0.01km
Southern Xinjiang Province (321)
M_L3.6 / 6,

WMQ	7.6	24	ePn	14 02 14.4	3.9		
			Sg	14 04 11.2	−6.3		
			SMN	M_L = 3.7		1.0	0.020
			SME			1.0	0.030

FEB 29d 16h 21m 37.3 ± 0.13s, SD1.12 / 36
78.16 N ± 1.44km, 6.66 E ± 1.34km, h11 ± 0.32km
Svalbard region (643)
M_S4.9 / 4,

WMQ	45.7	87	P	16 30 02.6	1.7		
GTA	52.4	77	P	16 30 52.8	0.1		
			LN	M_S = 4.8		14.0	0.36
MDJ	52.8	49	eP	16 30 52.4	−3.0		
CN2	52.9	53	−P	16 30 56.2	−0.2		
SNY	54.5	55	−P	16 31 07.8	−0.4		
BJI	55.0	62	eP	16 31 11.5	0.1		
TIY	56.5	66	+P	16 31 23.0	0.2		
			esS	16 39 23.0	0.9		
			LE	M_S = 5.1		21.0	1.02
			LZ	M_S = 4.8		20.0	0.87
TIA	58.9	62	eP	16 31 39.0	−0.1		
			LE	M_S = 5.0		15.0	0.50
WHN	63.9	66	eP	16 32 12.0	−0.8		
GYA	66.3	75	+P	16 32 29.0	0.0		
			SMN			0.4	3.70
			SME			0.5	4.70
WMQ	13.3	57	+iP	11 27 21.0	−0.4		
			S	11 29 42.0	−5.0		
			LZ			2.0	0.10