Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
JUN 1d 04h 08m 18.9 ± 0.14s, SD1.66 / 46							
10.96 S ± 2.52km, 165.54 E ± 2.30km, h34 ± 0.54km							
Santa Cruz Islands					(184)		
M_S5.0 / 3, m_b5.0 / 2,							
SSE	59.6	316	eP	04 18 26.0	3.4		
			eS	04 26 31.0	1.7		
NJ2	61.8	315	−P	04 18 36.4	−0.9		
CN2	65.6	329	eP	04 19 00.5	−1.4		
			pP	04 19 10.5	−1.3		
			eS	04 27 41.5	−2.1		
			LN	M_S = 5.0		11.0	0.30
			LZ	M_S = 4.9		16.0	0.70
GYA	68.2	304	P	04 19 18.4	−0.4		
BJI	68.3	321	eP	04 19 18.0	−1.1		
			eS	04 28 16.0	−0.4		
			LZ	M_S = 4.5		24.0	0.32
TIY	69.4	317	eP	04 19 23.8	−2.1		
			eS	04 28 32.0	2.6		
			LE	M_S = 5.0		15.0	0.46
			LZ	M_S = 4.8		20.0	0.63
KMI	70.9	301	eP	04 19 37.0	1.5		
			eS	04 28 54.0	6.3		
			LZ	M_S = 4.8		20.0	0.60
CD2	72.4	307	P	04 19 44.0	−0.1		
BTO	72.5	319	eP	04 19 45.2	0.4		
LZH	74.5	312	eP	04 19 57.5	0.6		
			PMZ	m_b = 5.2		1.5	0.044
GTA	78.9	314	P	04 20 20.8	−0.4		
WMQ	88.9	315	eP	04 21 14.5	2.6		
JUN 1d 04h 39m 40.4 ± 0.09s, SD1.66 / 79							
37.00 N ± 1.62km, 141.65 E ± 1.65km, h61 ± 1.29km							
Near east coast of Honshu					(228)		
M_S4.0 / 4, m_b4.9 / 7,							
CN2	14.1	304	eP	04 43 03.0	4.5		
DL2	15.9	283	eP	04 43 22.0	−0.1		
SSE	17.9	257	P	04 43 47.0	−0.4		
			epP	04 43 57.2	−1.3		
			LE	M_S = 4.1		16.0	0.50
			LZ	M_S = 3.8		20.0	0.50
NJ2	19.4	262	eP	04 44 02.5	−2.0		
			pP	04 44 12.0	−4.3		
			LZ	M_S = 3.8		16.0	0.35
TIA	19.7	275	eP	04 44 06.6	−1.0		
BJI	20.1	286	eP	04 44 11.5	−0.9		
QZH	23.1	245	P	04 44 40.5	−1.2		
TIY	23.2	281	eP	04 44 42.0	−1.0		
WHN	23.5	262	+P	04 44 47.0	0.7		
BTO	24.8	288	eP	04 45 00.3	1.3		
XAN	26.7	273	+P	04 45 17.0	0.4		
LZH	30.3	280	eP	04 45 49.5	1.1		
			PMZ	m_b = 5.1		1.0	0.038
			sP	04 46 10.5	1.5		
			LZ	M_S = 3.9		24.0	0.30
GYA	31.4	261	−P	04 45 58.2	−0.2		
			pP	04 46 13.0	0.6		
			S	04 51 02.6	3.6		
CD2	31.9	270	+iP	04 46 02.3	−0.1		
GTA	32.8	287	P	04 46 10.2	0.0		
			PMZ	m_b = 4.8		0.8	0.012
KMI	35.1	262	+P	04 46 32.0	1.1		
WMQ	41.0	297	eP	04 47 23.6	3.8		
JUN 1d 07h 25m 06.0 ± 0.21s, SD2.04 / 29							
52.07 S ± 3.58km, 159.61 E ± 4.29km, h8 ± 1.64km							
Macquarie Island region					(167)		
SSE	89.4	328	eP	07 38 02.5	−2.9		
			epP	07 38 09.7	−1.0		
GYA	90.9	314	P	07 38 11.6	−0.9		
NJ2	91.1	326	−P	07 38 19.0	5.8		
			eS	07 49 06.0	−3.1		
			LZ	M_S = 4.7		20.0	0.31
WHN	91.3	322	eP	07 38 15.3	0.9		
KMI	91.5	311	−P	07 38 17.5	2.0		
CD2	96.0	314	eP	07 38 36.9	1.0		
XAN	96.5	320	eP	07 38 38.0	−0.3		
JUN 1d 08h 48m 24.7 ± 0.12s, SD2.23 / 35							
38.95 N ± 1.95km, 71.43 E ± 1.86km, h33 ± 0.34km							
Afghanistan−USSR border region					(717)		
M_S4.1 / 2, M_L4.8 / 3,							
KSH	3.5	79	Pn	08 49 21.0	3.0		
			Pg	08 49 27.5	0.1		
			Sn	08 50 05.0	5.0		
			Sg	08 50 12.0	−4.0		
			SMN	M_L = 4.8		0.6	2.40
WMQ	13.2	63	P	08 51 32.5	0.4		
			eS	08 54 01.5	3.1		
			LN	M_S = 4.2		7.0	0.49
LZH	25.8	86	P	08 53 57.0	1.9		
CD2	27.6	97	eP	08 54 13.0	1.6		
XAN	30.4	88	−iP	08 54 36.8	0.3		
GYA	32.0	102	P	08 54 50.4	0.0		
WHN	36.0	90	eP	08 55 26.0	1.1		
JUN 1d 13h 24m 58.1 ± 0.10s, SD1.39 / 79							
2.17 S ± 1.54km, 123.15 E ± 2.18km, h29 ± 0.16km							
Sulawesi (Celebes)					(268)		
M_S4.7 / 17, m_b5.2 / 5,							
QZN	24.8	329	eP	13 30 20.4	1.1		
			sP	13 30 37.0	5.7		
			S	13 34 35.5	−1.3		
			sS	13 34 49.0	−2.0		
			LE	M_S = 4.6		11.0	0.62
GZH	26.9	340	P	13 30 39.0	0.4		
			eS	13 35 10.0	−1.6		
			sS	13 35 29.0	3.5		
QZH	27.3	351	eP	13 30 42.0	−0.7		
			S	13 35 18.0	−0.1		
			LE	M_S = 4.4		9.0	0.32
GYA	32.6	332	+P	13 31 30.0	0.0		
			sP	13 31 43.6	1.6		
			S	13 36 46.0	3.9		
			LN	M_S = 4.8		14.0	0.54
			LE			14.0	0.55
SSE	33.1	357	P	13 31 35.5	1.1		
			esP	13 31 51.5	5.0		
			eS	13 36 52.0	1.0		
			LN	M_S = 4.4		8.0	0.20
			LZ	M_S = 4.2		20.0	0.50
KMI	33.6	325	−P	13 31 41.0	2.5		
			sP	13 31 55.5	5.1		
			S	13 37 00.0	2.9		
			LZ	M_S = 4.4		20.0	0.70
WHN	33.6	346	P	13 31 39.5	1.1		
			sP	13 31 56.0	5.4		
			eS	13 37 02.0	3.8		
			LN	M_S = 4.8		16.0	0.99

NJ2	34.3	354	−P	13 31 44.6	0.4			
			LZ	M_S=4.4		16.0	0.59	
CD2	37.7	332	P	13 32 13.2	−0.4			
XAN	38.4	341	−P	13 32 18.2	−1.2			
			S	13 38 10.0	−1.6			
TIA	38.6	352	eP	13 32 20.1	−0.7			
TIY	40.9	347	−P	13 32 39.5	−0.5			
			S	13 38 47.5	−1.3			
			LN	M_S=4.7		15.0	0.46	
			LZ	M_S=4.4		28.0	0.75	
LZH	42.1	336	eP	13 32 50.0	0.0			
			PMZ	m_b=5.2		2.0	0.082	
			sP	13 33 07.0	4.8			
			S	13 39 04.0	−2.6			
			LZ	M_S=4.0		32.0	0.30	
BJI	42.5	352	eP	13 32 52.0	−0.9			
			eS	13 39 12.0	−1.1			
			LZ	M_S=4.2		20.0	0.30	
HHC	44.1	347	eP	13 33 06.0	−0.2			
BTO	44.2	346	P	13 33 05.5	−1.6			
			epP	13 33 14.5	−1.2			
			eS	13 39 36.0	−2.7			
			LN	M_S=4.8		16.0	0.40	
			LE			13.0	0.30	
CN2	45.8	2	eP	13 33 19.0	−0.7			
			pP	13 33 30.0	1.6			
			eS	13 39 57.0	−4.3			
			LN	M_S=4.6		10.0	0.20	
			LZ	M_S=4.5		22.0	0.60	
GTA	46.6	335	eP	13 33 25.2	−0.9			
			S	13 40 12.0	0.5			
			ScS	13 43 19.0	3.6			
			LZ	M_S=4.7		14.0	0.59	
WMQ	55.7	329	P	13 34 34.0	−0.9			
			eS	13 42 23.0	4.7			
KSH	59.9	319	P	13 35 09.0	4.3			

JUN 1d 18h 03m 42.2±0.06s, SD1.53/64
31.51 N±0.70km, 109.10 E±0.69km, h28±0.08km
Sichuan Province (307)
M_S4.3/19, M_L4.2/16,

XAN	2.5	357	Pn	18 04 23.0	1.1			
			Pg	18 04 26.0	−1.1			
			Sn	18 04 52.5	−0.8			
			Sg	18 04 59.0	−2.9			
			SMN			5.0	8.87	
			SME			3.0	7.05	
WHN	4.6	101	Pn	18 04 53.5	3.1			
			Pg	18 05 02.5	−1.2			
			Sn	18 05 45.5	0.7			
			Sg	18 06 02.5	−4.3			
			SMN	M_L=4.2		1.0	0.39	
			SME			1.0	0.32	
			LN	M_S=4.6		4.0	2.86	
			LE			4.0	2.45	
CD2	4.6	264	Pn	18 04 53.5	3.0			
			iPg	18 05 05.6	1.9			
			Sn	18 05 46.9	2.1			
			Sg	18 06 09.4	2.5			
			SMN	M_L=4.7		1.2	0.88	
			SME			1.4	1.20	
			LN			3.0	4.22	
GYA	5.5	204	Pn	18 05 04.6	2.3			
			Sn	18 06 08.4	2.5			
			Sg	18 06 39.0	5.6			
			SMN	M_L=4.4		1.0	0.37	
			SME			1.0	0.30	
			LN	M_S=4.6		6.0	3.80	
			LE			6.0	2.00	
LZH	6.3	318	Pn	18 05 16.5	2.3			
			Pg	18 05 38.0	4.1			
			Sn	18 06 28.0	0.8			
			Sg	18 06 58.0	−2.4			
			SMN	M_L=5.0		1.5	1.07	
			SME			1.0	0.65	
			LN	M_S=4.5		6.0	2.25	
			LE			5.0	1.82	
			LZ	M_S=4.5		7.0	2.30	
TIY	6.8	23	−iPn	18 05 21.1	0.8			
			LN	M_S=4.2		10.0	2.04	
			LZ	M_S=4.2		12.0	1.93	
NJ2	8.3	84	+P	18 05 45.0	1.0			
			S	18 07 21.0	3.1			
			LE	M_S=4.0		6.0	0.59	
			LZ	M_S=4.1		5.0	0.59	
KMI	8.5	223	eP	18 05 45.5	−0.8			
			sP	18 05 54.0	−3.1			
			S	18 07 19.0	−2.5			
			LE	M_S=4.4		6.0	1.50	
			LZ	M_S=4.2		12.0	1.70	
BTO	9.1	4	eP	18 05 55.0	0.0			
			epP	18 05 57.5	−4.0			
			LN	M_S=4.1		10.0	1.00	
			LE			11.0	0.40	
			LZ	M_S=4.0		11.0	0.90	
GZH	9.2	155	P	18 05 57.4	1.3			
			eS	18 07 40.0	0.4			
			LN	M_S=4.5		7.0	1.37	
			LE			7.0	0.88	
HHC	9.5	11	P	18 06 00.5	−0.4			
			LN	M_S=4.3		6.0	0.60	
			LE			4.0	0.40	
BJI	10.3	32	eP	18 06 11.0	0.1			
			LN	M_S=4.2		4.0	0.45	
			LZ	M_S=4.2		7.0	0.77	
SSE	10.4	89	eP	18 06 15.2	3.2			
			SMN			1.0	0.025	
			SME			1.0	0.018	
			LN	M_S=4.3		7.0	1.02	
QZH	10.6	126	eP	18 06 16.0	0.3			
			LN	M_S=4.1		5.0	0.44	
CN2	17.8	42	−P	18 07 51.6	1.8			
			S	18 11 07.6	3.3			
			LE			0.9	0.20	
			LZ	M_S=3.7		16.0	0.30	
MDJ	20.7	45	eP	18 08 22.5	−0.5			
WMQ	20.9	312	P	18 08 25.0	0.4			
			eS	18 12 16.0	4.9			

JUN 1d 20h 55m 59.3±0.38s, SD2.45/40
23.98 S±4.44km, 70.32 W±1.18km, h29±2.88km
Near coast of Northern Chile (122)

KSH	147.6	53	ePKP	21 15 39.0	−0.4
GTA	162.5	26	ePKP	21 15 59.0	−0.2
BJI	163.1	343	PKP	21 15 57.0	−2.6
TIY	166.1	351	ePKP	21 16 02.5	−0.1
XAN	170.0	4	PKP	21 16 02.4	−2.6
CD2	171.3	36	PKP	21 16 06.4	0.6
GYA	176.3	47	PKP	21 16 07.6	−0.2

JUN 2d 03h 18m 35.3±0.09s, SD1.88/60
24.14 N±1.66km, 122.42 E±1.12km, h36±1.49km
Taiwan (244)
M_S4.2/19, M_L4.1/9, m_b4.5/4,

QZH	3.6	284	+P	03 19 28.2	−1.6
			S	03 20 07.2	−3.8

			SMN		$M_L=4.1$		1.0	0.41
			SME				1.3	0.55
			LZ		$M_S=3.7$		16.0	1.78
SSE	7.0	351	+P	03 20 17.2		−1.1		
			PMZ		$m_b=5.0$		0.7	0.058
			pP	03 20 23.5		−1.5		
			eS	03 21 38.0		0.6		
			SMN		$M_L=4.0$		1.0	0.037
			SME				1.0	0.10
			LN		$M_S=3.9$		10.0	0.90
			LZ		$M_S=3.4$		20.0	0.50
GZH	8.4	265	eP	03 20 37.3		−0.2		
			eS	03 22 12.0		0.3		
			SMN		$M_L=4.4$		1.0	0.11
			SME				1.1	0.080
NJ2	8.5	339	eP	03 20 36.5		−2.3		
			S	03 22 14.0		0.0		
			LN		$M_S=4.2$		13.0	1.46
			LE				11.0	0.87
			LZ		$M_S=4.1$		14.0	1.48
WHN	9.6	313	eP	03 20 53.5		−0.6		
			pP	03 21 00.6		−0.5		
			eS	03 22 43.0		1.3		
			SMN				1.5	0.24
			SME				1.2	0.13
			LN		$M_S=4.2$		10.0	0.88
			LE				10.0	0.61
QZN	12.8	249	eP	03 21 42.5		5.4		
			eS	03 23 53.6		−5.2		
GYA	14.4	282	P	03 21 59.0		−0.4		
			pP	03 22 06.0		−0.7		
			S	03 24 36.0		−2.4		
			LN		$M_S=4.2$		8.0	0.51
XAN	15.4	313	eP	03 22 11.1		−0.3		
TIY	16.0	330	eP	03 22 22.4		2.8		
			LN		$M_S=4.3$		13.0	0.83
			LZ		$M_S=4.4$		13.0	1.32
BJI	16.7	343	eP	03 22 31.0		2.6		
			LN		$M_S=4.0$		12.0	0.34
			LZ		$M_S=3.5$		24.0	0.32
CD2	17.9	296	P	03 22 42.3		−0.7		
HHC	19.0	334	eP	03 22 58.4		1.6		
BTO	19.4	331	eP	03 23 02.0		0.2		
			sP	03 23 11.0		−3.6		
			eS	03 26 35.0		1.3		
			LN		$M_S=4.5$		13.0	0.80
			LE				13.0	0.60
			LZ		$M_S=4.5$		13.0	1.20
CN2	19.8	7	eP	03 23 05.0		−0.4		
			eS	03 26 41.4		0.3		
			LN		$M_S=4.2$		13.0	0.50
			LZ		$M_S=4.3$		13.0	0.90
LZH	20.0	311	eP	03 23 08.0		0.4		
			PMZ		$m_b=4.6$		2.0	0.055
			LE		$M_S=4.1$		13.0	0.40
			LZ		$M_S=4.0$		30.0	0.90
GTA	24.4	314	eP	03 23 52.2		0.0		

JUN 2d 06h 32m 40.2 ± 0.07s, SD1.42 / 42
13.31 N ± 2.60km, 123.28 E ± 1.81km, h39 ± 1.27km
Luzon **(249)**
M_S4.4 / 14, m_B4.8 / 1,

QZH	**12.4**	**340**	**eP**	**06 35 35.0**		**−1.9**		
			LN		**$M_S=4.0$**		**14.0**	**0.70**
			LZ		**$M_S=4.1$**		**14.0**	**0.95**
QZN	**14.1**	**296**	**eP**	**06 35 58.0**		**−1.6**		
			eS	**06 38 29.0**		**−6.5**		
			LN		**$M_S=4.2$**		**13.0**	**0.50**
			LE				13.0	0.80
			LZ				13.0	1.00
			LN		$M_S=4.2$		14.0	0.80
WHN	19.0	336	eP	06 37 01.0		−0.8		
			sP	06 37 12.0		−3.3		
			eS	06 40 31.0		2.1		
			SME		$m_B=4.8$		10.0	0.41
			LN		$M_S=4.5$		14.0	0.52
			LE				14.0	0.82
NJ2	19.1	348	eP	06 37 01.5		−1.0		
			eS	06 40 30.0		−0.3		
			LZ		$M_S=4.0$		16.0	0.53
GYA	20.3	312	P	06 37 17.6		1.3		
			pP	06 37 26.0		0.5		
			S	06 41 00.0		3.3		
			LN		$M_S=4.5$		16.0	0.60
			LE				16.0	0.80
KMI	22.6	304	−P	06 37 41.5		2.0		
			pP	06 37 51.5		2.5		
			sP	06 37 53.5		−0.1		
			LE		$M_S=4.3$		14.0	0.50
			LZ		$M_S=4.5$		20.0	1.50
XAN	24.4	330	eP	06 37 55.5		−1.1		
			S	06 42 10.0		−0.3		
CD2	25.1	317	eP	06 38 03.0		−0.3		
			eS	06 42 18.0		−4.8		
TIY	26.2	340	eP	06 38 11.8		−1.3		
			S	06 42 43.0		3.8		
			LN		$M_S=4.4$		11.0	0.40
			LZ		$M_S=4.4$		20.0	1.00
BJI	27.3	348	eP	06 38 22.0		−2.0		
			eS	06 43 00.0		0.5		
			LN		$M_S=4.5$		16.0	0.63
			LZ		$M_S=3.8$		24.0	0.32
BTO	29.6	339	eP	06 38 45.0		1.0		
			epP	06 38 54.0		0.0		
			eS	**06 43 37.0**		**1.8**		
			LN		$M_S=4.5$		13.0	0.30
			LE				13.0	0.40
CN2	30.4	3	eP	06 38 53.0		1.3		
			eS	06 43 52.0		3.2		
			LZ		$M_S=4.4$		14.0	0.60
MDJ	31.7	9	eP	06 39 01.0		−1.5		
GTA	33.2	326	eP	06 39 17.2		0.9		
			LE		$M_S=4.5$		13.0	0.41
			LZ		$M_S=4.7$		18.0	1.18
WMQ	43.0	322	eP	06 40 38.0		−0.3		
			LN		$M_S=4.9$		15.0	0.79
			LZ		$M_S=4.7$		18.0	0.95

JUN 2d 11h 02m 19.0 ± 0.13s, SD0.82 / 82
18.99 S ± 1.33km, 168.88 E ± 1.16km, h96 ± 1.45km
Vanuatu (New Hebrides) **(186)**
m_b5.6 / 10,

QZH	**65.6**	**310**	**eP**	**11 12 53.6**		**−1.8**		
SSE	**67.7**	**317**	**−P**	**11 13 07.5**		**−0.9**		
			PMZ		**$m_b=5.0$**		**1.0**	**0.025**
			PP	**11 15 40.5**		**0.6**		
GZH	**68.5**	**305**	**−P**	**11 13 14.0**		**0.5**		
			eS	**11 22 08.0**		**1.3**		
NJ2	**69.8**	**316**	**+P**	**11 13 21.8**		**0.2**		
WHN	**71.9**	**312**	**P**	**11 13 34.5**		**0.0**		
			PMZ		**$m_b=5.6$**		**1.5**	**0.15**
DL2	**72.6**	**323**	**P**	**11 13 38.0**		**−0.5**		
MDJ	**72.7**	**332**	**−iP**	**11 13 39.5**		**0.2**		
TIA	**73.5**	**319**	**−P**	**11 13 43.2**		**−0.7**		
SNY	**73.6**	**326**	**−iP**	**11 13 43.7**		**−0.5**		
CN2	**74.1**	**329**	**−iP**	**11 13 46.8**		**−0.3**		
			pP	**11 14 08.6**		**−2.5**		
GYA	**75.4**	**305**	**P**	**11 13 55.0**		**0.2**		

			LE				16.0	1.40
KMI	22.4	304	+P	18 52 33.0	2.6			
			PMZ	m_B=5.1		5.0	0.50	
			pP	18 52 42.0	0.4			
			sP	18 52 49.0	2.1			
			eS	18 56 28.0	−0.8			
			LN	M_S=4.7		12.0	0.80	
			LE			12.0	0.80	
			LZ	M_S=4.8		19.0	3.40	
TIA	23.2	347	eP	18 52 37.9	0.1			
			S	18 56 47.0	5.7			
			SMN	m_B=5.6		10.0	1.60	
			LN	M_S=4.6		17.0	1.15	
			LZ	M_S=4.2		26.0	1.07	
XAN	24.2	330	−P	18 52 46.2	−0.8			
			S	18 57 00.0	2.1			
			LN	M_S=5.1		12.0	1.57	
			LE			12.0	1.56	
CD2	24.9	317	eP	18 52 53.4	−0.5			
			S	18 57 07.0	−2.9			
			LE	M_S=4.6		13.0	0.78	
			LZ	M_S=4.6		22.0	1.92	
DL2	25.3	357	eP	18 52 58.0	0.2			
			SMN	m_B=5.6		10.0	1.72	
			LE	M_S=4.7		12.0	1.00	
			LZ	M_S=4.0		30.0	0.74	
TIY	25.9	340	eP	18 53 03.5	−0.1			
			sS	18 57 47.0	−0.6			
			LN	M_S=4.7		14.0	1.07	
			LZ	M_S=4.6		18.0	1.70	
BJI	27.1	348	eP	18 53 14.0	−0.5			
			eS	18 57 52.0	4.8			
			LN	M_S=4.7		10.0	0.70	
			LZ	M_S=4.2		22.0	0.75	
SNY	28.2	1	−P	18 53 24.0	−0.3			
			sP	18 53 37.0	−4.2			
			S	18 58 08.0	4.3			
			LZ	M_S=4.4		24.0	1.10	
LZH	28.4	326	eP	18 53 26.0	−0.4			
			PMZ	m_b=5.2		2.0	0.11	
			LN	M_S=5.0		13.0	0.80	
			LE			14.0	1.30	
			LZ	M_S=4.7		24.0	2.40	
HHC	29.0	342	−P	18 53 32.4	0.2			
			S	18 58 22.0	4.5			
			LN	M_S=4.8		14.0	0.82	
			LE			14.0	0.57	
BTO	29.3	339	eP	18 53 34.0	−0.6			
			S	18 58 23.0	1.1			
			LN	M_S=4.8		15.0	0.70	
			LE			15.0	0.80	
			LZ	M_S=4.5		15.0	0.80	
CN2	30.2	3	eP	18 53 42.5	0.1			
			pP	18 53 52.0	−2.2			
			eS	18 58 37.0	0.1			
			LE	M_S=4.7		14.0	0.70	
			LZ	M_S=4.7		19.0	1.50	
MDJ	31.4	9	eP	18 53 53.0	−0.3			
			eS	18 59 00.0	3.8			
			LE	M_S=5.0		12.0	1.33	
GTA	33.0	326	eP	18 54 07.8	0.7			
			S	18 59 23.0	3.4			
			LE	M_S=4.8		14.0	0.88	
			LZ	M_S=4.9		16.0	1.98	
WMQ	42.8	322	P	18 55 31.5	2.3			
			eS	19 01 52.0	2.7			
			sS	19 02 08.0	−1.9			
			LN	M_S=5.3		15.0	1.67	
BJI	76.5	321	−P	11 14 01.0	0.0			
			eS	11 23 42.0	3.7			
			esS	11 24 24.0	3.8			
			LZ			36.0	0.50	
TIY	77.4	317	−iP	11 14 06.8	0.7			
			sP	11 14 36.0	−4.9			
			S	11 23 52.0	5.6			
			sS	11 24 31.0	1.1			
			LZ			20.0	0.38	
XAN	77.7	313	−P	11 14 08.0	0.4			
KMI	77.9	302	−P	11 14 10.0	1.3			
			pP	11 14 37.0	4.4			
			sP	11 14 44.0	0.6			
			S	11 23 55.0	4.0			
			LZ			24.0	0.60	
HHC	79.8	320	eP	11 14 19.0	−0.2			
CD2	79.8	308	P	11 14 19.5	0.3			
BTO	80.6	319	P	11 14 24.5	0.9			
LZH	82.3	312	P	11 14 33.5	1.1			
			PMZ	m_b=5.6		1.5	0.13	
GTA	86.7	314	−iP	11 14 54.8	0.5			
			PMZ	m_b=5.4		1.0	0.044	
WMQ	96.8	314	P	11 15 41.0	0.0			

JUN 2d 15h 57m 21.4 ± 0.05s, SD0.98 / 25
55.02 N ± 2.05km, 160.51 W ± 1.58km, h66 ± 1.04km
Alaska Peninsula (12)

CN2	47.3	289	−P	16 05 50.8	0.3			
WHN	62.9	285	eP	16 07 42.4	−1.3			
GTA	63.8	302	P	16 07 49.0	−0.6			
WMQ	65.8	313	P	16 08 03.0	0.1			
CD2	68.4	293	eP	16 08 19.4	0.6			

JUN 2d 18h 47m 34.0 ± 0.11s, SD1.69 / 86
13.56 N ± 1.54km, 123.20 E ± 2.13km, h48 ± 0.30km
Luzon (249)
M_S4.7 / 34, m_B5.4 / 4, m_b4.8 / 4,

QZH	12.1	340	eP	18 50 26.0	−0.8			
			LN	M_S=4.4		16.0	1.96	
			LZ	M_S=4.4		14.0	2.01	
GZH	13.3	317	eP	18 50 45.0	2.4			
			eS	18 53 12.0	2.8			
			LN	M_S=4.9		16.0	4.99	
			LE			15.0	1.32	
			LZ	M_S=4.6		15.0	3.36	
QZN	13.9	295	eP	18 50 49.8	−0.8			
			eS	18 53 27.0	3.1			
			LN	M_S=4.5		13.0	0.80	
			LE			14.0	1.50	
SSE	17.5	354	P	18 51 36.5	−0.4			
			sP	18 51 47.0	−5.4			
			LN	M_S=4.4		14.0	0.70	
			LE			13.0	0.60	
			LZ	M_S=4.3		20.0	1.40	
WHN	18.8	336	P	18 51 52.7	0.9			
			PMZ	m_b=4.8		1.3	0.060	
			pP	18 52 00.0	−1.4			
			eS	18 55 17.0	1.4			
			SME	m_B=5.3		9.0	1.00	
			LZ	M_S=4.3		16.0	1.19	
NJ2	18.8	349	−P	18 51 52.0	−0.6			
			eS	18 55 20.0	3.1			
			LN	M_S=4.5		11.0	0.51	
			LE			12.0	0.60	
			LZ	M_S=4.1		28.0	1.07	
GYA	20.1	312	−P	18 52 07.0	0.1			
			sP	18 52 20.0	−3.2			
			LN	M_S=4.9		16.0	2.10	

		LE			16.0	1.14	
		LZ	$M_S = 5.0$		18.0	1.69	
KSH	48.8 311	eP	18 56 20.0	2.6			

JUN 2d 21h 01m 17.8 ± 0.06s, SD0.92 / 60
4.60 S ± 1.08km, 153.00 E ± 1.87km, h71 ± 0.90km
New Britain region (192)
m_b5.1 / 5,

QZH	44.5 313	eP	21 09 23.7	−0.6			
SSE	46.7 322	P	21 09 42.5	0.7			
		PMZ	$m_b = 4.8$		1.0	0.012	
		esP	21 10 03.0	−4.7			
NJ2	48.8 321	eP	21 09 59.5	1.3			
WHN	50.8 316	eP	21 10 14.5	0.7			
MDJ	53.3 339	eP	21 10 31.0	−1.2			
CN2	54.2 336	eP	21 10 38.4	−0.4			
		PcP	21 11 41.6	−0.1			
GYA	54.4 307	P	21 10 41.2	0.5			
BJI	55.8 326	eP	21 10 50.0	−0.7			
TIY	56.5 322	eP	21 10 55.7	0.2			
XAN	56.6 316	eP	21 10 55.4	−0.9			
CD2	58.8 310	P	21 11 11.2	−0.2			
HHC	59.0 324	eP	21 11 12.6	−0.5			
BTO	59.8 323	eP	21 11 17.5	−0.8			
LZH	61.2 316	P	21 11 29.0	0.6			
		PMZ	$m_b = 5.4$		1.5	0.066	
GTA	65.6 317	P	21 11 57.4	0.0			
		PMZ	$m_b = 5.1$		1.2	0.028	
WMQ	75.7 317	eP	21 12 58.7	0.5			

JUN 2d 21h 55m 46.5 ± 0.34s, SD2.55 / 30
9.74 S ± 3.46km, 74.39 W ± 5.43km, h46 ± 2.49km
Peru (116)

WMQ	142.7 22	PKP	22 15 12.0	−3.7			
SNY	144.3 337	−PKP	22 15 16.8	−1.6			
BJI	148.4 344	ePKP	22 15 29.0	3.7			
HHC	148.6 351	PKP	22 15 27.8	2.1			
BTO	149.0 353	ePKP	22 15 31.0	4.6			
GTA	150.0 9	ePKP	22 15 33.8	5.8			
TIA	151.7 340	ePKP	22 15 36.6	6.2			
GYA	163.3 357	ePKP	22 15 46.6	1.8			

JUN 3d 00h 01m 19.6 ± 0.08s, SD1.24 / 42
42.01 N ± 1.35km, 143.46 E ± 0.97km, h58 ± 0.96km
Hokkaido region (224)
m_b4.7 / 1,

MDJ	10.4 289	eP	00 03 51.5	2.2			
CN2	13.3 284	P	00 04 26.0	−2.0			
BJI	20.7 274	eP	00 05 55.0	−2.1			
WHN	26.0 253	eP	00 06 49.0	−0.1			
GTA	32.9 280	+iP	00 07 51.6	0.4			
		PMZ	$m_b = 4.7$		0.8	0.011	
CD2	33.5 264	P	00 07 56.6	0.3			
GYA	33.9 255	P	00 08 00.4	1.2			
WMQ	40.2 292	P	00 08 53.5	0.8			

JUN 3d 00h 23m 42.1 ± 0.11s, SD1.01 / 57
31.90 N ± 1.30km, 50.82 E ± 0.85km, h43 ± 0.56km
Iran (348)
M_S4.7 / 2, m_b5.2 / 2,

KSH	21.7 63	eP	00 28 33.9	2.1			
		LN	$M_S = 4.8$		12.0	1.30	
WMQ	31.2 57	P	00 30 00.0	−0.1			
GTA	40.1 65	+P	00 31 16.6	0.7			
		PMZ	$m_b = 5.2$		1.4	0.050	
LZH	43.7 69	P	00 31 46.5	1.0			
		PMZ	$m_b = 5.3$		2.0	0.082	
CD2	44.8 77	eP	00 31 54.8	0.6			
KMI	45.8 85	−P	00 32 02.0	0.9			
BTO	47.7 62	eP	00 32 17.0	−0.4			
XAN	48.2 71	−P	00 32 21.0	−0.1			
GYA	48.6 81	P	00 32 23.4	−0.8			
HHC	48.9 62	eP	00 32 26.0	−0.1			
TIY	50.1 65	eP	00 32 36.2	0.3			
		LN	$M_S = 4.6$		12.0	0.22	
BJI	52.5 62	eP	00 32 53.5	0.2			
WHN	53.6 74	eP	00 33 01.0	−1.0			
TIA	54.1 66	eP	00 33 05.6	−0.2			

JUN 3d 02h 56m 52.2 ± 0.09s, SD0.86 / 79
6.76 S ± 0.99km, 156.25 E ± 1.50km, h172 ± 0.35km
Solomon Islands (193)
m_B5.5 / 11, m_b5.0 / 6,

QZH	48.3 312	eP	03 05 19.0	0.4			
		pP	03 05 53.0	−3.5			
		S	03 12 06.0	2.3			
SSE	50.4 320	eP	03 05 34.7	0.3			
		pP	03 06 10.0	−2.5			
		S	03 12 35.0	2.6			
		SMN	$m_B = 5.9$		4.0	0.60	
		SME			4.0	0.44	
		esS	03 13 40.0	−0.3			
		eSS	03 16 10.0	3.8			
QZN	52.4 300	eP	03 05 51.8	2.3			
		eS	03 13 00.0	−0.9			
NJ2	52.5 319	−P	03 05 51.4	1.0			
		pP	03 06 24.0	−4.7			
		ScP	03 10 40.0	3.1			
		S	03 13 08.0	6.5			
WHN	54.6 315	P	03 06 06.0	0.2			
		ipP	03 06 42.0	−2.4			
		eS	03 13 28.0	−2.9			
		SMN	$m_B = 5.3$		9.0	0.42	
TIA	56.3 322	eP	03 06 18.0	0.0			
		S	03 13 53.0	0.8			
		SMN	$m_B = 5.4$		8.0	0.46	
		SME			8.0	0.32	
		ScS	03 15 47.0	1.7			
CN2	57.5 334	+P	03 06 26.4	0.2			
		PMZ	$m_B = 5.4$		4.0	0.30	
		pP	03 07 01.0	−4.3			
		eS	03 14 09.0	0.1			
GYA	58.3 307	P	03 06 32.0	0.1			
		pP	03 07 08.0	−3.0			
		S	03 14 23.0	5.0			
BJI	59.4 325	eP	03 06 39.0	−0.5			
		epP	03 07 16.0	−2.9			
		eS	03 14 34.0	0.3			
		eScS	03 16 10.0	2.0			
		LZ			18.0	0.30	
TIY	60.2 321	eP	03 06 45.5	0.7			
		pP	03 07 21.0	−3.1			
		S	03 14 45.0	2.8			
		ScS	03 16 19.5	5.9			
		LN			13.0	0.25	
		LZ			18.0	0.61	
XAN	60.4 315	P	03 06 45.6	−0.6			
KMI	60.9 303	eP	03 06 51.0	1.1			
		pP	03 07 25.5	−3.6			
		eS	03 14 53.0	−0.1			
CD2	62.6 310	P	03 07 00.6	−0.4			
		pP	03 07 37.0	−3.6			
		S	03 15 15.0	2.2			
HHC	62.6 323	eP	03 07 01.0	−0.3			
		S	03 15 18.0	4.8			
		SMN	$m_B = 5.7$		9.0	1.20	

		SME			9.0	0.60
BTO	63.4	322	eP	03 07 05.0	−1.4		
			ePP	03 09 25.0	−3.6		
			S	03 15 23.0	0.1		
LZH	65.0	315	P	03 07 18.0	1.1		
			PMZ	$m_b = 5.2$	1.5	0.066
			pP	03 07 54.0	−2.6		
			eS	03 15 46.0	1.8		
			LZ		35.0	0.70
GTA	69.4	316	−P	03 07 44.8	0.5		
			PMZ	$m_b = 5.1$	1.4	0.050
WMQ	79.5	317	−P	03 08 42.4	0.4		
			PMZ	$m_b = 4.9$	1.5	0.040
			pP	03 09 20.0	−3.1		
			S	03 18 30.0	3.5		
			SMN	$m_B = 5.8$	6.0	0.45
			SME		6.0	0.50
KSH	86.8	310	P	03 09 20.0	0.6		
			pP	03 10 00.0	−1.2		
			S	03 19 46.0	6.4		
			SMN	$m_B = 5.5$	5.0	0.20

JUN 3d 05h 10m 55.0 ± 0.05s, SD0.62 / 19
6.35 S ± 0.33km, 130.35 E ± 0.31km, h158 ± 0.63km
Banda Sea (280)
m_b4.5 / 2,

WHN	39.8	338	eP	05 18 15.0	0.9		
GYA	39.9	326	P	05 18 15.2	−0.2		
BJI	48.0	345	eP	05 19 19.0	−1.0		
GTA	53.6	331	P	05 20 02.0	−0.4		
			PMZ	$m_b = 4.5$	0.8	0.0070
WMQ	63.0	327	P	05 21 08.2	0.1		

JUN 3d 12h 37m 32.1 ± 0.12s, SD2.90 / 8
42.18 N ± 0.80km, 85.60 E ± 0.80km, h14 ± 0.59km
Southern Xinjiang Province (321)
M_L3.4 / 6,

WMQ	2.2	43	Pn	12 38 13.0	3.6		
			Sg	12 38 42.0	−0.6		
			SMN	$M_L = 3.2$	0.8	0.15

JUN 3d 16h 33m 49.8 ± 0.14s, SD2.34 / 18
6.81 S ± 1.58km, 147.77 E ± 0.99km, h27 ± 1.61km
Eastern New Guinea region (207)

WHN	49.0	321	eP	16 42 37.9	1.0		
XAN	54.8	320	eP	16 43 19.0	−1.2		
BJI	55.0	331	eP	16 43 21.5	0.0		
TIY	55.2	326	eP	16 43 23.8	0.6		
			LZ	$M_S = 4.6$	22.0	0.52
GTA	63.8	320	eP	16 44 23.6	0.7		

JUN 3d 23h 13m 09.6 ± 0.07s, SD0.97 / 98
33.36 N ± 1.05km, 136.85 E ± 1.28km, h386 ± 0.43km
South−east of Shikoku (237)
m_B5.2 / 13, m_b5.5 / 29,

MDJ	12.6	336	+iP	23 15 58.0	−0.6		
			S	23 18 13.0	0.2		
			ScS	23 27 31.0	−3.2		
			SME	$m_B = 4.8$	10.0	2.00
			LE		12.0	1.00
SSE	13.5	265	+P	23 16 06.5	−2.0		
			PMZ	$m_b = 5.0$	1.0	0.049
			eS	23 18 30.0	−1.5		
			LN		10.0	0.43
			LE		10.0	0.22
			LZ		16.0	0.45
SNY	13.5	313	+P	23 16 08.5	−0.3		
			sP	23 17 37.0	1.9		
			iS	23 18 32.0	−0.1		
			SMN	$m_B = 4.9$	7.0	1.22
			SME		6.0	1.02
			LN		5.0	2.08
			LE		4.5	1.04
DL2	13.5	299	−P	23 16 08.7	−0.2		
			PMZ		3.0	4.41
			iS	23 18 31.5	−0.6		
			SMN	$m_B = 5.0$	4.0	0.68
			SME		4.0	0.86
			LN		7.0	0.55
CN2	13.7	323	+iP	23 16 10.7	−0.6		
			PMZ		3.0	0.45
			sP	23 17 38.3	0.2		
			SMN	$m_B = 4.8$	6.0	1.14
NJ2	15.2	270	−iP	23 16 27.0	−0.3		
			PMZ		3.0	1.10
			S	23 19 08.0	2.1		
TIA	16.4	285	−P	23 16 40.5	0.4		
			S	23 19 33.0	3.5		
			SMN	$m_B = 5.3$	5.0	1.56
			ScP	23 24 06.8	1.1		
BJI	17.8	298	−P	23 16 55.0	0.7		
			PMZ	$m_b = 5.5$	2.0	0.44
			eS	23 19 59.0	3.0		
			ScP	23 24 09.0	0.4		
			eScS	23 27 49.5	1.3		
QZH	18.0	247	P	23 16 55.3	−0.5		
			PMZ	$m_B = 5.3$	4.0	0.58
			S	23 20 00.0	1.8		
WHN	19.3	268	−iP	23 17 10.0	1.4		
			PMZ	$m_b = 6.3$	1.0	1.28
			sP	23 18 54.0	2.3		
			S	23 20 28.0	6.7		
			SMN	$m_B = 5.2$	4.0	0.66
TIY	20.3	289	eP	23 17 19.2	0.5		
			PMZ	$m_b = 5.4$	0.8	0.13
			PMZ		3.0	0.65
			S	23 20 45.0	5.9		
HHC	21.5	298	−iP	23 17 30.6	0.9		
			PMZ		3.0	0.81
			S	23 21 01.0	2.6		
			SMN	$m_B = 5.3$	6.0	0.64
			SME		6.0	1.01
BTO	22.6	296	−iP	23 17 40.5	0.5		
			sP	23 19 29.0	−1.2		
			iS	23 21 20.5	2.7		
			LN		10.0	0.30
			LE		10.0	0.40
GZH	23.1	250	−iP	23 17 44.8	0.4		
			eS	23 21 25.0	−0.7		
XAN	23.2	279	−iP	23 17 46.1	0.1		
			S	23 21 28.4	0.7		
GYA	27.0	263	−P	23 18 19.4	−0.7		
			PMZ	$m_b = 5.5$	1.0	0.22
			PcP	23 21 30.8	0.8		
			S	23 22 27.0	−1.3		
			ScP	23 24 34.0	2.0		
LZH	27.2	285	−iP	23 18 21.5	−0.4		
			PMZ	$m_b = 5.2$	1.5	0.18
QZN	28.0	246	eP	23 18 29.8	0.7		
			eS	23 22 47.5	2.2		
CD2	28.1	274	−iP	23 18 29.0	−0.5		
			pP	23 19 44.0	5.5		
			S	23 22 43.8	−1.3		
GTA	30.3	292	−iP	23 18 48.6	−0.2		
			PMZ	$m_b = 4.9$	1.0	0.057
			PP	23 20 07.8	−1.7		

			PcP	23 21 39.8	1.5			
			ScP	23 24 43.6	1.3			
			S	23 23 23.1	3.5			
			ScS	23 28 38.6	0.6			
KMI	30.8	264	−P	23 18 53.0	−0.2			
			PMZ	m_b = 5.5		2.0	0.50	
			pP	23 20 02.1	−2.2			
			PP	23 20 14.0	−1.2			
			eS	23 23 28.0	−0.7			
			SS	23 25 55.0	2.3			
WMQ	39.3	300	−iP	23 20 05.7	1.0			
			PMZ	m_b = 5.1		1.5	0.15	
			PP	23 21 47.8	1.5			
			PcP	23 22 05.0	0.3			
			ScP	23 25 16.0	1.4			
			S	23 25 37.0	0.4			
			SMN	m_B = 5.4		4.0	0.51	
			PcS	23 25 54.0	1.4			
			ScS	23 29 27.5	0.4			
KSH	48.6	296	eP	23 21 19.4	1.2			
			eS	23 27 51.0	0.8			

JUN 4d 01h 21m 53.6 ± 0.11s, SD2.48 / 44
30.09 N ± 1.16km, 99.44 E ± 1.14km, h12 ± 0.27km
Tibet (306)
M_S4.2 / 13, M_L3.7 / 8,

CD2	3.8	77	Pn	01 22 56.2	3.6			
			Pg	01 23 05.8	4.9			
			Sg	01 23 53.0	−0.1			
			SMN	M_L = 3.7		1.2	0.19	
			SME			1.3	0.20	
			LN	M_S = 4.2		6.0	3.10	
KMI	5.7	149	ePn	01 23 22.0	2.6			
			Pg	01 23 40.5	5.4			
			Sn	01 24 30.0	2.8			
			Sg	01 24 55.0	1.3			
			SMN			2.0	0.15	
			SME			2.0	0.14	
			LN	M_S = 4.2		9.0	2.00	
			LE			8.0	1.40	
LZH	7.0	31	ePn	01 23 39.0	2.1			
			LN	M_S = 4.2		6.0	1.10	
			LZ	M_S = 4.6		4.0	1.50	
GYA	7.3	118	Pn	01 23 43.2	2.3			
			Sn	01 25 03.0	−3.2			
			LN	M_S = 4.3		7.0	1.30	
			LE			7.0	0.85	
XAN	9.0	61	P	01 24 04.0	−2.0			
GTA	9.3	2	eP	01 24 13.6	2.7			
			LN	M_S = 4.1		6.5	0.67	
			LZ	M_S = 3.9		10.0	0.64	
WHN	12.9	84	eP	01 25 01.0	1.4			
			sP	01 25 06.5	−1.4			
			LN	M_S = 4.2		8.0	0.63	
TIY	13.2	51	eP	01 25 09.7	5.9			
			LE	M_S = 3.7		12.0	0.29	
BTO	13.6	37	eP	01 25 05.5	−3.3			
			epP	01 25 08.5	−4.8			
			LN	M_S = 4.3		10.0	0.70	
			LE			10.0	0.40	
WMQ	16.6	329	P	01 25 50.5	2.7			
BJI	16.9	50	eP	01 25 51.0	−0.7			
KSH	21.4	302	eP	01 26 48.0	3.8			
CN2	24.8	49	+P	01 27 17.8	1.1			
			pP	01 27 21.8	−0.6			

JUN 4d 02h 06m 07.1 ± 0.08s, SD1.80 / 56
23.24 N ± 1.32km, 121.62 E ± 0.94km, h32 ± 1.39km

Taiwan region (243)
M_S4.2 / 19, M_L4.4 / 8, m_b4.4 / 2,

QZH	3.2	302	ePn	02 06 56.0	−0.2			
			iSn	02 07 29.4	−5.8			
			SMN	M_L = 4.1		0.1	0.57	
			SME			0.1	0.57	
			LE	M_S = 3.9		5.0	1.67	
GZH	7.6	270	−P	02 07 57.5	−1.1			
			iS	02 09 21.8	−2.9			
			LN			1.0	0.29	
			LE			1.0	0.21	
SSE	7.8	357	eP	02 08 02.0	0.3			
			eS	02 09 30.0	−0.1			
			SMN	M_L = 4.7		1.5	0.19	
			SME			1.5	0.23	
			LZ	M_S = 3.4		17.0	0.45	
NJ2	9.1	345	+P	02 08 19.6	0.2			
			S	02 10 01.5	−0.3			
			LE	M_S = 3.9		7.0	0.47	
			LZ	M_S = 3.8		12.0	0.61	
WHN	9.7	320	P	02 08 26.0	−2.2			
			pP	02 08 30.5	−4.5			
			S	02 10 16.5	−0.9			
			SMN			1.0	0.28	
			SME			1.0	0.20	
			LN	M_S = 4.8		4.0	1.32	
			LE			4.0	1.43	
QZN	11.8	251	eP	02 08 56.0	0.3			
			eS	02 11 11.0	4.0			
			LE	M_S = 3.9		15.0	0.70	
GYA	13.9	286	P	02 09 24.4	−0.6			
			SMN			1.4	0.19	
			SME			1.4	0.090	
			LN	M_S = 4.6		4.0	0.58	
XAN	15.5	317	eP	02 09 41.5	−3.4			
			LN	M_S = 4.8		5.0	0.82	
			LE			4.0	0.52	
TIY	16.4	333	eP	02 10 02.0	4.8			
			sS	02 13 16.0	6.4			
			LN	M_S = 4.2		15.0	0.80	
			LZ	M_S = 4.1		17.0	0.84	
KMI	17.3	280	eP	02 10 13.0	4.4			
BJI	17.4	346	eP	02 10 11.0	2.2			
CD2	17.6	300	P	02 10 14.8	2.6			
HHC	19.5	337	eP	02 10 35.5	0.9			
BTO	19.9	333	eP	02 10 39.0	0.2			
			pP	02 10 44.0	−2.9			
			eS	02 14 16.0	−0.1			
			LN	M_S = 4.5		15.0	0.80	
			LE			13.0	0.50	
LZH	20.0	314	eP	02 10 43.0	2.5			
			PMZ	m_b = 4.6		2.0	0.055	
			LE	M_S = 4.5		8.0	0.60	
			LZ	M_S = 4.1		18.0	0.70	
CN2	20.7	8	+P	02 10 47.2	−0.7			
			eS	02 14 32.2	−0.9			
			LZ	M_S = 4.3		15.0	0.90	
MDJ	22.3	15	eP	02 11 04.0	0.5			
GTA	24.5	316	eP	02 11 27.0	1.5			
			LZ	M_S = 4.3		14.0	0.64	

JUN 4d 02h 46m 34.5 ± 0.09s, SD1.53 / 22
4.69 S ± 1.02km, 134.03 E ± 1.86km, h35 ± 0.46km
Aroe Islands region (204)
M_S4.7 / 2,

GYA	40.8	321	P	02 54 16.2	1.8
CD2	45.7	323	eP	02 54 55.6	1.0
TIY	46.7	336	eP	02 55 01.3	−1.3

BJI	47.4	341	P	02 55 07.5	−0.7			
GTA	54.0	327	eP	02 55 56.0	−2.5			
WMQ	63.8	324	eP	02 57 07.2	1.3			

JUN 4d 02h 59m 18.1 ± 0.12s, SD1.88 / 34
13.38 N ± 3.31km, 123.28 E ± 2.67km, h36 ± 1.48km
Luzon (249)
M_S4.4 / 5, m_b4.8 / 1,

WHN	19.0	336	eP	03 03 38.5	−0.8			
			eS	03 07 08.0	2.0			
			LN	M_S = 5.1		4.0	1.32	
NJ2	19.0	348	eP	03 03 41.5	1.5			
GYA	20.3	312	eP	03 03 55.0	1.0			
			S	03 07 37.6	3.4			
			LN	M_S = 4.2		12.0	0.39	
KMI	22.6	304	eP	03 04 15.5	−1.9			
TIA	23.4	347	eP	03 04 25.0	0.1			
CD2	25.1	317	eP	03 04 39.8	−1.2			
TIY	26.1	340	eP	03 04 53.0	2.2			
			eS	03 09 16.0	−1.7			
			LE	M_S = 4.4		17.0	0.64	
			LZ	M_S = 4.1		20.0	0.50	
BJI	27.3	348	eP	03 05 01.5	−0.1			
SNY	28.3	0	eP	03 05 09.8	−1.4			
LZH	28.6	326	eP	03 05 18.0	4.5			
			PMZ	m_b = 4.8		1.5	0.026	
			LZ	M_S = 4.0		27.0	0.50	
BTO	29.5	339	eP	03 05 23.0	1.3			
			eS	03 10 10.0	−2.8			
			LN	M_S = 4.5		13.0	0.30	
			LE			13.0	0.30	

JUN 4d 15h 07m 46.9 ± 0.14s, SD2.31 / 42
23.38 N ± 2.13km, 99.44 E ± 1.42km, h11 ± 0.67km
Burma–China border region (297)
M_S4.4 / 18, M_L4.5 / 7,

KMI	3.5	59	ePn	15 08 43.0	1.4			
			Pg	15 08 52.5	4.2			
			Sg	15 09 36.5	0.7			
			SMN	M_L = 4.8		1.5	3.50	
			SME			1.5	2.60	
			LN	M_S = 4.5		8.0	9.00	
			LE			8.0	6.60	
GYA	7.2	64	Pn	15 09 34.6	1.4			
			Sg	15 11 38.4	4.8			
			SMN	M_L = 4.5		1.4	0.14	
			SME			1.4	0.20	
			LN	M_S = 4.5		9.0	2.60	
			LE			9.0	1.70	
CD2	8.4	26	P	15 09 49.4	−2.7			
			LE	M_S = 4.4		7.0	1.52	
QZN	10.6	112	eP	15 10 23.7	1.2			
			eS	15 12 27.4	4.8			
			LE	M_S = 3.9		8.0	0.43	
WHN	15.1	59	eP	15 11 24.5	2.6			
			eS	15 14 13.0	3.1			
			LN	M_S = 4.4		12.0	0.78	
			LE			10.0	0.61	
GTA	16.0	1	eP	15 11 38.5	4.7			
			LE	M_S = 4.2		12.0	0.66	
TIY	18.1	35	eP	15 12 00.5	−0.1			
			S	15 15 15.1	−4.4			
			LN	M_S = 4.4		14.0	0.78	
			LE			14.0	0.58	
			LZ	M_S = 4.1		16.0	0.72	
BTO	19.3	25	eP	15 12 15.0	−0.4			
			epP	15 12 21.0	1.0			
			ePP	15 12 31.0	−1.0			
			eS	15 15 46.0	−1.9			
			LN	M_S = 4.3		10.0	0.30	
			LE			10.0	0.40	
HHC	20.2	28	eP	15 12 20.0	−4.8			
BJI	21.8	37	eP	15 12 41.5	0.2			
			eS	15 16 40.0	2.4			
			LZ	M_S = 3.8		16.0	0.30	
WMQ	22.6	337	eP	15 12 50.4	1.6			
CN2	29.5	40	eP	15 13 52.6	−1.4			

JUN 4d 16h 35m 59.8 ± 0.15s, SD1.16 / 28
7.14 S ± 1.02km, 129.80 E ± 0.18km, h145 ± 1.67km
Banda Sea (280)

GYA	40.2	327	P	16 43 23.6	−0.7			
WHN	40.3	339	eP	16 43 25.5	0.9			
TIY	47.5	341	eP	16 44 22.6	0.3			
BJI	48.6	346	eP	16 44 31.5	0.5			
CN2	50.8	356	eP	16 44 48.0	−0.2			
GTA	54.0	331	eP	16 45 11.8	0.1			
WMQ	63.4	327	P	16 46 17.4	0.7			

JUN 4d 18h 34m 28.2 ± 0.14s, SD2.50 / 12
36.55 N ± 1.03km, 97.85 E ± 1.33km, h5 ± km
Qinghai Province (325)
M_S3.9 / 2, M_L4.4 / 3,

GTA	3.3	28	ePn	18 35 22.2	1.8			
LZH	4.9	94	ePn	18 35 45.0	2.5			
			LN	M_S = 3.8		9.0	1.40	
			LZ	M_S = 3.6		6.0	0.40	
BTO	10.3	63	eP	18 37 01.0	0.3			
HHC	11.5	64	−P	18 37 16.2	−0.9			
TIY	11.7	80	eP	18 37 16.9	−2.3			
			LN	M_S = 4.0		11.0	0.53	

JUN 4d 22h 43m 27.9 ± 0.09s, SD1.70 / 57
27.51 N ± 2.57km, 141.05 E ± 2.00km, h46 ± 1.24km
Bonin Islands region (212)
M_S4.5 / 17, m_B5.0 / 4, m_b5.2 / 1,

SSE	17.7	286	eP	22 47 36.0	3.3			
			eS	22 50 50.0	4.5			
			LN	M_S = 4.5		10.0	0.90	
			LE			10.0	0.20	
			LZ	M_S = 3.9		14.0	0.40	
NJ2	19.8	289	eP	22 47 57.5	0.2			
			eS	22 51 35.0	2.6			
			LZ	M_S = 4.0		18.0	0.60	
SNY	20.2	319	+P	22 48 05.2	3.4			
			esP	22 48 21.0	3.3			
			S	22 51 46.0	5.6			
			LN	M_S = 4.6		11.0	0.47	
			LE			13.0	0.99	
			LZ	M_S = 4.4		12.0	0.97	
QZH	20.3	268	eP	22 48 03.0	0.2			
			LN	M_S = 4.0		10.0	0.22	
TIA	22.1	299	eP	22 48 20.3	−0.3			
			SMN	m_B = 5.3		9.0	0.56	
			SME			10.0	0.63	
WHN	23.5	284	eP	22 48 35.0	0.1			
			sP	22 48 54.0	2.9			
			S	22 52 42.0	0.7			
			LN	M_S = 4.7		10.0	0.66	
			LE			10.0	0.61	
BJI	24.1	308	eP	22 48 39.0	−1.2			
			eS	22 52 58.0	6.5			
			LZ	M_S = 4.0		14.0	0.35	
TIY	26.1	300	P	22 49 00.7	1.3			
			LN	M_S = 4.3		15.0	0.46	
			LZ	M_S = 4.3		20.0	0.88	

HHC	27.6	306	eP	22 49 12.2	−1.6			
			S	22 53 50.0	0.4			
			SMN	$m_B = 5.0$		9.0	0.23	
			SME			9.0	0.23	
XAN	28.3	291	P	22 49 20.3	0.7			
			S	22 54 07.0	7.0			
BTO	28.7	305	eP	22 49 23.0	−0.1			
			pP	22 49 35.0	0.7			
			ePP	22 50 17.0	1.4			
			eS	22 54 05.0	−2.3			
			SS	22 55 32.0	−2.6			
			LN	$M_S = 4.5$		11.0	0.30	
			LE			11.0	0.30	
LZH	32.6	295	P	22 49 57.5	−0.4			
			PMZ	$m_b = 5.2$		1.0	0.038	
			LE	$M_S = 4.3$		10.0	0.20	
			LZ	$M_S = 4.4$		18.0	0.70	
CD2	32.6	285	P	22 50 00.4	2.4			
GTA	36.1	300	eP	22 50 27.2	−0.7			
			S	22 56 06.0	3.8			
			LN	$M_S = 4.5$		12.0	0.31	
			LZ	$M_S = 4.4$		18.0	0.53	
WMQ	45.5	305	P	22 51 44.3	−0.9			
			eS	22 58 20.0	−3.2			
			LZ	$M_S = 4.4$		20.0	0.42	
KSH	54.5	300	eP	22 52 52.0	−2.3			

JUN 4d 23h 41m 51.1 ± 0.08s, SD2.30 / 15
33.77 N ± 0.71km, 112.28 E ± 1.04km, h13 ± 0.28km
Eastern China (664)
M_L3.3 / 12,

XAN	2.8	276	−iPn	23 42 36.0	−0.2			
			Pg	23 42 39.6	−1.1			
			Sg	23 43 14.5	−4.6			
			SMN	$M_L = 3.3$		1.0	0.17	
			SME			0.6	0.10	
WHN	3.7	151	ePn	23 42 52.5	4.6			
			Pg	23 43 00.5	4.6			
			Sn	23 43 31.5	−1.5			
			Sg	23 43 49.0	3.0			
TIY	3.9	2	ePn	23 42 51.6	−0.1			
			−Pg	23 43 00.3	−0.3			
			Sg	23 43 50.5	−3.9			
			SMN	$M_L = 3.1$		0.6	0.030	
			SME			0.5	0.060	
TIA	4.7	57	ePg	23 43 13.8	0.3			
			Sg	23 44 12.6	−4.5			
			SMN	$M_L = 4.0$		0.6	0.055	
			SME			0.6	0.37	
			SMZ	$M_L = 3.7$		0.6	0.073	
GYA	8.8	215	P	23 43 57.2	−3.6			

JUN 5d 01h 31m 58.0 ± 0.15s, SD3.15 / 29
30.01 N ± 1.44km, 99.34 E ± 1.35km, h7 ± 0.44km
Tibet (306)
M_S3.6 / 3, M_L3.7 / 7,

CD2	3.9	76	ePn	01 33 02.4	3.4			
			Pg	01 33 01.6	−5.7			
			Sg	01 33 59.1	−1.8			
			SMN	$M_L = 3.5$		1.0	0.080	
			SME			1.4	0.14	
KMI	5.7	147	ePn	01 33 27.5	3.5			
			Pg	01 33 45.0	5.9			
			SMN			2.0	0.11	
			SME			2.0	0.15	
			LE	$M_S = 3.6$		10.0	0.70	
GYA	7.4	117	Pn	01 33 48.6	2.2			
XAN	9.1	61	P	01 34 11.0	−1.6			
GTA	9.4	2	eP	01 34 22.4	3.3			
			LE	$M_S = 3.5$		10.0	0.25	
TIY	13.3	51	eP	01 35 08.5	−1.9			
			LN	$M_S = 3.8$		8.0	0.24	
TIA	16.1	63	eP	01 35 50.3	3.2			

JUN 5d 15h 22m 01.1 ± 0.07s, SD2.30 / 7
27.96 N ± 0.53km, 99.80 E ± 0.60km, h16 ± 0.26km
Yunnan Province (318)
M_L3.2 / 4,

KMI	3.9	136	+Pg	15 23 10.0	0.3			
			Sg	15 24 05.0	2.8			
			SMN	$M_L = 3.4$		1.5	0.080	

JUN 5d 20h 00m 41.7 ± 0.21s, SD2.11 / 31
5.93 S ± 4.21km, 105.50 E ± 3.87km, h103 ± 0.88km
Sunda Strait (276)

QZN	25.2	10	eP	20 06 00.0	0.7			
			eS	20 10 20.0	5.6			
			LN			11.0	0.65	
KMI	31.0	355	eP	20 06 53.0	1.0			
			eS	20 11 46.0	−2.3			
			LN			12.0	1.50	
			LZ			12.0	2.40	
GYA	32.2	2	P	20 07 03.0	0.4			
CD2	36.7	357	eP	20 07 41.6	1.0			
XAN	39.9	4	P	20 08 07.5	0.2			
TIY	43.9	8	eP	20 08 45.0	4.8			
			LN			12.0	0.51	
			LZ			15.0	0.47	
GTA	45.4	354	eP	20 08 51.6	−0.8			
			LE			1.0	0.31	
			LZ			12.0	0.30	
BTO	46.5	5	eP	20 09 03.0	2.2			
			LN			13.0	0.30	
			LE			10.0	0.20	
WMQ	52.1	344	eP	20 09 41.5	−2.1			
			PcP	20 10 53.5	−0.2			
CN2	52.7	18	eP	20 09 47.4	−0.8			

JUN 5d 21h 28m 15.3 ± 0.10s, SD3.00 / 9
32.31 N ± 0.78km, 101.86 E ± 1.06km, h6 ± 0.35km
Sichuan Province (307)
M_L3.4 / 5,

LZH	4.1	23	ePg	21 29 29.0	0.9			

JUN 6d 07h 24m 56.4 ± 0.13s, SD1.77 / 77
18.61 N ± 1.93km, 146.55 E ± 2.74km, h64 ± 0.64km
Marianas (216)
M_S4.5 / 4, m_b5.0 / 2,

SSE	26.1	303	P	07 30 26.2	0.0			
			epP	07 30 39.0	−1.6			
			sP	07 30 46.6	−1.2			
			LN	$M_S = 4.4$		6.0	0.20	
			LZ	$M_S = 4.1$		20.0	0.50	
QZH	26.7	289	P	07 30 30.7	−1.0			
NJ2	28.3	304	eP	07 30 45.0	−1.3			
			eS	07 35 28.0	2.0			
			LZ	$M_S = 4.3$		25.0	0.87	
MDJ	29.6	335	eP	07 30 58.5	0.9			
DL2	29.6	318	eP	07 30 55.5	−2.5			
SNY	30.3	325	+P	07 31 05.0	0.7			
TIA	31.3	310	eP	07 31 12.7	−0.2			
BJI	33.8	316	eP	07 31 32.5	−1.9			
			ePcP	07 34 12.0	0.2			
			eS	07 36 46.0	−6.0			
			eScP	07 37 49.0	−0.4			
			LZ	$M_S = 4.3$		20.0	0.61	

TIY	35.3	310	eP	07 31 51.0	3.1			
			S	07 37 19.0	3.7			
			LN	M_S=4.5		14.0	0.39	
			LZ	M_S=4.4		20.0	0.63	
XAN	36.8	302	P	07 32 00.0	−0.6			
HHC	37.2	314	P	07 32 04.4	0.3			
GYA	37.5	289	P	07 32 07.0	0.4			
BTO	38.2	313	eP	07 32 07.6	−4.5			
CD2	40.5	296	eP	07 32 31.1	−0.1			
LZH	41.4	304	eP	07 32 39.5	1.1			
			LZ	M_S=4.5		36.0	1.10	
GTA	45.2	307	eP	07 33 10.0	0.2			
			LZ	M_S=4.5		20.0	0.60	
WMQ	55.0	311	eP	07 34 21.9	−2.1			
			eS	07 42 01.5	2.3			

JUN 7d 04h 54m 27.8±0.02s, SD0.73/6
32.09 N±0.21km, 114.17 E±0.21km, h16±0.08km
Eastern China (664)
M_L3.1/6,

WHN	1.6	174	iPg	04 54 56.0	0.6			
			Sg	04 55 17.0	0.3			
			SMN	M_L=3.3		0.5	0.44	
			SME			0.2	0.29	

JUN 7d 12h 19m 47.8±0.13s, SD1.57/32
14.14 N±2.25km, 51.78 E±1.40km, h10±0.19km
Eastern Gulf of Aden (415)

WMQ	42.6	39	eP	12 27 48.6	2.3			
			sP	12 27 56.5	2.0			
			eS	12 34 16.0	6.8			
			LZ	M_S=4.4		20.0	0.49	
GTA	49.0	50	eP	12 28 37.0	−0.3			
			LZ	M_S=4.7		28.0	1.04	
GYA	52.6	67	P	12 29 03.6	−0.9			
XAN	55.1	58	P	12 29 22.1	−0.9			
TIY	58.3	54	eP	12 29 45.9	−0.2			
			LZ	M_S=4.8		26.0	1.00	
BJI	61.5	52	eP	12 30 07.5	−0.2			
			eS	12 38 32.0	4.3			
			LZ	M_S=4.4		32.0	0.47	
NJ2	63.3	61	eP	12 30 15.5	−4.4			
			LZ	M_S=4.6		20.0	0.43	
CN2	68.6	48	P	12 30 54.9	1.2			
			eS	12 39 58.3	3.0			

JUN 7d 15h 17m 47.8±0.13s, SD1.70/32
6.60 S±1.30km, 147.78 E±1.16km, h37±1.57km
Eastern New Guinea region (207)

NJ2	47.3	326	eP	15 26 21.0	0.8			
			LZ	M_S=4.5		20.0	0.49	
WHN	48.9	321	eP	15 26 31.5	−1.0			
XAN	54.6	320	P	15 27 16.0	0.2			
BJI	54.8	331	eP	15 27 16.0	−0.9			
			LZ	M_S=4.4		20.0	0.30	
CD2	56.2	314	eP	15 27 29.0	1.5			
GTA	63.7	320	eP	15 28 15.6	−3.1			
WMQ	73.7	319	eP	15 29 19.6	−1.2			

JUN 7d 17h 40m 07.0±0.26s, SD2.84/21
8.17 S±13.51km, 78.74 W±21.85km, h44±1.92km
Near coast of Northern Peru (109)

WMQ	142.6	16	ePKP	17 59 40.4	4.1			
DL2	144.3	332	ePKP	17 59 34.5	−4.7			
BJI	145.6	340	ePKP	17 59 38.5	−2.9			
BTO	146.8	348	ePKP	17 59 43.4	−0.2			
GTA	148.9	2	−iPKP	17 59 49.2	2.2			
TIY	148.9	343	−PKP	17 59 48.6	1.6			

JUN 7d 18h 30m 05.2±0.06s, SD1.39/25
21.87 N±0.67km, 121.47 E±1.04km, h65±1.32km
Taiwan region (243)
M_L3.7/4,

QZH	4.0	320	eP	18 31 05.0	−1.4			
			S	18 31 46.5	−6.2			
			SMN	M_L=3.7		0.2	0.12	
			SME			0.2	0.17	
GZH	7.6	281	eP	18 31 56.0	0.0			
			LN			0.7	0.050	
WHN	10.7	325	eP	18 32 39.0	0.2			
TIY	17.6	336	eP	18 34 09.5	1.5			
BJI	18.7	347	eP	18 34 20.5	−0.1			
GTA	25.4	318	eP	18 35 29.2	0.1			

JUN 7d 19h 45m 52.7±0.18s, SD1.76/55
38.14 N±2.93km, 21.69 E±2.09km, h25±0.32km
Southern Greece (368)
M_S5.0/3,

WMQ	49.0	61	eP	19 54 38.8	−0.9			
			eS	20 01 38.0	−3.8			
			LZ	M_S=4.7		18.0	0.75	
GTA	59.0	62	eP	19 55 51.8	−1.8			
			LZ	M_S=4.6		22.0	0.55	
LZH	63.4	64	eP	19 56 22.0	−1.2			
			LZ	M_S=4.7		20.0	0.50	
CD2	65.9	69	eP	19 56 38.0	−1.5			
HHC	66.3	56	eP	19 56 41.8	−0.1			
XAN	68.0	63	P	19 56 51.0	−1.7			
BJI	69.7	55	eP	19 57 04.0	0.9			
			LZ	M_S=4.8		16.0	0.47	
GYA	70.5	71	P	19 57 11.8	4.0			
CN2	73.2	47	eP	19 57 24.0	−0.3			
			sP	19 57 36.3	0.5			
			eS	20 06 46.0	−4.3			
			LE	M_S=5.0		13.0	0.30	
			LZ	M_S=5.1		16.0	0.90	
SNY	73.3	50	eP	19 57 25.8	1.1			
NJ2	76.0	60	eP	19 57 42.0	1.6			
QZN	77.1	76	eP	19 57 49.2	2.7			

JUN 7d 21h 46m 27.7±0.10s, SD2.60/6
38.48 N±1.05km, 98.51 E±0.98km, h1±0.46km
Qinghai Province (325)
M_L3.2/4,

GTA	1.4	47	iPg	21 46 54.0	1.8			
			Sg	21 47 12.0	1.2			
			SMN	M_L=3.3		0.6	0.11	
			SME			0.6	0.74	

JUN 7d 21h 47m 34.6±0.08s, SD1.01/74
5.66 N±0.93km, 125.78 E±1.34km, h172±0.61km
Mindanao (259)
m_B5.2/2, m_b4.7/7,

QZH	20.4	341	eP	21 52 01.0	1.3			
			pP	21 52 26.0	1.1			
			sP	21 52 53.0	1.0			
			S	21 55 33.0	0.2			
QZN	20.4	312	eP	21 52 01.4	1.0			
			PP	21 52 31.0	0.6			
			sP	21 52 50.0	−2.7			
			S	21 55 40.0	6.1			
			SME	m_B=5.2		10.0	0.98	
GZH	21.1	327	P	21 52 08.4	1.7			
			S	21 55 48.0	2.4			
SSE	25.7	351	eP	21 52 53.2	2.6			
			PMZ	m_b=4.9		1.2	0.035	

			epP	21 53 30.0	5.1			
			eS	21 57 05.0	0.4			
			sS	21 58 09.0	3.9			
WHN	27.0	338	eP	21 53 03.0	0.3			
			PcP	21 56 20.0	0.3			
			S	21 57 28.0	2.7			
			LE			7.0	0.59	
NJ2	27.0	347	+P	21 53 04.1	0.9			
GYA	27.6	321	P	21 53 08.8	0.6			
			pP	21 53 46.6	3.7			
			S	21 57 37.0	2.2			
			LN			9.0	0.50	
			LE			9.0	0.40	
XAN	32.3	333	P	21 53 47.6	−2.1			
CD2	32.5	323	eP	21 53 51.0	−0.9			
			pP	21 54 27.0	−0.5			
			eS	21 58 49.2	−4.6			
DL2	33.3	354	eP	21 53 58.5	0.1			
TIY	34.1	341	+P	21 54 03.9	−1.8			
			S	21 59 18.0	0.4			
			LN			10.0	0.25	
BJI	35.3	347	eP	21 54 14.5	−0.9			
			esP	21 55 12.0	0.6			
			ePcP	21 56 43.5	1.7			
			eS	21 59 34.0	−2.3			
			eScS	22 04 17.0	3.8			
SNY	36.1	357	eP	21 54 22.0	0.2			
			sP	21 55 16.2	−1.6			
LZH	36.4	329	+P	21 54 25.0	0.5			
			PMZ	$m_b = 4.7$		1.0	0.020	
			PcP	21 56 45.0	0.1			
			LN			8.0	0.40	
HHC	37.3	342	+iP	21 54 33.4	1.3			
CN2	38.0	360	−P	21 54 38.5	0.6			
			sP	21 55 32.0	−2.1			
			iPcP	21 56 50.0	0.1			
			eS	22 00 15.0	−2.2			
MDJ	38.9	4	eP	21 54 46.0	0.1			
GTA	41.0	329	+iP	21 55 02.3	−0.3			
			PcP	21 57 00.0	0.6			
WMQ	50.6	325	P	21 56 18.0	−0.5			
			eS	22 03 23.5	4.6			
			eScS	22 05 46.5	−1.1			

JUN 7d 23h 51m 22.1 ± 0.10s, SD2.08 / 43
34.31 N ± 1.11km, 91.82 E ± 1.11km, h9 ± 0.09km
Qinghai Province (325)
M_S4.7 / 14, m_B5.2 / 1,

GTA	8.2	49	eP	23 53 25.8	1.6			
			LN	$M_S = 4.3$		12.0	2.32	
			LZ	$M_S = 4.4$		10.0	2.61	
LZH	10.0	76	eP	23 53 47.5	−1.9			
			LE	$M_S = 4.6$		10.0	2.50	
			LZ	$M_S = 4.4$		12.0	2.40	
WMQ	10.0	343	P	23 53 49.5	0.0			
			SMN	$m_B = 5.2$		10.0	1.26	
			SME			10.0	2.11	
			LZ	$M_S = 4.2$		12.0	1.29	
CD2	10.6	105	eP	23 53 58.0	0.1			
XAN	14.2	86	P	23 54 42.6	−2.8			
GYA	15.0	117	P	23 54 54.4	−2.0			
			pP	23 55 03.0	2.3			
			LN	$M_S = 4.8$		9.0	1.90	
			LE			9.0	1.20	
TIY	17.0	73	eP	23 55 23.7	1.4			
			LN	$M_S = 4.7$		13.0	1.83	
			LZ	$M_S = 4.5$		15.0	1.66	
WHN	19.4	95	eP	23 55 51.5	0.4			
BJI	20.2	66	eP	23 56 02.0	1.7			
			LZ	$M_S = 4.5$		12.0	1.20	
TIA	20.7	77	eP	23 56 05.0	−0.9			
NJ2	22.7	88	eP	23 56 26.5	0.7			
			LZ	$M_S = 4.2$		14.0	0.59	
SSE	24.9	89	eP	23 56 46.0	−0.8			
			LN	$M_S = 4.7$		10.0	0.43	
			LE			10.0	0.53	
			LZ	$M_S = 4.5$		12.0	0.91	

JUN 8d 01h 41m 50.8 ± 0.09s, SD2.15 / 34
30.04 N ± 0.91km, 99.51 E ± 0.88km, h14 ± 0.25km
Sichuan Province (307)
M_S3.7 / 4, M_L3.5 / 9,

CD2	3.8	76	ePn	01 42 51.0	2.0			
			Pg	01 43 00.4	3.1			
			Sg	01 43 45.1	−3.7			
			SMN	$M_L = 4.0$		1.5	0.44	
			SME			1.4	0.31	
LZH	7.0	30	ePn	01 43 36.0	1.9			
			LE	$M_S = 3.7$		8.0	0.50	
			LZ	$M_S = 3.8$		10.0	0.60	
GYA	7.2	118	−Pn	01 43 38.4	1.5			
			LN	$M_S = 3.8$		7.0	0.50	
			LE			7.0	0.30	
XAN	8.9	61	P	01 43 59.5	−3.1			
GTA	9.3	1	eP	01 44 10.6	2.0			
			LN	$M_S = 3.7$		9.0	0.38	
			LZ	$M_S = 3.8$		10.0	0.51	
WMQ	16.6	329	P	01 45 48.5	2.7			
SNY	22.7	52	+P	01 46 53.2	−0.3			
CN2	24.7	49	eP	01 47 13.6	0.0			

JUN 8d 02h 48m 27.5 ± 0.16s, SD1.51 / 27
53.90 N ± 3.86km, 162.16 E ± 3.09km, h30 ± 0.37km
Off east coast of Kamchatka (219)

MDJ	23.0	260	eP	02 53 35.5	4.2			
CN2	25.9	262	eP	02 53 59.0	−0.1			
			eS	02 58 25.2	0.0			
			LZ	$M_S = 4.0$		17.0	0.40	
NJ2	37.7	252	−P	02 55 42.5	0.1			
WHN	41.4	255	eP	02 56 13.3	0.3			
GTA	43.7	277	eP	02 56 33.6	1.0			
GYA	48.9	259	P	02 57 13.8	0.7			

JUN 8d 06h 24m 08.5 ± 0.08s, SD1.15 / 32
6.80 N ± 1.24km, 37.90 E ± 1.38km, h18 ± 0.12km
Ethiopia (558)

WMQ	57.0	41	−P	06 33 56.5	0.4			
GTA	64.1	49	eP	06 34 45.2	0.4			
GYA	68.0	64	P	06 35 09.4	−0.3			
HHC	73.2	49	+P	06 35 43.4	2.0			
WHN	74.9	60	eP	06 35 48.5	−2.5			
BJI	76.7	51	eP	06 36 02.0	0.9			
SNY	82.3	49	eP	06 36 28.8	−2.6			
CN2	83.6	47	eP	06 36 38.4	0.4			
			eS	06 47 02.0	3.6			
			LZ	$M_S = 4.8$		20.0	0.40	

JUN 8d 09h 51m 56.6 ± 0.10s, SD1.15 / 69
19.52 S ± 1.79km, 173.73 W ± 2.67km, h22 ± 0.27km
Tonga (173)
M_S5.6 / 20, m_B6.0 / 18, m_b5.6 / 3,

QZH	79.3	301	+P	10 04 02.0	−0.9			
			S	10 13 58.0	−1.6			
			LN	$M_S = 5.1$		14.0	0.35	
			LZ	$M_S = 5.0$		23.0	0.79	
SSE	80.2	308	P	10 04 07.8	0.0			

			PMZ		$m_B = 5.6$		12.0	0.80
			pP	10 04 16.0		0.7		
			S	10 14 08.0		−1.2		
			esS	10 14 21.0		−2.3		
			LE		$M_S = 5.6$		20.0	1.90
			LZ		$M_S = 5.1$		20.0	0.90
MDJ	82.1	323	eP	10 04 17.8		0.0		
			pP	10 04 24.0		−1.2		
			S	10 14 25.0		−3.7		
			LZ		$M_S = 5.7$		22.0	4.09
NJ2	82.4	308	+P	10 04 19.0		−0.4		
			eS	10 14 30.0		−3.5		
			LZ		$M_S = 5.4$		20.0	1.53
GZH	82.8	297	+P	10 04 22.0		0.6		
DL2	83.8	315	eP	10 04 28.0		1.3		
			PMZ		$m_B = 5.6$		10.0	0.64
			eS	10 14 50.0		2.1		
			LZ		$M_S = 5.2$		20.0	1.09
CN2	84.0	321	+P	10 04 27.0		−0.8		
			PMZ		$m_B = 6.0$		7.0	1.10
			pP	10 04 35.0		−0.3		
			eS	10 14 45.8		−4.2		
			SMN		$m_B = 5.7$		10.0	0.60
			LE		$M_S = 5.6$		19.0	1.40
			LZ		$M_S = 5.5$		20.0	2.00
SNY	84.1	318	+iP	10 04 28.0		−0.1		
			PMZ		$m_B = 5.9$		11.0	1.36
			sP	10 04 39.0		0.2		
			S	10 14 56.0		7.1		
			SMN				18.0	1.42
			SME				16.0	0.93
			LZ		$M_S = 5.3$		22.0	1.43
QZN	84.2	292	eP	10 04 29.0		0.6		
			eS	10 14 57.0		5.8		
			LE		$M_S = 5.4$		16.0	0.82
WHN	85.1	305	eP	10 04 34.0		0.7		
			pP	10 04 42.0		1.2		
			eSKS	10 14 53.0		0.8		
			S	10 15 03.0		3.8		
			LN		$M_S = 5.4$		18.0	0.83
			LZ		$M_S = 5.0$		20.0	0.63
TIA	85.6	311	eP	10 04 35.7		0.0		
BJI	88.1	314	eP	10 04 47.0		−0.5		
			PMZ		$m_B = 5.9$		10.0	0.96
			LE		$M_S = 5.5$		18.0	0.97
			LZ		$M_S = 5.5$		18.0	1.80
TIY	89.7	310	−P	10 04 56.0		0.8		
			sP	10 05 09.0		3.1		
			LN		$M_S = 5.9$		20.0	1.55
			LE				20.0	2.60
			LZ		$M_S = 5.7$		20.0	2.63
GYA	89.7	298	P	10 04 55.6		0.2		
			PMZ		$m_B = 6.4$		4.0	1.00
			sP	10 05 08.0		1.9		
			PP	10 08 30.0		1.2		
			S	10 15 40.0		−2.2		
			LE		$M_S = 5.5$		20.0	1.20
XAN	90.8	306	P	10 05 01.0		0.6		
HHC	91.6	313	P	10 05 04.2		0.0		
			S	10 16 02.0		2.9		
			sS	10 16 15.0		1.6		
			SMN		$m_B = 6.1$		10.0	1.38
			SME				12.0	1.05
			LZ		$M_S = 5.4$		30.0	2.06
KMI	92.5	296	+P	10 05 10.0		1.4		
			SKS	10 15 43.0		5.3		
			eS	10 16 05.0		−4.5		
			LE		$M_S = 5.8$		20.0	2.00
			LZ		$M_S = 5.7$		23.0	3.50
BTO	92.6	312	eP	10 05 08.9		0.2		
CD2	93.7	301	eP	10 05 13.6		−0.1		
			eS	10 16 13.0		−6.2		
			sS	10 16 30.1		−1.6		
LZH	95.4	306	eP	10 05 22.5		0.8		
			PMZ		$m_b = 6.0$		2.5	0.12
			PMZ		$m_B = 6.2$		10.0	0.61
			PP	10 09 11.0		−2.2		
			eSKS	10 16 00.5		6.9		
			LZ		$M_S = 5.2$		42.0	1.60
GTA	99.5	308	eP	10 05 40.2		−0.1		
			SKS	10 16 18.0		3.2		
			LE		$M_S = 5.7$		20.0	1.49
			LZ		$M_S = 5.6$		26.0	2.33

JUN 8d 13h 46m 27.7 ± 0.13s, SD1.98 / 92
23.50 N ± 1.91km, 121.48 E ± 1.93km, h26 ± 0.63km
Taiwan **(244)**
M_S5.1 / 42, M_L4.7 / 4, m_b4.8 / 7,

QZH	3.0	299	−Pn	13 47 13.6		−0.5		
SSE	7.6	358	+P	13 48 19.0		−0.3		
			PMZ		$m_b = 4.8$		1.0	0.051
			sP	13 48 27.3		−2.6		
			eS	13 49 49.0		4.0		
			SMN		$M_L = 4.7$		1.0	0.15
			SME				1.0	0.38
			LN		$M_S = 4.9$		8.0	6.59
			LZ		$M_S = 4.5$		12.0	3.63
NJ2	8.8	345	−P	13 48 34.6		−2.2		
			S	13 50 10.0		−6.3		
			LZ		$M_S = 4.7$		12.0	5.80
WHN	9.5	319	+P	13 48 43.5		−2.1		
			pP	13 48 48.0		−4.1		
			S	13 50 32.0		0.0		
			SMN				1.5	1.91
			SME				1.5	1.12
			LN		$M_S = 5.3$		10.0	10.4
			LE				10.0	9.84
			LZ		$M_S = 4.8$		12.0	5.78
QZN	11.7	250	P	13 49 18.2		1.7		
TIA	13.2	344	eP	13 49 37.4		0.8		
			LN		$M_S = 4.9$		10.0	1.55
			LE				10.0	2.74
GYA	13.8	285	P	13 49 42.4		−1.4		
			LE		$M_S = 5.3$		9.0	7.30
XAN	15.2	316	P	13 50 03.2		0.6		
			LN		$M_S = 5.2$		10.0	5.07
			LE				10.0	3.26
DL2	15.4	0	eP	13 50 04.0		−0.6		
			eS	13 52 55.0		0.5		
			LN		$M_S = 4.8$		11.0	2.14
TIY	16.2	333	+P	13 50 18.0		3.1		
			sS	13 53 26.0		2.4		
			LN		$M_S = 5.3$		14.0	8.93
			LZ		$M_S = 5.1$		14.0	7.86
BJI	17.1	346	−eP	13 50 29.5		2.9		
			eS	13 53 36.0		1.3		
			LN		$M_S = 4.6$		10.0	1.13
			LZ		$M_S = 4.6$		14.0	2.06
KMI	17.2	279	+P	13 50 31.5		3.7		
			pP	13 50 37.0		2.8		
			LN		$M_S = 5.3$		10.0	3.60
			LE				9.0	3.40
			LZ		$M_S = 5.1$		15.0	7.10
CD2	17.4	299	eP	13 50 34.2		3.7		
			LN		$M_S = 5.5$		8.0	6.29
			LZ		$M_S = 5.2$		8.0	4.44

SNY	18.4	5	−P	13 50 41.0	−1.5		
			sP	13 50 51.0	−2.4		
			LN	M_S=4.8		12.0	1.55
			LE			11.0	0.87
			LZ	M_S=4.8		14.0	2.94
HHC	19.2	337	−P	13 50 54.4	1.6		
			LZ	M_S=4.7		16.0	2.34
BTO	19.6	333	eP	13 50 57.6	0.6		
LZH	19.7	313	eP	13 51 00.5	1.6		
			PMZ	m_b=5.1		1.5	0.13
			pP	13 51 09.0	3.1		
			LE	M_S=5.4		10.0	5.80
			LZ	M_S=5.5		10.0	10.3
CN2	20.5	8	+P	13 51 07.0	0.2		
			LN	M_S=4.9		14.0	1.40
			LE			14.0	2.20
			LZ	M_S=4.9		15.0	3.20
GTA	24.3	316	+P	13 51 44.8	0.6		
			S	13 56 04.0	6.2		
			LE	M_S=5.2		10.5	2.89
			LZ	M_S=5.2		12.0	4.51
WMQ	34.3	314	P	13 53 15.0	0.4		
			LN	M_S=5.3		12.0	1.39
			LE			13.0	1.90
			LZ	M_S=5.1		14.0	2.27
KSH	41.5	304	eP	13 54 17.0	1.7		
			eS	14 00 32.0	2.3		
			LE	M_S=5.3		10.0	1.40

JUN 9d 00h 24m 39.0 ± 0.06s, SD1.37 / 31
36.42 N ± 1.24km, 70.29 E ± 1.18km, h216 ± 0.89km
Hindu Kush region (718)
m_B5.0 / 1, m_b5.0 / 2,

KSH	5.4	53	eP	00 26 02.5	2.4		
			eS	00 27 05.8	2.8		
			SMN			0.2	2.30
			SME			0.3	0.60
WMQ	15.2	56	−P	00 28 05.0	0.3		
			S	00 30 50.5	3.6		
			SME	m_B=5.0		5.0	0.46
GTA	23.4	74	P	00 29 31.6	1.1		
GYA	32.4	97	P	00 30 51.0	−0.2		
TIY	33.5	75	eP	00 30 58.5	−1.5		
WHN	37.0	86	eP	00 31 30.0	0.4		

JUN 9d 07h 14m 28.7 ± 0.07s, SD1.04 / 75
5.01 S ± 1.00km, 151.40 E ± 1.80km, h161 ± 0.53km
New Britain region (192)
m_b5.2 / 8,

SSE	46.1	323	P	07 22 40.0	1.5		
			PMZ	m_b=4.6		1.2	0.017
			epP	07 23 14.5	0.7		
NJ2	48.1	322	−P	07 22 55.2	0.5		
WHN	50.1	317	+P	07 23 10.5	1.2		
			PMZ	m_b=5.5		1.5	0.15
DL2	51.7	330	eP	07 23 22.5	1.1		
SNY	53.1	334	+P	07 23 31.6	−0.3		
MDJ	53.1	341	+iP	07 23 32.0	−0.5		
GYA	53.4	308	+P	07 23 36.0	1.3		
CN2	53.9	337	+P	07 23 37.8	−0.5		
BJI	55.3	327	eP	07 23 48.0	−0.3		
TIY	55.8	323	+P	07 23 52.0	−0.2		
			sP	07 24 43.0	−3.6		
			LZ			20.0	0.38
CD2	57.8	311	P	07 24 05.1	−1.0		
HHC	58.4	325	eP	07 24 10.0	−0.3		
BTO	59.1	324	eP	07 24 16.0	0.6		
LZH	60.4	317	eP	07 24 24.5	0.4		

			PMZ	m_b=5.2		15.0	0.066
			pP	07 24 57.5	−3.5		
GTA	64.9	318	P	07 24 53.8	0.2		
WMQ	74.9	318	−P	07 25 54.5	−0.1		
			pP	07 26 28.5	−4.5		
KSH	82.1	311	eP	07 26 35.0	1.7		

JUN 9d 08h 14m 14.8 ± 0.06s, SD1.13 / 24
71.44 N ± 0.90km, 4.20 W ± 1.49km, h12 ± 0.24km
Jan Mayen Island region (639)

WMQ	49.8	71	eP	08 23 11.2	1.2		
CN2	59.6	40	eP	08 24 21.4	−0.5		
SNY	61.1	42	eP	08 24 31.6	−0.4		
BJI	61.1	49	eP	08 24 32.5	0.4		
TIY	62.4	53	P	08 24 41.8	1.1		
WHN	69.7	54	eP	08 25 25.9	−1.3		
GYA	71.5	62	P	08 25 38.8	0.6		

JUN 9d 09h 53m 42.5 ± 0.07s, SD1.23 / 28
10.35 N ± 1.68km, 92.70 E ± 1.67km, h35 ± 0.47km
Nicobar Islands region (704)

GYA	20.8	38	P	09 58 22.2	−1.0		
CD2	22.9	25	eP	09 58 45.4	0.9		
XAN	27.9	30	P	09 59 29.0	−2.5		
GTA	29.6	11	eP	09 59 45.8	−1.5		
KSH	32.7	336	eP	10 00 14.0	−0.1		

JUN 9d 12h 19m 34.2 ± 0.14s, SD1.42 / 89
71.49 N ± 1.58km, 4.42 W ± 2.50km, h10 ± 0.17km
Jan Mayen Island region (639)
M_S5.6 / 27, m_B5.8 / 13, m_b5.6 / 9,

WMQ	49.8	71	eP	12 28 30.0	0.1		
			PMZ	m_B=5.7		8.0	0.91
			PcP	12 29 45.0	−5.0		
			SME	m_B=5.8		10.0	1.45
			LN	M_S=5.7		13.0	2.54
			LE			13.0	1.83
			LZ	M_S=5.4		24.0	5.24
KSH	50.1	84	eP	12 28 32.0	0.2		
			sP	12 28 41.0	1.1		
			S	12 35 46.0	5.3		
			LN	M_S=5.8		12.0	4.01
GTA	57.4	63	eP	12 29 25.8	−0.3		
			S	12 37 27.0	6.7		
			LE	M_S=5.5		15.0	1.99
			LZ	M_S=5.3		22.0	2.47
BTO	59.1	54	+iP	12 29 39.0	1.2		
			pP	12 29 44.5	1.3		
			ePP	12 31 53.5	4.3		
			eS	12 37 47.5	3.9		
			LN	M_S=5.7		16.0	3.00
			LE			15.0	0.50
HHC	59.3	53	eP	12 29 40.0	1.1		
			PP	12 31 53.0	2.4		
			S	12 37 50.0	5.8		
			ScS	12 39 28.0	3.7		
			LN	M_S=5.6		16.0	1.91
			LE			13.0	0.59
CN2	59.6	40	−P	12 29 41.0	−0.5		
			PMZ	m_B=6.0		4.5	1.00
			pP	12 29 47.1	0.0		
			PP	12 31 57.0	2.8		
			eS	12 37 52.0	1.5		
			SMN	m_B=5.7		6.5	0.30
			SME			6.5	0.50
			ScS	12 39 29.0	1.8		
			LE	M_S=5.4		10.0	0.90
			LZ	M_S=5.4		16.0	2.20

MDJ	59.7	37	eP	12 29 41.0	−0.7			
			sP	12 29 53.0	3.0			
			S	12 37 55.0	5.2			
			LZ	M_S=5.3		20.0	2.10	
SNY	61.1	42	+P	12 29 51.0	−0.7			
			sP	12 30 00.0	0.0			
			eS	12 38 13.0	3.3			
			LZ	M_S=5.1		18.0	1.18	
BJI	61.2	49	eP	12 29 51.5	−0.3			
			PMZ	m_B=6.0		4.0	0.82	
			ePP	12 32 10.0	2.2			
			eS	12 38 16.0	6.1			
			LN	M_S=5.6		15.0	2.12	
			LZ	M_S=5.3		20.0	2.42	
LZH	61.7	61	+P	12 29 57.0	1.6			
			PMZ	m_b=5.7		2.5	0.28	
			PMZ	m_B=6.0		4.0	0.83	
			sP	12 30 05.0	1.4			
			eS	12 38 18.0	1.3			
			ScS	12 39 45.0	2.8			
			SME	m_B=5.7		7.0	0.59	
			LN	M_S=5.7		14.0	2.20	
			LZ	M_S=5.7		20.0	5.30	
TIY	62.4	53	eP	12 30 00.3	−0.2			
			LN	M_S=5.8		18.0	3.97	
			LZ	M_S=5.6		20.0	4.26	
DL2	63.5	45	P	12 30 08.0	0.5			
			eS	12 38 43.0	3.5			
			LN	M_S=5.7		16.0	2.56	
			LZ	M_S=5.3		18.0	1.81	
XAN	65.0	57	P	12 30 17.0	−0.2			
TIA	65.0	49	eP	12 30 16.9	−0.5			
			eS	12 39 03.0	4.7			
			LE	M_S=5.5		21.0	2.30	
			LZ	M_S=5.1		22.0	1.30	
CD2	66.5	63	eP	12 30 27.4	0.5			
			sP	12 30 36.5	1.3			
			S	12 39 20.5	5.5			
			SME	m_B=6.0		6.0	0.97	
			LN	M_S=5.9		17.0	3.70	
			LZ	M_S=5.5		18.0	2.64	
NJ2	69.4	49	+P	12 30 45.0	−0.1			
			LZ	M_S=5.3		18.0	1.79	
WHN	69.7	54	P	12 30 48.0	1.0			
			pP	12 30 52.0	−0.6			
			eS	12 40 00.0	5.1			
			LZ	M_S=5.1		24.0	1.37	
SSE	70.9	48	−P	12 30 53.0	−1.1			
			PMZ	m_b=5.4		1.2	0.055	
			PMZ	m_B=6.1		4.0	1.00	
			pP	12 31 00.0	0.4			
			sP	12 31 04.0	1.6			
			S	12 40 12.0	4.9			
			LN	M_S=5.6		8.0	0.70	
			LE			8.0	0.60	
			LZ	M_S=5.2		20.0	1.50	
GYA	71.5	62	P	12 30 57.0	−1.0			
KMI	71.7	66	+P	12 31 00.0	1.0			
			PMZ	m_B=5.8		5.0	0.50	
			pP	12 31 09.0	4.7			
			PcP	12 31 13.5	−3.6			
			S	12 40 22.0	6.0			
			SME	m_B=5.8		9.0	0.70	
			LE	M_S=5.5		17.0	1.40	

JUN 9d 14h 32m 11.2±0.09s, SD4.65/6
35.55 N±0.51km, 105.56 E±1.58km, h12±0.24km
Gansu Province (322)

M_L3.3/2,

GTA	6.0	312	ePn	14 33 43.2	3.2		

JUN 9d 14h 46m 04.9±0.08s, SD2.05/96
29.34 N±1.14km, 102.38 E±0.99km, h9±0.07km
Sichuan Province (307)
M_S5.0/38, M_L4.7/5, m_B5.1/3,

CD2	2.0	37	+iPg	14 46 43.3	3.4		
			iSg	14 47 10.2	3.5		
			LN			7.0	38.2
			LZ			5.0	36.2
KMI	4.2	176	−iPn	14 47 13.0	3.1		
			Sn	14 47 57.0	−4.0		
			Sg	14 48 13.0	−3.8		
			SMN			2.5	5.70
			SME			2.5	3.50
			LN	M_S=5.2		8.0	21.3
			LE			8.0	30.5
GYA	4.8	126	−Pn	14 47 20.0	2.8		
			Sn	14 48 16.0	1.6		
			LN	M_S=5.3		7.0	22.4
			LE			7.0	21.0
LZH	6.8	10	ePn	14 47 51.0	5.0		
			LE	M_S=5.0		9.0	12.1
			LZ	M_S=4.9		8.0	7.20
XAN	7.3	48	Pn	14 47 52.5	0.6		
			Pg	14 48 20.0	6.6		
			Sn	14 49 19.4	2.4		
			Sg	14 49 52.6	−0.4		
			LN	M_S=4.9		10.0	8.15
			LE			10.0	6.50
GTA	10.3	349	eP	14 48 38.0	2.0		
			LE	M_S=4.8		10.0	4.33
			LZ	M_S=4.4		12.0	2.11
WHN	10.5	80	−iP	14 48 38.5	0.2		
			PMZ	m_b=5.5		1.0	0.14
			pP	14 48 41.8	−1.2		
			S	14 50 32.0	−4.3		
			LN	M_S=5.4		6.0	5.79
			LE			6.0	8.96
			LZ	M_S=4.8		6.0	2.57
GZH	11.6	120	eP	14 48 53.6	−0.9		
			S	14 51 01.8	−3.5		
			LN	M_S=5.3		9.0	5.75
			LE			10.0	7.30
TIY	11.8	42	eP	14 48 54.5	−2.7		
			pP	14 49 07.0	5.6		
			S	14 51 12.0	2.0		
			LZ	M_S=4.9		7.0	3.26
			LE	M_S=4.6		16.0	3.22
BTO	12.9	27	eP	14 49 10.0	−1.0		
			sP	14 49 19.0	0.4		
			eS	14 51 33.0	−2.4		
			LN	M_S=4.7		10.0	1.20
			LE			10.0	1.90
HHC	13.7	31	eP	14 49 21.5	−0.9		
			LN	M_S=5.1		5.0	1.18
			LE			5.0	2.19
			LZ	M_S=4.8		8.0	2.80
TIA	14.2	57	−P	14 49 27.9	−0.3		
			LN	M_S=4.9		9.0	1.20
			LE			9.0	2.30
NJ2	14.4	75	−P	14 49 31.0	−0.7		
			eS	14 52 11.0	−1.9		
			LN	M_S=5.2		8.0	3.72
			LE			8.0	2.33
			LZ	M_S=4.6		10.0	2.06
BJI	15.6	43	eP	14 49 46.5	0.1		

			LN		$M_S=4.7$		10.0	1.13
			LE				10.0	1.00
			LZ		$M_S=4.3$		16.0	1.47
SSE	16.4	79	+P	14 49	57.0	0.4		
			PMZ		$m_b=4.6$		1.0	0.027
			LN		$M_S=5.3$		14.0	8.10
			LZ		$M_S=4.7$		8.0	1.80
DL2	18.5	54	P	14 50	23.0	−1.0		
			eS	14 53	45.0	−3.1		
			LN		$M_S=4.8$		10.0	1.14
			LE				9.0	0.82
			LZ		$M_S=4.2$		16.0	0.90
WMQ	18.6	325	P	14 50	23.5	−1.4		
			eS	14 53	44.0	−5.7		
			sS	14 53	57.0	0.2		
			SME		$m_B=4.9$		6.0	0.45
			LN		$M_S=5.1$		10.0	2.33
			LE				11.0	2.05
			LZ		$M_S=4.8$		11.0	2.37
SNY	21.2	48	+P	14 50	52.8	−0.7		
			pP	14 50	56.8	−1.8		
			S	14 54	41.0	−3.0		
			LZ		$M_S=4.6$		16.0	1.99
CN2	23.4	46	+P	14 51	15.0	−0.1		
			eS	14 55	24.0	−0.5		
			SME		$m_B=5.1$		7.0	0.50
			ScS	15 02	26.5	1.9		
			LE		$M_S=4.5$		12.0	0.70
			LZ		$M_S=4.3$		18.0	0.80
KSH	24.0	302	eP	14 51	23.0	1.8		
			pP	14 51	28.0	1.7		
			eS	14 55	40.0	4.6		
MDJ	26.4	47	eP	14 51	44.5	0.6		
			LZ		$M_S=4.6$		16.0	1.30

JUN 9d 15h 34m 11.6 ± 0.09s, SD1.26 / 100
7.91 S ± 1.50km, 117.52 E ± 2.27km, h244 ± 0.34km
Sumbawa region (285)
m_B5.7 / 22, m_b5.6 / 20,

QZN	27.8	344	P	15 39	41.6	0.8		
QZH	32.7	2	P	15 40	23.5	0.3		
GYA	35.8	343	+P	15 40	50.0	0.4		
			PMZ		$m_b=5.4$		1.4	0.18
			PMZ				3.0	1.20
			pP	15 41	43.0	4.1		
			sP	15 42	08.0	1.4		
			PP	15 42	21.0	4.9		
			S	15 46	09.0	1.6		
			ScS	15 50	38.4	1.1		
KMI	35.9	337	+P	15 40	53.0	2.5		
			pP	15 41	45.0	5.2		
			PMZ				3.0	1.50
			S	15 46	16.0	7.1		
WHN	38.4	356	+iP	15 41	12.0	0.9		
			PMZ		$m_b=5.9$		1.4	0.60
			PMZ		$m_B=5.8$		5.0	1.79
			PcP	15 43	18.5	−1.0		
			PP	15 42	50.0	3.5		
			iS	15 46	50.0	2.5		
SSE	38.9	5	+P	15 41	16.0	0.0		
			PMZ		$m_b=5.6$		1.4	0.34
			PMZ		$m_B=5.7$		4.0	1.20
			PcP	15 43	21.0	−0.3		
			ScP	15 46	44.0	−0.7		
			S	15 46	55.0	−0.5		
NJ2	39.8	2	+iP	15 41	24.0	1.3		
			PMZ		$m_b=6.0$		1.0	0.60
			PMZ		$m_B=5.8$		5.0	2.10
			pP	15 42	15.0		2.0	
			sP	15 42	42.0		1.6	
			ScP	15 46	46.5		−1.3	
			S	15 47	10.0		2.4	
CD2	40.8	342	+iP	15 41	31.0		−0.2	
			PMZ		$m_B=5.8$		4.0	1.46
			pP	15 42	26.8		5.1	
			sP	15 42	51.4		2.4	
			PP	15 43	15.0		3.4	
			iS	15 47	23.0		−0.9	
XAN	42.5	349	+iP	15 41	44.7		−0.5	
			pP	15 42	36.0		0.1	
			S	15 47	48.0		0.1	
TIA	43.9	360	+P	15 41	55.4		−0.8	
			pP	15 42	45.0		−2.1	
			PcP	15 43	37.0		−0.7	
			S	15 48	06.0		−1.7	
			LN				15.0	0.66
			LZ				19.0	0.96
LZH	45.6	344	+iP	15 42	10.0		0.0	
			PMZ		$m_b=5.4$		2.0	0.34
			PMZ		$m_B=5.5$		4.0	0.83
			pP	15 43	04.5		3.4	
			sP	15 43	28.0		−0.3	
			PcP	15 43	43.0		−0.7	
			PP	15 44	02.0		2.1	
			eS	15 48	32.0		−1.8	
			ScS	15 51	36.0		−0.5	
			SMN				16.0	0.94
			LZ				18.0	1.10
TIY	45.6	354	+iP	15 42	09.6		−0.5	
			PMZ		$m_b=5.6$		0.9	0.21
			pP	15 43	01.0		−0.3	
			S	15 48	31.0		−1.6	
			LE				16.0	1.49
DL2	46.7	4	P	15 42	18.3		−0.2	
			PMZ		$m_b=5.6$		1.0	0.24
			pP	15 43	08.0		−2.1	
			sP	15 43	32.0		−5.1	
			eS	15 48	46.0		−3.1	
BJI	47.7	359	+iP	15 42	26.0		−0.2	
			PMZ		$m_B=5.7$		4.0	1.20
			pP	15 43	16.0		−2.1	
			sP	15 43	46.0		1.0	
			ScP	15 47	19.5		−0.7	
			eS	15 49	01.0		−2.1	
			esS	15 50	37.0		2.8	
			eScS	15 51	49.0		−1.3	
			LZ				18.0	0.89
BTO	48.8	352	+iP	15 42	33.0		−1.3	
			pP	15 43	27.0		0.8	
			sP	15 43	56.0		2.9	
			S	15 49	16.5		0.0	
			LN				14.0	0.70
			LE				15.0	0.60
HHC	48.8	354	+iP	15 42	34.0		−0.8	
			S	15 49	17.0		−0.4	
			LZ				26.0	1.12
SNY	49.8	6	+iP	15 42	40.5		−1.5	
			PMZ		$m_B=5.8$		4.0	1.39
			PcP	15 43	58.0		−0.7	
			S	15 49	26.0		−5.0	
			LE				7.0	0.70
GTA	49.9	342	+iP	15 42	43.0		0.3	
			PMZ		$m_b=5.5$		1.0	0.18
			pP	15 43	38.0		3.1	
			sP	15 44	05.0		3.3	
			ScP	15 47	28.0		−1.2	

			S	15 49 30.0	−1.8			
			ScS	15 52 03.4	−1.1			
			LZ			18.0	0.59	
CN2	52.0	7	+iP	15 42 56.5	−1.7			
			pP	15 43 53.7	2.7			
			PcP	15 44 03.0	−3.8			
			ScP	15 47 38.0	−0.3			
			S	15 50 01.0	0.5			
			iScS	15 52 17.0	−2.0			
MDJ	53.4	11	+iP	15 43 08.2	−0.5			
			pP	15 44 00.0	−1.8			
			S	15 50 20.0	0.2			
			SME	$m_B = 5.6$		12.0	1.10	
WMQ	58.1	335	+iP	15 43 41.6	−0.9			
			PMZ	$m_B = 5.8$		4.0	1.10	
			pP	15 44 39.5	3.0			
			S	15 51 20.5	−1.8			
			SMN	$m_B = 5.5$		6.0	0.54	
			SME			5.0	0.46	
			ScS	15 53 03.0	−0.1			
KSH	60.9	324	P	15 43 59.0	−2.4			
			pP	15 44 56.0	0.1			
			S	15 51 56.0	−1.6			

JUN 9d 16h 52m 11.3 ± 0.13s, SD1.45 / 82
20.40 N ± 1.73km, 145.33 E ± 2.77km, h151 ± 0.40km
Marianas (216)
m_b4.7 / 3,

SSE	24.2	301	+P	16 57 14.4	−0.6			
			PMZ	$m_b = 5.0$		1.2	0.062	
			epP	16 57 46.7	1.5			
			eS	17 01 18.0	−1.4			
			sS	17 02 15.0	2.9			
NJ2	26.4	302	−P	16 57 37.0	1.5			
			eS	17 02 00.0	4.1			
			ScP	17 04 22.0	0.5			
MDJ	27.5	335	eP	16 57 46.3	0.7			
			S	17 02 17.0	4.1			
DL2	27.5	317	P	16 57 46.5	0.4			
SNY	28.2	324	+P	16 57 50.4	−1.8			
CN2	28.6	329	+P	16 57 54.8	−1.3			
			pP	16 58 28.0	0.6			
			sP	16 58 44.0	−1.2			
			iPcP	17 01 08.0	5.1			
			ScS	17 08 22.0	1.3			
TIA	29.3	309	eP	16 58 00.9	−0.9			
WHN	29.7	296	eP	16 58 04.8	−0.4			
BJI	31.7	315	eP	16 58 21.5	−1.6			
			eS	17 03 16.0	−4.4			
			eScP	17 04 39.0	0.7			
			eScS	17 08 38.0	2.6			
TIY	33.3	308	eP	16 58 37.0	−0.2			
			pP	16 59 10.0	0.9			
			LZ			16.0	0.48	
XAN	34.9	301	P	16 58 49.8	−1.0			
HHC	35.2	313	−P	16 58 53.2	0.1			
GYA	35.9	287	P	16 59 00.4	1.3			
			pP	16 59 34.8	3.3			
			eS	17 04 26.4	0.7			
			ScP	17 04 53.0	−0.1			
BTO	36.2	312	P	16 59 01.2	−0.1			
CD2	38.7	294	eP	16 59 23.0	0.3			
LZH	39.4	302	eP	16 59 29.0	0.3			
GTA	43.3	306	P	17 00 00.0	0.0			
			PMZ	$m_b = 4.7$		1.0	0.016	
			PcP	17 01 47.2	1.1			
			ScP	17 05 22.4	0.8			
			ScS	17 09 43.0	2.3			

	52.9	310	P	17 01 15.0	0.2			
			pP	17 01 47.4	−1.6			
WMQ			PcP	17 02 21.5	0.6			
			ScP	17 05 58.5	−3.7			
			S	17 08 32.0	2.2			
			SMN			2.0	0.050	
			ScS	17 10 45.0	0.3			
KSH	61.7	305	eP	17 02 14.0	−2.2			

JUN 9d 18h 04m 03.9 ± 0.16s, SD1.58 / 64
39.81 N ± 1.91km, 74.46 E ± 1.05km, h23 ± 1.74km
Tadzhikistan−Xinjiang border region (719)
M_S4.9 / 13, M_L5.3 / 3, m_B5.6 / 2,

KSH	1.2	104	Pg	18 04 25.4	0.4			
			Sg	18 04 42.0	0.9			
			SMN	$M_L = 5.3$		0.7	62.8	
			SME			0.6	56.6	
WMQ	10.7	64	−iP	18 06 38.0	−0.8			
			S	18 08 38.0	−0.1			
			LN	$M_S = 5.2$		5.0	4.00	
			LE			5.0	3.78	
			LZ	$M_S = 4.8$		7.0	3.22	
GTA	19.5	83	+iP	18 08 33.0	0.0			
			PMZ	$m_b = 5.1$		0.8	0.073	
			LN	$M_S = 4.8$		8.0	1.24	
			LZ	$M_S = 4.5$		14.0	1.50	
LZH	23.4	90	eP	18 09 13.5	0.7			
			PMZ	$m_b = 5.3$		1.5	0.20	
			PMZ	$m_B = 5.5$		4.0	0.81	
			pP	18 09 22.0	2.2			
			sP	18 09 28.0	4.7			
			eS	18 13 20.0	−1.3			
			LZ	$M_S = 4.6$		14.0	1.30	
CD2	25.4	101	P	18 09 32.4	0.6			
BTO	27.1	77	eP	18 09 46.0	−1.2			
			esP	18 10 00.0	2.1			
			eS	18 14 19.0	−3.3			
			LN	$M_S = 4.6$		12.0	0.50	
			LE			12.0	0.50	
KMI	27.9	113	+P	18 09 53.5	−1.0			
			sP	18 10 07.0	1.9			
			sS	18 14 54.0	6.8			
			LE	$M_S = 5.2$		11.0	2.20	
			LZ	$M_S = 4.8$		12.0	1.60	
XAN	28.0	91	−P	18 09 56.2	0.2			
TIY	29.5	82	eP	18 10 09.0	−0.5			
			eS	18 15 08.0	6.0			
			LE	$M_S = 4.8$		10.0	0.67	
			LZ	$M_S = 4.8$		14.0	1.43	
GYA	29.9	107	P	18 10 12.8	0.0			
BJI	31.8	76	eP	18 10 29.5	0.2			
			LN	$M_S = 4.9$		12.0	1.01	
			LZ	$M_S = 4.4$		14.0	0.59	
TIA	33.6	82	−P	18 10 44.8	−0.1			
			LZ	$M_S = 4.5$		12.0	0.50	
WHN	33.7	93	eP	18 10 45.5	−0.1			
			pP	18 10 56.0	2.9			
			eS	18 16 10.0	3.6			
NJ2	36.5	88	−P	18 11 10.0	0.4			
			LZ	$M_S = 4.7$		10.0	0.64	
CN2	37.7	67	eP	18 11 19.0	−1.2			
			eS	18 17 06.5	−2.7			
			LE	$M_S = 4.9$		9.0	0.50	
			LZ	$M_S = 4.6$		18.0	0.90	
SSE	38.7	88	+P	18 11 29.0	0.9			
			PMZ	$m_b = 5.3$		1.0	0.049	
			epP	18 11 41.0	5.3			
QZH	39.7	98	eP	18 11 36.5	−0.1			

JUN 9d 21h 11m 20.2 ± 0.18s, SD2.50 / 58
25.26 N ± 2.23km, 102.01 E ± 1.25km, h10 ± 0.23km
Yunnan Province (318)
M_S4.6 / 7, M_L4.1 / 8, m_b4.3 / 3,

KMI	0.7	101	+Pg	21 11 36.0	3.4		
			Sg	21 11 48.0	6.3		
			LN			4.0	23.6
			LE			4.0	34.1
GYA	4.4	73	Pn	21 12 30.4	3.3		
			Sn	21 13 23.0	3.0		
			SMN	M_L = 3.9		1.2	0.24
			SME			1.2	0.16
			LN	M_S = 4.1		6.0	1.10
			LE			6.0	1.80
CD2	5.8	15	Pn	21 12 51.4	4.1		
			Sn	21 13 57.8	1.3		
			SMN	M_L = 4.7		1.2	0.45
			SME			1.4	0.88
			LE	M_S = 4.6		9.0	5.94
XAN	10.6	33	P	21 13 52.6	−3.2		
			LN	M_S = 4.7		10.0	2.20
			LE			10.0	1.74
WHN	12.1	61	P	21 14 17.0	0.8		
GTA	14.2	353	eP	21 14 48.4	4.0		
TIY	15.3	33	eP	21 14 55.4	−2.4		
			LN	M_S = 4.6		8.0	1.06
			LZ	M_S = 4.3		12.0	1.20
NJ2	16.3	62	eP	21 15 09.0	−1.6		
BTO	16.7	22	eP	21 15 18.0	1.7		
			epP	21 15 25.0	4.4		
			eS	21 18 25.0	3.6		
			LN	M_S = 4.6		11.0	0.80
			LE			11.0	0.90
TIA	17.0	46	P	21 15 19.0	−0.4		
BJI	18.9	35	eP	21 15 44.0	0.1		
			LZ	M_S = 4.2		12.0	0.60
WMQ	21.9	331	eP	21 16 15.5	−0.1		
SNY	24.3	42	+P	21 16 39.5	0.1		
KSH	26.1	309	eP	21 16 59.0	2.5		
CN2	26.6	40	eP	21 17 01.0	0.1		

JUN 10d 10h 41m 43.3 ± 0.12s, SD4.73 / 5
25.19 N ± 0.81km, 101.84 E ± 0.59km, h4 ± 1.00km
Yunnan Province (318)
M_L3.1 / 3,

KMI	0.8	94	+Pg	10 41 57.0	−1.1		
			Sg	10 42 08.0	−1.1		
			SMN	M_L = 3.0		1.0	0.50
			SME			1.0	0.50
GYA	4.5	73	Pn	10 42 56.6	3.5		

JUN 10d 17h 29m 59.1 ± 0.07s, SD1.27 / 35
22.18 S ± 2.69km, 138.76 W ± 3.13km, h5 ± km
Tuamotu Archipelago region (631)

BJI	115.2	305	ePKP	17 48 42.0	−0.7		
BTO	119.9	305	PKP	17 48 52.7	0.7		
GYA	120.8	288	PKP	17 48 54.6	0.8		
CD2	124.0	293	ePKP	17 49 00.8	0.9		
GTA	127.7	303	ePKP	17 49 07.4	0.2		
WMQ	136.1	311	ePKP	17 49 22.8	−0.2		
KSH	145.8	308	ePKP	17 49 41.2	0.9		

JUN 11d 04h 44m 51.7 ± 0.08s, SD1.74 / 28
36.59 N ± 1.31km, 71.27 E ± 1.08km, h224 ± 0.55km
Hindu Kush region (718)
m_b4.7 / 1,

KSH	4.7	50	+iP	04 46 04.0	0.3		
			S	04 46 59.0	−0.1		
			SMN			0.5	2.90
			SME			0.5	3.40
WMQ	14.5	55	P	04 48 07.5	−0.3		
			S	04 50 44.8	2.4		
			SME			1.5	0.010
GTA	22.6	74	eP	04 49 36.2	1.4		
			PMZ	m_b = 4.7		0.8	0.019
WHN	36.2	87	eP	04 51 38.7	3.9		

JUN 11d 11h 33m 04.1 ± 0.10s, SD1.79 / 23
11.28 N ± 1.57km, 126.21 E ± 2.79km, h33 ± 0.24km
Leyte (256)
m_b4.5 / 1,

SSE	20.3	347	eP	11 37 40.0	0.4		
			sP	11 37 51.5	−1.1		
GYA	23.8	312	P	11 38 16.6	1.2		
BJI	30.0	344	eP	11 39 12.0	−0.1		
GTA	36.5	325	eP	11 40 09.0	0.1		
			PMZ	m_b = 4.5		1.0	0.0090
WMQ	46.4	322	eP	11 41 29.5	−0.3		

JUN 11d 12h 21m 48.2 ± 0.18s, SD2.29 / 12
52.00 S ± 2.04km, 159.05 E ± 3.56km, h9 ± 1.16km
Macquarie Island region (167)
m_b5.3 / 1,

SSE	89.2	328	eP	12 34 47.5	1.2		
			PMZ	m_b = 5.3		1.2	0.028
NJ2	90.8	327	+P	12 34 58.6	4.6		

JUN 11d 13h 24m 31.5 ± 0.10s, SD1.35 / 44
35.18 N ± 2.26km, 34.91 W ± 1.71km, h8 ± 0.23km
North Atlantic Ridge (403)
M_S5.9 / 11, m_B5.6 / 1,

KSH	82.1	47	−iP	13 36 56.0	1.2		
			PcP	13 37 03.0	3.4		
			PP	13 40 04.0	0.5		
			eS	13 47 12.0	3.1		
			LE	M_S = 6.1		14.0	3.60
			LZ	M_S = 6.1		18.0	7.10
WMQ	85.6	38	−P	13 37 13.5	0.6		
			PMZ			3.0	0.80
			sP	13 37 25.0	4.5		
			PP	13 40 30.5	−1.6		
			S	13 47 40.0	−2.5		
			SMN	m_B = 5.6		9.0	0.45
			LN	M_S = 6.2		16.0	2.91
			LE			19.0	4.59
			LZ	M_S = 6.1		19.0	7.20
GTA	94.8	34	eP	13 37 55.8	−0.3		
			SKS	13 48 32.0	3.0		
			LE	M_S = 5.8		15.0	1.61
			LZ	M_S = 5.7		18.0	2.53
BTO	98.0	26	eP	13 38 11.5	1.1		
			epP	13 38 19.0	3.5		
			PP	13 42 10.0	−0.9		
			eSKS	13 48 47.0	0.7		
			S	13 49 34.0	1.6		
			LN	M_S = 5.9		15.0	1.80
			LE			17.0	1.10
HHC	98.3	25	eP	13 38 13.5	1.6		
CN2	99.4	14	eP	13 38 16.0	−0.7		
			pP	13 38 23.5	1.7		
			PP	13 42 16.0	−5.0		
			eSKS	13 48 54.0	1.1		
			LN	M_S = 5.7		17.0	1.20
			LZ	M_S = 5.6		20.0	1.80
BJI	100.5	22	eP	13 38 22.0	0.0		

			ePP	13 42 28.0	−2.5			
			eSKS	13 48 58.0	−0.6			
			eS	13 49 54.0	−1.8			
			eSS	13 56 52.0	−1.9			
			LN	M_S=5.8		14.0	1.34	
			LZ	M_S=5.9		16.0	3.20	
DL2	103.2	19	eP	13 38 34.0	0.4			
			SKS	13 49 14.0	2.9			
			eS	13 50 16.0	−1.6			
			LN	M_S=5.7		15.0	1.08	
			LZ	M_S=5.4		20.0	1.03	

JUN 11d 13h 42m 44.0±0.12s, SD2.00/37
26.31 N±1.72km, 90.78 E±1.04km, h32±0.07km
India–Bangladesh border region (315)
M_S5.0/2,

LSA	3.4	5	−iPn	13 43 40.4	4.7			
			Sn	13 44 19.6	3.8			
GYA	14.2	86	P	13 46 05.6	−0.1			
LZH	14.8	46	P	13 46 15.0	1.7			
GTA	15.1	28	eP	13 46 15.8	−1.2			
XAN	17.5	60	P	13 46 45.2	−1.7			
WMQ	17.6	353	P	13 46 51.5	2.3			
WHN	21.1	73	eP	13 47 29.0	0.2			
			sP	13 47 41.5	0.0			
			eS	13 51 15.2	−2.2			
			LN	M_S=4.9		16.0	1.98	
			LE			16.0	1.90	
			LZ	M_S=4.3		20.0	1.25	
BTO	21.4	43	eP	13 47 32.0	0.5			
TIY	21.5	53	eP	13 47 32.0	−0.9			
			pP	13 47 43.0	1.6			
			LN	M_S=5.1		17.0	2.89	
			LE			17.0	2.90	
			LZ	M_S=4.6		23.0	2.80	
BJI	25.2	51	P	13 48 12.0	3.6			

JUN 11d 20h 03m 50.4±0.16s, SD2.95/16
35.17 N±3.77km, 141.01 E±4.56km, h89±4.51km
Near east coast of Honshu (228)

CN2	14.8	310	P	20 07 17.0	0.9			
WHN	22.8	266	eP	20 08 46.5	−0.3			
GYA	30.6	263	P	20 09 57.2	−1.7			
WMQ	41.4	299	eP	20 11 33.0	2.9			

JUN 11d 23h 24m 38.5±0.09s, SD1.41/65
6.42 S±1.03km, 147.99 E±2.78km, h55±0.91km
Eastern New Guinea region (207)
M_S4.8/4, m_b5.1/1,

SSE	45.3	327	+P	23 32 53.0	0.2			
			PMZ	m_b=5.1		0.8	0.020	
			pP	23 33 04.0	−2.3			
			sP	23 33 10.5	−1.6			
			LN	M_S=5.1		14.0	0.93	
			LZ	M_S=4.7		20.0	0.93	
NJ2	47.3	326	+P	23 33 09.0	0.3			
			eS	23 40 00.0	3.2			
			LZ	M_S=4.6		20.0	0.70	
WHN	48.9	321	eP	23 33 19.0	−2.2			
GYA	51.7	311	P	23 33 44.4	1.6			
SNY	52.9	337	eP	23 33 50.9	−1.1			
			S	23 41 21.0	6.6			
			LZ	M_S=4.8		20.0	0.84	
MDJ	53.4	344	eP	23 33 55.5	−0.2			
			S	23 41 24.0	3.0			
			LZ	M_S=4.8		20.0	0.88	
CN2	54.0	340	eP	23 34 01.0	1.3			
			pP	23 34 16.8	3.4			
			eS	23 41 31.0	1.4			
			LN	M_S=4.7		17.0	0.40	
XAN	54.6	320	P	23 34 03.5	−1.0			
BJI	54.7	330	eP	23 34 04.0	−1.3			
			eS	23 41 40.0	0.1			
			LZ	M_S=4.9		22.0	1.06	
TIY	55.0	326	eP	23 34 05.8	−1.4			
			S	23 41 48.0	5.9			
			LE	M_S=4.8		13.0	0.33	
			LZ	M_S=4.9		28.0	1.49	
CD2	56.3	314	eP	23 34 17.8	1.4			
BTO	58.4	327	eP	23 34 31.0	−0.2			
LZH	59.2	319	eP	23 34 42.0	5.1			
GTA	63.7	320	eP	23 35 07.0	−0.3			
WMQ	73.7	319	eP	23 36 09.0	−0.4			
			pP	23 36 25.0	1.7			
			eS	23 45 40.0	5.0			

JUN 12d 00h 04m 09.3±0.07s, SD1.22/117
21.87 N±1.14km, 89.80 E±0.99km, h4±0.16km
Bangladesh (316)
M_S5.3/43, m_B6.1/40, m_b5.9/23,

LSA	7.9	9	−Pn	00 06 08.8	3.1			
			Sn	00 07 32.8	−4.7			
KMI	12.3	72	−iP	00 07 10.0	1.2			
			PMZ	m_B=5.9		6.0	1.90	
			sP	00 07 20.0	4.5			
			iS	00 09 21.0	−6.9			
			SS	00 09 36.0	−5.2			
			LN	M_S=5.4		9.0	11.2	
			LE			10.0	5.80	
CD2	15.4	51	−iP	00 07 47.2	−2.2			
			pP	00 07 54.0	0.9			
			S	00 10 35.5	−5.2			
			LN	M_S=5.2		12.0	5.98	
			LZ	M_S=4.7		24.0	5.01	
GYA	16.1	70	−P	00 07 57.0	−1.0			
			PMZ			3.0	2.35	
			SMN	m_B=6.1		5.0	6.60	
			LN	M_S=5.4		12.0	8.10	
			LE			12.0	3.30	
LZH	18.7	38	−iP	00 08 30.0	−1.5			
			PMZ	m_b=6.4		1.5	2.60	
			PMZ	m_B=6.3		8.0	10.5	
			sP	00 08 43.0	4.5			
			S	00 11 58.0	0.9			
			SMN	m_B=5.9		6.0	3.92	
			sS	00 12 06.0	2.1			
			LN	M_S=5.2		9.0	2.70	
			LE			12.0	3.20	
			LZ	M_S=5.0		24.0	8.80	
QZN	19.0	95	eP	00 08 36.1	1.5			
			pP	00 08 44.0	5.6			
			S	00 11 58.0	−5.2			
			LN	M_S=5.4		12.0	6.00	
			LE			12.0	3.35	
GTA	19.5	24	−iP	00 08 38.3	−1.9			
			PMZ	m_B=6.1		5.0	4.71	
			pP	00 08 49.5	5.5			
			S	00 12 14.0	0.2			
			sS	00 12 24.0	3.4			
			LE	M_S=5.1		12.0	3.62	
			LZ	M_S=4.9		22.0	6.18	
XAN	20.8	50	−iP	00 08 53.5	−0.5			
			PMZ	m_B=6.5		4.0	8.99	
			S	00 12 38.0	−2.8			
			LN	M_S=5.2		12.0	3.54	
			LE			12.0	2.45	

KSH	21.2	329	−iP	00 08 59.0	0.2		
			S	00 12 47.0	−2.6		
			SME	$m_B = 6.3$		7.0	10.7
			LN	$M_S = 5.4$		12.0	5.90
GZH	21.8	82	−P	00 09 04.0	−0.5		
			PP	00 09 30.0	1.2		
			S	00 12 58.0	−2.5		
			sS	00 13 15.0	6.7		
			PcS	00 16 40.0	−1.9		
			LN	$M_S = 5.5$		10.0	4.60
			LE			12.0	4.10
			LZ	$M_S = 5.0$		12.0	3.30
WMQ	22.0	356	+iP	00 09 07.5	1.2		
			PMZ	$m_b = 6.1$		2.0	1.71
			pP	00 09 15.0	4.4		
			S	00 12 58.0	−5.6		
			SMN	$m_B = 6.3$		4.0	4.32
			SME			7.0	6.71
			sS	00 13 05.0	−6.4		
			ScS	00 20 23.0	−2.1		
			LE	$M_S = 5.6$		13.0	9.13
			LZ	$M_S = 4.9$		24.0	5.69
WHN	23.6	63	−iP	00 09 21.5	−1.1		
			PMZ	$m_B = 6.6$		4.0	8.40
			sP	00 09 30.0	0.1		
			iS	00 13 30.0	−4.3		
			SMN	$m_B = 6.5$		6.0	9.23
			SME			8.0	10.6
			LZ	$M_S = 4.8$		24.0	3.40
TIY	25.1	46	−iP	00 09 37.5	0.4		
			PMZ	$m_b = 6.1$		1.2	0.58
			PMZ	$m_B = 6.1$		5.0	2.48
			sP	00 09 47.0	2.7		
			PP	00 10 10.5	−3.6		
			S	00 13 57.0	−1.9		
			LE	$M_S = 5.1$		14.0	2.52
			LZ	$M_S = 5.0$		20.0	4.38
BTO	25.3	38	−iP	00 09 40.6	1.3		
			sP	00 09 51.0	4.5		
			PP	00 10 21.0	3.9		
			S	00 14 03.0	0.1		
			SS	00 15 01.0	−2.7		
HHC	26.4	39	−iP	00 09 50.4	1.2		
			PMZ	$m_B = 6.2$		4.0	2.36
			S	00 14 18.0	−2.4		
			SMN	$m_B = 6.1$		6.0	2.31
			SME			7.0	2.81
			LN	$M_S = 5.3$		13.0	3.02
			LE			11.0	1.91
QZH	26.6	78	eP	00 09 51.2	0.5		
			S	00 14 20.0	−3.4		
			LN	$M_S = 5.8$		11.0	8.71
TIA	27.7	53	−P	00 10 00.9	−0.3		
			S	00 14 39.0	−2.9		
			LN	$M_S = 5.1$		15.0	1.65
			LE			15.0	1.90
			LZ	$M_S = 5.1$		25.0	5.89
NJ2	27.7	62	−P	00 10 01.0	−0.3		
			PMZ	$m_b = 5.5$		1.0	0.090
			LN	$M_S = 5.6$		10.0	3.46
			LE			9.0	2.64
			LZ	$M_S = 4.9$		22.0	3.46
BJI	28.8	45	eP	00 10 11.5	0.5		
			PMZ	$m_B = 5.7$		5.0	0.82
			esP	00 10 18.0	−0.3		
			eS	00 15 00.0	−0.3		
			LN	$M_S = 5.1$		10.0	1.42
			LZ	$M_S = 4.8$		25.0	2.65
SSE	29.5	65	+P	00 10 15.8	−1.2		
			PMZ	$m_b = 6.1$		2.0	0.64
			S	00 15 08.0	−2.1		
			PcS	00 17 03.0	−0.9		
			LN	$M_S = 4.9$		12.0	0.60
			LE			14.0	1.00
			LZ	$M_S = 4.8$		20.0	2.30
DL2	32.1	51	−iP	00 10 40.0	0.1		
			PMZ	$m_b = 6.2$		1.5	0.60
			PMZ	$m_B = 6.0$		4.0	0.94
			S	00 15 46.0	−4.8		
			SMN	$m_B = 5.8$		6.0	1.11
			SME			8.0	0.70
			LZ	$M_S = 4.9$		22.0	2.88
SNY	34.6	47	−iP	00 11 01.7	−0.2		
			PMZ			3.0	1.40
			LZ	$M_S = 4.9$		24.0	2.58
CN2	36.7	45	−iP	00 11 19.5	−0.1		
			PMZ	$m_B = 6.0$		4.0	1.10
			eS	00 16 58.0	−5.2		
			SMN	$m_B = 5.8$		7.0	0.70
			SME			7.0	1.20
			LN	$M_S = 5.2$		13.0	1.50
MDJ	39.7	46	+iP	00 11 45.3	0.1		
			epP	00 11 54.0	4.2		
			S	00 17 44.0	−4.8		
			LZ	$M_S = 4.9$		20.0	1.77

JUN 12d 05h 47m 35.2 ± 0.07s, SD1.05 / 56
15.26 S ± 1.39km, 167.79 E ± 2.34km, h254 ± 0.66km
Vanuatu (New Hebrides) (186)
m_B5.3 / 2, m_b4.9 / 1,

NJ2	66.4	316	eP	05 57 59.0	−0.5
WHN	68.7	312	eP	05 58 11.0	−2.6
DL2	69.0	323	eP	05 58 17.0	1.2
			eS	06 06 56.0	−3.6
			ScS	06 07 52.0	4.4
SNY	69.9	326	+P	05 58 21.2	−0.1
CN2	70.4	329	−P	05 58 23.5	−0.4
			pP	05 59 20.0	−2.0
			sP	05 59 45.0	−3.7
			eS	06 07 16.0	0.8
			SMN	$m_B = 5.2$	7.0 0.30
GYA	72.4	305	−P	05 58 36.8	0.3
			sP	06 00 01.6	0.3
			S	06 07 40.0	2.7
BJI	73.0	321	eP	05 58 39.5	−0.1
			eS	06 07 46.0	1.0
			eSKS	06 08 16.0	0.9
TIY	74.0	317	eP	05 58 46.8	1.3
			pP	05 59 42.0	−1.9
			PP	06 01 37.0	2.0
			S	06 07 59.0	4.4
			LN		11.0 0.19
			LZ		22.0 0.52
XAN	74.4	312	P	05 58 48.0	0.0
CD2	76.7	307	eP	05 59 01.2	0.3
BTO	77.1	319	eP	05 59 05.0	1.7
GTA	83.4	314	+P	05 59 36.6	0.3
			PMZ	$m_b = 4.9$	1.4 0.031
WMQ	93.4	314	eP	06 00 24.0	0.0
			pP	06 01 25.0	0.6
			SKS	06 10 32.5	1.3

JUN 12d 13h 11m 51.2 ± 0.08s, SD1.02 / 48
30.01 S ± 1.65km, 178.70 W ± 2.12km, h92 ± 0.62km
Kermadec Islands region (177)

QZN	84.3	296	eP	13 24 16.4	1.5

NJ2	85.5	311	+P	13 24 20.0	−1.1			
WHN	87.6	307	eP	13 24 31.5	0.2			
MDJ	88.0	326	eP	13 24 33.7	0.8			
DL2	88.3	318	eP	13 24 34.5	0.2			
SNY	89.1	321	+P	13 24 39.0	0.7			
TIA	89.3	313	eP	13 24 39.2	0.1			
CN2	89.5	323	+iP	13 24 40.5	0.5			
GYA	90.8	300	P	13 24 46.2	−0.4			
BJI	92.2	316	eP	13 24 53.0	0.2			
TIY	93.2	312	eP	13 24 57.5	0.3			
XAN	93.4	308	P	13 24 58.5	0.2			

JUN 12d 18h 21m 02.7 ± 0.05s, SD1.27 / 46
22.60 S ± 2.03km, 175.79 W ± 1.64km, h71 ± 0.52km
South of Fiji (171)

MDJ	83.4	324	eP	18 33 24.0	−0.4			
CN2	85.2	322	−P	18 33 33.0	−0.4			
WHN	85.3	306	eP	18 33 34.5	0.5			
			sP	18 34 06.0	5.2			
BJI	88.8	315	eP	18 33 51.0	0.1			
TIY	90.2	311	+P	18 33 58.6	1.1			
			SKS	18 44 22.0	2.9			
			LZ	$M_S = 4.9$		24.0	0.54	
XAN	91.0	307	P	18 34 01.5	0.1			
HHC	92.3	314	P	18 34 08.0	0.8			
BTO	93.2	313	eP	18 34 12.0	0.6			
GTA	99.9	308	eP	18 34 44.2	2.4			
WMQ	109.8	310	ePKP	18 39 26.6	0.2			

JUN 12d 18h 34m 54.7 ± 0.08s, SD2.02 / 25
33.38 N ± 1.88km, 139.34 E ± 1.60km, h180 ± 1.11km
South of Honshu (211)

MDJ	13.5	329	eP	18 38 01.5	0.9			
CN2	15.0	318	+P	18 38 19.0	−0.4			
WHN	21.4	269	eP	18 39 28.6	−0.4			
GTA	32.2	292	eP	18 41 13.6	5.3			
WMQ	41.1	300	eP	18 42 22.8	0.0			

JUN 12d 20h 45m 22.4 ± 0.16s, SD2.09 / 16
5.61 S ± 0.96km, 130.99 E ± 1.30km, h70 ± 1.65km
Banda Sea (280)

BJI	47.4	345	eP	20 53 52.0	−0.3			
GTA	53.3	330	eP	20 54 36.0	−0.8			

JUN 13d 07h 21m 00.4 ± 0.09s, SD2.12 / 26
31.52 N ± 0.94km, 109.15 E ± 0.97km, h14 ± 0.05km
Sichuan Province (307)
M_S3.8 / 6, M_L3.7 / 14,

XAN	2.5	356	+iPn	07 21 41.4	−0.1			
			Pg	07 21 45.0	0.0			
			Sg	07 22 17.0	−2.5			
			SMN	$M_L = 3.6$		1.0	0.29	
			SME			1.0	0.43	
			LN			6.0	1.33	
WHN	4.6	101	Pg	07 22 22.5	1.3			
			eSn	07 23 04.0	−0.6			
			Sg	07 23 21.0	−2.6			
			SMN	$M_L = 4.0$		0.8	0.23	
			LN	$M_S = 4.0$		4.0	0.88	
			LE			4.0	0.61	
CD2	4.7	264	ePg	07 22 27.0	4.3			
			Sg	07 23 25.7	−0.6			
			SMN	$M_L = 3.8$		1.0	0.080	
			SME			1.2	0.17	
			LE	$M_S = 3.7$		5.0	0.63	
GYA	5.5	204	Pn	07 22 24.0	1.7			
			Sn	07 23 27.0	−0.3			
			SMN	$M_L = 3.7$		1.2	0.080	
			SME			1.2	0.070	
			LN	$M_S = 3.8$		6.0	0.60	
			LE			6.0	0.50	
LZH	6.3	317	ePg	07 22 49.0	−3.7			
			LN	$M_S = 3.8$		8.0	0.70	
			LE			9.0	0.40	
TIY	6.7	23	ePn	07 22 40.0	0.4			
			LN	$M_S = 3.6$		10.0	0.49	
			LZ	$M_S = 3.7$		14.0	0.71	
BTO	9.1	4	eP	07 23 15.5	0.9			

JUN 13d 08h 52m 42.3 ± 0.07s, SD0.95 / 96
30.97 N ± 1.19km, 138.32 E ± 1.33km, h390 ± 0.46km
South of Honshu (211)
m_B4.8 / 2, m_b5.2 / 20,

SSE	14.7	275	+P	08 55 53.0	−1.5			
			PMZ	$m_b = 5.0$		0.8	0.036	
			eS	08 58 29.0	0.1			
MDJ	15.3	336	eP	08 56 00.0	−0.4			
			S	08 58 40.0	0.6			
			SME	$m_B = 4.8$		4.0	0.50	
DL2	15.8	305	P	08 56 05.8	−0.2			
			PMZ	$m_b = 5.7$		1.0	0.31	
			S	08 58 52.0	2.4			
SNY	16.0	317	−iP	08 56 08.5	0.0			
CN2	16.4	325	−iP	08 56 11.8	0.0			
			sP	08 57 46.0	−1.2			
			S	08 59 01.0	0.6			
			SMN	$m_B = 4.8$		4.5	0.40	
			SME			4.5	0.30	
			ScS	09 07 16.0	0.0			
NJ2	16.6	279	−iP	08 56 14.0	−0.6			
			PMZ	$m_b = 5.8$		0.8	0.30	
			eS	08 59 10.0	4.0			
			ScP	09 03 39.0	0.8			
TIA	18.4	292	−P	08 56 32.2	−0.2			
QZH	18.4	256	P	08 56 32.4	−0.1			
BJI	20.1	303	eP	08 56 49.0	−0.3			
			eS	09 00 08.0	−0.9			
			ScP	09 03 46.0	0.2			
			eScS	09 07 29.0	1.2			
WHN	20.6	275	−iP	08 56 55.0	1.2			
			PMZ	$m_b = 5.6$		0.8	0.20	
TIY	22.4	295	−P	08 57 11.1	0.4			
			PMZ	$m_b = 5.2$		0.8	0.080	
			sP	08 58 57.0	−4.6			
			eS	09 00 47.0	0.1			
			LE			13.0	0.25	
			LZ			14.0	0.48	
HHC	23.7	302	−P	08 57 23.0	−0.2			
BTO	24.8	301	P	08 57 33.0	0.1			
XAN	24.9	285	−iP	08 57 34.0	−0.1			
GYA	28.1	269	−P	08 58 01.6	−0.5			
			PMZ	$m_b = 4.9$		1.0	0.060	
			PcP	09 01 05.4	0.4			
			S	09 02 15.0	−2.6			
			ScS	09 08 01.2	1.5			
QZN	28.3	252	P	08 58 05.7	1.4			
LZH	29.1	289	P	08 58 11.0	−0.1			
			PMZ	$m_b = 5.1$		1.0	0.085	
CD2	29.6	279	−iP	08 58 14.6	−0.6			
KMI	31.8	268	−P	08 58 34.0	−1.0			
GTA	32.4	296	−iP	08 58 39.2	−0.3			
			PMZ	$m_b = 5.1$		0.8	0.073	
WMQ	41.6	303	P	08 59 55.5	−0.4			
			PMZ	$m_b = 5.0$		1.5	0.12	
			PcP	09 01 44.5	−0.2			
			ScP	09 04 58.0	2.1			

			eS	09 05 44.5	0.7			
			ScS	09 09 13.0	−0.1			
KSH	50.8	298	eP	09 01 08.5	1.5			
			epP	09 02 25.0	−0.5			
			eS	09 07 54.0	1.5			

JUN 13d 17h 07m 06.6 ± 0.12s, SD3.94 / 7
37.01 N ± 0.90km, 96.66 E ± 1.02km, h7 ± 0.67km
Qinghai Province (325)
M_L3.3 / 4,

WMQ	9.6	318	P	17 09 26.0	−2.9			

JUN 13d 17h 49m 40.0 ± 0.11s, SD1.10 / 92
3.63 S ± 1.34km, 140.20 E ± 2.07km, h70 ± 0.32km
West Irian (201)
M_S4.8 / 5, m_B5.7 / 5, m_b5.2 / 7,

QZH	35.3	325	eP	17 56 30.0	−0.8			
			eS	18 02 00.0	0.7			
			LZ	M_S = 4.6		32.0	1.64	
QZN	37.4	308	P	17 56 48.4	0.0			
SSE	39.0	334	+P	17 57 02.0	0.3			
			PMZ	m_b = 5.6		0.8	0.070	
			esP	17 57 31.0	3.9			
			eS	18 02 54.0	−1.5			
			LZ	M_S = 4.1		20.0	0.30	
NJ2	40.9	332	−P	17 57 18.0	0.8			
			pP	17 57 36.0	1.9			
			sP	17 57 47.0	4.4			
			S	18 03 24.0	1.4			
			LZ	M_S = 4.3		22.0	0.50	
WHN	42.0	326	eP	17 57 27.5	1.0			
			eS	18 03 40.0	−0.3			
GYA	44.1	315	P	17 57 44.6	0.8			
			pP	17 58 01.6	0.9			
			sP	17 58 14.0	4.8			
			S	18 04 14.0	3.9			
TIA	45.1	333	+P	17 57 52.1	0.3			
			S	18 04 23.0	−1.6			
			LZ	M_S = 4.6		32.0	1.23	
DL2	45.7	340	P	17 57 56.0	0.0			
			pP	17 58 14.0	0.9			
			eS	18 04 34.0	0.6			
			LZ	M_S = 4.2		28.0	0.44	
KMI	46.2	310	−P	17 58 01.5	0.6			
			pP	17 58 12.0	−5.7			
			S	18 04 41.0	0.4			
			LZ	M_S = 4.8		32.0	1.60	
XAN	47.7	324	−P	17 58 11.5	−0.5			
			eS	18 04 58.0	−4.0			
SNY	47.7	343	−P	17 58 12.0	−0.1			
			pP	17 58 30.0	0.8			
			S	18 05 00.0	−1.2			
			LZ	M_S = 4.6		27.0	1.00	
TIY	48.5	330	−P	17 58 18.5	−0.2			
			sP	17 58 49.0	4.9			
			S	18 05 10.0	−2.9			
			LN	M_S = 4.8		18.0	0.57	
			LZ	M_S = 4.5		34.0	0.87	
BJI	48.7	335	eP	17 58 19.5	−0.6			
			pP	17 58 37.0	−0.2			
			eS	18 05 16.0	−0.7			
			LZ	M_S = 4.6		36.0	1.29	
CD2	48.9	317	P	17 58 21.4	0.3			
			S	18 05 19.0	1.6			
MDJ	49.0	350	eP	17 58 21.8	0.0			
			eS	18 05 23.0	3.1			
			LZ	M_S = 4.5		28.0	0.70	
CN2	49.0	346	−iP	17 58 22.0	−0.5			
			PMZ	m_B = 5.7		4.0	0.40	
			pP	17 58 40.5	0.9			
			sP	17 58 49.0	1.0			
			PcP	17 59 43.5	−1.5			
			S	18 05 20.0	0.0			
			SMN	m_B = 5.2		6.0	0.20	
			LZ	M_S = 4.7		20.0	0.80	
HHC	51.4	332	−P	17 58 40.5	−0.3			
			LZ			3.0	1.27	
BTO	52.0	331	P	17 58 44.5	−0.3			
			pP	17 59 05.0	3.0			
			S	18 06 04.0	3.7			
LZH	52.1	323	P	17 58 46.0	0.1			
			PMZ	m_b = 5.4		2.3	0.099	
			pP	17 59 02.5	−0.6			
			S	18 06 00.0	−2.3			
			LZ	M_S = 4.6		40.0	1.12	
GTA	56.7	323	−iP	17 59 18.8	−0.6			
			PMZ	m_b = 5.2		0.6	0.018	
LSA	57.4	309	−P	17 59 24.2	−0.8			
WMQ	66.6	321	−P	18 00 25.8	−0.3			
			PMZ	m_b = 5.0		1.5	0.030	
			pP	18 00 43.9	−0.1			
			S	18 09 06.0	−3.6			
			SMN			2.5	0.030	
KSH	72.8	313	eP	18 01 04.5	0.6			
			epP	18 01 22.0	0.0			
			PP	18 03 50.0	1.9			
			eS	18 10 24.0	0.1			

JUN 14d 00h 17m 07.7 ± 0.09s, SD1.74 / 30
36.74 N ± 2.23km, 140.83 E ± 1.98km, h73 ± 0.99km
Near east coast of Honshu (228)

MDJ	11.6	316	eP	00 19 55.8	3.3			
TIA	19.1	276	eP	00 21 28.4	1.2			
BJI	19.6	287	P	00 21 34.0	1.2			
TIY	22.6	281	−P	00 22 02.5	−0.9			
WHN	22.9	262	eP	00 22 04.5	−1.3			
GYA	30.7	260	P	00 23 18.4	−0.1			
WMQ	40.6	297	+iP	00 24 42.5	0.5			

JUN 14d 00h 28m 59.0 ± 0.08s, SD1.08 / 66
51.60 N ± 2.97km, 174.35 W ± 1.24km, h31 ± 0.32km
Andreanof Islands (7)
M_S4.8 / 2, m_b5.4 / 4,

MDJ	37.3	282	eP	00 36 09.5	−0.6			
CN2	40.2	283	−P	00 36 35.0	0.2			
			sP	00 36 51.0	3.3			
SNY	42.5	282	+iP	00 36 54.2	0.9			
BJI	48.0	285	eP	00 37 37.5	−0.2			
			LZ	M_S = 4.7		22.0	0.94	
TIA	49.9	280	−P	00 37 51.9	−0.1			
HHC	50.3	288	eP	00 37 56.3	1.1			
SSE	50.8	272	+P	00 37 59.5	0.7			
			PMZ	m_b = 5.4		1.2	0.067	
			pP	00 38 10.0	2.2			
BTO	51.4	289	eP	00 38 04.0	0.7			
NJ2	51.6	275	−P	00 38 04.6	−0.2			
			LZ	M_S = 4.4		16.0	0.29	
TIY	51.8	285	−P	00 38 07.5	1.2			
			eS	00 45 22.0	−3.2			
			LE	M_S = 5.0		18.0	0.76	
			LZ	M_S = 4.6		30.0	0.94	
WHN	55.4	277	eP	00 38 32.5	−0.6			
GTA	58.0	294	+P	00 38 50.8	−1.3			
			PMZ	m_b = 4.9		1.0	0.015	
WMQ	61.5	305	−P	00 39 15.9	−0.1			
CD2	61.6	285	P	00 39 16.6	−0.1			

GYA	63.1	279	P	00 39 26.0	−0.2		
KMI	66.4	281	−P	00 39 48.5	0.3		
			sP	00 40 02.0	0.9		
KSH	70.6	309	eP	00 40 14.0	0.1		

JUN 14d 00h 35m 56.7 ± 0.07s, SD1.05 / 69
51.72 N ± 3.68km, 174.34 W ± 1.55km, h29 ± 0.85km
Andreanof Islands (7)
M_S5.1 / 3, m_b5.3 / 5,

MDJ	37.2	282	eP	00 43 07.5	−0.6		
CN2	40.2	283	−P	00 43 35.0	2.3		
SNY	42.5	282	+iP	00 43 52.0	0.8		
DL2	45.4	280	eP	00 44 15.0	0.0		
BJI	48.0	285	eP	00 44 36.0	0.4		
TIA	49.9	280	+P	00 44 49.5	−0.5		
SSE	50.8	272	+P	00 44 57.3	0.4		
			PMZ	m_b = 5.5		1.1	0.072
			pP	00 45 09.0	3.5		
BTO	51.3	289	eP	00 45 02.0	0.9		
NJ2	51.6	275	−P	00 45 02.0	−0.9		
TIY	51.7	285	+P	00 45 05.0	0.8		
			PMZ	m_b = 5.3		1.0	0.040
			eS	00 52 20.0	−3.1		
			LE	M_S = 5.3		20.0	1.82
			LZ	M_S = 4.8		21.0	0.89
WHN	55.4	277	eP	00 45 30.5	−0.7		
GTA	58.0	294	+iP	00 45 49.2	−0.7		
			PMZ	m_b = 5.1		0.8	0.019
			LZ	M_S = 4.7		20.0	0.60
WMQ	61.5	305	+P	00 46 13.5	−0.1		
CD2	61.6	285	+iP	00 46 14.6	0.0		
GYA	63.0	279	P	00 46 24.0	−0.3		
KMI	66.4	281	eP	00 46 46.0	−0.2		
			pP	00 46 58.0	3.2		
			sP	00 47 03.0	4.6		
KSH	70.5	309	eP	00 47 12.0	0.4		
			eS	00 56 21.0	−1.2		

JUN 14d 04h 39m 59.0 ± 0.17s, SD1.44 / 33
51.57 N ± 4.28km, 174.26 W ± 1.59km, h32 ± 1.79km
Andreanof Islands (7)

SNY	42.5	282	eP	04 47 54.3	0.7		
BJI	48.1	285	eP	04 48 38.0	0.0		
SSE	50.8	272	eP	04 48 59.0	−0.1		
			epP	04 49 12.5	4.2		
NJ2	51.6	275	eP	04 49 06.5	1.4		
TIY	51.8	285	eP	04 49 07.9	1.3		
			eS	04 56 25.0	−0.8		
			LZ	M_S = 4.2		22.0	0.26
WHN	55.5	277	eP	04 49 32.3	−1.1		
XAN	56.4	284	P	04 49 39.5	−0.7		
GYA	63.1	279	P	04 50 27.4	0.9		
KMI	66.5	281	−P	04 50 49.5	1.0		

JUN 14d 05h 05m 53.3 ± 0.12s, SD1.26 / 38
51.59 N ± 3.65km, 174.36 W ± 1.46km, h34 ± 1.56km
Andreanof Islands (7)

SNY	42.5	282	−P	05 13 48.4	1.2		
BJI	48.0	285	eP	05 14 30.0	−1.7		
SSE	50.8	272	eP	05 14 53.6	0.9		
TIY	51.8	285	eP	05 15 01.3	1.0		
WHN	55.4	277	eP	05 15 25.5	−1.6		
XAN	56.3	284	P	05 15 33.0	−0.9		
GTA	58.0	294	eP	05 15 45.0	−1.1		
GYA	63.0	279	P	05 16 21.8	1.6		

JUN 14d 10h 17m 34.2 ± 0.11s, SD0.89 / 102
12.88 N ± 1.08km, 143.45 E ± 1.31km, h121 ± 0.51km
South of the Marianas
m_B5.9 / 29, m_b5.8 / 20,

QZH	26.3	301	eP	10 22 59.6	−1.4		
			sP	10 23 37.5	−3.9		
			LN			10.0	0.70
SSE	27.4	315	+P	10 23 08.5	−1.9		
			PMZ	m_b = 5.6		1.5	0.19
			pP	10 23 34.5	−1.7		
			eS	10 27 40.0	−0.1		
			LE			14.0	1.10
			LZ			18.0	1.40
NJ2	29.6	314	−P	10 23 29.5	−0.4		
			LZ			20.0	1.22
GZH	30.3	294	−P	10 23 36.0	−0.8		
			S	10 28 25.0	−1.1		
WHN	32.1	308	−P	10 23 52.5	0.2		
			PMZ	m_b = 5.9		1.6	0.38
			PMZ	m_B = 6.0		4.0	1.09
			pP	10 24 16.5	−2.1		
			sP	10 24 28.0	−5.2		
			S	10 28 58.0	4.0		
			LN			14.0	1.55
			LE			14.0	0.65
			LZ			20.0	1.25
DL2	32.3	327	P	10 23 54.6	0.2		
			PMZ	m_b = 6.4		1.5	0.94
			PMZ	m_B = 6.1		4.0	1.44
			eS	10 29 00.0	1.5		
			LN			14.0	0.90
			LZ			20.0	1.21
QZN	32.8	285	eP	10 23 59.0	0.2		
			sP	10 24 35.0	−4.7		
			S	10 29 09.0	3.4		
TIA	33.2	319	eP	10 24 01.2	−0.3		
			eS	10 29 11.0	−0.3		
			LN			15.0	0.91
			LE			12.0	0.60
SNY	33.6	333	−P	10 24 04.8	−0.7		
			PMZ	m_B = 6.0		5.0	1.21
			PP	10 25 22.0	0.8		
			eS	10 29 20.0	1.4		
			LZ			19.0	1.07
MDJ	33.8	342	eP	10 24 06.8	0.0		
			sP	10 24 42.0	−5.7		
			S	10 29 20.0	0.1		
			SME	m_B = 5.3		10.0	0.91
CN2	34.5	337	−iP	10 24 13.0	0.2		
			PMZ	m_B = 5.7		5.5	0.80
			eS	10 29 33.0	1.3		
			ScP	10 30 22.0	4.5		
BJI	36.2	323	−iP	10 24 27.0	0.0		
			PMZ	m_B = 6.0		4.0	1.20
			PP	10 25 50.0	−1.2		
			eS	10 29 56.0	−1.5		
			ScS	10 34 31.5	3.2		
			LN			18.0	1.76
			LZ			20.0	1.70
GYA	37.0	297	−P	10 24 36.0	1.5		
			pP	10 25 00.8	−0.5		
			sP	10 25 11.8	−3.8		
			PP	10 26 04.0	1.7		
			PcP	10 26 53.5	1.0		
			S	10 30 12.0	2.1		
			ScS	10 34 38.0	4.8		
			LN			14.0	0.70
			LE			14.0	0.50
TIY	37.1	317	−iP	10 24 35.5	0.6		
			PMZ	m_b = 5.8		1.0	0.18

			PMZ		$m_B = 6.1$		4.0	1.48
			S	10	30 14.0	3.3		
			LN				13.0	0.83
			LZ				20.0	1.13
XAN	37.8	310	−iP	10	24 40.2	−0.3		
			PMZ		$m_B = 5.9$		5.0	1.06
			S	10	30 23.0	2.0		
			LN				10.0	0.66
HHC	39.4	321	−iP	10	24 55.0	0.6		
			PP	10	26 35.5	5.5		
			S	10	30 51.5	5.5		
			SMN		$m_B = 5.7$		5.0	0.51
			SME				7.0	0.69
KMI	40.2	294	−iP	10	25 02.5	1.5		
			PMZ				3.0	1.10
			pP	10	25 27.0	−0.9		
			sP	10	25 37.0	−5.3		
			PP	10	26 43.0	4.6		
			iS	10	31 02.0	2.8		
			LN				15.0	1.20
			LZ				21.0	1.60
BTO	40.2	320	−iP	10	25 02.0	0.8		
			pP	10	25 25.0	−3.1		
			sP	10	25 37.5	−5.0		
			S	10	31 02.0	3.8		
			LN				13.0	0.40
			LE				13.0	0.70
CD2	40.7	303	−iP	10	25 04.9	0.1		
			S	10	31 04.0	−0.9		
LZH	42.4	310	−iP	10	25 20.0	1.1		
			PMZ		$m_b = 6.3$		1.5	0.70
			PMZ		$m_B = 6.1$		4.0	1.29
			pP	10	25 45.0	−0.9		
			PP	10	26 58.5	−2.4		
			eS	10	31 32.0	0.7		
			LN				10.0	0.20
			LE				10.0	0.20
			LZ				20.0	1.20
GTA	46.6	313	−iP	10	25 52.8	0.2		
			PMZ		$m_b = 5.8$		0.8	0.10
			pP	10	26 20.0	0.0		
			PcP	10	27 24.6	0.4		
			ScP	10	31 06.2	1.4		
			ScS	10	35 33.8	2.5		
			LZ				24.0	0.45
WMQ	56.6	314	−iP	10	27 07.5	0.0		
			PMZ		$m_b = 5.8$		1.5	0.22
			pP	10	27 32.5	−3.3		
			sP	10	27 46.5	−3.2		
			PcP	10	28 01.2	−0.2		
			ScP	10	31 49.4	1.6		
			S	10	34 51.5	4.2		
			SMN		$m_B = 5.4$		5.0	0.36
			sS	10	35 39.0	0.8		
			ScS	10	36 44.0	4.0		
			LN				13.0	0.57
			LZ				22.0	1.01
KSH	64.6	308	−iP	10	28 02.0	0.3		
			PMZ		$m_B = 6.1$		4.0	1.10
			pP	10	28 28.0	−2.7		
			PcP	10	28 34.0	0.5		
			PP	10	30 24.0	−2.2		
			S	10	36 32.0	2.9		

JUN 14d 18h 06m 36.6 ± 0.12s, SD1.14 / 85
34.20 N ± 1.60km, 26.03 E ± 1.39km, h13 ± 0.21km
Eastern Mediterranean Sea (371)
M_S5.0 / 10, m_B5.4 / 1, m_b5.2 / 5,

KSH	39.9	67	eP	18	14 13.5	1.1		
			epP	18	14 19.0	0.9		
			eS	18	20 18.0	1.1		
			LN		$M_S = 5.0$		18.0	1.30
WMQ	47.9	59	P	18	15 17.0	−0.1		
			PMZ		$m_b = 5.2$		1.5	0.050
			PcP	18	16 47.0	1.9		
			PP	18	17 06.2	−1.2		
			S	18	22 12.0	−0.1		
			SMN		$m_B = 5.4$		12.0	0.58
			ScS	18	25 08.0	1.4		
			LE		$M_S = 5.1$		14.0	0.81
			LZ		$M_S = 5.0$		18.0	1.36
LSA	54.6	76	P	18	16 05.5	−2.8		
GTA	57.8	62	eP	18	16 29.8	−1.0		
			LZ		$M_S = 4.7$		18.0	0.59
LZH	62.0	64	eP	18	17 00.0	0.3		
			PMZ		$m_b = 5.2$		2.0	0.066
			LZ		$M_S = 4.8$		23.0	0.80
CD2	64.1	69	P	18	17 14.2	0.9		
BTO	64.6	57	P	18	17 17.0	0.0		
			sP	18	17 24.5	−1.1		
			ePP	18	19 41.0	1.0		
			S	18	25 55.0	1.2		
			LN		$M_S = 5.2$		16.0	0.50
			LE				16.0	0.50
HHC	65.6	56	eP	18	17 23.0	−0.2		
KMI	65.9	75	−P	18	17 25.0	−0.1		
			S	18	26 07.0	−2.2		
			LZ		$M_S = 4.8$		20.0	0.60
XAN	66.6	64	P	18	17 29.0	−0.8		
TIY	67.5	59	eP	18	17 36.6	0.9		
			S	18	26 29.0	−0.5		
			LN		$M_S = 5.1$		16.0	0.54
			LZ		$M_S = 4.9$		24.0	0.82
GYA	68.4	72	−P	18	17 41.6	0.8		
			S	18	26 36.0	−3.2		
BJI	69.1	55	eP	18	17 45.0	−0.2		
			eS	18	26 44.0	−5.3		
			LZ		$M_S = 4.8$		22.0	0.63
TIA	71.6	58	eP	18	18 00.5	0.2		
WHN	72.3	65	eP	18	18 06.0	1.3		
SNY	73.1	51	+P	18	18 10.4	0.9		
			sP	18	18 17.4	−0.9		
			S	18	27 30.0	−4.6		
			LZ		$M_S = 5.0$		22.0	1.00
CN2	73.3	48	eP	18	18 10.0	−0.5		
			sP	18	18 15.0	−4.2		
			eS	18	27 38.0	0.1		
			LN		$M_S = 5.0$		11.0	0.30
			LZ		$M_S = 5.1$		20.0	1.10
DL2	73.3	54	eP	18	18 10.5	−0.2		
QZN	74.6	77	eP	18	18 19.7	1.6		
NJ2	74.9	61	eP	18	18 19.5	−0.3		
			LZ		$M_S = 4.6$		20.0	0.31
SSE	77.1	61	eP	18	18 32.5	0.3		

JUN 14d 21h 44m 34.3 ± 0.06s, SD1.14 / 88
40.27 N ± 1.55km, 144.51 E ± 1.45km, h27 ± 0.53km
Off east coast of Honshu (229)
M_S4.7 / 31, m_B5.7 / 2, m_b5.2 / 10,

MDJ	11.8	296	+P	21	47 25.0	0.4		
			sP	21	47 40.0	4.7		
			S	21	49 30.0	−6.5		
			LN		$M_S = 4.6$		16.0	1.60
			LE				16.0	3.20
CN2	14.6	290	eP	21	48 02.5	1.4		
			sP	21	48 09.0	−2.9		

			eS	21	50	44.0	1.0		
			LE			$M_S=4.1$		13.0	0.60
			LZ			$M_S=4.1$		20.0	1.10
SNY	15.9	282	−P	21	48	18.0	0.4		
			sP	21	48	30.0	1.5		
			S	21	51	16.0	3.8		
			LZ			$M_S=4.5$		15.0	1.82
DL2	17.7	273	P	21	48	41.0	0.5		
			sP	21	48	54.0	2.4		
			S	21	51	58.0	4.0		
			LN			$M_S=4.5$		12.0	1.02
			LZ			$M_S=4.0$		30.0	1.18
SSE	21.0	251	+P	21	49	18.5	0.3		
			PMZ			$m_b=4.9$		1.2	0.067
			esP	21	49	32.0	2.2		
			sS	21	53	20.0	1.8		
			LN			$M_S=4.6$		14.0	0.67
			LE					16.0	0.94
			LZ			$M_S=4.2$		20.0	0.96
BJI	21.6	279	eP	21	49	23.5	−1.1		
			eS	21	53	20.0	2.2		
			LN			$M_S=4.6$		14.0	1.08
			LZ			$M_S=4.4$		16.0	1.17
TIA	21.8	268	eP	21	49	26.9	0.0		
			S	21	53	24.5	3.2		
			sS	21	53	35.0	0.3		
			LE			$M_S=4.9$		15.0	2.21
			LZ			$M_S=4.8$		16.0	2.75
NJ2	22.2	256	−P	21	49	29.5	−1.1		
			eS	21	53	34.0	5.1		
			LN			$M_S=4.7$		15.0	0.81
			LE					14.0	1.14
			LZ			$M_S=4.3$		21.0	1.24
HHC	25.0	282	eP	21	49	58.2	0.8		
			LZ			$M_S=4.5$		22.0	1.67
TIY	25.0	275	eP	21	49	59.0	1.3		
			LN			$M_S=4.5$		15.0	0.69
			LZ			$M_S=4.4$		25.0	1.39
BTO	26.2	282	P	21	50	10.0	1.3		
			sP	21	50	21.5	1.3		
			S	21	54	39.0	3.1		
			SS	21	55	50.0	6.1		
			LN			$M_S=4.7$		15.0	0.80
			LE					15.0	0.80
WHN	26.3	258	P	21	50	10.0	0.0		
			PMZ			$m_b=5.3$		1.0	0.070
			pP	21	50	18.0	0.0		
			S	21	54	42.0	3.5		
			LN			$M_S=5.1$		16.0	1.98
			LE					16.0	2.38
			LZ			$M_S=4.4$		24.0	1.37
QZH	26.5	243	eP	21	50	13.0	1.1		
			LN			$M_S=4.8$		14.0	0.80
			LE					16.0	1.10
XAN	28.9	269	P	21	50	31.0	−2.5		
LZH	32.0	276	eP	21	51	02.0	0.5		
			PMZ			$m_b=5.7$		1.5	0.18
			eS	21	56	08.0	−2.9		
			LN			$M_S=4.7$		14.0	0.60
			LE					13.0	0.30
			LZ			$M_S=4.5$		20.0	1.00
GTA	34.1	283	−iP	21	51	19.8	0.9		
			PcP	21	53	56.4	0.7		
			S	21	56	38.0	−3.1		
			LE			$M_S=4.8$		14.0	0.88
			LZ			$M_S=4.6$		18.0	1.12
CD2	34.2	267	P	21	51	19.6	−0.3		
GYA	34.2	258	−P	21	51	20.0	−0.2		
			S	21	56	45.0	1.5		
			LN			$M_S=5.2$		15.0	1.30
			LE					15.0	1.50
			LZ			$M_S=4.9$		10.0	1.10
KMI	37.9	259	−P	21	51	52.0	0.4		
			PP	21	53	20.0	−0.7		
			S	21	57	45.0	4.9		
			LN			$M_S=5.2$		17.0	1.90
			LZ			$M_S=5.2$		16.0	2.90
WMQ	41.6	294	P	21	52	23.5	1.1		
			PMZ			$m_b=5.1$		1.0	0.030
			pP	21	52	34.5	3.9		
			PcP	21	54	20.0	1.0		
			eS	21	58	38.0	0.7		
			LE			$M_S=4.7$		12.0	0.39
			LZ			$M_S=4.6$		20.0	0.83
LSA	44.4	274	−P	21	52	45.0	−0.2		

JUN 14d 22h 37m 10.1 ± 0.07s, SD0.85 / 60
14.10 S ± 1.89km, 65.98 E ± 1.56km, h11 ± 0.16km
Mid-Indian Rise **(429)**
m_b5.2 / 4,

KMI	53.0	43	−P	22	46	30.0	0.3		
KSH	54.1	9	eP	22	46	38.0	−0.3		
			eS	22	54	14.0	0.1		
GYA	56.5	45	P	22	46	55.8	0.5		
CD2	57.6	39	P	22	47	02.5	−0.9		
WMQ	61.0	18	+P	22	47	26.0	−0.4		
			PMZ			$m_b=5.2$		1.5	0.050
			eS	22	55	38.0	−5.4		
			LZ			$M_S=4.6$		16.0	0.40
LZH	61.4	34	P	22	47	30.0	0.4		
			PMZ			$m_b=5.2$		2.5	0.079
GTA	61.9	29	+P	22	47	32.2	−0.6		
			PMZ			$m_b=5.0$		1.0	0.018
XAN	62.9	39	P	22	47	41.5	1.8		
WHN	64.3	46	eP	22	47	49.0	0.4		
TIY	67.5	38	eP	22	48	08.8	−0.4		
			S	22	57	10.0	7.0		
			LZ			$M_S=4.7$		20.0	0.50
BTO	68.0	35	P	22	48	12.5	−0.1		
NJ2	68.3	47	−P	22	48	14.5	0.3		
HHC	69.1	35	eP	22	48	19.3	0.3		
TIA	69.5	42	eP	22	48	21.5	−0.2		
BJI	71.2	39	eP	22	48	32.0	−0.1		
SNY	76.8	40	+P	22	49	04.0	−0.7		
CN2	79.1	39	P	22	49	16.0	−0.9		
MDJ	82.0	40	eP	22	49	32.5	−0.3		

JUN 15d 03h 00m 10.0 ± 0.13s, SD1.21 / 17
21.89 S ± 2.84km, 174.17 W ± 1.38km, h36 ± 1.29km
Tonga region **(174)**

CN2	85.6	321	−iP	03	12	46.5	−0.3		
			pP	03	12	54.4	−2.6		
BJI	89.4	314	eP	03	13	04.5	−0.7		
XAN	91.8	306	+P	03	13	16.7	0.2		
KMI	93.2	296	−P	03	13	24.5	1.6		

JUN 15d 12h 11m 53.4 ± 0.05s, SD0.66 / 34
51.65 N ± 1.73km, 174.23 W ± 0.73km, h33 ± 0.20km
Andreanof Islands **(7)**

CN2	40.3	283	+P	12	19	29.4	−0.1		
SNY	42.5	282	eP	12	19	48.6	0.6		
BJI	48.1	285	eP	12	20	32.0	−0.3		
TIY	51.8	285	eP	12	21	02.0	1.1		
			LZ			$M_S=4.5$		20.0	0.50
WMQ	61.6	305	P	12	22	09.8	−0.6		
CD2	61.7	285	P	12	22	11.2	0.0		

GYA	63.1	279	P	12 22 21.8	0.9	

JUN 15d 15h 51m 59.0 ± 0.26s, SD2.13 / 65
6.80 N ± 0.82km, 72.99 W ± 3.41km, h161 ± 2.20km
Northern Colombia (99)

WMQ	126.7	17	PKP	16 10 45.0	0.5		
CN2	126.9	343	+PKP	16 10 44.6	−0.3		
SNY	129.3	344	+PKP	16 10 51.3	1.8		
HHC	132.4	355	ePKP	16 10 52.0	−3.6		
BJI	132.6	350	ePKP	16 10 56.5	0.6		
BTO	132.8	357	ePKP	16 10 57.0	0.7		
GTA	133.5	8	PKP	16 10 59.0	1.3		
TIY	135.4	354	ePKP	16 11 02.0	0.8		
TIA	136.2	348	ePKP	16 10 57.4	−5.0		
LZH	137.2	4	ePKP	16 11 06.5	2.0		
NJ2	139.7	344	ePKP	16 11 10.5	1.5		
SSE	139.9	341	ePKP	16 11 09.5	0.2		
WHN	142.2	350	ePKP	16 11 08.5	−4.8		
CD2	142.4	5	PKP	16 11 15.0	1.4		
GYA	146.9	1	+PKP	16 11 23.0	1.5		
			pPKP	16 11 59.4	−3.3		
			PP	16 14 50.0	−1.7		
KMI	148.0	7	ePKP	16 11 25.0	1.6		

JUN 15d 21h 15m 26.9 ± 0.09s, SD2.42 / 65
34.83 N ± 1.12km, 101.52 E ± 1.01km, h18 ± 0.02km
Qinghai Province (325)
M_S4.4 / 23, M_L4.6 / 7, m_b4.7 / 2,

LZH	2.3	56	Pn	21 16 09.0	4.7		
			Pg	21 16 11.0	3.9		
			Sg	21 16 43.0	4.7		
			SMN			5.0	15.7
			SME			4.0	12.4
CD2	4.3	154	Pn	21 16 37.4	4.9		
			Pg	21 16 50.0	6.5		
			SMN	M_L = 4.4		1.2	0.60
			SME			1.2	0.58
			LN	M_S = 4.3		7.0	3.45
GTA	4.8	344	Pn	21 16 43.0	4.3		
			Pg	21 16 54.8	3.6		
			Sg	21 17 56.6	0.0		
			LE	M_S = 4.3		5.0	2.47
			LZ	M_S = 4.2		9.0	2.21
XAN	6.2	95	Pn	21 16 59.4	1.7		
			Pg	21 17 19.5	3.8		
			Sg	21 18 46.5	6.5		
			SMN	M_L = 4.6		1.0	0.39
			SME			1.0	0.37
			LN	M_S = 4.4		10.0	3.30
			LE			8.0	1.24
BTO	8.9	47	eP	21 17 38.0	0.6		
			eS	21 19 20.0	2.2		
			LN	M_S = 4.3		14.0	1.70
			LE			11.0	1.10
TIY	9.3	69	eP	21 17 41.0	−2.1		
			LE	M_S = 4.5		6.0	1.52
			LZ	M_S = 4.2		12.0	1.45
GYA	9.4	151	P	21 17 47.8	2.3		
			SMN			1.6	0.11
			SME			1.6	0.16
			LN	M_S = 4.4		8.0	1.10
			LE			8.0	0.90
KMI	9.7	173	+P	21 17 46.0	−3.6		
			eS	21 19 42.0	2.2		
			LE	M_S = 4.2		12.0	1.30
HHC	10.0	50	+P	21 17 51.3	−1.3		
			LN	M_S = 4.4		8.0	1.11
			LE			8.0	0.96
LSA	10.2	243	P	21 17 55.2	−0.6		
WHN	11.6	108	eP	21 18 14.5	−0.7		
			pP	21 18 18.0	−2.6		
			eS	21 20 22.5	−3.1		
			LN	M_S = 4.7		8.0	1.69
			LE			8.0	1.18
BJI	12.7	62	eP	21 18 30.0	−0.5		
			LN	M_S = 4.6		9.0	1.09
			LE			8.0	0.89
			LZ	M_S = 4.3		16.0	1.76
WMQ	13.9	314	P	21 18 44.5	−1.9		
			S	21 21 16.0	−5.3		
			LE	M_S = 4.5		9.0	1.04
			LZ	M_S = 4.4		12.0	1.36
NJ2	14.7	96	eP	21 18 55.0	−1.6		
			LZ	M_S = 4.2		10.0	0.77
CN2	20.5	57	eP	21 20 07.4	0.2		
			eS	21 23 52.0	0.8		
			LN	M_S = 4.5		9.0	0.60
			LZ	M_S = 4.4		12.0	0.90

JUN 16d 01h 31m 48.0 ± 0.06s, SD3.46 / 11
33.66 N ± 0.67km, 122.12 E ± 0.68km, h30 ± 0.97km
Yellow Sea (665)
M_L3.4 / 11,

SSE	2.7	197	Pn	01 32 31.6	2.0		
			Pg	01 32 39.0	3.5		
			Sn	01 33 04.8	2.2		
			Sg	01 33 15.0	2.7		
			SMN	M_L = 3.3		0.5	0.11
			SME			0.5	0.18
NJ2	3.2	241	+Pg	01 32 46.0	1.5		
			Sg	01 33 31.0	2.8		
			SMN	M_L = 3.5		0.5	0.17
			SME			0.5	0.15
TIA	4.8	303	ePn	01 33 02.2	3.0		
			Pg	01 33 14.4	1.0		
			SMN	M_L = 3.4		0.8	0.081
			SME			1.0	0.030

JUN 16d 02h 12m 52.9 ± 0.11s, SD1.18 / 54
10.36 S ± 1.82km, 119.55 E ± 1.88km, h32 ± 0.21km
Sumba region (287)
m_b5.2 / 2,

GYA	38.7	341	P	02 20 17.0	1.1
KMI	38.9	335	eP	02 20 21.5	3.8
			pP	02 20 29.0	2.3
WHN	41.0	353	eP	02 20 36.0	1.2
NJ2	42.2	359	eP	02 20 46.5	1.8
CD2	43.7	340	eP	02 20 57.6	0.1
XAN	45.3	348	P	02 21 09.8	−0.2
TIY	48.3	352	eP	02 21 33.0	−0.5
			eS	02 28 27.0	−3.6
LSA	48.3	326	P	02 21 35.4	1.2
BJI	50.2	357	eP	02 21 48.0	−0.5
			PcP	02 23 09.0	2.2
BTO	51.5	351	eP	02 21 57.0	−0.9
SNY	52.1	4	P	02 22 00.8	−1.4
GTA	52.8	341	P	02 22 08.2	0.2
WMQ	61.2	334	P	02 23 07.0	−0.6

JUN 16d 04h 19m 43.5 ± 0.08s, SD0.85 / 44
52.46 N ± 2.24km, 159.54 E ± 1.95km, h32 ± 0.47km
Off east coast of Kamchatka (219)

CN2	24.2	263	−P	04 24 57.5	−0.5
NJ2	35.7	251	−P	04 26 40.0	−1.6
WHN	39.5	254	eP	04 27 12.2	−0.7
LZH	42.0	270	eP	04 27 34.0	0.0

GTA	42.3	277	eP	04 27 34.4	−2.4			
WMQ	46.9	290	P	04 28 13.5	0.5			
			eS	04 35 06.0	4.9			
			LZ	M_S=4.6		16.0	0.60	
GYA	47.0	258	P	04 28 14.2	−0.2			

JUN 16d 07h 18m 35.2±0.07s, SD1.04/99
13.35 N±1.30km, 145.26 E±1.71km, h72±0.68km
South of the Marianas (210)
M_S4.9/12, m_B5.5/1, m_b5.1/8,

QZH	27.6	299	eP	07 24 16.0	−2.5			
SSE	28.3	312	−P	07 24 23.2	−1.4			
			PMZ	m_b=4.8		1.0	0.020	
			PP	07 25 15.0	−2.8			
			PcP	07 27 37.0	1.5			
			LE	M_S=4.4		14.0	0.40	
			LZ	M_S=4.5		20.0	1.10	
NJ2	30.5	312	+P	07 24 44.4	0.3			
			PcP	07 27 43.2	2.1			
			eS	07 29 35.0	−4.4			
			LZ	M_S=4.4		24.0	1.04	
DL2	32.9	325	P	07 25 06.0	0.7			
			PMZ	m_b=5.6		1.0	0.10	
WHN	33.2	306	−P	07 25 08.0	0.2			
MDJ	33.9	340	eP	07 25 11.7	−2.0			
			LE	M_S=4.9		21.0	1.59	
TIA	34.0	317	eP	07 25 13.9	−0.5			
SNY	34.1	330	+P	07 25 14.0	−1.0			
			epP	07 25 30.0	−2.0			
			PP	07 26 30.0	−0.4			
			eS	07 30 33.0	−1.7			
			LZ	M_S=4.7		20.0	1.57	
QZN	34.4	284	eP	07 25 19.5	1.3			
			eS	07 30 39.0	−1.5			
			LE	M_S=5.0		20.0	1.80	
CN2	34.8	335	eP	07 25 21.0	−0.2			
			pP	07 25 36.0	−2.3			
			PcP	07 27 53.6	0.8			
			eS	07 30 48.0	2.1			
BJI	36.9	322	+P	07 25 39.0	0.2			
			iPcP	07 28 00.5	1.5			
			eS	07 31 20.0	2.2			
			ScP	07 31 41.5	3.5			
			LZ	M_S=4.6		29.0	1.45	
TIY	38.0	316	eP	07 25 47.8	−0.2			
			sP	07 26 13.0	−1.1			
			PP	07 27 20.0	1.9			
			S	07 31 34.5	1.0			
			LE	M_S=5.0		15.0	1.03	
			LZ	M_S=5.0		20.0	2.25	
GYA	38.4	296	+P	07 25 53.0	1.2			
XAN	38.8	308	P	07 25 54.7	−0.6			
HHC	40.2	319	−P	07 26 07.6	1.0			
			PMZ	m_B=5.5		4.0	0.29	
			pP	07 26 19.0	−4.8			
			PcP	07 28 10.0	0.6			
			eS	07 32 15.0	6.6			
			LE	M_S=4.5		16.0	0.38	
			LZ	M_S=4.7		30.0	1.74	
BTO	41.1	318	P	07 26 14.0	0.3			
			pP	07 26 29.0	−1.9			
			ePP	07 27 53.0	1.2			
			eS	07 32 21.0	−0.2			
			LN	M_S=5.1		18.0	1.30	
			LE			20.0	1.10	
KMI	41.7	293	+P	07 26 19.5	0.8			
CD2	41.9	302	eP	07 26 20.7	−0.2			
LZH	43.5	309	eP	07 26 33.5	0.0			
			PMZ	m_b=5.3		2.5	0.12	
			PcP	07 28 21.5	1.8			
			LZ	M_S=4.7		25.0	1.10	
GTA	47.6	312	+iP	07 27 06.4	0.0			
			PcP	07 28 36.4	1.7			
			S	07 33 58.2	3.6			
			LZ	M_S=4.5		20.0	0.54	
LSA	52.4	297	P	07 27 44.0	0.4			
WMQ	57.6	314	P	07 28 20.0	−0.4			
			PMZ	m_b=5.0		1.7	0.030	
			pP	07 28 36.0	−2.3			
			sP	07 28 47.7	0.8			
			PcP	07 29 13.0	1.0			
			S	07 36 16.0	6.0			
			LZ	M_S=4.9		28.0	1.23	
KSH	65.7	307	eP	07 29 17.0	1.8			
			epP	07 29 32.0	−1.5			
			eS	07 37 58.0	3.2			

JUN 16d 09h 25m 27.3±0.07s, SD3.46/7
44.92 N±0.78km, 94.08 E±0.84km, h26±0.71km
Northern Xinjiang Province (332)
M_L3.5/7,

WMQ	4.7	259	Pn	09 26 39.2	2.0			
			Sg	09 27 53.6	−1.1			
			SMN	M_L=3.8		0.8	0.12	
			SME			0.8	0.16	
GTA	7.0	140	Pn	09 27 09.6	1.3			
			Pg	09 27 33.8	3.6			
			Sg	09 29 01.8	−3.6			
			SMN	M_L=3.5		0.8	0.025	
			SME			0.7	0.021	

JUN 16d 10h 51m 18.3±0.08s, SD0.84/101
57.89 N±1.13km, 154.37 W±0.81km, h58±0.76km
Kodiak Island region (13)
M_S5.5/31, m_B6.0/16, m_b5.7/24,

MDJ	46.9	288	eP	10 59 44.0	−1.0			
			pP	10 59 56.0	−3.1			
			sP	11 00 02.0	−3.2			
			S	11 06 30.0	0.8			
			ScP	11 05 06.0	2.5			
			LZ	M_S=5.0		24.0	1.87	
CN2	49.5	290	+P	11 00 05.0	−0.8			
			PMZ			3.0	0.50	
			pP	11 00 19.0	−0.8			
			sP	11 00 24.5	−1.4			
			LN	M_S=5.2		8.0	0.60	
			LZ	M_S=5.1		22.0	2.30	
SNY	51.9	290	+iP	11 00 24.0	0.2			
			pP	11 00 38.3	0.3			
			S	11 07 40.0	0.4			
			LZ	M_S=5.1		24.0	2.00	
DL2	55.1	289	P	11 00 46.0	−1.3			
			PMZ	m_b=5.5		2.0	0.11	
BJI	56.9	294	+P	11 01 00.0	−0.5			
			PMZ	m_B=5.8		4.0	0.49	
			epP	11 01 13.0	−1.9			
			eS	11 08 49.0	0.8			
			eScS	11 10 41.0	1.4			
			LE	M_S=5.3		8.0	0.59	
			LZ	M_S=4.8		28.0	1.20	
HHC	58.5	297	+P	11 01 12.3	0.4			
			PMZ			3.0	1.02	
			pP	11 01 27.0	0.9			
			sP	11 01 32.0	−0.2			
			S	11 09 13.0	5.0			
			LN	M_S=5.4		12.0	0.81	

			LE				12.0	0.57
			LZ		$M_S=5.2$		22.0	2.00
TIA	59.4	290	P	11 01	17.2	−0.8		
BTO	59.5	298	+iP	11 01	18.0	−0.3		
			pP	11 01	32.0	−0.5		
			S	11 09	22.0	2.0		
			LN		$M_S=5.5$		13.0	1.30
			LE				15.0	0.90
TIY	60.6	295	+iP	11 01	25.8	−0.1		
			PMZ		$m_b=5.5$		0.8	0.050
			pP	11 01	40.0	−0.2		
			S	11 09	39.5	5.2		
			ScS	11 11	11.1	4.8		
			LN		$M_S=5.5$		16.0	1.76
			LZ		$M_S=5.6$		16.0	3.22
SSE	61.4	283	+iP	11 01	30.2	−1.1		
			PMZ		$m_b=5.9$		1.5	0.21
			PMZ		$m_B=6.2$		4.0	1.10
			sP	11 01	52.0	0.2		
			S	11 09	50.0	5.2		
			LE		$M_S=5.3$		16.0	1.00
			LZ		$M_S=4.9$		20.0	0.90
NJ2	61.8	286	+iP	11 01	33.6	−0.7		
			PMZ		$m_b=6.1$		0.8	0.20
			PMZ		$m_B=6.2$		4.0	1.10
			pP	11 01	49.0	0.2		
			sP	11 01	57.0	2.1		
			S	11 09	53.0	2.6		
			LN		$M_S=5.5$		15.0	1.20
			LE				15.0	0.80
			LZ		$M_S=5.2$		18.0	1.50
GTA	65.1	305	+iP	11 01	55.0	−0.7		
			PMZ		$m_b=5.7$		1.2	0.13
			pP	11 02	09.5	−0.6		
			sP	11 02	17.0	0.8		
			S	11 10	32.0	1.6		
			ScS	11 11	45.0	4.9		
			LN		$M_S=5.8$		16.0	2.79
			LZ		$M_S=5.7$		18.0	4.81
XAN	65.2	295	+iP	11 01	56.0	−0.6		
			S	11 10	37.0	4.6		
			LN		$M_S=5.7$		18.0	2.28
			LE				14.0	0.83
WHN	65.3	288	+iP	11 01	57.0	−0.3		
			PMZ		$m_b=6.0$		0.8	0.15
			pP	11 02	10.0	−2.0		
			S	11 10	39.0	5.1		
			LN		$M_S=5.7$		20.0	1.89
			LE				20.0	2.59
LZH	66.0	300	−P	11 02	01.0	−0.5		
			PMZ		$m_b=6.1$		1.5	0.40
			PMZ		$m_B=6.0$		4.0	0.81
			pP	11 02	15.0	−0.9		
			PcP	11 02	30.0	−0.4		
			eS	11 10	42.0	−1.1		
			SMN		$m_B=5.5$		8.0	0.44
			ScS	11 11	50.0	2.9		
			LZ		$M_S=5.5$		20.0	2.90
WMQ	66.3	316	+iP	11 02	03.4	−0.1		
			PMZ		$m_b=5.6$		1.5	0.12
			PP	11 04	27.4	−3.4		
			iS	11 10	51.0	4.1		
			SME		$m_B=5.8$		5.0	0.55
			LN		$M_S=5.4$		8.0	0.66
			LZ		$M_S=5.5$		20.0	2.78
CD2	70.3	297	+iP	11 02	28.4	0.2		
			pP	11 02	43.7	1.0		
			eS	11 11	34.6	0.3		
			SMN		$m_B=6.0$		8.0	1.31
			LZ		$M_S=5.1$		19.0	1.01
GZH	71.9	285	+P	11 02	38.7	0.5		
			S	11 11	58.0	5.8		
GYA	72.5	292	+P	11 02	42.2	0.3		
			pP	11 02	57.0	0.6		
			sP	11 03	04.0	1.5		
			S	11 12	03.0	4.0		
			SMN		$m_B=6.1$		5.0	1.10
			ScS	11 12	43.0	4.3		
			LN		$M_S=5.5$		18.0	0.80
			LE				18.0	1.20
			LZ		$M_S=4.9$		28.0	1.00
KSH	74.2	322	P	11 02	53.0	1.2		
			pP	11 03	08.0	1.7		
			LN		$M_S=5.8$		15.0	2.60
			LZ		$M_S=5.7$		18.0	3.70
KMI	75.6	294	+P	11 02	59.5	−0.2		
			PMZ				3.0	0.50
			PcP	11 03	09.0	−2.2		
			S	11 12	37.0	4.0		
			SMN		$m_B=6.0$		6.0	0.80
			SME				8.0	0.50
QZN	77.1	285	P	11 03	09.4	1.3		
			PP	11 06	06.0	3.7		
			S	11 12	55.5	5.8		

JUN 16d 20h 12m 27.6±0.11s, SD1.55/96
20.64 N±1.53km, 102.50 E±1.06km, h10±0.18km
Indo-Pacific Peninsula (299)
M_S6.1/49, m_B5.5/19, m_b5.3/9,

KMI	4.5	3	−Pn	20 13	38.0	2.0		
			Pg	20 13	50.0	3.6		
			Sn	20 14	25.0	−4.8		
			LN		$M_S=6.3$		8.0	390
GYA	6.9	33	Pn	20 14	10.8	1.0		
			Sn	20 15	35.0	4.0		
			LN		$M_S=6.0$		6.0	60.4
			LE				6.0	54.1
			LZ		$M_S=5.5$		10.0	31.0
QZN	7.1	102	ePn	20 14	12.0	0.1		
			Sn	20 15	31.4	−3.6		
			LE		$M_S=5.9$		7.0	62.7
CD2	10.3	6	eP	20 14	58.0	−0.7		
			S	20 16	53.6	−1.1		
			LE		$M_S=6.2$		7.0	69.0
			LZ		$M_S=6.3$		8.0	106
GZH	10.4	74	−P	20 14	56.2	−3.4		
			LN		$M_S=6.2$		8.0	83.6
			LE				8.0	17.3
			LZ		$M_S=5.5$		15.0	34.7
LSA	13.7	314	+P	20 15	45.0	0.3		
			LN		$M_S=5.6$		8.0	13.9
XAN	14.5	22	P	20 15	52.5	−2.8		
			S	20 18	30.0	−6.6		
			LN		$M_S=6.2$		8.0	36.6
			LE				12.0	44.3
WHN	14.5	45	eP	20 15	55.0	−0.5		
			PMZ		$m_b=5.3$		1.0	0.060
			pP	20 15	59.0	−1.0		
			S	20 18	37.5	0.3		
			LE		$M_S=5.8$		12.0	25.6
			LZ		$M_S=5.2$		14.0	10.6
LZH	15.4	4	−P	20 16	08.0	0.5		
			PMZ		$m_b=5.3$		2.0	0.28
			PMZ		$m_B=5.5$		4.0	0.97
			pP	20 16	14.0	2.2		
			eS	20 18	56.0	−3.4		

			eSS	20 19 16.0	−0.2			
			SMN	$m_B = 5.7$		8.0	4.01	
			LE	$M_S = 6.4$		11.0	90.3	
			LZ	$M_S = 5.8$		12.0	35.8	
QZH	15.4	71	eP	20 16 10.0	2.6			
			SMN	$m_B = 5.5$		10.3	3.60	
NJ2	18.5	49	−P	20 16 51.0	4.7			
			PMZ	$m_B = 5.5$		7.0	1.70	
			S	20 20 10.0	0.6			
			LN	$M_S = 6.1$		10.0	25.5	
			LE			9.0	21.3	
			LZ	$M_S = 5.8$		10.0	20.9	
GTA	18.8	354	−iP	20 16 50.4	−0.1			
			PMZ	$m_B = 5.9$		4.5	2.54	
			pP	20 16 56.0	1.1			
			sS	20 20 20.1	−4.9			
			LE	$M_S = 6.0$		8.5	19.3	
			LZ	$M_S = 5.7$		8.0	15.0	
TIY	19.1	25	−iP	20 16 53.0	−0.1			
			S	20 20 20.3	−1.5			
			LN	$M_S = 6.3$		10.0	30.9	
			LE			12.0	49.1	
			LZ	$M_S = 5.8$		13.0	28.7	
SSE	19.7	54	+P	20 17 03.0	2.3			
			PMZ	$m_b = 5.0$		1.5	0.10	
			pP	20 17 07.0	1.3			
			S	20 20 44.0	6.9			
			sS	20 20 50.0	5.0			
			LN	$M_S = 5.9$		8.0	11.2	
			LE			8.0	11.1	
			LZ	$M_S = 5.5$		12.0	10.7	
TIA	20.1	36	eP	20 17 02.8	−1.9			
			S	20 20 51.5	6.7			
			SMN	$m_B = 5.8$		10.0	4.44	
			SME			8.0	1.69	
			LN	$M_S = 6.2$		11.0	22.2	
			LE			11.0	26.2	
			LZ	$M_S = 5.5$		15.0	15.8	
BTO	20.9	16	−iP	20 17 12.5	−0.6			
			sP	20 17 19.0	−2.2			
			PP	20 17 37.0	2.3			
			S	20 21 01.0	0.5			
			sS	20 21 12.0	2.5			
			LN	$M_S = 6.1$		9.0	17.2	
			LE			9.0	16.2	
HHC	21.6	19	+P	20 17 21.0	1.1			
			PMZ	$m_B = 5.3$		7.0	1.01	
			pP	20 17 24.0	−1.0			
			LE	$M_S = 6.3$		11.0	42.9	
			LZ	$M_S = 5.8$		15.0	23.6	
BJI	22.6	28	eP	20 17 31.0	1.0			
			PMZ	$m_B = 5.5$		4.0	0.82	
			LN	$M_S = 5.9$		12.0	17.1	
			LZ	$M_S = 5.7$		12.0	16.3	
DL2	24.5	38	eP	20 17 51.0	2.0			
			PMZ	$m_B = 5.6$		8.0	1.66	
			S	20 22 07.0	0.7			
			LN	$M_S = 6.2$		13.0	15.6	
			LE			14.0	30.9	
WMQ	26.2	335	−P	20 18 05.0	0.3			
			PMZ	$m_b = 4.9$		2.0	0.060	
			PP	20 18 49.0	3.2			
			S	20 22 39.5	5.7			
			SMN			17.0	9.35	
			SME			16.0	6.74	
			LN	$M_S = 5.8$		10.0	8.38	
			LZ	$M_S = 5.4$		22.0	12.6	
SNY	27.6	35	eP	20 18 18.6	0.9			
			S	20 22 58.0	0.9			
			LN	$M_S = 6.0$		14.0	12.3	
			LE			14.0	10.4	
			LZ	$M_S = 5.7$		14.0	14.5	
KSH	29.5	315	P	20 18 36.0	0.9			
			LN	$M_S = 6.4$		15.0	40.1	
			LZ	$M_S = 5.9$		14.0	17.5	
CN2	30.0	34	eP	20 18 40.0	1.1			
			sP	20 18 47.0	−0.2			
			eS	20 23 37.0	1.4			
			SMN	$m_B = 5.2$		8.0	0.40	
			LN	$M_S = 5.8$		12.0	8.90	
			LZ	$M_S = 5.7$		14.0	11.2	
MDJ	32.8	37	eP	20 19 01.5	−2.0			
			S	20 24 12.0	−6.6			
			LZ	$M_S = 5.6$		16.0	9.62	

JUN 16d 22h 39m 18.9 ± 0.12s, SD1.31 / 38
47.53 S ± 1.94km, 99.99 E ± 2.54km, h9 ± 0.35km
South−East Indian Ridge (435)
M_S5.7 / 1, m_b5.6 / 2,

KMI	72.3	3	−P	22 50 49.5	1.5			
GYA	73.9	6	P	22 50 58.2	1.3			
CD2	78.1	3	eP	22 51 21.2	0.2			
WHN	78.8	13	eP	22 51 25.5	1.1			
SSE	80.5	18	eP	22 51 32.0	−1.9			
			LZ	$M_S = 4.9$		20.0	0.56	
XAN	81.6	7	P	22 51 40.0	0.5			
LZH	83.3	3	P	22 51 48.5	0.0			
			PMZ	$m_b = 5.6$		1.5	0.088	
TIY	85.6	10	eP	22 51 58.7	−1.2			
			LN	$M_S = 5.7$		17.0	1.61	
			LZ	$M_S = 5.4$		23.0	1.86	
GTA	86.6	360	eP	22 52 05.0	0.3			
BTO	88.2	8	eP	22 52 12.4	−0.2			
BJI	88.4	12	eP	22 52 13.0	−0.3			
			eSKS	23 02 40.0	1.2			
			eS	23 02 58.0	0.8			
			LZ	$M_S = 5.2$		24.0	1.04	
KSH	89.3	342	eP	22 52 16.0	−1.8			
WMQ	91.6	351	eP	22 52 29.0	0.5			
			LZ	$M_S = 5.4$		26.0	1.92	

JUN 16d 22h 51m 07.5 ± 0.18s, SD1.83 / 41
47.67 S ± 2.82km, 100.06 E ± 4.07km, h8 ± 0.51km
South−East Indian Ridge (435)
M_S5.8 / 13, m_B5.7 / 1, m_b5.2 / 2,

QZN	67.0	10	eP	23 02 03.0	−0.5			
			S	23 11 00.0	5.4			
			LN	$M_S = 5.8$		21.0	4.24	
KMI	72.5	3	eP	23 02 37.0	−0.7			
GYA	74.0	6	P	23 02 47.0	0.5			
			pP	23 02 56.0	4.5			
			S	23 12 21.0	4.2			
			ScS	23 12 53.0	0.8			
			LN	$M_S = 6.0$		20.0	3.50	
			LE			20.0	2.90	
			LZ	$M_S = 5.3$		22.0	1.80	
CD2	78.3	3	eP	23 03 11.3	0.7			
			eS	23 13 05.4	0.2			
			LN	$M_S = 5.9$		19.0	3.75	
			LZ	$M_S = 5.5$		22.0	2.79	
WHN	78.9	13	eP	23 03 14.4	0.5			
SSE	80.7	18	P	23 03 27.6	4.2			
			eSKS	23 13 33.0	−3.1			
			LN	$M_S = 5.3$		20.0	0.89	
			LZ	$M_S = 4.9$		18.0	0.45	
XAN	81.7	7	eP	23 03 25.8	−3.2			

			S	23 13 42.0	2.5			
			LN	$M_S = 6.0$		19.0	4.03	
LZH	83.4	3	+P	23 03 39.0	1.0			
			PMZ	$m_b = 5.3$		2.5	0.079	
			LN	$M_S = 6.0$		20.0	3.95	
			LZ	$M_S = 5.5$		20.0	2.20	
TIY	85.7	10	eP	23 03 49.4	0.1			
			S	23 14 14.0	−5.4			
			LN	$M_S = 5.8$		18.0	2.27	
GTA	86.7	360	eP	23 03 52.8	−1.4			
			LN	$M_S = 5.8$		19.0	2.36	
			LZ	$M_S = 5.6$		20.0	2.27	
BTO	88.3	8	eP	23 04 02.0	0.0			
			sP	23 04 11.0	1.4			
			ePP	23 07 32.0	1.3			
			eS	23 14 46.0	−0.1			
			LN	$M_S = 6.0$		20.0	3.30	
			LE			20.0	2.40	
BJI	88.5	12	eP	23 04 02.5	−0.2			
			eSKS	23 14 28.0	−0.6			
			eS	23 14 48.0	0.6			
			LZ	$M_S = 5.4$		24.0	1.62	
HHC	88.7	9	eP	23 04 04.0	0.0			
			SKS	23 14 34.0	4.0			
			S	23 14 45.0	−2.8			
			LN	$M_S = 5.6$		18.0	1.20	
			LE			18.0	0.80	
KSH	89.4	342	eP	23 04 08.0	0.7			
			S	23 14 58.0	3.7			
WMQ	91.7	351	eP	23 04 17.5	−0.5			
			sP	23 04 27.5	1.9			
			SKS	23 14 46.0	−2.0			
			S	23 15 18.0	2.9			
			SMN	$m_B = 5.7$		12.0	0.84	
			LZ	$M_S = 5.6$		24.0	2.69	

JUN 16d 23h 42m 34.4 ± 0.05s, SD0.81 / 116
31.83 N ± 0.89km, 138.04 E ± 0.94km, h359 ± 0.30km
South of Honshu (211)
m_B6.3 / 51, m_b6.0 / 18,

MDJ	14.4	335	−iP	23 45 44.0	−0.6			
			sP	23 47 12.0	4.3			
			iS	23 48 16.0	−1.2			
			PMZ	$m_B = 6.8$		6.6	20.2	
			SMN			15.0	22.7	
SSE	14.4	271	−iP	23 45 44.0	−0.9			
			PMZ	$m_b = 6.0$		1.4	0.84	
			PMZ	$m_B = 6.5$		6.0	9.70	
			sP	23 47 10.0	1.8			
			S	23 48 18.2	0.9			
			SMN	$m_B = 5.8$		10.0	10.8	
			SME			10.0	12.8	
			ScP	23 53 32.0	−0.3			
			ScS	23 57 07.5	−1.3			
			LN			9.0	10.8	
			LE			9.0	26.1	
			LZ			13.0	2.29	
DL2	15.1	302	−iP	23 45 53.0	0.4			
			PMZ	$m_B = 6.7$		6.0	20.7	
			sP	23 47 18.0	0.1			
			eS	23 48 32.0	0.0			
			SME			40.0	24.1	
			LN			10.0	58.8	
			LE			8.0	98.4	
SNY	15.3	315	−iP	23 45 54.0	0.0			
			PMZ			14.0	24.3	
			sP	23 47 22.0	2.2			
			S	23 48 38.0	3.8			
			ScS	23 57 10.0	−1.1			
			LN			11.0	44.2	
			LE			11.0	21.3	
CN2	15.5	324	−iP	23 45 57.0	0.2			
			PMZ	$m_B = 6.8$		5.0	20.6	
			sP	23 47 26.0	2.8			
			iS	23 48 39.0	−0.7			
			ScS	23 57 10.0	−1.8			
NJ2	16.3	276	−iP	23 46 04.4	−0.4			
			PMZ	$m_b = 5.5$		1.2	0.30	
			PMZ	$m_B = 6.5$		6.0	12.2	
			S	23 48 50.0	−3.7			
			ScP	23 53 35.5	−0.2			
			ScS	23 57 14.0	0.1			
TIA	17.9	290	−P	23 46 21.1	0.1			
			sP	23 47 59.0	4.9			
			S	23 49 24.2	0.7			
			SMN	$m_B = 6.1$		9.0	10.7	
			SME			10.0	16.7	
			LN			10.0	14.4	
			LE			10.0	13.1	
			LZ			15.0	16.9	
QZH	18.4	253	−iP	23 46 26.0	−0.5			
			sP	23 48 02.0	0.9			
			iS	23 49 37.0	2.7			
BJI	19.5	301	−P	23 46 37.0	0.1			
			PMZ			14.0	15.9	
			sP	23 48 12.0	−2.3			
			eS	23 49 54.0	0.8			
			eScP	23 53 41.5	−0.9			
			eScS	23 57 24.5	0.8			
WHN	20.3	273	−iP	23 46 46.0	1.0			
			PMZ	$m_b = 6.4$		1.6	3.00	
			PMZ	$m_B = 6.6$		6.0	18.1	
			sP	23 48 24.0	−0.7			
			S	23 50 08.0	1.0			
			SME	$m_B = 6.3$		10.0	23.0	
			ScP	23 53 44.4	0.0			
			LN			10.0	20.7	
			LZ			16.0	10.1	
TIY	21.8	293	−iP	23 47 00.4	0.8			
			PMZ	$m_b = 6.5$		1.5	3.31	
			PMZ	$m_B = 6.7$		5.0	19.2	
			pP	23 47 02.0	2.9			
			sP	23 48 45.0	2.8			
HHC	23.1	300	−iP	23 47 12.0	0.5			
			PMZ	$m_B = 5.7$		4.0	1.29	
			sP	23 48 56.0	0.7			
			S	23 50 59.0	5.3			
			SME	$m_B = 6.5$		6.0	16.7	
			LN			10.0	4.97	
			LE			10.0	18.2	
			LZ			16.0	41.9	
GZH	23.5	254	+iP	23 47 15.0	−0.6			
			PMZ	$m_B = 5.9$		8.0	4.10	
			isP	23 49 03.0	3.1			
			S	23 51 00.0	−1.4			
			LZ			11.0	12.2	
BTO	24.2	299	−iP	23 47 22.0	0.5			
			PMZ			3.0	11.6	
			pP	23 47 28.0	4.5			
			sP	23 49 11.0	4.9			
			S	23 51 15.0	3.4			
			LN			7.0	4.70	
			LE			12.0	22.6	
XAN	24.5	283	−iP	23 47 24.4	−0.1			
			PMZ	$m_B = 6.4$		6.0	9.72	
			sP	23 49 07.0	−2.5			

			S	23 51 13.0	−4.1			
GYA	27.9	267	−P	23 47 53.8	−1.0			
			PMZ	$m_B = 6.1$		4.0	3.70	
			pP	23 49 02.6	2.7			
			PcP	23 50 57.0	−3.0			
			S	23 52 06.0	−4.6			
			ScP	23 54 06.4	1.4			
QZN	28.4	250	P	23 48 00.4	1.2			
			PMZ	$m_B = 5.8$		5.0	2.20	
			pP	23 49 07.0	2.2			
			sP	23 49 49.5	3.2			
			S	23 52 20.0	1.2			
			ScS	23 57 55.5	−3.8			
LZH	28.6	288	−P	23 48 00.5	−0.7			
			PMZ	$m_b = 6.2$		1.5	1.74	
			PMZ	$m_B = 6.3$		6.0	7.81	
			pP	23 49 09.0	2.1			
			sP	23 49 50.0	1.8			
			S	23 52 19.0	−3.0			
			sS	23 54 20.0	−0.5			
			PcS	23 54 39.0	−3.6			
			ScS	23 58 02.0	1.7			
			LE			10.0	9.30	
			LZ			14.0	16.7	
CD2	29.2	277	−iP	23 48 06.0	−0.6			
			PMZ	$m_B = 6.2$		6.0	7.05	
			pP	23 49 13.0	0.2			
			S	23 52 31.0	−0.9			
KMI	31.6	267	−iP	23 48 27.0	−0.7			
			PMZ	$m_B = 6.1$		5.0	4.00	
			pP	23 49 36.5	1.6			
			S	23 53 06.0	−3.7			
			ScP	23 54 17.0	−0.2			
GTA	31.8	295	−iP	23 48 28.6	−0.4			
			PMZ	$m_B = 6.2$		6.0	7.27	
			pP	23 49 36.0	−0.3			
			S	23 53 10.6	−1.5			
			ScP	23 54 17.0	−0.7			
			SS	23 55 37.0	−1.5			
			LE			9.5	9.17	
			LZ			16.0	12.6	
LSA	40.1	280	−P	23 49 40.3	1.5			
			S	23 55 19.0	1.4			
			SMN	$m_B = 6.3$		6.0	6.07	
WMQ	40.9	302	−iP	23 49 46.0	0.9			
			PMZ			3.0	12.5	
			pP	23 50 58.0	2.5			
			PP	23 51 32.0	3.6			
			iScP	23 54 52.0	0.6			
			S	23 55 30.0	0.3			
			SMN	$m_B = 6.3$		6.0	4.17	
			SME			4.0	2.98	
			sS	23 57 41.0	6.1			
			ScS	23 59 04.5	−2.5			
			LN			10.0	8.05	
			LE			9.0	6.79	
			LZ			20.0	10.8	
KSH	50.2	297	−iP	23 50 59.0	1.8			
			epP	23 52 15.0	4.7			
			ePP	23 53 00.0	2.6			
			S	23 57 42.0	2.2			
			LE			16.0	19.7	
			LZ			10.0	7.00	

JUN 17d 00h 13m 23.8 ± 0.15s, SD1.54 / 44
2.75 S ± 1.66km, 143.76 E ± 2.66km, h32 ± 0.25km
Near north coast of New Guinea (200)
m_b5.0 / 1,

WHN	43.4	322	eP	00 21 27.5	1.5			
GYA	46.1	311	P	00 21 49.2	1.6			
SNY	48.0	340	eP	00 22 02.5	0.2			
KMI	48.5	307	eP	00 22 07.5	1.4			
XAN	49.1	321	P	00 22 11.0	−0.1			
CN2	49.2	343	+P	00 22 12.0	0.7			
BJI	49.5	332	eP	00 22 13.0	−1.0			
TIY	49.6	327	eP	00 22 14.5	−0.4			
CD2	50.7	314	P	00 22 23.6	0.5			
BTO	53.0	328	eP	00 22 40.0	−0.5			
GTA	58.2	321	+iP	00 23 18.0	0.0			
WMQ	68.2	320	eP	00 24 23.5	−0.7			

JUN 17d 01h 04m 15.1 ± 0.14s, SD1.20 / 25
51.64 N ± 2.92km, 174.18 W ± 1.26km, h22 ± 1.62km
Andreanof Islands (7)
M_S4.9 / 2,

SNY	42.6	282	−P	01 12 11.9	0.5			
BJI	48.1	285	eP	01 12 55.5	−0.3			
TIY	51.9	285	eP	01 13 24.9	0.5			
			LE	$M_S = 5.2$		20.0	1.30	
GTA	58.1	294	P	01 14 09.2	−0.9			
CD2	61.7	285	eP	01 14 34.1	−0.6			

JUN 17d 04h 00m 49.4 ± 0.16s, SD1.90 / 41
2.99 S ± 1.96km, 147.36 E ± 2.48km, h35 ± 0.34km
Bismarck Sea (203)
M_S5.1 / 8, m_b5.1 / 1,

SSE	42.1	326	eP	04 08 40.5	0.4			
			eS	04 15 01.0	3.9			
			LE	$M_S = 4.8$		10.0	0.45	
			LZ	$M_S = 4.9$		20.0	1.49	
WHN	45.9	319	−P	04 09 12.0	1.3			
			pP	04 09 22.5	2.1			
			eS	04 15 58.0	6.0			
			LE	$M_S = 5.2$		20.0	1.72	
			LZ	$M_S = 4.7$		21.0	0.88	
GYA	49.0	309	P	04 09 37.4	1.9			
CN2	50.6	340	eP	04 09 44.0	−3.2			
			eS	04 16 54.0	−4.2			
			LZ	$M_S = 4.9$		20.0	1.30	
BJI	51.5	329	eP	04 09 53.0	−1.1			
			eS	04 17 08.0	−2.8			
			LZ	$M_S = 4.7$		23.0	0.95	
XAN	51.6	319	P	04 09 54.6	−0.7			
TIY	51.8	325	eP	04 09 58.0	1.1			
			LN	$M_S = 5.3$		19.0	1.77	
			LZ	$M_S = 5.0$		23.0	1.86	
CD2	53.5	312	P	04 10 09.4	0.3			
			LZ	$M_S = 4.8$		22.0	0.96	
HHC	54.5	327	eP	04 10 18.0	1.3			
BTO	55.2	326	eP	04 10 20.0	−1.7			
			epP	04 10 29.0	−2.4			
			eS	04 18 00.0	−1.2			
			LN	$M_S = 5.2$		16.0	0.80	
			LE			16.0	0.60	
LZH	56.2	318	eP	04 10 29.0	−0.1			
			PMZ	$m_b = 5.1$		2.0	0.055	
GTA	60.7	319	P	04 11 00.0	−0.4			
			LE	$M_S = 5.0$		20.0	0.66	
WMQ	70.8	319	P	04 12 05.3	0.4			
			eS	04 21 22.0	5.7			
			LZ	$M_S = 4.6$		22.0	0.43	
KSH	77.7	311	eP	04 12 49.0	3.8			

JUN 17d 07h 47m 02.1 ± 0.10s, SD1.61 / 38
2.99 S ± 1.24km, 147.54 E ± 2.01km, h33 ± 0.24km
Bismarck Sea (203)

m_b5.2 / 1,

WHN	46.0	319	eP	07 55 24.5	0.0			
GYA	49.2	309	P	07 55 54.8	5.4			
CN2	50.6	339	eP	07 56 00.0	−0.5			
			eS	08 03 11.0	−1.0			
			LZ	M_S = 5.5		20.0	4.80	
BJI	51.6	329	eP	07 56 06.0	−1.6			
			LZ	M_S = 4.3		20.0	0.30	
XAN	51.7	319	P	07 56 08.0	−1.0			
TIY	51.9	325	eP	07 56 09.8	−0.7			
			S	08 03 35.0	6.0			
			LZ	M_S = 4.7		22.0	0.78	
CD2	53.6	312	P	07 56 22.9	0.0			
HHC	54.6	327	eP	07 56 29.5	−0.7			
BTO	55.3	326	eP	07 56 35.4	0.2			
LZH	56.3	318	eP	07 56 43.0	0.2			
			PMZ	m_b = 5.2		1.5	0.044	
GTA	60.8	319	eP	07 57 12.6	−1.5			

JUN 17d 08h 31m 02.7 ± 0.41s, SD1.28 / 48
10.53 S ± 5.95km, 109.09 E ± 2.43km, h28 ± km
South of Java (282)
M_S4.9 / 4, m_b4.9 / 4,

KMI	36.0	350	−P	08 38 05.5	1.7			
			sP	08 38 14.0	−1.5			
GYA	36.8	356	P	08 38 09.2	−1.8			
WHN	41.2	7	P	08 38 47.0	0.3			
			pP	08 38 55.5	0.4			
			eS	08 44 52.8	−5.5			
			LE	M_S = 4.9		14.0	0.78	
CD2	41.5	353	P	08 38 50.0	0.1			
			eS	08 45 03.6	−0.4			
SSE	43.0	15	eP	08 39 03.2	1.4			
			PMZ	m_b = 4.8		1.1	0.017	
			sP	08 39 10.7	−3.2			
NJ2	43.4	12	−P	08 39 06.5	1.6			
			pP	08 39 14.8	1.5			
LZH	46.6	354	eP	08 39 31.0	−0.2			
			PMZ	m_b = 5.5		1.5	0.11	
			pP	08 39 40.0	0.6			
			LZ	M_S = 5.3		14.0	2.40	
TIA	47.1	9	eP	08 39 34.2	−0.5			
GTA	50.4	351	eP	08 40 01.2	0.6			
BJI	50.7	7	eP	08 40 03.0	0.2			
			pP	08 40 12.0	0.8			
			eS	08 47 12.0	−3.5			
			LZ	M_S = 4.4		16.0	0.30	
BTO	50.9	1	P	08 40 04.0	0.0			
			sP	08 40 11.0	−4.8			
			eS	08 47 19.0	1.4			
			LN	M_S = 5.0		14.0	0.40	
			LE			14.0	0.50	
CN2	56.1	14	eP	08 40 43.0	0.6			
			eS	08 48 25.0	−3.1			
			LZ	M_S = 4.6		15.0	0.40	
WMQ	57.5	342	P	08 40 52.5	0.1			
			pP	08 41 00.0	−0.8			
			ePP	08 43 05.0	4.3			
			S	08 48 44.0	−1.3			
			ScS	08 50 40.0	4.7			
			LZ	M_S = 4.5		20.0	0.35	

JUN 17d 14h 39m 16.2 ± 0.11s, SD1.50 / 34
12.31 N ± 1.84km, 143.81 E ± 1.76km, h11 ± 0.21km
South of the Marianas (210)

WHN	32.7	308	eP	14 45 51.1	−0.4			
BJI	36.8	324	eP	14 46 26.5	−0.1			
GYA	37.6	297	P	14 46 36.2	2.9			
			PcP	14 48 52.8	4.2			
TIY	37.7	318	+P	14 46 35.0	0.6			
			eS	14 52 20.0	−4.7			
			LZ	M_S = 4.0		19.0	0.25	
CD2	41.3	303	P	14 47 04.4	0.5			
LZH	43.0	310	eP	14 47 19.0	0.7			
GTA	47.3	313	eP	14 47 52.0	−0.1			
WMQ	57.3	314	P	14 49 07.0	0.1			
			PcP	14 50 00.0	−0.1			

JUN 17d 14h 57m 48.4 ± 0.14s, SD1.61 / 32
31.45 S ± 2.72km, 67.40 W ± 2.94km, h29 ± 0.75km
San Juan Province, Argentina (137)

KSH	149.2	65	ePKP	15 17 33.0	1.9			
WMQ	156.8	51	ePKP	15 17 43.0	1.1			
			pPKP	15 17 53.0	2.8			
			PKP2	15 18 13.6	0.9			
GTA	166.9	49	ePKP	15 17 53.2	0.8			
QZN	167.4	168	PKP	15 17 54.7	2.2			
CD2	172.4	92	PKP	15 17 56.3	0.7			
GYA	172.8	132	PKP	15 17 56.6	0.8			
XAN	176.0	49	PKP	15 17 57.6	0.8			
			PKP2	15 19 37.0	0.6			
WHN	178.2	239	ePKP	15 17 56.4	−0.6			
			pPKP	15 18 08.0	2.7			

JUN 17d 16h 52m 54.4 ± 0.08s, SD1.22 / 45
29.95 N ± 1.70km, 59.70 E ± 1.00km, h32 ± 0.03km
Southern Iran (353)
M_S5.0 / 8, m_B5.2 / 1,

KSH	16.4	50	P	16 56 44.0	0.3			
			epP	16 56 52.0	1.1			
			eS	16 59 47.0	2.8			
			LN	M_S = 5.3		10.0	6.30	
			LZ	M_S = 4.9		14.0	4.40	
WMQ	26.2	50	P	16 58 28.5	0.3			
			sS	17 03 14.0	3.3			
			SMN	m_B = 5.2		12.0	0.56	
			SME			16.0	0.75	
			LE	M_S = 4.8		11.0	0.95	
			LZ	M_S = 4.6		20.0	1.67	
GTA	34.1	63	eP	16 59 37.8	−0.6			
			LE	M_S = 4.8		10.0	0.51	
			LZ	M_S = 4.5		16.0	0.70	
KMI	38.3	87	eP	17 00 13.0	−1.3			
GYA	41.3	83	P	17 00 41.4	2.2			
XAN	41.6	71	eP	17 00 43.6	1.9			
BTO	41.9	61	eP	17 00 45.5	1.3			
			esP	17 00 56.0	−1.3			
			eS	17 07 03.0	2.3			
			LN	M_S = 4.9		12.0	0.30	
			LE			14.0	0.70	
TIY	44.0	65	eP	17 01 01.0	−0.1			
			S	17 07 30.0	0.3			
			sS	17 07 42.0	−3.9			
			LN	M_S = 5.0		13.0	0.50	
			LE			11.0	0.46	
			LZ	M_S = 4.6		18.0	0.73	
BJI	46.7	62	eP	17 01 22.0	−0.1			
			LZ	M_S = 4.8		17.0	0.88	
WHN	46.8	75	eP	17 01 22.6	−0.7			
CN2	53.1	56	eP	17 02 11.0	−0.3			
			eS	17 09 39.0	0.9			
			LZ	M_S = 5.0		20.0	1.30	

JUN 17d 18h 28m 08.3 ± 0.19s, SD1.40 / 54
40.51 S ± 1.94km, 74.83 W ± 3.14km, h39 ± 1.19km
Off coast of Southern Chile (143)

M_S5.5 / 1, m_B5.7 / 2,

KSH	157.6	83	ePKP	18 48 03.0	1.5			
			epPKP	18 48 13.0	0.5			
			ePP	18 52 16.0	0.8			
			SKS	18 55 06.0	6.2			
			eSKKS	18 59 04.0	6.3			
MDJ	161.6	291	ePKP	18 48 04.0	−1.7			
LSA	164.3	129	PKP	18 48 10.8	1.9			
KMI	164.5	172	ePKP	18 48 10.0	1.1			
			pPKP	18 48 19.0	−0.9			
			PKP2	18 49 06.5	3.6			
			PP	18 52 50.0	−2.1			
			LZ	M_S = 5.4		30.0	0.70	
CN2	164.6	289	+PKP	18 48 09.0	0.2			
			ePP	18 52 50.6	−1.9			
			LZ	M_S = 5.3		32.0	0.70	
GYA	165.9	186	PKP	18 48 10.6	0.5			
			pPKP	18 48 19.6	−1.6			
			PKP2	18 49 10.6	0.0			
			PP	18 52 54.4	−4.7			
NJ2	166.1	237	ePKP	18 48 10.5	0.4			
			ePKP2	18 49 11.0	−0.6			
			LZ	M_S = 5.2		20.0	0.31	
WMQ	166.6	70	PKP	18 48 11.0	0.4			
			PKP2	18 49 14.5	0.9			
			PP	18 53 03.5	0.9			
			LZ	M_S = 5.2		24.0	0.37	
WHN	167.6	220	PKP	18 48 11.9	0.8			
CD2	170.4	173	ePKP	18 48 13.1	0.3			
BJI	171.6	270	ePKP	18 48 13.0	−0.5			
			ePKP2	18 49 34.0	−1.5			
			ePP	18 53 26.0	−1.3			
			eSKKS	19 00 12.0	3.5			
			LZ	M_S = 5.3		22.0	0.56	
XAN	172.9	206	PKP	18 48 14.0	−0.3			
TIY	173.7	246	PKP	18 48 15.0	0.4			
			PKP2	18 49 43.5	−1.4			
			PP	18 53 36.0	−2.0			
			LZ	M_S = 5.5		24.0	0.95	
HHC	175.1	276	ePKP	18 48 15.2	0.2			
GTA	175.7	103	ePKP	18 48 16.0	0.7			
			PKP2	18 49 55.0	1.1			
			PP	18 53 49.0	0.8			
			PPMZ	m_B = 5.7		6.0	0.54	
			SKKS	19 00 30.0	1.6			
			LZ	M_S = 5.6		22.0	1.30	
BTO	176.3	273	PKP	18 48 15.0	−0.4			

JUN 18d 01h 58m 30.2 ± 0.08s, SD1.18 / 50
2.52 N ± 1.10km, 126.59 E ± 2.19km, h33 ± 0.05km
Molucca Passage (266)

WHN	30.2	339	eP	02 04 41.0	1.0			
NJ2	30.3	347	eP	02 04 40.0	−0.7			
XAN	35.4	334	P	02 05 25.0	−0.8			
CD2	35.5	325	eP	02 05 26.0	−0.7			
DL2	36.5	353	eP	02 05 36.0	1.3			
TIY	37.4	341	eP	02 05 40.7	−1.3			
			LZ	M_S = 4.5		30.0	1.10	
BJI	38.5	347	eP	02 05 52.5	0.8			
SNY	39.2	356	−P	02 05 58.3	0.8			
CN2	41.1	359	eP	02 06 13.0	−0.2			
MDJ	42.0	3	eP	02 06 21.0	0.5			
GTA	44.1	330	P	02 06 37.7	0.3			
			LZ	M_S = 4.2		24.0	0.35	
WMQ	53.6	326	P	02 07 50.7	−0.5			

JUN 18d 06h 50m 58.2 ± 0.08s, SD1.93 / 36
39.62 N ± 0.97km, 118.55 E ± 0.96km, h9 ± 0.16km

North-Eastern China (658)
M_S3.7 / 4, M_L4.2 / 20,

BJI	1.9	284	Pn	06 51 29.0	−1.8			
			Pg	06 51 30.5	−0.8			
			Sg	06 51 53.0	−3.9			
			LZ			8.0	1.07	
DL2	2.5	106	Pn	06 51 42.0	2.6			
			SMN	M_L = 4.1		0.8	1.18	
			SME			0.8	0.91	
TIA	3.6	199	Pn	06 51 54.6	0.3			
			Pg	06 52 03.6	2.2			
			Sn	06 52 35.8	−3.0			
			Sg	06 52 48.6	−1.9			
			SMN	M_L = 4.1		0.8	0.36	
			SME			0.8	0.67	
SNY	4.4	58	+Pn	06 52 07.7	2.0			
			SMN	M_L = 4.3		1.0	0.74	
			SME			1.0	0.38	
TIY	5.1	250	ePn	06 52 15.9	0.0			
			LN	M_S = 3.8		6.0	0.76	
			LZ	M_S = 3.8		12.0	1.08	
HHC	5.5	285	ePg	06 52 35.6	0.4			
			Sg	06 53 45.8	−4.2			
			SMN	M_L = 4.4		1.0	0.30	
			SME			1.0	0.44	
BTO	6.6	281	Pg	06 52 55.8	0.7			
			Sg	06 54 22.4	−2.9			
			SMN	M_L = 4.1		1.0	0.10	
			SME			1.0	0.10	
CN2	6.6	49	Pg	06 52 55.4	−0.2			
			Sg	06 54 25.0	−1.2			
			SMN	M_L = 4.6		1.0	0.37	
			SME			1.0	0.22	
NJ2	7.6	178	ePn	06 52 48.0	−0.9			
			eSn	06 54 18.5	1.3			
			LN	M_S = 3.6		11.0	0.46	
SSE	8.8	165	eP	06 53 07.5	−0.9			
			SME	M_L = 3.8		1.0	0.019	
			LE	M_S = 3.5		14.0	0.35	
			LZ	M_S = 3.6		14.0	0.44	
WHN	9.7	202	eP	06 53 19.2	−1.8			
GTA	14.5	275	eP	06 54 26.8	1.2			
CD2	14.9	239	eP	06 54 30.0	−0.8			
GYA	16.5	221	P	06 54 55.0	3.6			

JUN 18d 12h 44m 40.2 ± 0.13s, SD0.82 / 24
20.84 S ± 1.85km, 178.56 W ± 1.81km, h581 ± 0.56km
Fiji region (181)

NJ2	79.7	310	eP	12 55 50.5	0.3
MDJ	80.5	325	eP	12 55 54.0	−0.4
WHN	82.2	307	eP	12 56 03.0	−0.1
CN2	82.2	323	−P	12 56 02.8	−0.5
BJI	85.8	316	eP	12 56 20.5	0.0
TIY	87.1	312	eP	12 56 27.6	0.6
XAN	87.9	308	P	12 56 31.0	0.2

JUN 18d 14h 06m 28.6 ± 0.09s, SD1.25 / 68
17.84 N ± 1.27km, 68.86 W ± 1.91km, h65 ± 0.54km
Dominican Republic region (88)

HHC	121.6	360	−PKP	14 25 17.2	0.9			
BTO	121.9	1	ePKP	14 25 16.8	0.1			
GTA	122.1	10	−iPKP	14 25 17.3	0.1			
BJI	122.2	355	ePKP	14 25 17.5	0.2			
			PP	14 26 54.0	−2.7			
			LZ	M_S = 4.9		40.0	0.57	
DL2	122.7	350	ePKP	14 25 18.5	0.3			
TIY	124.7	359	+PKP	14 25 23.1	0.8			
TIA	125.9	354	ePKP	14 25 24.7	0.2			

XAN	128.4	2	−PKP	14 25 29.7	0.4			
LSA	129.0	22	PKP	14 25 32.6	1.8			
NJ2	129.8	351	+PKP	14 25 32.2	0.2			
SSE	130.4	349	−PKP	14 25 33.4	0.3			
CD2	131.0	8	PKP	14 25 35.0	0.7			
WHN	131.8	356	ePKP	14 25 35.5	−0.2			
GYA	135.8	6	+PKP	14 25 44.4	1.1			
QZN	143.3	2	PKP	14 25 58.8	2.1			

JUN 18d 15h 49m 14.0 ± 0.09s, SD1.25 / 79
12.39 S ± 1.18km, 121.66 E ± 2.22km, h34 ± 0.17km
South of Timor (293)
m_b5.3 / 7,

QZN	33.3	339	eP	15 55 51.6	0.4			
GYA	41.3	339	P	15 56 59.0	0.7			
KMI	41.6	334	+P	15 57 03.0	1.9			
SSE	43.2	359	+P	15 57 14.2	0.0			
			PMZ	m_b = 5.3		1.0	0.042	
			LZ	M_S = 4.3		28.0	0.55	
WHN	43.3	351	eP	15 57 14.5	0.1			
NJ2	44.3	357	+P	15 57 23.0	0.4			
			LZ	M_S = 4.2		22.0	0.31	
CD2	46.4	339	eP	15 57 39.2	−0.1			
XAN	47.7	346	+P	15 57 49.2	−0.9			
TIY	50.6	351	eP	15 58 10.9	−1.2			
			S	16 05 26.0	4.0			
			LZ	M_S = 4.6		28.0	0.90	
DL2	51.0	360	eP	15 58 17.3	1.9			
LZH	51.1	341	eP	15 58 16.0	0.1			
			PMZ	m_b = 5.3		2.0	0.082	
LSA	51.1	325	P	15 58 17.6	0.8			
BJI	52.4	355	eP	15 58 24.5	−1.2			
HHC	53.8	351	eP	15 58 35.6	−0.5			
BTO	53.8	349	eP	15 58 34.8	−1.5			
SNY	54.0	2	+P	15 58 35.6	−1.8			
GTA	55.4	339	eP	15 58 48.3	0.3			
			PMZ	m_b = 5.1		1.2	0.033	
CN2	56.0	3	−P	15 58 51.0	−1.3			
			pP	15 59 02.8	0.8			
MDJ	57.2	7	eP	15 59 00.0	−0.6			
WMQ	63.9	333	−P	15 59 47.0	0.4			
			PMZ	m_b = 5.5		1.0	0.060	
			pP	15 59 58.0	1.7			
			eS	16 08 19.0	0.2			

JUN 18d 16h 48m 04.2 ± 0.06s, SD1.07 / 45
2.36 S ± 0.83km, 138.83 E ± 1.90km, h34 ± 0.30km
West Irian (201)
m_b4.8 / 2,

SSE	37.3	335	P	16 55 15.6	0.6			
			PMZ	m_b = 4.7		1.0	0.012	
NJ2	39.1	333	−P	16 55 31.5	1.0			
WHN	40.2	326	−P	16 55 41.0	1.6			
GYA	42.3	315	P	16 55 57.4	0.8			
DL2	44.0	341	eP	16 56 10.0	−0.7			
XAN	45.9	325	P	16 56 25.5	−0.1			
SNY	46.1	344	−P	16 56 27.8	0.3			
TIY	46.8	331	eP	16 56 32.4	−0.4			
BJI	47.0	336	eP	16 56 34.5	−0.1			
CN2	47.5	347	−P	16 56 38.4	0.0			
BTO	50.2	331	eP	16 57 00.0	0.6			
LZH	50.3	323	eP	16 57 00.5	0.4			
GTA	54.9	323	P	16 57 34.0	−0.2			
WMQ	64.8	321	+iP	16 58 41.7	−0.8			

JUN 18d 17h 00m 04.6 ± 0.10s, SD1.59 / 29
5.19 N ± 1.42km, 125.78 E ± 1.96km, h33 ± 0.09km
Talaud Islands (263)

QZN	20.7	313	eP	17 04 47.9	2.6			
WHN	27.4	338	eP	17 05 48.0	−1.6			
XAN	32.7	334	P	17 06 35.2	−1.3			
BJI	35.8	347	eP	17 07 02.0	−0.8			
LSA	40.8	311	P	17 07 47.2	2.0			
GTA	41.4	329	eP	17 07 49.4	−0.4			

JUN 18d 17h 45m 09.4 ± 0.11s, SD2.47 / 10
39.72 N ± 0.96km, 118.12 E ± 0.90km, h15 ± 0.20km
North−Eastern China (658)
M_L3.1 / 12,

BJI	1.5	283	Pn	17 45 37.0	0.4			
			Pg	17 45 38.0	1.5			
			SMN	M_L = 3.5		0.5	0.68	
			SME			0.5	0.62	
DL2	2.8	106	Pg	17 46 02.4	2.7			
			Sg	17 46 34.0	−4.6			
			SMN	M_L = 2.9		0.8	0.050	
			SME			0.8	0.060	
TIA	3.6	193	Pg	17 46 11.5	−1.5			
			Sg	17 46 55.8	−6.3			
			SMN	M_L = 2.8		0.7	0.018	
			SME			0.8	0.030	
			SMZ	M_L = 2.8		0.4	0.018	
CN2	6.8	51	ePg	17 47 11.0	0.9			
			Sg	17 48 37.0	−6.3			
			SMN	M_L = 3.7		1.0	0.050	
			SME			1.0	0.030	

JUN 18d 19h 28m 28.3 ± 0.10s, SD1.70 / 22
2.54 S ± 1.01km, 139.95 E ± 1.83km, h35 ± 0.19km
West Irian (201)

WHN	41.0	325	eP	19 36 10.7	0.8			
GYA	43.2	314	P	19 36 29.6	1.4			
XAN	46.7	324	eP	19 36 55.0	−0.8			
BJI	47.6	335	eP	19 37 05.0	1.4			
BTO	50.9	331	eP	19 37 24.0	−4.7			
GTA	55.7	323	eP	19 38 03.5	−0.6			
WMQ	65.6	321	eP	19 39 10.5	−1.4			

JUN 19d 02h 10m 18.2 ± 0.08s, SD1.17 / 35
2.46 N ± 0.72km, 126.60 E ± 1.01km, h101 ± 0.72km
Molucca Passage (266)

XAN	35.5	334	P	02 17 05.8	−1.7			
CD2	35.6	325	P	02 17 07.4	−0.9			
DL2	36.6	353	eP	02 17 17.8	1.4			
BJI	38.6	347	eP	02 17 33.5	0.2			
LZH	39.5	331	eP	02 17 41.0	−0.4			
			LZ			24.0	0.80	

JUN 19d 06h 21m 40.6 ± 0.13s, SD3.89 / 8
42.30 N ± 1.05km, 82.47 E ± 0.94km, h15 ± 1.03km
Southern Xinjiang Province (321)
M_L3.8 / 8,

WMQ	4.1	67	ePn	06 22 43.0	−0.6			
			Sg	06 23 45.0	−4.8			
			SMN	M_L = 3.8		1.2	0.16	
			SME			1.4	0.22	
KSH	5.7	243	ePg	06 23 16.7	−4.6			
			Sg	06 24 45.8	7.0			
			SMN	M_L = 3.9		0.7	0.10	
			SME			0.9	0.10	

JUN 19d 11h 29m 01.6 ± 0.08s, SD2.04 / 18
40.18 N ± 0.96km, 113.01 E ± 0.79km, h10 ± 0.32km
North−Eastern China (658)
M_L3.5 / 12, m_b4.4 / 1,

BJI	2.4	92	Pn	11 29 40.5	−1.3			

			Pg	11 29 43.5	−1.1			
			Sg	11 30 16.0	−1.9			
			SMN	$M_L = 3.2$		1.0	0.20	
			SME			1.0	0.098	
TIY	2.5	190	ePn	11 29 42.7	−0.2			
			+iPg	11 29 45.0	−0.9			
			Sn	11 30 13.4	−1.9			
			Sg	11 30 16.6	−3.6			
			SMN	$M_L = 3.4$		0.8	0.17	
			SME			0.8	0.28	
DL2	6.8	98	ePg	11 31 01.5	0.0			
			PMZ	$m_b = 4.4$		1.0	0.030	
WHN	9.7	173	eP	11 31 25.5	1.3			
GTA	10.2	270	eP	11 31 29.6	−1.7			

JUN 19d 12h 33m 41.6 ± 0.02s, SD2.10 / 6
32.57 N ± 0.21km, 121.66 E ± 0.15km, h16 ± 0.24km
Eastern China (664)
M_L3.1 / 5,

SSE	1.5	195	+Pn	12 34 07.8	−0.9			
			Pg	12 34 09.4	0.8			
			Sn	12 34 26.2	−3.7			
			Sg	12 34 28.2	−1.3			
			SMN	$M_L = 3.0$		0.5	0.18	
			SME			0.5	0.24	
NJ2	2.4	258	+Pg	12 34 24.4	−0.2			
			Sg	12 34 55.4	−2.5			
			SMN	$M_L = 3.7$		0.5	0.53	
			SME			0.4	0.38	

JUN 19d 13h 00m 40.7 ± 0.07s, SD1.16 / 38
13.10 S ± 1.57km, 167.04 E ± 2.57km, h236 ± 0.87km
Vanuatu (New Hebrides) (186)
m_b4.6 / 1,

SSE	62.2	316	+P	13 10 39.4	−0.4			
			PMZ	$m_b = 4.6$		0.8	0.012	
NJ2	64.4	315	eP	13 10 54.0	0.1			
WHN	66.7	312	eP	13 11 08.0	−0.8			
DL2	66.9	323	eP	13 11 10.5	0.6			
TIA	68.0	318	eP	13 11 16.0	−0.9			
CN2	68.1	329	+iP	13 11 17.8	−0.1			
BJI	70.9	321	eP	13 11 34.0	−0.4			
TIY	71.9	317	eP	13 11 41.5	0.7			
GTA	81.4	314	P	13 12 34.4	0.9			

JUN 19d 16h 00m 47.9 ± 0.09s, SD1.95 / 62
22.12 S ± 4.86km, 67.60 W ± 5.00km, h187 ± 0.26km
Northern Chile (123)

KSH	144.5	52	PKP	16 20 02.5	−0.6
			epPKP	16 20 44.0	−6.2
			PP	16 23 24.0	0.5
WMQ	150.2	38	PKP	16 20 16.5	4.1
			PKP2	16 20 25.7	0.2
			SKKS	16 30 29.5	4.9
CN2	155.8	336	ePKP	16 20 22.0	1.8
SNY	158.2	337	ePKP	16 20 23.4	0.1
			PKP2	16 20 59.0	−0.4
LSA	159.5	64	PKP	16 20 26.5	1.2
GTA	159.7	29	ePKP	16 20 25.8	0.6
HHC	161.3	2	PKP	16 20 28.0	1.2
BTO	161.5	6	ePKP	16 20 28.2	1.2
DL2	161.5	337	PKP	16 20 28.0	1.1
BJI	161.9	351	ePKP	16 20 28.0	0.8
			ePKP2	16 21 14.0	−1.1
			sPKP2	16 22 32.0	
			ePP	16 24 56.0	−4.1
			eSS	16 44 54.0	−5.9
LZH	164.2	26	ePKP	16 20 25.0	−4.8
TIY	164.5	360	ePKP	16 20 31.5	1.0
TIA	165.4	345	ePKP	16 20 31.1	0.4
XAN	167.7	14	PKP	16 20 33.3	0.8
SSE	168.1	321	−PKP	16 20 33.4	0.8
			epPKP	16 21 17.0	−3.7
			PKP2	16 21 48.8	6.5
CD2	168.3	40	ePKP	16 20 33.6	0.8
NJ2	168.6	331	−PKP	16 20 34.0	1.1
WHN	171.4	349	ePKP	16 20 33.2	−1.4
			PKP2	16 21 56.0	−1.0
			PP	16 25 45.0	−4.0

JUN 19d 20h 16m 10.8 ± 0.16s, SD2.67 / 36
55.52 S ± 4.35km, 28.19 W ± 3.63km, h35 ± 0.67km
South Sandwich Islands region (153)

GTA	142.3	93	ePKP	20 35 38.6	−2.4			
			PKS	20 39 07.4	−6.5			
XAN	143.5	108	ePKP	20 35 42.1	−0.9			
			PKS	20 39 12.6	−3.3			
WHN	143.6	118	ePKP	20 35 42.5	−0.6			
NJ2	147.1	122	−PKP	20 35 50.0	0.9			
SSE	147.4	126	PKP	20 35 51.0	1.4			
TIY	148.2	107	ePKP	20 35 52.4	1.5			
			sPKP	20 36 10.0	5.2			
BTO	148.9	101	PKP	20 35 55.0	2.9			
TIA	149.5	115	−PKP	20 35 56.4	3.3			
HHC	149.9	102	ePKP	20 35 57.8	4.0			
BJI	151.9	108	ePKP	20 36 02.0	5.4			

JUN 20d 05h 35m 49.8 ± 0.08s, SD2.72 / 7
25.56 N ± 0.70km, 119.30 E ± 0.64km, h16 ± 0.86km
Near south-eastern coast of China (242)
M_L3.6 / 7,

GZH	6.0	247	ePg	05 37 35.0	−0.2			
			Sg	05 38 59.0	2.3			
			SMN	$M_L = 4.3$		0.8	0.21	
			SME			1.0	0.21	

JUN 20d 05h 41m 43.9 ± 0.14s, SD0.91 / 81
52.57 N ± 2.02km, 174.06 E ± 0.96km, h57 ± 0.69km
Near Islands (5)
M_S4.6 / 4, m_b5.3 / 4,

MDJ	30.1	273	eP	05 47 49.2	−1.1			
			eS	05 52 50.0	7.0			
			LZ	$M_S = 4.2$		18.0	0.44	
CN2	33.0	274	−P	05 48 16.0	−0.2			
			pP	05 48 28.0	−1.8			
			eS	05 53 30.0	0.7			
			LN	$M_S = 4.6$		8.0	0.30	
			LZ	$M_S = 4.4$		22.0	0.80	
SNY	35.3	273	eP	05 48 35.4	−0.1			
			eS	05 54 00.0	−4.0			
			LZ	$M_S = 4.4$		26.0	0.80	
BJI	40.8	276	eP	05 49 22.0	0.0			
			eS	05 55 28.0	−0.5			
			LZ	$M_S = 4.1$		24.0	0.32	
TIA	42.7	271	eP	05 49 37.7	0.5			
HHC	43.1	280	+P	05 49 42.5	1.5			
SSE	43.7	262	−P	05 49 46.6	1.2			
			PMZ	$m_b = 4.7$		1.0	0.012	
			pP	05 49 58.0	−1.4			
			eS	05 56 16.6	6.1			
BTO	44.2	281	−iP	05 49 50.8	1.1			
			pP	05 50 03.5	0.0			
			ePP	05 51 36.0	2.0			
			S	05 56 21.5	4.5			
NJ2	44.4	265	+P	05 49 52.0	0.6			
			LZ	$M_S = 4.3$		16.0	0.29	

TIY	44.6	276	+P	05 49 53.5	1.0			
			LN	$M_S = 4.8$		15.0	0.34	
			LE			20.0	0.62	
WHN	48.2	267	eP	05 50 21.5	0.1			
XAN	49.1	275	P	05 50 28.5	0.1			
LZH	50.8	280	eP	05 50 41.0	−0.4			
			PMZ	$m_b = 5.5$		2.0	0.11	
			LZ	$M_S = 4.5$		20.0	0.49	
CD2	54.4	276	eP	05 51 08.3	0.0			
WMQ	54.9	298	−iP	05 51 11.6	−0.4			
			PMZ	$m_b = 5.6$		1.0	0.080	
			pP	05 51 25.6	−0.5			
			S	05 58 50.0	3.8			
			sS	05 59 14.0	2.1			
			LZ	$M_S = 4.8$		24.0	1.05	
GYA	55.9	270	P	05 51 18.4	−0.2			
			pP	05 51 30.0	−2.7			
QZN	59.5	261	eP	05 51 46.3	2.3			
KSH	64.2	302	eP	05 52 16.5	0.7			
			pP	05 52 29.0	−1.2			

JUN 20d 06h 18m 33.2 ± 0.16s, SD2.92 / 9
35.71 N ± 1.60km, 97.71 E ± 1.11km, h5 ± km
Qinghai Province (325)
M_L3.5 / 2,

GTA	4.0	24	ePn	06 19 39.4	3.1			
			Pg	06 19 49.8	5.1			
			Sg	06 20 46.8	6.8			
			SMN	$M_L = 3.0$		0.6	0.026	
			SME			0.6	0.034	
WMQ	11.2	319	eP	06 21 13.7	−3.2			
			SME			1.5	0.030	

JUN 20d 06h 19m 46.3 ± 0.19s, SD1.74 / 49
3.58 N ± 1.38km, 124.39 E ± 1.86km, h311 ± 1.82km
Celebes Sea (262)
m_b4.7 / 4,

QZN	20.9	318	eP	06 24 08.0	1.7			
			sP	06 25 31.0	−4.6			
			eS	06 27 40.0	3.6			
QZH	22.0	346	eP	06 24 18.2	1.9			
GYA	28.4	325	P	06 25 15.0	−0.1			
			PcP	06 28 18.8	0.3			
			S	06 29 43.0	5.3			
			ScP	06 31 28.4	−0.1			
			ScS	06 35 20.6	−0.4			
WHN	28.4	342	eP	06 25 11.0	−4.5			
CD2	33.4	327	eP	06 25 58.5	−0.2			
BJI	37.0	350	eP	06 26 28.0	−1.1			
			ScP	06 31 58.0	−0.3			
			eScS	06 36 07.0	1.3			
SNY	38.1	359	eP	06 26 41.1	3.4			
CN2	40.1	1	eP	06 26 51.0	−2.9			
MDJ	41.1	6	eP	06 27 05.5	2.9			
GTA	42.1	331	+iP	06 27 10.8	0.4			
			PMZ	$m_b = 4.4$		0.8	0.017	
WMQ	51.5	326	P	06 28 22.5	−0.9			
			PMZ	$m_b = 4.7$		1.0	0.040	
			ScP	06 32 56.5	−0.6			
			S	06 35 19.8	1.9			

JUN 20d 06h 28m 16.3 ± 0.16s, SD1.65 / 16
38.39 N ± 0.98km, 126.01 E ± 1.26km, h31 ± 0.47km
South Korea (231)
M_L4.0 / 11,

DL2	3.5	280	Pn	06 29 10.2	1.6			
			ePg	06 29 19.8	2.1			
			Sg	06 30 11.0	5.7			
			SMN	$M_L = 4.0$		1.0	0.51	
			SME			1.0	0.31	
SNY	3.9	332	ePn	06 29 16.2	1.6			
			−iPg	06 29 29.0	3.6			
			Sg	06 30 23.8	4.8			
			SMN	$M_L = 4.0$		0.7	0.36	
			SME			0.6	0.31	
CN2	5.4	356	Pn	06 29 36.0	0.5			
			Pg	06 29 53.0	0.9			
			Sn	06 30 43.0	4.4			
			Sg	06 31 08.0	1.6			
			SMN	$M_L = 3.9$		0.6	0.10	
			SME			0.6	0.15	
MDJ	6.8	22	Pg	06 30 17.5	1.3			
			SME	$M_L = 4.1$		1.0	0.10	
SSE	8.3	210	eP	06 30 17.0	−0.3			
			SME	$M_L = 3.8$		1.0	0.024	
WHN	12.4	234	eP	06 31 13.7	0.1			
GYA	20.2	240	P	06 32 51.4	0.2			

JUN 20d 18h 07m 44.4 ± 0.19s, SD1.08 / 82
52.81 N ± 2.66km, 172.40 E ± 1.24km, h41 ± 0.72km
Near Islands (5)
M_S4.9 / 22, m_B5.6 / 2, m_b5.4 / 10,

MDJ	29.0	271	eP	18 13 43.0	−0.3			
			S	18 18 30.0	0.4			
			LN	$M_S = 4.8$		17.0	1.20	
			LE			26.0	0.97	
CN2	32.0	273	+P	18 14 07.6	−1.9			
			pP	18 14 16.5	−3.4			
			eS	18 19 20.0	3.0			
			LN	$M_S = 4.7$		15.0	0.80	
			LZ	$M_S = 4.6$		21.0	1.40	
SNY	34.2	271	eP	18 14 28.8	−0.1			
			eS	18 19 52.0	0.0			
			LZ	$M_S = 4.7$		15.0	1.17	
DL2	37.2	269	eP	18 14 54.0	0.0			
			PMZ	$m_b = 5.3$		1.0	0.050	
			eS	18 20 40.0	2.5			
			LN	$M_S = 4.6$		13.0	0.39	
			LZ	$M_S = 4.2$		22.0	0.45	
BJI	39.8	274	eP	18 15 16.0	0.3			
			PMZ	$m_B = 5.6$		4.0	0.41	
			ePP	18 16 48.0	−3.4			
			eS	18 21 17.0	0.0			
			eSS	18 24 08.0	1.2			
			LN	$M_S = 4.9$		14.0	0.54	
			LE			14.0	0.50	
			LZ	$M_S = 4.7$		24.0	1.30	
TIA	41.7	269	eP	18 15 31.2	0.1			
			LN	$M_S = 4.9$		15.0	0.70	
			LE			15.0	0.30	
			LZ	$M_S = 4.3$		32.0	0.70	
HHC	42.1	279	+P	18 15 35.5	0.8			
			PP	18 17 15.0	−0.3			
			eS	18 21 50.0	−1.2			
			ScS	18 25 35.0	4.8			
			LE	$M_S = 4.9$		15.0	0.74	
			LZ	$M_S = 4.8$		16.0	0.99	
SSE	42.7	260	+P	18 15 40.6	0.8			
			PMZ	$m_b = 5.4$		1.5	0.086	
			epP	18 15 52.0	1.4			
			eS	18 22 05.0	4.7			
			eScS	18 25 39.0	4.9			
			LN	$M_S = 4.7$		16.0	0.47	
			LZ	$M_S = 4.4$		20.0	0.47	
BTO	43.2	280	eP	18 15 44.0	0.5			
			pP	18 15 54.5	0.3			

			eS	18 22 08.0	1.1			
			LN	M_S=5.1		15.0	0.40	
			LE			15.0	1.00	
NJ2	43.5	263	−P	18 15 45.8	0.1			
			S	18 22 10.0	0.1			
			LZ	M_S=4.3		20.0	0.40	
TIY	43.5	275	−iP	18 15 47.0	0.5			
			S	18 22 08.0	−3.1			
			LE	M_S=5.0		18.0	1.14	
			LZ	M_S=4.5		26.0	0.85	
WHN	47.2	266	P	18 16 15.5	−0.3			
			PMZ	m_b=5.7		1.6	0.15	
			sP	18 16 31.3	0.1			
			S	18 23 06.0	1.9			
			LN	M_S=4.8		14.0	0.35	
			LE			14.0	0.33	
XAN	48.1	273	P	18 16 22.2	−0.5			
LZH	49.8	279	−P	18 16 36.5	0.7			
			PMZ	m_b=5.7		2.0	0.19	
			LZ	M_S=5.1		16.0	1.70	
GTA	50.0	285	+iP	18 16 36.8	−0.4			
			LN	M_S=5.0		13.0	0.65	
			LZ	M_S=5.0		16.0	1.17	
CD2	53.4	274	P	18 17 02.1	−0.8			
WMQ	53.9	297	P	18 17 06.5	−0.3			
			PMZ	m_b=5.2		1.5	0.050	
			pP	18 17 17.5	−0.3			
			PP	18 19 08.5	−0.1			
			eS	18 24 38.0	0.0			
			LN	M_S=5.3		14.0	1.11	
			LZ	M_S=5.0		24.0	1.72	
GYA	54.8	268	P	18 17 13.0	−0.6			
KMI	58.2	270	+P	18 17 37.0	−0.7			
			pP	18 17 44.0	−4.5			
			PP	18 19 46.0	−1.3			
			S	18 25 40.0	6.5			
QZN	58.5	260	eP	18 17 40.8	1.1			
			eS	18 25 44.0	5.2			
LSA	61.8	283	+P	18 18 03.1	0.3			
KSH	63.2	301	eP	18 18 12.0	0.3			
			pP	18 18 22.0	−0.7			
			ePP	18 20 32.0	0.8			
			eS	18 26 40.0	1.1			
			LE	M_S=5.3		13.0	0.90	

JUN 20d 19h 53m 50.9±0.09s, SD2.84/9
31.32 N±1.14km, 104.28 E±0.93km, h3±0.28km
Sichuan Province (307)
M_L3.1/6,

CD2	0.6	228	Pg	19 54 02.2	0.4			
			Sg	19 54 12.3	2.3			
			SMN	M_L=2.9		0.5	0.47	
			SME			0.6	0.49	
XAN	4.8	54	Pg	19 55 15.2	0.2			
			Sg	19 56 15.8	−4.1			
			SMN	M_L=3.3		0.8	0.038	
			SME			0.8	0.040	

JUN 20d 21h 49m 48.8±0.11s, SD1.72/18
36.37 N±1.04km, 70.64 E±1.47km, h145±0.24km
Hindu Kush region (718)

KSH	5.2	51	eP	21 51 10.0	3.6			
			eS	21 52 12.0	5.9			
			SMN			0.2	0.50	
			SME			0.4	0.50	
WMQ	15.0	55	P	21 53 15.5	0.5			
			eS	21 55 55.5	−2.2			
LSA	18.4	105	P	21 53 58.3	2.1			
GTA	23.2	74	eP	21 54 46.0	2.2			

JUN 20d 23h 40m 38.5±0.09s, SD1.17/72
3.80 S±2.19km, 87.11 E±1.68km, h8±0.32km
South Indian Ocean (425)
M_S4.9/10, m_b4.8/2,

KMI	32.5	27	−P	23 47 15.0	2.3			
			sP	23 47 24.5	4.3			
			S	23 52 25.0	−1.0			
			LN	M_S=4.8		16.0	1.00	
			LZ	M_S=4.8		20.0	1.70	
LSA	33.5	6	P	23 47 23.2	1.4			
GYA	35.5	31	P	23 47 40.0	1.3			
			S	23 53 14.0	1.0			
			sS	23 53 29.0	6.7			
			LN	M_S=5.1		18.0	1.50	
			LE			18.0	1.30	
			LZ	M_S=4.4		20.0	0.60	
CD2	38.0	24	eP	23 47 59.2	−0.1			
LZH	42.7	20	eP	23 48 37.0	−1.0			
			LZ	M_S=4.6		24.0	0.90	
XAN	42.9	27	P	23 48 39.0	−0.8			
WHN	42.9	35	eP	23 48 41.0	0.9			
			eS	23 55 02.0	−3.3			
KSH	44.3	348	eP	23 48 51.5	0.0			
			epP	23 49 02.0	5.5			
			PP	23 50 35.0	−0.6			
			S	23 55 25.0	0.5			
			LE	M_S=5.1		13.0	0.90	
GTA	44.6	14	+iP	23 48 53.4	−0.1			
			PMZ	m_b=4.9		1.0	0.022	
NJ2	46.7	38	eP	23 49 11.0	0.7			
			LZ	M_S=4.6		18.0	0.60	
WMQ	47.4	1	P	23 49 16.0	0.1			
			pP	23 49 26.7	5.8			
			eS	23 56 07.0	−2.8			
			LZ	M_S=4.3		24.0	0.45	
TIY	47.5	27	eP	23 49 16.5	−0.4			
			S	23 56 10.5	0.2			
			sS	23 56 26.5	6.4			
			LE	M_S=5.1		19.0	1.34	
			LZ	M_S=4.8		22.0	1.09	
SSE	47.5	41	eP	23 49 17.0	0.2			
			eS	23 56 11.0	−0.4			
			LE	M_S=4.8		16.0	0.49	
			LZ	M_S=4.5		16.0	0.45	
TIA	48.7	33	eP	23 49 25.5	−0.4			
BTO	48.9	23	−iP	23 49 27.4	−0.3			
			sP	23 49 40.0	4.6			
			eS	23 56 29.0	−2.2			
HHC	49.7	24	P	23 49 34.0	−0.1			
			S	23 56 41.0	−0.4			
			LN	M_S=4.9		16.0	0.53	
			LE			14.0	0.31	
BJI	51.1	29	eP	23 49 45.0	0.4			
			eS	23 57 00.0	−1.8			
			esS	23 57 16.0	5.5			
			LZ	M_S=4.7		16.0	0.59	
DL2	53.1	34	eP	23 50 00.0	0.6			
			eS	23 57 28.0	−0.7			
SNY	56.2	32	−P	23 50 21.0	−1.1			
			eS	23 58 08.5	−2.1			
CN2	58.6	32	+P	23 50 36.5	−2.3			
			sP	23 50 51.5	4.9			

JUN 21d 00h 07m 07.2±0.07s, SD1.21/63
1.46 N±1.17km, 126.38 E±2.13km, h46±0.11km
Molucca Passage (266)

m_b5.0 / 3,

QZN	23.8	318	eP	00 12 17.4	0.1			
QZH	24.5	343	eP	00 12 25.0	0.9			
WHN	31.1	340	eP	00 13 25.0	1.1			
NJ2	31.2	348	−P	00 13 27.6	2.4			
GYA	31.3	324	P	00 13 25.2	−0.3			
CD2	36.3	326	eP	00 14 06.7	−2.1			
XAN	36.3	335	P	00 14 07.5	−1.3			
DL2	37.5	354	eP	00 14 19.0	0.0			
TIY	38.3	342	−P	00 14 26.1	0.5			
BJI	39.5	348	eP	00 14 36.0	0.4			
SNY	40.3	357	eP	00 14 43.0	1.1			
MDJ	43.1	3	eP	00 15 06.0	1.1			
GTA	44.9	331	eP	00 15 19.0	−0.6			
			PMZ	m_b = 4.8		0.8	0.012	
WMQ	54.4	326	eP	00 16 32.0	−0.5			
			pP	00 16 45.5	1.2			

JUN 21d 00h 43m 48.4 ± 0.19s, SD2.10 / 31
9.97 S ± 2.05km, 116.24 E ± 2.48km, h62 ± 1.25km
South of Bali (284)

GYA	37.4	346	P	00 50 58.0	0.4			
XAN	44.3	351	eP	00 51 57.0	2.5			
GTA	51.4	344	eP	00 52 49.4	−0.8			
WMQ	59.5	336	P	00 53 46.5	−1.6			
KSH	61.8	325	eP	00 54 02.5	−1.6			

JUN 21d 14h 21m 56.0 ± 0.12s, SD2.88 / 12
39.00 N ± 1.53km, 90.84 E ± 1.00km, h5 ± km
Southern Xinjiang Province (321)
M_L4.2 / 10,

WMQ	5.4	335	ePn	14 23 21.5	4.5			
			SMN	M_L = 4.0		0.7	0.16	
			SME			1.0	0.18	
GTA	7.0	84	Pg	14 23 59.4	−0.1			
			SMN	M_L = 3.6		0.8	0.027	
			SME			0.8	0.029	

JUN 21d 15h 13m 32.5 ± 0.09s, SD2.56 / 9
40.85 N ± 0.81km, 79.80 E ± 0.73km, h22 ± 0.48km
Southern Xinjiang Province (321)
M_L3.7 / 7,

KSH	3.3	247	ePn	15 14 25.5	2.6			
			Sn	15 15 09.0	6.4			
			SMN	M_L = 3.9		0.5	0.50	
			SME			0.5	0.30	
WMQ	6.6	61	ePn	15 15 09.5	1.2			
			Sn	15 16 25.5	1.0			
			Sg	15 17 03.0	4.8			
			SMN	M_L = 3.4		1.0	0.020	

JUN 21d 20h 42m 24.3 ± 0.13s, SD1.75 / 34
21.99 S ± 2.18km, 170.05 E ± 2.32km, h33 ± 0.10km
Loyalty Islands region (189)

TIA	76.5	318	eP	20 54 12.0	−1.5			
CN2	77.2	329	eP	20 54 16.0	−1.4			
GYA	78.0	305	P	20 54 27.0	4.9			
BJI	79.5	321	eP	20 54 29.0	−1.3			
			eS	21 04 31.0	2.1			
TIY	80.4	317	eP	20 54 35.4	0.6			
KMI	80.4	302	+P	20 54 36.5	1.5			
XAN	80.5	313	−P	20 54 35.1	−0.5			
HHC	82.8	319	eP	20 54 46.8	−0.7			
LZH	85.1	312	eP	20 55 00.5	1.1			
GTA	89.6	313	eP	20 55 21.2	0.4			

JUN 21d 22h 13m 19.5 ± 0.05s, SD0.96 / 31
4.70 S ± 1.15km, 102.92 E ± 1.72km, h89 ± 0.48km

Southern Sumatera (274)
m_b4.8 / 1,

GYA	31.2	6	P	22 19 33.2	0.4			
CD2	35.4	1	−iP	22 20 08.9	−0.3			
XAN	38.9	8	P	22 20 38.5	−0.3			
TIY	43.1	11	eP	22 21 13.1	0.0			
GTA	44.0	357	+iP	22 21 20.2	0.0			
			PMZ	m_b = 4.8		0.6	0.0090	
HHC	46.0	9	P	22 21 37.5	1.1			
BJI	46.2	14	eP	22 21 38.0	0.6			
WMQ	50.2	346	P	22 22 09.3	0.4			
			PcP	22 23 27.5	1.2			
CN2	52.4	21	eP	22 22 24.0	−1.2			

JUN 21d 22h 43m 32.8 ± 0.14s, SD2.00 / 39
6.98 S ± 2.33km, 122.42 E ± 2.72km, h32 ± 0.53km
Flores Sea (279)
M_S4.6 / 1,

GYA	36.6	336	P	22 50 41.6	3.3			
WHN	38.1	349	eP	22 50 52.0	1.2			
NJ2	39.0	355	eP	22 50 58.4	0.4			
			eS	22 56 56.5	1.9			
			LZ	M_S = 4.2		18.0	0.30	
CD2	41.7	336	eP	22 51 20.4	−0.3			
XAN	42.7	343	eP	22 51 29.5	0.1			
TIY	45.4	349	eP	22 51 52.2	1.2			
			LE	M_S = 4.6		11.0	0.26	
			LZ	M_S = 4.3		20.0	0.38	
BJI	47.1	353	eP	22 52 03.5	−0.8			
GTA	50.7	337	eP	22 52 30.6	−1.3			
MDJ	51.8	7	eP	22 52 39.0	−0.9			
WMQ	59.5	331	eP	22 53 36.2	0.2			

JUN 21d 23h 51m 01.6 ± 0.07s, SD1.03 / 76
21.68 S ± 2.04km, 176.42 W ± 1.68km, h185 ± 0.90km
South of Fiji (171)
m_B5.7 / 7, m_b5.5 / 7,

QZH	78.3	303	P	24 02 43.0	−0.4			
			sP	24 03 49.0	1.9			
			S	24 12 20.0	−0.7			
GZH	81.6	299	eP	24 03 01.6	0.7			
			pP	24 03 46.0	0.8			
			sP	24 04 07.0	2.1			
			S	24 12 54.5	−0.4			
NJ2	81.8	309	−P	24 03 02.0	0.1			
			sP	24 04 05.0	−0.9			
MDJ	82.3	324	−P	24 03 04.0	−0.8			
			pP	24 03 47.0	−2.2			
			S	24 13 00.0	−2.5			
			SMN	m_B = 5.8		6.0	0.69	
QZN	82.7	294	eP	24 03 06.0	−0.6			
SNY	84.1	319	−P	24 03 13.0	−0.5			
			pP	24 03 56.8	−1.3			
			S	24 13 13.0	−6.7			
CN2	84.1	322	−iP	24 03 13.0	−0.9			
			PMZ	m_b = 6.0		2.5	0.60	
			sP	24 04 15.0	−3.0			
			PP	24 06 28.0	−3.1			
			S	24 13 17.0	−3.4			
			SMN	m_B = 5.6		5.0	0.30	
WHN	84.3	306	P	24 03 15.0	0.1			
			PMZ	m_b = 5.7		1.6	0.23	
			sP	24 04 20.0	1.0			
			PP	24 06 29.8	−2.9			
			eS	24 13 21.4	−2.6			
			sS	24 14 42.0	0.2			
TIA	85.2	312	eP	24 03 18.6	−0.5			
BJI	87.8	315	eP	24 03 31.5	−0.1			

			PMZ		$m_B = 5.7$		4.0	0.41
			epP	24	04 16.0	−0.5		
			eSKS	24	13 40.0	1.2		
			eS	24	13 54.0	−2.9		
GYA	88.5	299	P	24	03 35.8	0.5		
			PMZ		$m_B = 5.9$		4.0	0.60
			pP	24	04 23.6	3.6		
			sP	24	04 43.0	3.5		
			SKS	24	13 47.0	3.6		
			SME		$m_B = 5.9$		8.0	0.90
TIY	89.2	311	+P	24	03 38.5	0.2		
			pP	24	04 25.5	2.3		
XAN	90.0	307	P	24	03 42.0	−0.3		
HHC	91.2	314	P	24	03 48.2	0.2		
BTO	92.2	313	P	24	03 52.0	−0.3		
			pP	24	04 39.0	1.8		
			eSKS	24	14 06.0	1.1		
			S	24	14 34.0	−0.7		
CD2	92.7	302	eP	24	03 55.3	0.7		
LZH	94.7	307	eP	24	04 04.0	0.2		
GTA	98.9	309	eP	24	04 22.4	−0.5		

JUN 22d 03h 08m 13.2 ± 0.06s, SD1.28 / 41
37.73 N ± 1.99km, 141.22 E ± 1.07km, h47 ± 0.88km
Honshu (227)

DL2	15.4	280	eP	03	11 48.5	−0.8		
TIA	19.3	273	eP	03	12 38.6	1.4		
BJI	19.6	285	eP	03	12 41.0	0.4		
TIY	22.7	279	eP	03	13 11.9	−0.6		
			eS	03	17 20.0	6.8		
			LZ		$M_S = 4.1$		20.0	0.63
WHN	23.3	260	eP	03	13 18.5	0.5		
GYA	31.2	259	P	03	14 29.0	−1.6		
GTA	32.2	286	eP	03	14 38.6	−1.0		
WMQ	40.4	296	P	03	15 50.0	1.3		

JUN 22d 11h 06m 05.8 ± 0.11s, SD1.87 / 87
28.26 N ± 1.67km, 130.72 E ± 1.81km, h34 ± 0.45km
Ryukyu Islands (238)
M_S5.0 / 46, m_B5.4 / 8, m_b5.2 / 9,

SSE	8.8	291	P	11	08 12.0	−1.2		
			PMZ		$m_b = 5.4$		1.5	0.18
			sP	11	08 25.0	−0.3		
			LE		$M_S = 4.8$		11.0	5.48
NJ2	10.9	293	+P	11	08 43.4	0.1		
			pP	11	08 49.5	−0.8		
			sP	11	08 55.0	−0.3		
			S	11	10 45.0	−0.3		
			LN		$M_S = 5.0$		12.0	1.23
			LE				11.0	7.25
			LZ		$M_S = 4.9$		12.0	6.99
QZH	11.3	256	eP	11	08 47.0	−1.7		
			sS	11	11 08.0	1.6		
			LE		$M_S = 4.8$		10.0	3.40
DL2	13.0	327	eP	11	09 12.0	0.5		
			LN		$M_S = 4.8$		12.0	2.38
			LE				12.0	2.34
			LZ		$M_S = 4.5$		14.0	2.33
TIA	14.0	308	eP	11	09 23.7	0.0		
			sS	11	12 12.0	1.9		
WHN	14.5	283	P	11	09 35.8	5.7		
			PMZ		$m_b = 5.3$		1.0	0.060
			pP	11	09 41.0	3.6		
			S	11	12 16.4	6.8		
			LN		$M_S = 5.1$		13.0	3.61
			LE				13.0	5.03
			LZ		$M_S = 4.7$		12.0	2.77
SNY	14.7	339	+P	11	09 34.5	0.7		
			LN		$M_S = 4.9$		12.5	2.49
			LE				11.0	1.86
			LZ		$M_S = 4.8$		11.5	3.51
CN2	16.1	346	−P	11	09 52.5	1.3		
			PMZ		$m_b = 5.3$		2.0	0.30
			sP	11	10 00.0	−3.5		
			eS	11	12 50.0	1.8		
			SME		$m_B = 4.9$		5.0	0.30
			LN		$M_S = 4.9$		11.0	2.60
			LZ		$M_S = 5.0$		12.0	4.80
MDJ	16.4	357	eP	11	09 55.0	0.4		
			LN		$M_S = 4.6$		15.0	1.70
			LZ		$M_S = 4.6$		15.0	2.60
GZH	16.5	256	P	11	10 00.4	4.1		
			LE		$M_S = 5.2$		10.0	5.00
BJI	16.8	318	eP	11	10 00.5	0.3		
			PMZ		$m_B = 5.1$		8.0	0.80
			eS	11	13 08.0	3.2		
			LN		$M_S = 5.1$		13.0	3.46
			LE				13.0	2.81
TIY	18.0	306	−P	11	10 15.5	0.3		
			PMZ		$m_b = 5.2$		0.8	0.090
			pP	11	10 22.0	−0.8		
			LN		$M_S = 5.1$		10.0	1.79
			LE				10.0	2.62
			LZ		$M_S = 5.0$		14.0	5.24
XAN	19.5	293	+iP	11	10 31.5	−1.8		
			S	11	14 10.4	4.6		
			LN		$M_S = 5.1$		13.0	3.40
			LE				10.0	0.65
HHC	20.1	314	eP	11	10 38.0	−1.9		
			sP	11	10 50.5	−2.4		
			LN		$M_S = 5.0$		13.0	1.86
			LE				14.0	1.99
			LZ		$M_S = 4.8$		14.0	2.86
BTO	21.0	311	P	11	10 47.0	−2.0		
			sP	11	10 59.0	−3.1		
			eS	11	14 34.5	−1.8		
			LN		$M_S = 4.8$		14.0	0.70
			LE				14.0	1.80
QZN	21.2	249	P	11	10 51.7	0.8		
			S	11	14 39.0	−0.1		
			sS	11	14 58.5	4.5		
			LN		$M_S = 4.6$		12.0	0.94
GYA	21.4	271	−P	11	10 52.8	−0.7		
			S	11	14 48.0	4.3		
			LN		$M_S = 5.1$		12.0	2.40
			LE				12.0	1.20
			LZ		$M_S = 4.4$		16.0	1.20
CD2	23.6	283	P	11	11 12.8	−1.8		
			S	11	15 25.7	3.2		
			LN		$M_S = 5.4$		12.0	5.20
			LZ		$M_S = 5.1$		12.0	3.40
LZH	24.0	296	eP	11	11 18.0	−0.8		
			PMZ		$m_b = 5.0$		1.5	0.088
			pP	11	11 27.0	−0.7		
			sP	11	11 32.0	0.1		
			S	11	15 36.0	6.2		
			SME		$m_B = 5.6$		5.0	0.81
			sS	11	15 52.0	6.5		
			LE		$M_S = 5.1$		12.0	2.45
			LZ		$M_S = 5.1$		12.0	3.90
KMI	25.2	269	+P	11	11 31.0	0.8		
			pP	11	11 40.5	1.4		
			sP	11	11 46.0	2.8		
			S	11	15 53.0	3.4		
			LN		$M_S = 5.2$		17.0	4.20
			LZ		$M_S = 4.7$		15.0	1.60

GTA	27.9	302	P	11 11 52.6	−2.2			
			PMZ	$m_b = 5.0$		0.6	0.020	
			LE	$M_S = 5.3$		13.0	3.44	
			LZ	$M_S = 5.3$		14.0	5.86	
WMQ	37.6	306	eP	11 13 18.7	−1.2			
			pP	11 13 30.0	0.7			
			PP	11 14 47.0	−1.4			
			PcP	11 15 37.5	0.7			
			LN	$M_S = 5.2$		13.0	1.14	
			LE			13.0	1.33	
			LZ	$M_S = 5.0$		15.0	1.80	
KSH	46.2	299	eP	11 14 36.0	5.8			
			LN	$M_S = 5.5$		13.0	2.50	

JUN 22d 14h 10m 41.8 ± 0.02s, SD3.47 / 5
38.84 N ± 0.21km, 100.22 E ± 0.21km, h36 ± 0.24km
Qinghai Province (325)
M_L3.5 / 5,

GTA	0.7	331	+iPg	14 10 52.6	−2.4			
			SMN	$M_L = 3.4$		0.5	1.13	
			SME			0.5	1.83	

JUN 22d 15h 08m 46.0 ± 0.18s, SD1.60 / 36
6.69 S ± 2.29km, 81.57 W ± 2.31km, h30 ± 1.21km
Off coast of Northern Peru (108)

DL2	141.7	330	ePKP	15 28 14.0	−1.7
WMQ	141.8	13	ePKP	15 28 17.0	0.9
BJI	143.2	337	ePKP	15 28 17.0	−1.2
BTO	144.7	345	ePKP	15 28 19.0	−2.0
TIY	146.6	340	ePKP	15 28 24.4	0.1
GTA	147.4	358	−PKP	15 28 27.4	1.7
NJ2	148.4	326	ePKP	15 28 29.0	1.9
LZH	150.3	351	−PKP	15 28 36.0	5.6
XAN	151.1	342	ePKP	15 28 31.6	0.2
WHN	152.0	330	ePKP	15 28 35.0	2.4

JUN 22d 17h 17m 35.5 ± 0.02s, SD2.67 / 5
40.38 N ± 0.17km, 77.63 E ± 0.13km, h18 ± 0.08km
Southern Xinjiang Province (321)
M_L3.4 / 4,

KSH	1.6	237	ePg	17 18 03.5	−0.1			
			Sg	17 18 26.4	1.3			
			SMN	$M_L = 3.7$		0.2	0.80	
			SME			0.3	0.90	
WMQ	8.2	62	eP	17 19 37.3	0.0			

JUN 22d 19h 39m 32.9 ± 0.10s, SD2.66 / 5
23.12 N ± 0.74km, 106.03 E ± 0.67km, h15 ± 0.51km
Indo–Pacific Peninsula (299)
M_L3.4 / 3,

GYA	3.4	10	Pg	19 40 34.6	1.9			
			Sn	19 41 03.0	−4.2			
			Sg	19 41 16.6	−2.1			
			SMN	$M_L = 3.4$		0.8	0.14	
			SME			0.8	0.10	
KMI	3.6	304	ePg	19 40 36.0	−0.9			
			SMN	$M_L = 3.2$		1.0	0.050	
			SME			1.0	0.070	
QZN	5.4	138	ePg	19 41 08.0	−0.5			

JUN 22d 21h 14m 59.1 ± 0.08s, SD1.12 / 49
37.33 N ± 1.27km, 116.41 W ± 1.19km, h5 ± 0.12km
California–Nevada border region (40)
m_b5.3 / 2,

CN2	81.7	320	−P	21 27 20.4	−0.5
SNY	84.1	319	+P	21 27 33.6	0.5
DL2	87.2	318	eP	21 27 49.5	0.8
BJI	89.1	322	eP	21 27 58.0	0.2
HHC	90.7	326	eP	21 28 05.5	0.4
BTO	91.5	327	eP	21 28 10.2	1.0
TIA	91.6	319	eP	21 28 09.2	−0.1
TIY	92.8	323	eP	21 28 16.6	1.8
SSE	93.2	313	+P	21 28 17.4	0.7
			PMZ	$m_b = 5.5$	1.0 0.024
NJ2	93.8	316	eP	21 28 20.0	0.5
WHN	97.5	318	eP	21 28 34.0	−2.1

JUN 23d 00h 35m 41.3 ± 0.10s, SD1.09 / 47
17.15 S ± 2.31km, 172.56 W ± 1.98km, h34 ± 0.50km
Tonga (173)
m_B5.6 / 1,

MDJ	80.9	322	eP	00 47 53.0	−1.4		
CN2	82.9	320	+P	00 48 04.5	−0.4		
			PMZ	$m_B = 5.6$		4.0	0.30
			sP	00 48 18.9	0.1		
			PP	00 51 16.7	0.2		
			eS	00 58 19.4	−1.1		
DL2	83.0	314	eP	00 48 05.0	−0.1		
SNY	83.1	317	+P	00 48 05.6	−0.1		
WHN	84.7	304	eP	00 48 14.2	0.2		
TIA	84.9	310	eP	00 48 14.9	−0.2		
BJI	87.2	313	eP	00 48 26.0	−0.3		
			eS	00 59 02.0	−0.7		
TIY	89.0	310	−P	00 48 35.0	0.2		
			pP	00 48 47.0	2.3		
			S	00 59 17.0	−0.2		
			LZ	$M_S = 5.0$		20.0	0.63
GYA	89.6	298	+P	00 48 38.0	0.4		
			pP	00 48 49.2	1.8		
			S	00 59 20.0	−2.6		
XAN	90.3	306	+P	00 48 40.6	−0.3		
HHC	90.8	313	eP	00 48 43.5	0.1		
BTO	91.8	312	P	00 48 48.0	0.0		
			sP	00 49 00.0	−1.9		
			ePP	00 52 30.0	1.7		
			eSKS	00 59 16.0	1.1		
			S	00 59 45.0	2.6		
KMI	92.5	295	+P	00 48 52.0	0.7		
			pP	00 49 03.5	2.4		
			eSKS	00 59 22.0	3.0		
			eS	00 59 54.0	3.1		
			LZ	$M_S = 5.0$		20.0	0.60

JUN 23d 12h 00m 52.5 ± 0.07s, SD1.05 / 103
22.44 N ± 1.31km, 143.15 E ± 1.53km, h171 ± 0.25km
Marianas region (215)
m_B5.4 / 7, m_b5.6 / 19,

SSE	21.4	298	−P	12 05 27.0	−0.7		
			PMZ	$m_b = 5.6$		1.0	0.18
			pP	12 06 01.0	4.9		
			S	12 09 09.0	−0.2		
			ScP	12 12 45.0	0.2		
QZH	22.6	281	−iP	12 05 40.5	0.9		
			PMZ	$m_b = 6.1$		2.0	1.10
NJ2	23.6	299	−P	12 05 49.0	0.1		
			PMZ	$m_B = 5.5$		5.0	0.71
			pP	12 06 24.0	1.8		
			S	12 09 49.5	2.6		
			ScP	12 12 51.2	0.9		
DL2	24.6	317	eP	12 05 59.0	0.1		
			SMN	$m_B = 5.4$		6.0	0.56
			SME			6.0	0.83
SNY	25.4	324	−iP	12 06 05.0	−0.6		
			pP	12 06 40.0	0.3		
			eS	12 10 15.5	−1.8		
CN2	25.8	330	−P	12 06 09.4	−0.8		

			PcP	12 09 34.8	−0.1			
			eS	12 10 23.0	−2.5			
			ScS	12 16 44.0	−1.1			
TIA	26.4	307	−P	12 06 15.4	0.0			
			ScP	12 12 58.0	−0.4			
WHN	27.0	294	−P	12 06 20.0	−0.3			
			PMZ	m_b = 5.5		1.0	0.098	
			pP	12 06 57.2	2.3			
			sP	12 07 15.0	0.0			
			S	12 10 43.5	0.9			
			SME	m_B = 5.2		6.0	0.80	
			ScP	12 12 59.5	−0.4			
BJI	28.8	314	eP	12 06 35.5	−1.5			
			eS	12 11 10.0	−3.1			
			eScP	12 13 05.5	−0.2			
			ScS	12 16 58.0	−0.3			
TIY	30.5	307	−P	12 06 51.5	−0.2			
			pP	12 07 28.0	1.2			
			S	12 11 40.0	1.8			
QZN	31.3	270	eP	12 07 00.6	1.7			
XAN	32.1	299	−iP	12 07 05.6	−0.8			
HHC	32.3	312	−P	12 07 07.6	−0.3			
BTO	33.3	311	P	12 07 16.0	−0.2			
GYA	33.4	284	−P	12 07 17.0	−0.1			
			PMZ	m_b = 5.5		1.0	0.10	
			sP	12 08 17.6	5.1			
			S	12 12 23.0	−0.8			
			ScP	12 13 20.0	−0.9			
			ScS	12 17 19.0	−1.9			
CD2	36.0	292	−iP	12 07 39.5	−0.1			
			S	12 13 02.4	−2.3			
LZH	36.6	301	eP	12 07 45.0	0.4			
			PMZ	m_b = 4.8		1.5	0.034	
			pP	12 08 22.0	1.2			
			S	12 13 11.0	−2.6			
			SME	m_B = 5.4		4.0	0.40	
			sS	12 14 12.0	−6.1			
			ScS	12 17 39.0	0.5			
KMI	37.0	282	+P	12 07 49.0	1.4			
GTA	40.4	305	−iP	12 08 16.2	0.2			
			ScP	12 13 46.8	−0.2			
			S	12 14 09.0	−1.5			
LSA	46.9	290	−P	12 09 10.4	1.7			
WMQ	50.1	309	−iP	12 09 33.0	0.6			
			PMZ	m_b = 5.5		1.0	0.11	
			sP	12 10 29.5	0.0			
			PcP	12 10 48.5	−0.5			
			PP	12 11 32.0	1.8			
			ScP	12 14 28.0	1.3			
			S	12 16 28.7	0.4			
			SME			1.5	0.83	
			ScS	12 19 02.0	0.1			

JUN 23d 16h 37m 56.6 ± 0.27s, SD3.02 / 31
57.86 S ± 4.36km, 25.22 W ± 6.89km, h34 ± 1.02km
South Sandwich Islands region (153)

GTA	140.5	93	iPKP	16 57 17.8	−6.1
XAN	141.3	108	ePKP	16 57 18.9	−6.2
NJ2	144.5	121	−PKP	16 57 29.8	−0.7
			sPKP	16 57 44.2	−0.1
SSE	144.7	125	ePKP	16 57 30.0	−1.0
TIY	145.9	108	ePKP	16 57 33.4	0.3
BTO	146.8	102	ePKP	16 57 36.5	1.8
TIA	147.1	115	ePKP	16 57 36.6	1.6
BJI	149.6	109	ePKP	16 57 43.5	4.5
DL2	151.4	117	ePKP	16 57 47.5	5.7

JUN 24d 03h 09m 56.5 ± 0.09s, SD1.14 / 80
36.70 N ± 1.43km, 35.91 E ± 0.80km, h39 ± 0.38km
Turkey (366)
M_S4.9 / 4, m_b5.1 / 7,

KSH	31.4	72	eP	03 16 20.5	3.6		
			LN	M_S = 4.9		10.0	0.80
WMQ	39.6	63	P	03 17 28.0	1.5		
			PMZ	m_b = 5.1		1.0	0.030
			PP	03 19 00.0	−1.7		
			LZ	M_S = 4.4		16.0	0.40
GTA	49.4	66	−P	03 18 46.0	0.5		
			PMZ	m_b = 5.1		1.0	0.028
LZH	53.6	69	eP	03 19 17.0	0.2		
			PMZ	m_b = 5.4		1.5	0.070
			LZ	M_S = 5.3		16.0	2.10
CD2	55.6	75	P	03 19 31.5	0.1		
BTO	56.4	62	eP	03 19 38.0	0.8		
			pP	03 19 50.0	2.3		
			eS	03 27 28.0	4.2		
HHC	57.4	61	P	03 19 45.0	0.8		
KMI	57.5	81	+P	03 19 44.5	−0.2		
XAN	58.2	69	−P	03 19 49.3	−0.6		
TIY	59.3	64	eP	03 19 56.8	−0.4		
			ScS	03 29 37.5	−1.8		
			LE	M_S = 4.8		11.0	0.26
			LZ	M_S = 4.8		18.0	0.73
GYA	59.9	78	−P	03 20 01.0	−0.8		
BJI	60.9	60	eP	03 20 08.5	−0.1		
TIA	63.3	63	−P	03 20 23.7	−0.7		
WHN	63.9	70	eP	03 20 28.0	−0.3		
SNY	65.2	55	eP	03 20 35.7	−0.9		
DL2	65.2	59	eP	03 20 38.0	1.1		
QZN	66.2	83	eP	03 20 43.2	0.0		
			eS	03 29 29.5	1.4		
NJ2	66.5	67	+P	03 20 45.0	−0.3		
SSE	68.7	67	−P	03 20 59.0	−0.1		
			PMZ	m_b = 4.8		1.0	0.012

JUN 24d 07h 13m 26.8 ± 0.09s, SD1.07 / 24
3.81 N ± 0.90km, 126.37 E ± 1.60km, h114 ± 0.57km
Talaud Islands (263)

WHN	28.9	338	eP	07 19 16.5	−1.1
XAN	34.2	334	−P	07 20 02.5	−1.2
DL2	35.2	354	eP	07 20 13.0	0.8
TIY	36.1	341	eP	07 20 18.5	−1.2
BJI	37.2	347	eP	07 20 29.0	−0.3
SNY	37.9	357	+P	07 20 36.0	0.8

JUN 24d 12h 58m 39.0 ± 0.23s, SD1.68 / 60
28.32 S ± 2.60km, 66.31 W ± 3.70km, h21 ± 1.31km
Catamarca Province, Argentina (130)

KSH	146.9	60	PKP	13 18 21.5	2.1
WMQ	154.1	46	PKP	13 18 31.0	0.9
			pPKP	13 18 39.5	3.8
			PKP2	13 18 52.0	−0.8
CN2	161.9	332	ePKP	13 18 38.5	−1.0
			PKP2	13 19 24.6	−1.8
			pPKP2	13 19 30.4	
GTA	164.0	43	iPKP	13 18 43.2	1.4
HHC	167.4	7	−PKP	13 18 46.0	1.4
BTO	167.4	13	ePKP	13 18 45.7	1.1
BJI	168.1	351	ePKP	13 18 45.0	0.1
			ePP	13 23 39.5	−3.9
LZH	168.6	45	ePKP	13 18 46.5	1.1
TIY	170.6	6	ePKP	13 18 47.5	1.1
TIA	171.6	341	PKP	13 18 47.6	0.6
SSE	172.9	295	+PKP	13 18 48.0	0.3
			pPKP	13 18 56.2	2.9
XAN	173.0	34	PKP	13 18 48.5	0.7

GYA	173.5	105	PKP	13	18	48.6	0.6	
			pPKP	13	18	57.2	3.7	
WHN	177.7	346	ePKP	13	18	47.5	−1.4	
			pPKP	13	18	57.5	3.0	
			PKP2	13	20	35.0	−1.0	

JUN 24d 14h 03m 55.5 ± 0.11s, SD1.21 / 71
5.66 N ± 1.07km, 125.04 E ± 1.82km, h63 ± 0.75km
Mindanao (259)
M_S4.5 / 5, m_B5.0 / 1, m_b5.0 / 6,

QZN	19.9	313	eP	14	08	23.0	−1.7	
			eS	14	12	06.0	6.2	
QZH	20.1	343	eP	14	08	27.0	−0.3	
			sS	14	12	24.0	−0.5	
			SME		m_B = 5.0		10.0	0.50
			LE		M_S = 4.5		20.0	1.30
			LZ		M_S = 4.3		20.0	1.30
GZH	20.7	328	eP	14	08	31.0	−1.7	
SSE	25.6	352	+P	14	09	20.5	0.0	
			PMZ		m_b = 4.9		1.0	0.035
			LN		M_S = 4.1		12.0	0.20
			LZ		M_S = 3.9		20.0	0.37
WHN	26.7	339	P	14	09	32.0	0.8	
			PMZ		m_b = 5.3		1.0	0.080
			S	14	14	03.0	3.9	
			LZ		M_S = 4.2		20.0	0.63
NJ2	26.9	348	+P	14	09	32.4	−0.3	
			LZ		M_S = 4.2		20.0	0.60
GYA	27.1	322	P	14	09	35.4	0.4	
			S	14	14	12.0	6.3	
			LZ		M_S = 4.3		15.0	0.60
KMI	28.8	314	−P	14	09	51.5	0.9	
			eS	14	14	36.0	1.6	
			LZ		M_S = 4.5		16.0	0.90
TIA	31.3	348	+P	14	10	10.4	−1.5	
XAN	31.9	334	+iP	14	10	17.7	−0.3	
CD2	32.1	324	P	14	10	18.2	−1.1	
DL2	33.2	355	eP	14	10	29.0	−0.1	
TIY	33.9	342	eP	14	10	34.5	−0.5	
			eS	14	15	56.5	2.7	
			LE		M_S = 4.5		15.0	0.46
			LZ		M_S = 4.5		23.0	0.93
BJI	35.1	348	+P	14	10	45.0	−0.4	
			LZ		M_S = 4.1		22.0	0.37
LZH	36.0	330	−P	14	10	54.0	1.1	
			PMZ				3.0	0.40
SNY	36.0	358	+P	14	10	52.0	−1.0	
HHC	37.1	343	eP	14	11	02.0	0.2	
			S	14	16	42.0	0.8	
			LZ		M_S = 4.4		25.0	0.70
BTO	37.3	341	eP	14	11	03.4	−0.4	
CN2	38.0	0	eP	14	11	09.0	−0.4	
			PP	14	12	42.8	3.5	
			eS	14	16	58.0	1.7	
			LZ		M_S = 4.4		22.0	0.70
MDJ	39.0	5	eP	14	11	18.4	0.5	
GTA	40.6	330	+P	14	11	31.8	0.7	
			PMZ		m_b = 5.1		1.4	0.040
			LZ		M_S = 4.5		18.0	0.59
WMQ	50.2	325	P	14	12	47.0	−0.4	
			PcP	14	14	08.0	3.0	
			eS	14	19	56.0	2.9	
			LZ		M_S = 4.6		24.0	0.67

JUN 24d 15h 01m 26.1 ± 0.06s, SD0.88 / 23
37.10 N ± 0.78km, 28.02 E ± 0.57km, h32 ± 0.18km
Dodecanese Islands (369)

WMQ	45.1	62	P	15	09	41.5	0.3	

GTA	55.0	64	eP	15	10	57.0	−0.5	
TIY	64.7	61	eP	15	12	04.3	0.5	
GYA	66.0	74	P	15	12	11.4	−0.7	
BJI	66.1	57	eP	15	12	13.0	0.0	

JUN 24d 15h 02m 07.4 ± 0.13s, SD2.07 / 44
1.95 N ± 3.50km, 79.13 W ± 3.62km, h26 ± 0.74km
Near coast of Ecuador (105)

KSH	132.8	26	ePKP	15	21	24.0	2.3	
WMQ	132.9	13	ePKP	15	21	22.0	0.1	
			esPKP	15	21	35.0	2.7	
			ePP	15	23	53.5	3.6	
GTA	138.8	1	ePKP	15	21	33.4	0.6	
TIY	139.1	346	ePKP	15	21	31.5	−1.8	
NJ2	142.1	335	ePKP	15	21	35.0	−3.5	
XAN	143.4	349	PKP	15	21	37.2	−3.5	
WHN	145.2	339	ePKP	15	21	43.0	−0.9	
			pPKP	15	21	51.5	0.3	
CD2	147.2	355	−iPKP	15	21	50.6	3.3	
KMI	153.0	356	−PKP	15	21	58.0	1.6	

JUN 24d 15h 12m 32.6 ± 0.11s, SD1.76 / 31
26.64 N ± 2.11km, 142.58 E ± 2.48km, h36 ± 0.66km
Bonin Islands region (212)

SNY	21.8	319	eP	15	17	23.8	0.7	
CN2	22.0	325	eP	15	17	25.0	−1.0	
			eS	15	21	20.0	−2.1	
			LZ		M_S = 4.0		20.0	0.50
TIA	23.7	300	eP	15	17	41.1	−0.9	
WHN	25.1	286	eP	15	17	55.5	0.0	
XAN	29.9	292	P	15	18	37.5	−1.9	
GYA	32.1	278	P	15	19	03.0	4.1	
KMI	35.8	277	eP	15	19	31.5	0.6	
GTA	37.7	301	eP	15	19	46.0	−1.2	
WMQ	47.1	306	eP	15	21	02.0	−1.7	
			sP	15	21	22.0	4.3	
			eS	15	27	46.0	−6.9	
			sS	15	28	04.0	−5.4	
			LZ		M_S = 4.4		16.0	0.33

JUN 25d 00h 36m 22.8 ± 0.14s, SD1.15 / 39
52.17 N ± 3.89km, 170.54 W ± 1.67km, h17 ± 1.78km
Fox Islands (9)
m_b5.1 / 1,

CN2	42.4	285	eP	00	44	18.0	−0.4	
BJI	50.1	287	eP	00	45	19.5	−0.4	
SSE	53.1	275	−P	00	45	43.0	0.8	
			PMZ		m_b = 5.1		1.2	0.034
			sP	00	45	56.7	4.8	
NJ2	53.9	277	−P	00	45	47.4	−0.4	
TIY	53.9	287	eP	00	45	48.7	0.7	
WHN	57.7	279	eP	00	46	15.0	−0.2	
XAN	58.5	286	−P	00	46	20.7	−0.2	
QZH	59.1	272	+P	00	46	26.0	0.7	
GTA	59.9	296	P	00	46	30.2	−1.0	
CD2	63.7	287	eP	00	46	57.0	0.3	
GYA	65.3	282	P	00	47	06.8	0.1	

JUN 25d 01h 52m 23.0 ± 0.10s, SD2.08 / 58
36.91 N ± 2.85km, 142.07 E ± 2.22km, h49 ± 1.98km
Near east coast of Honshu (228)
M_S4.3 / 5,

MDJ	12.2	313	eP	01	55	19.7	3.0	
CN2	14.4	304	eP	01	55	48.0	2.0	
SNY	15.1	295	eP	01	55	58.0	2.8	
DL2	16.3	283	eP	01	56	13.0	3.3	
SSE	18.2	258	eP	01	56	29.5	−5.0	
			LN		M_S = 4.3		12.0	0.25

			LE			12.0	0.53
			LZ		M_S=3.8	20.0	0.47
NJ2	19.7	263	−P	01 56 51.0	−0.5		
			LZ		M_S=3.8	16.0	0.29
TIA	20.0	276	eP	01 56 53.6	−1.3		
BJI	20.5	287	P	01 56 56.5	−3.1		
			LN		M_S=4.3	12.0	0.34
			LE			10.0	0.31
			LZ		M_S=4.2	12.0	0.60
QZH	23.3	246	+P	01 57 28.0	0.0		
TIY	23.5	281	eP	01 57 30.0	−0.1		
			eS	02 01 34.0	−3.1		
			LE		M_S=4.3	12.0	0.43
			LZ		M_S=4.5	13.0	0.96
WHN	23.9	263	eP	01 57 34.0	0.9		
XAN	27.1	274	P	01 58 03.6	0.2		
LZH	30.6	280	eP	01 58 35.0	−0.2		
GYA	31.7	261	P	01 58 45.0	0.1		
CD2	32.2	271	eP	01 58 49.2	0.1		
GTA	33.1	287	eP	01 58 58.0	1.0		
WMQ	41.4	297	P	02 00 07.5	1.1		

JUN 25d 06h 22m 37.5±0.09s, SD0.96/53
12.53 N±1.36km, 143.48 E±1.26km, h19±0.04km
South of the Marianas (210)
M_S4.3/2, m_b4.9/2,

SSE	27.6	315	eP	06 28 27.2	0.6		
			esS	06 33 20.0	2.6		
			SS	06 34 29.0	4.6		
			LZ		M_S=4.1	20.0	0.47
DL2	32.7	327	eP	06 29 11.5	0.4		
CN2	34.8	337	eP	06 29 29.2	−0.6		
			LZ		M_S=4.3	18.0	0.50
BJI	36.5	324	eP	06 29 43.5	−0.2		
GYA	37.2	297	P	06 29 51.0	0.7		
			PcP	06 32 10.0	0.5		
TIY	37.4	318	+P	06 29 52.2	0.8		
			S	06 35 42.5	5.2		
			sS	06 35 53.0	3.3		
			LN		M_S=4.4	12.0	0.22
			LZ		M_S=4.5	20.0	0.75
XAN	38.0	310	−P	06 29 56.5	−0.3		
KMI	40.4	294	−P	06 30 17.5	0.7		
BTO	40.5	320	eP	06 30 18.0	0.1		
CD2	40.9	303	P	06 30 20.8	−0.1		
LZH	42.7	310	eP	06 30 35.0	−0.3		
			PMZ		m_b=5.1	1.5	0.044
			LZ		M_S=4.4	18.0	0.50
GTA	46.9	313	−iP	06 31 09.4	0.2		
			PMZ		m_b=4.8	1.0	0.013
WMQ	56.9	314	P	06 32 24.0	−0.4		
			pP	06 32 32.0	0.7		
			PcP	06 33 18.5	−0.2		
			eS	06 40 18.0	2.2		
KSH	64.9	308	eP	06 33 19.0	0.5		

JUN 25d 06h 35m 53.5±0.10s, SD1.42/29
18.70 S±1.77km, 178.19 W±0.47km, h484±1.25km
Fiji region (181)

NJ2	78.6	310	+P	06 47 07.5	1.3		
MDJ	78.9	325	eP	06 47 08.5	0.4		
CN2	80.8	322	eP	06 47 17.4	−0.2		
BJI	84.5	315	eP	06 47 37.0	0.7		
TIY	85.9	312	eP	06 47 45.2	1.8		
XAN	86.9	307	P	06 47 50.0	2.0		

JUN 25d 07h 37m 59.7±0.09s, SD2.70/8
41.58 N±1.07km, 79.49 E±1.27km, h36±0.28km
Kirgiziya–Xinjiang border region (320)
M_L3.5/5,

KSH	3.4	234	ePg	07 39 01.9	1.4		
			eSg	07 39 50.0	2.8		
			SMN		M_L=3.5	0.7	0.10
			SME			0.5	0.20
WMQ	6.4	67	ePn	07 39 34.7	2.1		
			Sn	07 40 46.0	−0.5		
			Sg	07 41 18.5	−3.5		
			SMN		M_L=3.6	0.8	0.030
			SME			0.8	0.040

JUN 25d 09h 10m 45.2±0.07s, SD1.39/45
46.88 N±2.91km, 153.23 E±2.48km, h22±1.16km
Kurile Islands (221)
m_b5.1/2,

MDJ	16.6	271	eP	09 14 40.5	1.4		
CN2	19.7	271	eP	09 15 17.0	0.4		
			eS	09 18 51.0	−1.8		
			LZ		M_S=4.1	16.0	0.60
SNY	21.7	267	eP	09 15 36.6	−0.7		
DL2	24.4	262	eP	09 16 04.0	0.8		
BJI	27.6	269	eP	09 16 34.0	0.9		
			LZ		M_S=4.0	16.0	0.29
NJ2	30.1	253	+P	09 16 55.2	−0.8		
HHC	30.4	274	−P	09 16 58.8	0.4		
TIY	31.2	268	−P	09 17 06.8	0.8		
			eS	09 22 09.0	−1.3		
			PcS	09 23 46.0	3.3		
BTO	31.5	274	eP	09 17 08.8	0.1		
WHN	34.0	255	eP	09 17 28.6	−1.7		
			pP	09 17 38.3	0.6		
			S	09 22 50.6	−2.4		
XAN	35.6	265	P	09 17 48.5	4.6		
LZH	38.0	272	−P	09 18 04.5	0.7		
			PMZ		m_b=5.3	1.0	0.057
GTA	39.0	279	−iP	09 18 14.0	1.3		
			PMZ		m_b=4.8	1.2	0.020
GYA	41.8	257	P	09 18 35.0	−0.7		
KMI	45.3	259	−P	09 19 04.5	0.1		

JUN 25d 09h 17m 38.6±0.12s, SD2.67/10
30.95 N±1.06km, 100.99 E±1.02km, h11±0.38km
Sichuan Province (307)
M_L3.5/5, m_b4.5/1,

CD2	2.4	90	Pg	09 18 22.0	1.3		
			Sg	09 18 54.6	1.5		
			SMN		M_L=3.6	0.6	0.18
			SME			1.2	0.49
LZH	5.7	24	−Pn	09 19 04.5	1.5		
			PMZ		m_b=4.5	1.0	0.057
KMI	6.0	165	−Pn	09 19 04.5	−3.5		

JUN 25d 12h 30m 05.4±0.13s, SD1.62/62
6.11 S±1.45km, 149.08 E±2.02km, h74±1.83km
New Britain region (192)
M_S4.9/2, m_b5.2/3,

QZH	42.8	317	eP	12 37 59.5	1.5		
SSE	45.6	326	+P	12 38 22.0	1.6		
			PMZ		m_b=5.1	0.8	0.019
			pP	12 38 40.0	1.7		
			esS	12 45 29.0	1.0		
			LZ		M_S=4.4	20.0	0.47
NJ2	47.6	325	eP	12 38 36.5	0.1		
			LZ		M_S=4.6	25.0	0.90
WHN	49.3	320	eP	12 38 50.8	1.2		
DL2	51.5	333	eP	12 39 07.0	0.9		
TIA	51.7	327	eP	12 39 05.6	−1.8		

SNY	53.1	336	eP	12 39 18.5	0.6			
MDJ	53.4	343	eP	12 39 21.7	1.1			
CN2	54.1	339	eP	12 39 28.0	2.8			
BJI	55.0	329	eP	12 39 32.5	0.4			
XAN	55.1	319	P	12 39 30.8	−1.9			
TIY	55.4	325	eP	12 39 32.5	−2.2			
			S	12 47 13.5	2.8			
			LZ	M_S=4.9		26.0	1.42	
CD2	56.8	313	eP	12 39 45.3	0.0			
BTO	58.7	326	eP	12 39 57.5	−0.8			
LZH	59.7	318	eP	12 40 06.5	1.5			
			PMZ	m_b=5.2		1.5	0.048	
			LZ	M_S=4.8		24.0	0.80	
GTA	64.2	319	eP	12 40 33.2	−1.9			

JUN 25d 20h 37m 31.6 ± 0.22s, SD2.41 / 94
1.13 N ± 4.14km, 79.75 W ± 4.27km, h19 ± 1.47km
Near coast of Ecuador (105)
M_S6.4 / 35, m_B6.1 / 13,

MDJ	127.5	334	PKP	20 56 42.0	5.4			
			ePP	20 58 41.0	1.2			
			LZ	M_S=6.2		22.0	5.91	
CN2	129.9	336	PKP	20 56 40.0	−1.2			
			sPKP	20 56 50.0	1.1			
			LN	M_S=6.1		16.0	1.80	
			LZ	M_S=6.3		22.0	6.00	
SNY	132.3	336	+PKP	20 56 44.0	−1.8			
			PP	20 59 11.0	−0.3			
			LZ	M_S=6.0		30.0	4.18	
KSH	133.8	26	PKP	20 56 51.0	2.2			
			PP	20 59 23.0	1.8			
			LE	M_S=6.4		16.0	3.60	
WMQ	133.9	13	PKP	20 56 50.0	1.2			
			sPKP	20 56 57.0	0.6			
			PP	20 59 20.0	−1.6			
			SS	21 17 04.0	−0.9			
			LN	M_S=6.3		18.0	2.91	
			LE			18.0	2.17	
			LZ	M_S=6.1		24.0	4.57	
DL2	135.6	336	ePKP	20 56 52.0	0.2			
			ePP	20 59 28.0	−3.9			
			SKP	21 00 24.0				
			SKKS	21 06 16.0	−4.4			
			SS	21 17 20.0	−5.0			
			LN	M_S=6.3		20.0	2.96	
			LE			18.0	2.65	
			LZ	M_S=6.0		22.0	2.71	
BJI	136.5	342	ePKP	20 56 52.5	−1.1			
			PP	20 59 32.0	−5.4			
			PKS	21 00 28.0	0.9			
			LN	M_S=6.3		18.0	3.51	
			LZ	M_S=6.3		19.0	5.69	
HHC	137.0	347	PKP	20 56 55.0	0.4			
			PP	20 59 40.0	−0.2			
			PKS	21 00 28.0	0.1			
			eSKS	21 04 05.5	5.5			
			SS	21 17 39.0	−2.7			
			LN	M_S=6.4		18.0	4.00	
			LE			15.0	1.20	
			LZ	M_S=6.2		32.0	6.30	
BTO	137.5	349	ePKP	20 56 55.0	−0.6			
			PP	20 59 48.0	3.8			
			SS	21 17 46.0	−2.5			
			LN	M_S=6.6		20.0	6.60	
			LE			17.0	2.00	
TIA	139.7	339	ePKP	20 56 56.1	−3.3			
			PKS	21 00 35.0	2.4			
TIY	139.7	345	ePKP	20 56 56.5	−3.1			
			sPKP	20 57 12.0	4.9			
			PPMZ	m_B=6.1		8.0	0.95	
			LN	M_S=6.5		20.0	5.68	
			LZ	M_S=6.4		20.0	7.01	
SSE	142.3	330	PKP	20 57 00.0	−3.9			
			sPKP	20 57 12.3	0.8			
			PP	21 00 16.0	2.9			
			PPMZ	m_B=6.1		8.0	0.92	
			eSKS	21 04 06.0	−2.7			
			LN	M_S=6.7		20.0	8.96	
			LE			20.0	1.87	
			LZ	M_S=6.3		20.0	4.66	
NJ2	142.6	334	−PKP	20 57 00.0	−4.5			
			sPKP	20 57 16.0	3.9			
			PP	21 00 14.0	−1.0			
			PPMZ	m_B=6.2		8.0	1.11	
LZH	142.8	355	ePKP	20 57 02.0	−3.1			
			PP	21 00 11.0	−5.4			
			PPMZ			16.0	7.57	
			LN	M_S=6.4		18.0	4.30	
			LZ	M_S=6.5		20.0	7.37	
XAN	144.1	348	PKP	20 57 06.0	−1.1			
			LN	M_S=6.6		22.0	6.25	
			LE			20.0	3.52	
WHN	145.8	338	PKP	20 57 10.0	0.0			
			pPKP	20 57 19.0	3.8			
			PPMZ	m_B=6.1		10.0	1.21	
			LN	M_S=6.5		22.0	4.10	
			LE			18.0	3.58	
			LZ	M_S=6.4		20.0	6.27	
CD2	148.0	354	ePKP	20 57 16.0	2.3			
			LN	M_S=6.3		16.0	2.80	
			LZ	M_S=6.3		18.0	3.90	
LSA	148.1	15	PKP	20 57 17.6	3.2			
			LN	M_S=6.1		19.0	2.28	
QZH	148.6	327	+PKP	20 57 16.0	1.4			
			PPMZ	m_B=6.2		8.0	1.30	
			SKKS	21 07 38.0	1.5			
			LN	M_S=6.4		18.0	3.40	
			LE			21.0	2.90	
GYA	151.9	348	PKP	20 57 21.0	1.1			
			PP	21 01 06.0	−2.8			
			SKKS	21 07 55.0	0.7			
			SS	21 20 28.0	−3.6			
			LN	M_S=6.5		20.0	4.40	
			LE			20.0	2.90	
			LZ	M_S=6.2		22.0	4.10	
GZH	152.8	333	ePKP	20 57 22.0	1.0			
			iPKP2	20 57 34.0	−6.1			
			LZ	M_S=6.3		20.0	4.21	
			LE	M_S=6.4		18.0	3.72	
KMI	153.8	355	+PKP	20 57 24.5	1.8			
			pPKP	20 57 32.0	4.3			
			PP	21 01 16.5	−3.8			
			SKKS	21 08 07.5	2.7			
			SS	21 20 47.0	−5.6			
			LE	M_S=6.3		22.0	3.80	
			LZ	M_S=6.6		20.0	7.70	
QZN	157.9	335	ePKP	20 57 26.0	−1.9			
			pPKP	20 57 37.0	3.9			
			PP	21 01 40.5	−2.2			
			SKKS	21 08 32.0	4.8			
			LN	M_S=6.5		21.0	4.24	
			LE			19.0	3.31	

JUN 26d 03h 27m 06.0 ± 0.14s, SD1.22 / 93
19.85 N ± 3.07km, 155.24 W ± 2.29km, h6 ± 0.20km
Hawaiian Islands (613)

M_S6.2 / 47, m_B6.4 / 25, m_b5.6 / 12,								
MDJ	65.9	311	+P	03	37	56.0	0.5	
			epP	03	38	00.0	−0.5	
			S	03	46	42.0	1.2	
			LN			M_S = 6.2	16.0	7.07
			LZ			M_S = 6.2	34.0	27.0
CN2	68.9	310	+P	03	38	13.0	−1.8	
			PMZ			m_B = 6.2	5.0	1.30
			sP	03	38	22.0	−0.2	
			PP	03	40	50.0	1.5	
			eS	03	47	20.0	1.2	
			SMN			m_B = 6.2	10.0	1.60
			SME				10.0	1.20
			LN			M_S = 6.1	18.0	6.80
			LZ			M_S = 6.3	28.0	25.8
DL2	72.6	306	P	03	38	37.0	0.1	
			PMZ			m_b = 5.8	1.3	0.14
			SMN			m_B = 6.8	12.0	6.46
			SME				12.0	5.70
			LE			M_S = 6.2	16.0	6.30
			LZ			M_S = 6.1	38.0	18.2
SSE	74.7	298	+P	03	38	48.0	−1.1	
			PMZ			m_B = 6.2	4.0	1.00
			pP	03	38	58.2	4.2	
			PP	03	41	40.0	2.6	
			PcP	03	39	04.0	1.3	
			eS	03	48	22.0	−3.0	
			sS	03	48	32.0	−1.0	
			SKS	03	48	48.0	−4.2	
			SS	03	53	12.0	−0.8	
			LE			M_S = 6.3	21.0	9.70
			LZ			M_S = 6.0	24.0	10.6
NJ2	76.4	299	+P	03	38	58.5	−0.3	
			PMZ			m_b = 5.5	1.0	0.050
			PMZ			m_B = 6.1	6.0	1.40
			sP	03	39	08.4	2.3	
			S	03	48	40.0	−2.1	
			LN			M_S = 6.2	18.0	3.30
			LE				17.0	5.70
			LZ			M_S = 6.1	24.0	10.8
BJI	76.5	308	eP	03	38	59.0	−0.2	
			PMZ				14.0	4.10
			eS	03	48	50.0	5.6	
			LN			M_S = 5.8	13.0	1.92
			LZ			M_S = 6.2	36.0	20.6
TIA	76.7	304	eP	03	39	00.0	−0.6	
			LN			M_S = 6.1	14.0	3.08
			LE				14.0	2.73
			LZ			M_S = 6.1	43.0	22.6
QZH	78.5	292	+P	03	39	10.5	−0.2	
			PMZ			m_B = 6.5	4.0	1.90
			SMN			m_B = 6.5	12.0	4.70
			LN			M_S = 6.3	20.0	4.70
			LE				20.0	7.10
			LZ			M_S = 6.0	40.0	13.1
HHC	79.6	310	P	03	39	16.4	−0.4	
			S	03	49	15.0	−1.8	
			SMN			m_B = 6.5	11.0	1.83
			SME				10.0	3.93
			SKS	03	49	30.0	2.3	
			LN			M_S = 6.3	14.0	4.62
			LE				20.0	6.55
			LZ			M_S = 6.3	40.0	26.6
TIY	79.9	306	+P	03	39	18.0	−0.2	
			PMZ				15.0	4.73
			S	03	49	23.0	3.3	
			sS	03	49	34.0	4.6	
			LN			M_S = 6.0	13.0	2.92
			LZ			M_S = 6.1	40.0	17.1
WHN	80.5	299	P	03	39	21.0	−0.4	
			PMZ			m_b = 5.7	1.4	0.12
			PMZ			m_B = 6.4	5.0	1.79
			sP	03	39	32.0	3.3	
			iS	03	49	32.0	4.3	
			SMN			m_B = 6.9	12.0	7.59
			SME				12.0	7.34
			SKS	03	49	35.0	0.9	
			LN			M_S = 6.2	20.0	3.77
			LE				18.0	5.38
			LZ			M_S = 6.1	24.0	10.9
BTO	80.8	310	+iP	03	39	23.5	0.3	
			sP	03	39	28.0	−2.3	
			PP	03	42	31.5	3.1	
			S	03	49	32.0	2.8	
			sS	03	49	40.0	1.0	
			SS	03	54	49.0	3.3	
			LN			M_S = 6.2	15.0	3.20
			LE				15.0	3.90
GZH	83.7	292	+P	03	39	38.0	0.2	
			sP	03	39	42.0	−3.1	
			LZ			M_S = 6.0	14.0	4.20
XAN	83.8	304	P	03	39	37.8	−0.6	
LZH	86.9	307	eP	03	39	53.0	−1.2	
			PMZ			m_b = 5.7	2.5	0.16
			PMZ			m_B = 6.5	4.0	1.63
			pP	03	39	59.0	0.1	
			sP	03	40	04.0	2.7	
			PP	03	43	22.0	3.6	
			S	03	50	36.0	5.9	
			sS	03	50	46.0	6.1	
			SME				20.0	13.0
			LE			M_S = 6.3	17.0	5.95
QZN	88.1	289	eP	03	40	00.5	0.8	
			PP	03	43	31.5	3.7	
			S	03	50	41.0	−0.2	
			SS	03	56	37.0	4.1	
			LE			M_S = 6.1	20.0	4.37
GYA	88.2	297	−P	03	40	00.6	0.1	
			sP	03	40	13.0	5.4	
			PP	03	43	34.0	5.1	
			SKS	03	50	30.0	3.9	
			SMN			m_B = 6.5	9.0	2.20
			SME				9.0	2.70
			LN			M_S = 6.4	20.0	7.90
			LE				20.0	5.50
			LZ			M_S = 6.0	32.0	9.40
GTA	88.5	312	+P	03	40	02.0	0.0	
			PMZ			m_b = 5.6	1.2	0.052
			sP	03	40	14.5	5.4	
			PP	03	43	37.0	5.7	
			SKS	03	50	29.0	1.0	
			LN			M_S = 6.2	16.0	5.09
			LZ			M_S = 6.2	22.0	9.27
CD2	89.0	302	eP	03	40	04.0	0.1	
			sP	03	40	16.0	4.9	
			SKS	03	50	34.8	4.2	
			S	03	50	45.0	−4.1	
			sS	03	51	05.0	6.1	
			LN			M_S = 6.4	16.0	7.16
KMI	92.0	297	+P	03	40	18.0	−0.2	
			sP	03	40	25.5	0.2	
			LN			M_S = 6.1	20.0	4.90
			LZ			M_S = 6.3	30.0	18.2
KSH	104.0	322	eP	03	41	15.0	2.4	
			PP	03	45	30.0	−1.3	
			LE			M_S = 6.6	17.0	10.2

		LZ	$M_S=6.4$		24.0		13.9	

JUN 26d 05h 01m 43.0±0.12s, SD4.40/6
40.67 N±1.21km, 77.10 E±1.02km, h1±0.52km
Kirgiziya–Xinjiang border region (320)
M_L3.9/5,

KSH	1.5	218	Pg	05 02 07.4	−1.6			
			Sg	05 02 27.5	−1.3			
			SMN	$M_L=3.9$		0.3	1.40	
			SME			0.5	2.20	

JUN 26d 10h 38m 38.9±0.13s, SD1.38/65
39.19 N±2.84km, 28.33 W±1.91km, h12±0.32km
Azores (405)
M_S6.2/28, m_B6.0/3, m_b5.7/4,

KSH	75.5	51	P	10 50 27.0	1.3			
			esP	10 50 35.0	0.9			
			ePP	10 53 14.0	−1.7			
			eS	11 00 12.0	6.9			
			LE	$M_S=6.3$		15.0	7.80	
WMQ	79.2	41	P	10 50 46.5	0.1			
			PMZ	$m_b=5.5$		2.0	0.10	
			SME	$m_B=5.8$		6.0	0.50	
			LN	$M_S=6.7$		16.0	13.0	
			LE			17.0	15.8	
			LZ	$M_S=6.4$		18.0	18.2	
GTA	88.5	38	P	10 51 33.0	−0.7			
			SKS	11 02 04.0	5.1			
			LE	$M_S=6.2$		15.0	4.07	
			LZ	$M_S=6.1$		16.0	5.54	
LSA	91.3	49	eP	10 51 47.9	0.8			
BTO	92.0	30	P	10 51 51.0	1.2			
			pP	10 51 55.0	−0.5			
			PP	10 55 35.0	4.5			
			eSKS	11 02 18.0	−1.4			
			S	11 02 45.0	−2.3			
			LN	$M_S=6.3$		20.0	5.80	
			LE			17.0	3.10	
HHC	92.3	29	eP	10 51 52.0	0.4			
			S	11 02 55.0	4.4			
			LN	$M_S=6.4$		16.0	4.20	
			LE			16.0	4.80	
LZH	93.1	37	eP	10 51 55.0	0.0			
			PMZ	$m_b=5.9$		2.5	0.16	
			PMZ	$m_B=6.0$		5.0	0.41	
			PP	10 55 39.0	−0.4			
			eS	11 03 00.0	0.9			
			SS	11 09 20.0	4.3			
			LE	$M_S=6.0$		16.0	2.70	
			LZ	$M_S=6.0$		24.0	5.80	
CN2	94.1	19	P	10 52 00.0	0.7			
			pP	10 52 05.0	−0.1			
			PP	10 55 47.0	−0.3			
			SKS	11 02 34.0	2.8			
			eS	11 03 08.0	0.7			
			LN	$M_S=5.8$		18.0	1.80	
			LZ	$M_S=6.0$		20.0	5.00	
MDJ	94.2	16	eP	10 52 00.0	−0.1			
			ePP	10 55 48.0	−0.6			
			SKS	11 02 36.0	3.8			
			S	11 03 12.0	5.0			
			LZ	$M_S=5.5$		28.0	2.40	
BJI	94.7	27	eP	10 52 03.0	0.6			
			ePP	10 55 51.0	−0.9			
			eSKS	11 02 40.0	5.1			
			eSS	11 09 40.0	1.1			
			LN	$M_S=6.0$		19.0	3.30	
			LZ	$M_S=6.1$		24.0	7.10	
TIY	95.4	30	eP	10 52 06.7	1.2			
			PP	10 55 53.0	−3.9			
			SS	11 09 44.0	−4.2			
			LN	$M_S=6.2$		17.0	4.17	
			LZ	$M_S=6.2$		18.0	7.79	
SNY	95.4	21	+P	10 52 06.0	0.5			
			SKS	11 02 43.0	4.4			
			S	11 03 20.5	3.5			
			LZ	$M_S=5.5$		36.0	2.71	
XAN	97.1	35	P	10 52 14.0	0.9			
			LN	$M_S=6.3$		14.0	3.85	
			LE			14.0	2.78	
DL2	97.5	23	eP	10 52 17.0	1.9			
			SKS	11 02 54.0	3.8			
			eS	11 03 42.0	5.1			
			LN	$M_S=6.2$		15.0	2.71	
			LE			15.0	2.66	
WHN	102.4	32	eP	10 52 37.0	−0.1			
			pP	10 52 40.0	−3.0			
			PP	10 56 52.0	0.9			
			SS	11 11 32.0	5.5			
			LN	$M_S=6.3$		18.0	4.17	
			LE			18.0	2.56	
			LZ	$M_S=6.2$		20.0	6.90	
SSE	104.5	27	eP	10 52 42.0	−4.5			
			ePP	10 57 07.0	−0.3			
			SKS	11 03 30.0	6.3			
			SS	11 11 52.0	−3.3			
			LN	$M_S=6.3$		16.0	3.29	
			LE			16.0	2.35	
			LZ	$M_S=6.0$		18.0	4.53	

JUN 26d 14h 59m 41.1±0.13s, SD2.38/52
35.80 N±2.35km, 70.50 E±1.88km, h116±0.39km
Hindu Kush region (718)

KSH	5.7	48	P	15 01 06.0	1.2			
			S	15 02 08.0	−1.0			
			LN			4.0	6.10	
WMQ	15.4	54	P	15 03 12.0	−2.0			
			sP	15 03 47.5	0.9			
LSA	18.4	103	P	15 03 50.2	0.0			
			S	15 07 12.0	4.9			
GTA	23.5	72	−P	15 04 43.6	2.3			
LZH	26.9	79	eP	15 05 16.5	2.6			
BTO	31.2	69	eP	15 05 48.6	−3.8			
XAN	31.4	82	P	15 05 55.8	1.9			
GYA	32.2	97	P	15 06 01.0	0.5			
TIY	33.5	74	eP	15 06 14.0	2.5			
BJI	36.0	69	eP	15 06 34.0	1.1			
WHN	36.8	85	eP	15 06 36.7	−3.5			
NJ2	40.0	81	eP	15 07 02.5	−3.7			
SSE	42.2	81	eP	15 07 19.5	−4.7			
			sP	15 08 05.0	0.8			

JUN 26d 21h 40m 30.5±0.09s, SD2.23/41
39.09 N±1.53km, 75.17 E±1.90km, h23±1.08km
Tadzhikistan–Xinjiang border region (719)
M_S4.3/3, M_L4.5/6,

KSH	0.7	54	+Pg	21 40 45.0	1.0			
			Sg	21 40 57.0	2.9			
			LN			4.0	21.2	
WMQ	10.5	59	P	21 43 02.0	−1.5			
			S	21 44 59.0	−2.3			
GTA	19.1	81	eP	21 44 53.8	−0.9			
			LE	$M_S=4.5$		9.0	0.74	
			LZ	$M_S=4.4$		9.0	0.67	
CD2	24.7	100	eP	21 45 53.7	1.7			
BTO	26.7	76	eP	21 46 10.0	−0.5			

			epP	21 46 17.0	−0.7			
			eS	21 50 41.0	−2.0			
			LN	M_S=4.3		13.0	0.20	
			LE			13.0	0.30	
XAN	27.5	90	P	21 46 16.0	−1.6			
GYA	29.2	106	P	21 46 37.4	4.5			
WHN	33.1	93	eP	21 47 03.0	−4.2			

JUN 27d 07h 10m 20.3±0.18s, SD1.23/83
51.78 N±4.40km, 174.42 W±2.19km, h21±2.33km
Andreanof Islands (7)
M_S5.3/17, m_B5.6/4, m_b5.3/6,

MDJ	37.2	282	eP	07 17 32.0	−0.3			
			pP	07 17 45.0	5.5			
			eS	07 23 13.0	−4.8			
			LZ	M_S=5.1		20.0	3.10	
			LE	M_S=5.1		20.0	2.15	
CN2	40.1	283	+P	07 17 57.1	0.1			
			PMZ	m_B=5.6		4.0	0.40	
			ePP	07 19 34.0	0.9			
			eS	07 24 00.0	−2.5			
			LZ	M_S=5.3		20.0	4.80	
SNY	42.4	282	+P	07 18 16.0	0.5			
			PMZ			3.0	0.79	
			sP	07 18 29.0	3.0			
			eS	07 24 30.0	−5.8			
			LZ	M_S=4.9		20.0	1.69	
DL2	45.3	280	eP	07 18 39.0	−0.3			
			sP	07 18 52.0	2.2			
			eS	07 25 18.0	−0.5			
			LN	M_S=4.9		16.0	0.64	
			LZ	M_S=4.5		16.0	0.41	
BJI	47.9	285	eP	07 19 00.0	0.1			
			esP	07 19 14.0	3.6			
			eS	07 25 54.0	−1.7			
			LN	M_S=5.3		19.0	1.85	
			LZ	M_S=5.2		20.0	2.61	
TIA	49.8	280	eP	07 19 14.1	−0.2			
			pP	07 19 26.5	5.0			
			S	07 26 22.6	1.9			
			LZ	M_S=4.8		20.0	0.93	
HHC	50.2	288	P	07 19 18.0	0.7			
			eS	07 26 26.0	−1.3			
			ScS	07 29 06.0	2.7			
			LN	M_S=4.8		15.0	0.39	
			LE			13.0	0.20	
SSE	50.7	272	P	07 19 20.0	−1.3			
			PMZ	m_b=5.2		1.0	0.035	
			eS	07 26 28.0	−6.5			
			sS	07 26 50.0	3.3			
			LN	M_S=4.9		14.0	0.30	
			LE			14.0	0.40	
			LZ	M_S=4.5		20.0	0.50	
BTO	51.3	289	P	07 19 26.0	0.6			
			sP	07 19 40.0	4.3			
			ePP	07 21 22.0	−0.1			
			eS	07 26 40.0	−2.0			
			LN	M_S=5.2		17.0	0.80	
			LE			19.0	0.90	
NJ2	51.5	275	−P	07 19 27.0	−0.3			
			S	07 26 44.0	−0.4			
			LZ	M_S=4.6		22.0	0.60	
TIY	51.7	285	−P	07 19 29.5	0.9			
			sP	07 19 43.5	4.5			
			S	07 26 47.0	0.5			
			LE	M_S=5.4		22.0	2.77	
			LZ	M_S=5.1		22.0	2.22	
WHN	55.3	277	eP	07 19 55.0	−0.6			
			pP	07 20 05.5	2.5			
			esP	07 20 08.0	1.8			
			eS	07 27 34.0	−3.3			
			LZ	M_S=4.8		18.0	0.73	
XAN	56.2	284	P	07 20 02.2	0.0			
LZH	57.9	289	−P	07 20 13.5	−0.4			
			PMZ	m_b=5.4		2.5	0.12	
			LE	M_S=5.3		18.0	1.30	
			LZ	M_S=5.1		20.0	1.72	
GTA	57.9	294	P	07 20 13.2	−1.0			
			PMZ	m_b=5.1		0.6	0.015	
			LE	M_S=5.3		15.0	1.22	
			LZ	M_S=5.1		16.0	1.17	
WMQ	61.4	305	P	07 20 37.5	−0.5			
			eS	07 28 52.0	−4.4			
			LZ	M_S=5.1		18.0	1.36	
CD2	61.5	285	eP	07 20 39.0	0.0			
GYA	63.0	279	P	07 20 48.0	−0.7			
			sP	07 21 03.0	3.9			
			S	07 29 15.0	−0.1			
KMI	66.4	281	+P	07 21 10.0	−0.7			
			sP	07 21 24.0	3.0			
			eS	07 29 57.0	−1.5			
			sS	07 30 15.0	4.7			
			LZ	M_S=5.0		18.0	0.90	
QZN	66.5	271	eP	07 21 13.7	2.3			
KSH	70.4	309	P	07 21 36.0	0.0			
			LE	M_S=5.6		18.0	2.00	

JUN 27d 07h 16m 46.6±0.45s, SD1.79/27
51.48 N±2.50km, 174.24 W±1.83km, h47±3.62km
Andreanof Islands (7)

MDJ	37.4	282	eP	07 23 55.0	−1.9			
CN2	40.3	284	eP	07 24 27.0	5.4			
SNY	42.6	282	−iP	07 24 40.0	0.0			
BJI	48.1	285	eP	07 25 23.0	−1.4			
NJ2	51.7	275	+P	07 25 49.5	−1.8			
TIY	51.9	285	eP	07 25 52.8	−0.2			
XAN	56.4	284	P	07 26 25.0	−1.5			
CD2	61.7	285	eP	07 27 02.3	−0.9			
GYA	63.1	279	P	07 27 12.0	−0.7			

JUN 27d 08h 32m 47.7±0.13s, SD3.63/7
41.50 N±1.11km, 78.98 E±1.17km, h3±1.33km
Kirgiziya–Xinjiang border region (320)
M_L3.3/5,

WMQ	6.8	67	ePg	08 34 45.8	−2.8			
			Sn	08 35 52.2	2.3			
			SMN	M_L=3.1		1.0	0.010	
			SME			0.6	0.010	

JUN 27d 10h 38m 36.7±0.30s, SD2.40/18
57.04 N±4.67km, 116.89 E±2.66km, h19±1.28km
East of Lake Baykal (328)
M_S4.4/8,

CN2	14.3	154	+P	10 42 04.2	3.4			
			pP	10 42 07.2	0.8			
			eS	10 44 40.5	0.3			
			LN	M_S=4.4		8.0	0.70	
			LZ	M_S=4.4		11.0	1.20	
HHC	16.6	194	eP	10 42 32.0	1.9			
			LN	M_S=4.2		8.0	0.29	
			LE			8.0	0.19	
BJI	17.0	182	eP	10 42 37.5	1.8			
BTO	17.1	198	eP	10 42 37.5	1.3			
			esP	10 42 41.5	−4.1			
			LN	M_S=4.4		9.0	0.40	
			LE			7.0	0.40	

TIY	19.6	191	eP	10 43 03.5	−3.2		
			LE	M_S=4.3		7.0	0.35
			LZ	M_S=4.0		22.0	0.78
GTA	20.9	220	P	10 43 20.2	−0.7		
			LN	M_S=4.6		4.0	0.34
WMQ	22.6	247	eP	10 43 39.5	1.4		
			eS	10 47 34.0	−6.4		
NJ2	25.0	176	−P	10 44 01.5	0.0		

JUN 27d 10h 59m 32.9±0.11s, SD1.00/44
51.51 N±2.89km, 174.34 W±1.19km, h33±1.31km
Andreanof Islands (7)
m_B5.5/1, m_b5.2/3,

MDJ	37.3	282	eP	11 06 43.0	−1.0		
CN2	40.2	283	+P	11 07 09.0	0.3		
			pP	11 07 18.8	0.8		
			eS	11 13 07.0	−6.8		
			LZ	M_S=4.3		20.0	0.40
SNY	42.5	282	+P	11 07 28.0	0.9		
BJI	48.1	285	eP	11 08 11.5	−0.1		
SSE	50.8	272	P	11 08 32.0	−0.5		
			PMZ	m_b=4.8		1.0	0.012
			PMZ	m_B=5.5		8.0	0.46
NJ2	51.6	275	eP	11 08 38.0	−0.6		
TIY	51.8	285	eP	11 08 41.0	0.8		
			LZ	M_S=4.7		18.0	0.61
WHN	55.4	277	eP	11 09 08.0	1.1		
XAN	56.4	284	P	11 09 12.3	−1.4		
GTA	58.1	294	P	11 09 25.0	−1.0		
WMQ	61.6	305	eP	11 09 49.5	−0.5		
CD2	61.7	285	eP	11 09 50.6	0.1		
GYA	63.1	279	P	11 10 02.6	2.6		

JUN 27d 15h 47m 11.4±0.11s, SD2.86/11
44.77 N±0.88km, 119.24 E±1.08km, h7±0.44km
North−Eastern China (658)
M_L3.2/10,

CN2	4.6	100	ePn	15 48 17.6	−3.5		
			Pg	15 48 33.6	1.7		
			Sg	15 49 31.0	−3.3		
			SMN	M_L=2.9		0.6	0.015
			SME			0.6	0.020

JUN 27d 17h 43m 07.5±0.14s, SD2.03/19
63.67 S±4.23km, 155.78 W±2.80km, h13±0.83km
South Pacific Cordillera (691)
M_S5.5/2,

WHN	116.8	285	ePKP	18 01 50.0	−3.0		
			ePP	18 03 00.0	−5.4		
			SS	18 19 10.0	1.7		
			LZ	M_S=5.3		20.0	0.75
TIY	123.8	287	ePKP	18 02 08.0	1.4		
			PP	18 03 48.0	−5.0		
			LE	M_S=5.7		20.0	1.04
			LZ	M_S=5.8		22.0	2.22
BJI	124.2	292	ePKP	18 02 08.0	0.8		
			LZ	M_S=5.4		24.0	0.97
GTA	130.7	278	ePKP	18 02 19.8	−0.1		
			PP	18 04 35.7	−2.6		
			LZ	M_S=5.3		22.0	0.62
KSH	141.4	256	ePKP	18 02 43.0	3.4		

JUN 28d 00h 14m 55.2±0.06s, SD1.51/37
45.36 N±2.82km, 151.31 E±1.91km, h47±0.91km
Kurile Islands region (222)
M_S4.3/4, m_b4.9/1,

MDJ	15.4	275	eP	00 18 30.0	−1.0		
CN2	18.5	274	+P	00 19 07.0	−2.6		
			eS	00 22 25.0	−5.3		
			LE	M_S=4.2		14.0	0.50
			LZ	M_S=4.2		16.0	0.90
SNY	20.4	270	+P	00 19 28.4	−2.2		
DL2	22.9	264	eP	00 19 54.0	−1.7		
BJI	26.2	271	eP	00 20 27.0	−1.0		
			eS	00 24 56.0	1.4		
			LE	M_S=4.5		16.0	0.69
			LZ	M_S=4.0		18.0	0.42
NJ2	28.4	253	eP	00 20 50.0	2.3		
HHC	29.2	275	eP	00 20 54.8	0.1		
BTO	30.3	276	eP	00 21 03.0	−2.2		
			eS	00 25 58.0	−2.9		
			LN	M_S=4.6		15.0	0.40
			LE			15.0	0.50
LZH	36.7	272	eP	00 22 00.5	0.4		
GTA	38.0	280	eP	00 22 10.6	−0.1		
			PMZ	m_b=4.9		1.0	0.020
WMQ	44.3	292	eP	00 23 03.0	0.5		
KSH	54.1	292	eP	00 24 18.0	0.0		

JUN 28d 01h 41m 13.0±0.07s, SD1.53/21
25.72 N±1.25km, 140.97 E±1.62km, h199±0.35km
Volcano Islands region (213)

SSE	18.2	292	P	01 45 11.5	−2.2		
SNY	21.6	323	−iP	01 45 48.6	1.1		
CN2	22.0	329	eP	01 45 54.0	1.8		
TIA	22.9	303	eP	01 46 02.7	1.9		
BJI	25.1	311	eP	01 46 21.5	−0.2		

JUN 28d 02h 04m 19.0±0.33s, SD1.13/21
11.47 N±3.29km, 126.19 E±3.21km, h33±km
Leyte (256)
M_S4.1/1, m_B4.6/1, m_b4.3/1,

SSE	20.1	347	−P	02 08 52.5	−0.1		
			PMZ	m_b=4.3		1.0	0.014
			epP	02 09 04.5	3.6		
			SME	m_B=4.6		12.0	0.30
			LE	M_S=4.1		14.0	0.40
WHN	21.9	332	eP	02 09 11.2	−0.4		
GYA	23.7	312	P	02 09 30.4	1.4		
XAN	27.5	328	−P	02 10 03.2	−1.2		
GTA	36.4	325	eP	02 11 22.8	0.3		
WMQ	46.2	321	eP	02 12 45.0	1.5		

JUN 28d 03h 00m 28.0±0.07s, SD1.32/97
45.45 N±2.39km, 151.14 E±1.69km, h33±0.89km
Kurile Islands region (222)
M_S5.3/42, m_B5.5/8, m_b5.4/12,

MDJ	15.3	275	eP	03 04 03.0	0.1		
			sP	03 04 17.0	2.3		
			S	03 06 50.0	−0.9		
			SS	03 07 10.0	1.2		
			LZ	M_S=5.2		18.0	12.8
CN2	18.3	274	+P	03 04 40.0	−1.8		
			PMZ	m_B=5.2		6.0	0.80
			pP	03 04 49.0	−0.3		
			PP	03 05 00.0	3.2		
			eS	03 07 56.3	−6.1		
			LZ	M_S=5.3		16.0	10.5
SNY	20.2	270	+iP	03 05 03.0	−0.3		
			pP	03 05 12.0	0.3		
			S	03 08 46.0	2.6		
			LN	M_S=5.1		15.0	1.63
			LE			15.0	3.33
			LZ	M_S=5.2		16.0	6.91
DL2	22.7	264	+P	03 05 28.0	−0.7		
			PMZ	m_B=5.3		5.0	0.71

			sP	03 05 45.0	3.4			
			S	03 09 30.0	−0.3			
			LN	M_S = 4.9		13.0	1.56	
			LE			13.0	1.15	
			LZ	M_S = 4.4		20.0	1.21	
BJI	26.1	271	eP	03 06 01.0	0.0			
			PMZ	m_B = 5.6		6.0	0.80	
			esP	03 06 18.0	4.0			
			eS	03 10 28.0	−0.3			
			LE	M_S = 5.3		16.0	4.86	
			LZ	M_S = 5.1		16.0	4.69	
TIA	27.2	262	P	03 06 10.4	−0.5			
			S	03 10 46.0	1.0			
			LE	M_S = 5.0		13.0	1.89	
			LZ	M_S = 4.6		20.0	1.75	
SSE	27.4	249	−P	03 06 12.5	0.1			
			PMZ	m_b = 5.4		1.0	0.083	
			pP	03 06 26.0	4.6			
			S	03 10 52.5	4.6			
			sS	03 11 08.0	4.4			
			LN	M_S = 5.2		16.0	0.90	
			LE			16.0	3.40	
NJ2	28.3	253	+P	03 06 20.0	−1.1			
			sP	03 06 35.0	1.0			
			S	03 11 00.0	−3.2			
			sS	03 11 24.0	5.0			
			LN	M_S = 5.5		16.0	2.95	
			LE			16.0	5.91	
			LZ	M_S = 5.2		18.0	5.07	
HHC	29.0	275	+P	03 06 28.5	0.8			
			pP	03 06 41.0	4.4			
			S	03 11 10.0	−4.8			
			sS	03 11 34.0	3.3			
			LN	M_S = 5.5		14.0	1.63	
			LE			15.0	5.88	
			LZ	M_S = 5.5		16.0	9.60	
TIY	29.7	269	+P	03 06 34.6	0.6			
			S	03 11 26.0	−0.1			
			sS	03 11 44.0	2.0			
			LE	M_S = 5.2		15.0	2.41	
			LZ	M_S = 5.1		18.0	3.65	
BTO	30.2	276	+iP	03 06 39.0	0.8			
			epP	03 06 48.5	1.3			
			PP	03 07 41.0	4.3			
			S	03 11 38.0	4.5			
			sS	03 11 53.0	3.6			
			LN	M_S = 5.5		13.0	2.70	
			LE			15.0	4.20	
WHN	32.3	255	eP	03 06 55.5	−0.8			
			PMZ	m_b = 5.4		1.4	0.080	
			eS	03 12 04.0	−2.7			
			LN	M_S = 5.5		20.0	4.53	
			LE			18.0	3.33	
XAN	34.0	265	P	03 07 11.8	0.2			
			pP	03 07 24.0	3.2			
			S	03 12 40.0	6.7			
			LN	M_S = 5.0		13.5	0.94	
			LE			14.0	0.94	
LZH	36.6	272	−P	03 07 34.5	1.3			
			PMZ	m_b = 6.0		1.5	0.44	
			pP	03 07 47.5	5.3			
			eS	03 13 14.0	0.4			
			SME	m_B = 5.2		8.0	0.39	
			sS	03 13 29.0	0.7			
			PcS	03 13 49.0	6.5			
			LN	M_S = 5.1		14.0	1.50	
			LZ	M_S = 5.1		20.0	3.20	
GTA	37.8	280	+iP	03 07 45.0	1.2			
			PMZ	m_b = 4.8		1.2	0.020	
			LE	M_S = 5.4		12.5	2.25	
			LZ	M_S = 5.3		14.0	3.40	
GZH	37.9	247	+P	03 07 43.2	−1.0			
			eS	03 13 32.0	−1.5			
			LN	M_S = 5.4		14.0	0.85	
			LE			14.0	2.25	
			LZ	M_S = 5.1		16.0	2.60	
CD2	39.4	265	eP	03 07 57.2	0.3			
			S	03 13 56.5	1.0			
			LE	M_S = 5.2		14.0	1.68	
GYA	40.1	257	+P	03 08 02.6	−0.1			
			PMZ			3.0	0.62	
			LN	M_S = 5.6		17.0	2.20	
			LE			17.0	3.60	
			LZ	M_S = 5.0		18.0	2.10	
KMI	43.7	259	+P	03 08 32.0	0.0			
			pP	03 08 46.0	4.9			
			PP	03 10 21.0	5.7			
			S	03 15 01.0	2.7			
			LN	M_S = 5.3		18.0	2.20	
			LZ	M_S = 5.1		20.0	2.50	
WMQ	44.1	292	+iP	03 08 37.0	1.4			
			PMZ	m_B = 5.9		4.0	0.79	
			S	03 15 05.0	0.0			
			ScS	03 18 32.5	4.1			
			LN	M_S = 5.7		16.0	3.75	
			LE			13.0	1.58	
LSA	49.0	273	P	03 09 16.2	1.9			
KSH	53.9	292	+P	03 09 52.0	0.8			
			pP	03 10 06.0	5.5			
			ePP	03 11 50.0	−3.1			
			eS	03 17 26.0	2.7			
			LN	M_S = 5.7		16.0	3.10	

JUN 28d 12h 08m 32.2 ± 0.09s, SD1.57 / 101
23.89 N ± 1.57km, 94.32 E ± 1.15km, h74 ± 0.51km
Burma–India border region (294)
M_S4.8 / 38, m_B5.3 / 3, m_b5.2 / 10,

LSA	6.4	335	P	12 10 07.9	0.9			
			LN	M_S = 4.9		5.0	3.25	
			LE			4.0	3.30	
KMI	7.8	79	+iP	12 10 29.0	4.0			
			sP	12 10 41.0	−4.6			
			iS	12 11 58.0	5.7			
			LN	M_S = 4.8		8.0	5.40	
			LZ	M_S = 4.5		20.0	5.80	
CD2	10.9	48	eP	12 11 07.2	−0.5			
			eS	12 13 13.0	4.1			
			LN	M_S = 4.9		8.0	3.44	
GYA	11.5	75	+P	12 11 15.4	0.2			
			LN	M_S = 4.6		10.0	2.10	
			LE			10.0	0.80	
			LZ	M_S = 4.2		12.0	1.30	
LZH	14.7	32	eP	12 11 55.5	−2.0			
			ePP	12 12 08.0	−2.9			
			SMN	m_B = 5.2		5.0	0.68	
			LE	M_S = 4.6		7.0	1.00	
			LZ	M_S = 4.1		26.0	1.60	
QZN	15.2	106	eP	12 12 03.5	−1.0			
			eS	12 14 53.0	1.3			
			LN	M_S = 4.5		11.0	0.85	
			LE			10.0	0.65	
GTA	16.2	15	eP	12 12 13.8	−2.6			
			LE	M_S = 4.9		9.0	2.11	
			LZ	M_S = 4.3		8.0	0.71	
XAN	16.3	48	+P	12 12 18.5	0.8			
			S	12 15 19.0	4.1			

			LN	$M_S=4.8$		8.0	1.61
			LE			14.0	0.63
GZH	17.5	89	+P	12 12 32.0	−0.5		
			S	12 15 47.0	5.0		
			LN	$M_S=5.0$		7.0	1.55
			LE			6.0	1.10
WHN	19.0	65	P	12 12 52.0	1.4		
			PMZ	$m_b=5.0$		0.7	0.060
			S	12 16 13.0	−2.9		
			LN	$M_S=4.9$		9.0	1.06
			LE			6.0	0.80
WMQ	20.6	346	−iP	12 13 09.0	1.2		
			PMZ	$m_b=5.6$		2.0	0.57
			PP	12 13 33.0	1.0		
			S	12 16 53.0	4.6		
			ScS	12 24 28.0	2.1		
			LE	$M_S=4.4$		13.0	0.63
TIY	20.7	44	eP	12 13 06.7	−2.4		
			S	12 16 48.5	−2.3		
			LN	$M_S=4.4$		11.0	0.60
			LZ	$M_S=4.3$		12.0	0.72
BTO	21.2	35	eP	12 13 13.5	−0.9		
			S	12 17 02.5	2.1		
			SS	12 17 35.0	−3.8		
			LN	$M_S=4.8$		9.0	0.90
			LE			12.0	0.80
KSH	22.0	319	P	12 13 24.0	1.9		
			S	12 17 19.0	4.4		
			LN	$M_S=5.0$		8.0	1.60
QZH	22.1	82	eP	12 13 23.5	0.6		
			SMN	$m_B=5.3$		10.0	0.70
			LN	$M_S=4.9$		8.0	1.30
HHC	22.2	36	eP	12 13 26.2	1.9		
			LN	$M_S=4.6$		9.0	0.46
			LE			10.0	0.61
NJ2	23.1	64	−P	12 13 32.6	0.1		
			S	12 17 39.0	5.2		
			LN	$M_S=4.7$		10.0	0.69
			LE			10.0	0.49
			LZ	$M_S=4.2$		14.0	0.59
TIA	23.2	53	eP	12 13 32.9	−0.4		
			S	12 17 34.0	−1.1		
			LN	$M_S=4.8$		7.0	0.55
			LE			7.0	0.48
BJI	24.5	44	eP	12 13 48.0	2.4		
			eScP	12 20 53.5	−0.4		
			eS	12 18 00.0	2.2		
			eScS	12 24 40.5	0.2		
SSE	24.8	67	+P	12 13 48.1	−1.3		
			PMZ	$m_b=5.4$		1.0	0.14
			LN	$M_S=4.8$		10.0	0.90
			LZ	$M_S=4.0$		20.0	0.50
DL2	27.6	51	eP	12 14 16.0	1.5		
			S	12 18 48.0	−0.2		
			ScS	12 24 53.0	−0.4		
SNY	30.2	47	eP	12 14 36.6	−1.4		
CN2	32.3	44	−P	12 14 57.0	0.3		
			PcP	12 17 42.4	−0.2		
			eS	12 20 07.0	2.8		
			SS	12 22 06.6	3.8		
MDJ	35.4	45	eP	12 15 26.0	3.2		

JUN 28d 12h 36m 29.1 ± 0.24s, SD3.35 / 20
23.19 N ± 5.29km, 91.49 E ± 3.17km, h46 ± 2.22km
Bangladesh (316)

KMI	10.5	77	−P	12 38 56.5	−3.2
GYA	14.2	74	P	12 39 46.4	−2.7
GTA	17.6	22	eP	12 40 32.0	−1.6
XAN	18.7	51	P	12 40 45.6	−0.9
WMQ	20.8	352	P	12 41 06.0	−3.3
KSH	21.0	325	eP	12 41 08.0	−3.0
WHN	21.6	65	eP	12 41 20.0	2.3
BTO	23.3	38	eP	12 41 38.4	3.8
NJ2	25.7	64	eP	12 42 01.5	4.0
SSE	27.5	67	P	12 42 18.0	4.2
			pP	12 42 23.5	−1.5

JUN 28d 16h 50m 03.8 ± 0.08s, SD1.34 / 11
1.74 N ± 0.74km, 126.11 E ± 0.48km, h115 ± 0.75km
Molucca Passage (266)

BJI	39.2	348	eP	16 57 22.0	−0.4
GTA	44.5	331	eP	16 58 06.8	0.8

JUN 28d 21h 24m 11.2 ± 0.23s, SD2.25 / 39
57.58 S ± 6.34km, 146.94 W ± 4.35km, h18 ± 1.46km
South Pacific Cordillera (691)
M_S5.8 / 5, m_B6.0 / 1,

WHN	119.8	281	ePKP	21 43 03.1	1.7		
			PP	21 44 28.0	0.3		
GYA	120.6	272	PKP	21 43 00.4	−2.9		
CN2	124.4	299	ePKP	21 43 10.5	0.1		
			sPKP	21 43 15.0	−2.7		
			PP	21 45 02.0	2.3		
			LN	$M_S=5.5$		20.0	0.70
			LZ	$M_S=5.6$		25.0	1.70
BJI	126.1	289	PKP	21 43 16.0	2.3		
			LZ	$M_S=5.5$		28.0	1.41
TIY	126.3	285	ePKP	21 43 15.4	1.2		
			LZ	$M_S=5.5$		30.0	1.57
LZH	129.6	277	ePKP	21 43 20.5	−0.2		
GTA	134.2	277	ePKP	21 43 30.4	1.0		
			PPMZ	$m_B=6.0$		7.0	0.45
			LZ	$M_S=5.5$		24.0	0.96
WMQ	143.8	272	PKP	21 43 45.5	−1.0		
			pPKP	21 43 50.0	−1.2		
			LZ	$M_S=5.7$		26.0	1.41
KSH	147.1	255	−iPKP	21 43 56.5	4.3		

JUN 28d 22h 11m 57.5 ± 0.13s, SD1.41 / 69
6.12 S ± 1.24km, 148.90 E ± 3.08km, h50 ± km
New Britain region (192)
M_S5.3 / 11, m_b5.2 / 2,

SSE	45.5	326	+P	22 20 15.0	0.6		
			PMZ	$m_b=5.1$		1.0	0.024
			pP	22 20 28.0	1.1		
			S	22 26 54.0	3.1		
			LN	$M_S=5.5$		24.0	3.10
			LE			24.0	3.20
			LZ	$M_S=5.0$		20.0	1.90
QZN	45.9	304	eP	22 20 17.4	0.0		
NJ2	47.5	325	+P	22 20 31.0	0.6		
			eS	22 27 23.0	2.2		
			LZ	$M_S=5.1$		22.0	2.39
WHN	49.2	320	eP	22 20 44.0	0.5		
			pP	22 20 59.6	3.6		
			LN	$M_S=5.2$		18.0	1.39
TIA	51.6	327	eP	22 21 01.8	0.3		
SNY	53.0	336	eP	22 21 12.0	−0.3		
MDJ	53.4	343	eP	22 21 15.0	−0.1		
CN2	54.0	339	eP	22 21 23.0	3.4		
BJI	54.9	330	eP	22 21 26.0	−0.3		
			LN	$M_S=5.3$		21.0	1.67
			LZ	$M_S=5.1$		20.0	1.82
XAN	55.0	319	−P	22 21 25.6	−1.1		
CD2	56.7	313	eP	22 21 37.6	−1.6		
HHC	57.9	327	eP	22 21 44.0	−3.9		

			S	22 29 39.0	−2.2			
			LN	$M_S = 5.5$		20.0	1.45	
			LE			20.0	1.69	
			LZ	$M_S = 5.3$		21.0	2.57	
BTO	58.6	326	P	22 21 53.5	0.9			
			pP	22 22 08.0	2.9			
			eS	22 29 52.0	0.5			
			LN	$M_S = 5.4$		20.0	1.60	
			LE			18.0	0.80	
GTA	64.1	319	eP	22 22 30.0	0.7			
WMQ	74.1	319	eP	22 23 30.5	−0.7			
			pP	22 23 43.0	−0.9			
KSH	80.9	311	eP	22 24 07.0	−2.0			

JUN 28d 23h 44m 50.6 ± 0.12s, SD1.10 / 94
7.63 S ± 1.38km, 127.35 E ± 1.58km, h172 ± 1.00km
Timor (289)
m_B5.6 / 12, m_b5.5 / 18,

QZN	31.6	327	P	23 51 00.0	0.2			
			eS	23 55 57.5	2.3			
GZH	33.5	336	+P	23 51 15.3	−0.3			
			S	23 56 24.0	1.0			
SSE	39.0	352	+P	23 52 01.5	−0.3			
			PMZ	$m_b = 5.3$		1.0	0.083	
			pP	23 52 43.5	4.9			
			sP	23 52 54.0	−4.3			
			ePP	23 53 42.0	4.5			
			PcS	23 57 56.0	−0.9			
			sS	23 58 50.0	−2.0			
			LE			15.0	0.50	
			LZ			19.0	0.46	
GYA	39.4	330	+P	23 52 07.0	1.4			
			PcP	23 54 12.0	1.8			
			ScP	23 57 44.0	3.1			
			S	23 57 54.0	0.9			
			ScS	24 01 55.0	2.8			
WHN	40.0	342	−iP	23 52 11.8	1.8			
			PMZ	$m_b = 5.9$		1.2	0.40	
			PMZ	$m_B = 5.8$		4.0	1.10	
			pP	23 52 50.0	3.1			
			PP	23 53 48.0	−0.2			
			ScP	23 57 44.8	1.7			
NJ2	40.3	349	+iP	23 52 13.0	0.2			
			PMZ	$m_b = 5.7$		1.0	0.20	
			PMZ	$m_B = 5.7$		5.0	0.90	
			ScP	23 57 46.4	2.0			
			iS	23 58 06.0	−1.3			
KMI	40.4	324	+P	23 52 16.0	1.8			
			PMZ	$m_B = 5.8$		4.0	1.00	
			sP	23 53 11.0	0.5			
			S	23 58 13.0	4.5			
CD2	44.5	331	+iP	23 52 47.0	0.0			
			iS	23 59 05.5	−3.3			
TIA	44.7	348	P	23 52 47.9	−0.3			
			PcP	23 54 28.8	1.1			
			S	23 59 07.0	−3.0			
			SME	$m_B = 5.2$		9.0	0.41	
XAN	45.0	338	−iP	23 52 50.0	−0.8			
			PcP	23 54 30.0	1.2			
DL2	46.6	354	eP	23 53 03.0	−0.5			
			PMZ	$m_b = 5.6$		1.5	0.22	
			PMZ	$m_B = 5.4$		5.0	0.50	
			S	23 59 36.0	−1.7			
TIY	47.2	344	−iP	23 53 08.5	0.1			
			sP	23 54 07.0	1.6			
			PcP	23 54 38.0	1.3			
			PP	23 55 04.0	3.3			
			ScP	23 58 15.5	3.0			
			S	23 59 41.0	−5.3			
			ScS	24 02 44.5	3.7			
			LE			14.0	0.30	
BJI	48.5	349	+P	23 53 18.0	−0.6			
			PcP	23 54 42.0	0.5			
			ScP	23 58 20.0	1.9			
			eS	24 00 00.0	−6.0			
			eScS	24 02 53.0	3.4			
LZH	48.8	335	−iP	23 53 21.0	0.4			
			PMZ	$m_b = 6.1$		1.5	0.70	
			PMZ	$m_B = 5.9$		4.0	1.22	
			pP	23 54 00.0	1.5			
			sP	23 54 14.0	−3.7			
			ePP	23 55 14.0	−1.4			
			ScP	23 58 22.5	3.4			
			eS	24 00 07.0	−2.7			
			SME	$m_B = 5.7$		4.0	0.42	
			sS	24 01 12.0	−3.9			
			ScS	24 02 55.0	3.8			
			LE			17.0	0.40	
			LZ			25.0	0.60	
SNY	49.3	356	+iP	23 53 23.8	−0.9			
			sP	23 54 17.0	−5.0			
			LZ			25.0	0.66	
HHC	50.4	344	P	23 53 33.3	0.5			
			sP	23 54 30.0	−0.1			
			PP	23 55 32.0	1.0			
BTO	50.6	343	P	23 53 33.5	−0.8			
LSA	50.9	319	−P	23 53 38.2	1.3			
			S	24 00 40.5	3.2			
CN2	51.2	358	+P	23 53 37.6	−1.3			
			PMZ	$m_B = 5.4$		5.0	0.50	
			PcP	23 54 52.0	0.7			
			iScP	23 58 31.5	2.0			
			eS	24 00 40.6	−2.4			
MDJ	52.0	2	eP	23 53 44.5	−0.6			
GTA	53.3	333	+iP	23 53 54.4	−0.2			
			PMZ	$m_b = 5.7$		0.8	0.15	
			LZ			16.0	0.53	
WMQ	62.5	329	+iP	23 54 59.0	0.2			
			PcP	23 55 36.7	1.4			
			ScP	23 59 22.0	2.9			
			S	24 03 11.5	1.6			
			ScS	24 04 32.5	3.1			
			LZ			24.0	0.67	
KSH	66.8	319	+P	23 55 26.5	0.2			
			sP	23 56 22.0	−3.1			

JUN 29d 00h 18m 39.4 ± 0.08s, SD0.95 / 51
22.89 S ± 1.87km, 175.17 W ± 2.33km, h35 ± 0.27km
Tonga region (174)
M_S5.2 / 3, m_B6.0 / 6, m_b5.2 / 3,

SSE	81.2	309	P	00 30 52.0	−2.1			
			SKS	00 41 04.0	−0.7			
			LN	$M_S = 5.0$		14.0	0.30	
			LZ	$M_S = 4.9$		20.0	0.50	
NJ2	83.4	309	−P	00 31 05.6	0.2			
			eS	00 41 20.0	−3.2			
MDJ	84.0	324	eP	00 31 10.0	1.7			
QZN	84.2	293	eP	00 31 09.5	0.0			
			eS	00 41 27.0	−4.2			
DL2	85.3	316	eP	00 31 14.0	−0.6			
			eS	00 41 40.0	−1.5			
SNY	85.7	319	+P	00 31 16.0	−0.9			
			PMZ	$m_B = 6.0$		4.0	0.62	
			eS	00 41 42.0	−3.9			
CN2	85.8	321	+P	00 31 17.0	−0.2			
			PMZ	$m_B = 6.1$		3.5	0.60	

			pP	00 31 27.5	0.2			
			sP	00 31 34.5	3.1			
			PP	00 34 39.0	1.7			
			SKS	00 41 38.0	2.2			
			S	00 41 41.0	−3.9			
			LZ	M_S = 5.1		20.0	0.70	
WHN	86.0	305	P	00 31 19.0	0.9			
			pP	00 31 29.0	0.8			
			S	00 41 46.0	−0.6			
TIA	86.8	311	P	00 31 22.0	−0.3			
BJI	89.4	314	eP	00 31 34.5	−0.3			
			PMZ	m_B = 6.3		4.0	0.82	
			eSKS	00 41 58.0	−0.9			
			eS	00 42 14.0	−6.9			
GYA	90.1	299	+P	00 31 39.0	0.9			
TIY	90.8	311	eP	00 31 41.5	0.1			
			pP	00 31 54.0	2.5			
			eS	00 42 35.0	1.4			
			LN	M_S = 5.3		16.0	0.54	
			LZ	M_S = 5.2		22.0	0.91	
XAN	91.7	306	P	00 31 46.0	0.7			
KMI	92.8	296	+P	00 31 52.0	1.5			
			PMZ	m_B = 6.2		4.0	0.50	
			SKS	00 42 20.0	1.7			
			sS	00 43 04.0	−3.6			
GTA	100.5	308	eP	00 32 25.6	−0.1			
			LZ	M_S = 5.0		18.0	0.41	

JUN 29d 03h 57m 32.8 ± 0.08s, SD1.03 / 69
6.18 S ± 1.03km, 154.83 E ± 1.55km, h85 ± 0.43km
Solomon Islands (193)
m_b5.2 / 5,

QZH	46.9	313	−P	04 05 58.0	1.0			
QZN	50.9	300	+P	04 06 29.3	1.5			
NJ2	51.2	320	eP	04 06 30.0	0.1			
WHN	53.2	316	+P	04 06 46.0	0.7			
GYA	56.8	307	+P	04 07 12.4	0.9			
BJI	58.2	326	eP	04 07 19.5	−1.1			
TIY	58.9	321	eP	04 07 25.3	−0.2			
XAN	59.0	316	+P	04 07 26.0	−0.6			
CD2	61.2	310	+iP	04 07 41.3	0.0			
LZH	63.6	315	eP	04 07 58.0	0.2			
			PMZ	m_b = 5.2		1.0	0.032	
GTA	68.0	317	+iP	04 08 26.2	0.2			
			PMZ	m_b = 5.0		1.0	0.021	
WMQ	78.1	317	P	04 09 25.6	0.6			
KSH	85.4	310	eP	04 10 05.0	2.0			

JUN 29d 05h 25m 50.5 ± 0.09s, SD0.89 / 90
4.58 S ± 1.39km, 102.01 E ± 1.58km, h42 ± 0.13km
South−west of Sumatera (273)
M_S5.5 / 35, m_B5.4 / 5, m_b5.3 / 10,

QZN	24.7	18	eP	05 31 10.0	0.7			
			pP	05 31 21.5	1.8			
			LN	M_S = 5.2		17.0	2.90	
			LE			15.0	2.90	
KMI	29.5	1	−P	05 31 55.0	1.2			
			pP	05 32 06.0	1.7			
			S	05 36 47.0	3.8			
			LN	M_S = 5.4		16.0	4.20	
			LZ	M_S = 5.4		16.0	6.70	
GYA	31.2	8	+P	05 32 09.4	1.0			
			S	05 37 13.0	3.9			
			LN	M_S = 5.5		15.0	4.50	
			LE			15.0	2.60	
			LZ	M_S = 5.1		16.0	3.30	
QZH	33.5	28	eP	05 32 28.0	−0.2			
			LE	M_S = 5.2		16.0	2.40	
			LZ	M_S = 5.0		16.0	2.00	
CD2	35.3	3	P	05 32 43.4	−0.8			
			pP	05 32 54.0	−1.0			
			S	05 38 14.5	0.8			
			LE	M_S = 5.6		15.0	4.88	
			LZ	M_S = 5.3		18.0	4.27	
LSA	35.6	344	P	05 32 47.8	0.5			
			pP	05 33 00.0	2.3			
WHN	36.9	18	P	05 32 57.5	0.4			
			pP	05 33 09.0	1.0			
			PP	05 34 26.0	3.1			
			S	05 38 41.0	3.7			
			LN	M_S = 5.5		16.0	3.96	
			LE			14.0	1.63	
XAN	39.0	9	P	05 33 14.5	−0.2			
			pP	05 33 26.5	0.9			
			S	05 39 08.5	−0.7			
			LN	M_S = 5.7		16.0	4.90	
			LE			14.0	3.13	
NJ2	39.8	23	+P	05 33 22.5	1.0			
			pP	05 33 32.0	−0.5			
			S	05 39 22.0	0.3			
			LN	M_S = 5.5		15.0	2.82	
			LE			15.0	2.06	
			LZ	M_S = 5.4		16.0	4.72	
SSE	39.9	26	+P	05 33 23.0	0.4			
			pP	05 33 34.0	0.5			
			S	05 39 26.0	2.4			
			sS	05 39 46.0	2.9			
			LN	M_S = 5.5		14.0	3.40	
			LZ	M_S = 4.8		20.0	1.40	
LZH	40.5	2	−P	05 33 27.5	0.0			
			PMZ	m_b = 5.5		2.0	0.17	
			pP	05 33 39.5	1.2			
			PP	05 35 03.0	−1.4			
			PcP	05 35 30.0	0.8			
			PcS	05 39 21.0	2.5			
			eS	05 39 30.0	−3.4			
			SMN	m_B = 5.2		8.0	0.31	
			LN	M_S = 5.6		15.0	3.90	
			LZ	M_S = 5.5		16.0	5.88	
TIA	43.0	18	eP	05 33 46.2	−1.6			
			PcP	05 35 38.8	1.4			
			S	05 40 12.0	3.3			
			LN	M_S = 5.5		17.0	3.22	
TIY	43.2	12	+P	05 33 49.8	0.3			
			pP	05 34 02.0	1.5			
			S	05 40 16.0	4.4			
			LN	M_S = 5.5		14.0	2.23	
			LE			14.0	1.65	
			LZ	M_S = 5.3		16.0	3.34	
GTA	43.8	358	+iP	05 33 55.0	0.3			
			PMZ	m_b = 5.3		1.4	0.057	
			pP	05 34 06.5	0.9			
			S	05 40 21.0	0.0			
			LN	M_S = 5.5		15.0	2.76	
			LZ	M_S = 5.4		16.0	3.79	
BTO	45.6	9	P	05 34 09.0	0.4			
			pP	05 34 21.0	1.5			
			ePP	05 35 56.0	0.8			
			eS	05 40 46.0	−1.2			
			SS	05 44 01.0	−1.3			
			LN	M_S = 5.7		14.0	3.30	
			LE			15.0	1.60	
HHC	46.0	10	+iP	05 34 13.6	1.0			
			sP	05 34 24.0	−4.1			
			S	05 40 56.0	3.0			
			LN	M_S = 5.7		15.0	3.70	

			LE				14.0	1.70
			LZ		$M_S = 5.5$		15.0	3.90
BJI	46.3	15	+P	05	34 14.5	0.3		
			epP	05	34 26.0	0.8		
			eS	05	40 56.0	−1.2		
			LN		$M_S = 5.6$		16.0	3.77
			LZ		$M_S = 5.6$		16.0	5.27
DL2	46.9	21	eP	05	34 19.0	−0.2		
			epP	05	34 31.0	0.7		
			S	05	41 08.0	2.6		
			LN		$M_S = 5.5$		17.0	3.05
			LZ		$M_S = 5.1$		18.0	1.82
WMQ	49.9	346	+iP	05	34 42.5	0.2		
			PMZ		$m_b = 5.3$		2.0	0.082
			pP	05	34 51.0	−2.2		
			sP	05	34 54.5	−3.3		
			S	05	41 49.0	2.2		
			SMN		$m_B = 5.7$		5.0	0.55
			LN		$M_S = 5.1$		18.0	1.16
			LZ		$M_S = 4.9$		22.0	1.44
KSH	50.0	334	−iP	05	34 44.0	0.4		
			pP	05	34 57.0	2.5		
			PP	05	36 43.0	4.3		
			eS	05	41 52.0	1.5		
			sS	05	42 16.0	6.9		
			LE		$M_S = 5.2$		14.0	1.10
SNY	50.2	21	+P	05	34 43.5	−1.1		
			pP	05	34 55.2	−0.5		
			S	05	41 49.5	−1.8		
			LN		$M_S = 5.5$		18.0	1.62
			LE				18.0	2.50
			LZ		$M_S = 5.3$		19.0	2.98
CN2	52.6	21	+iP	05	35 01.8	−0.9		
			PMZ				3.0	0.40
			ipP	05	35 13.2	−0.6		
			iPcP	05	36 12.4	0.8		
			S	05	42 24.0	−0.2		
			SMN		$m_B = 5.5$		5.0	0.30
			LN		$M_S = 5.6$		17.0	2.70
			LZ		$M_S = 5.3$		18.0	2.60
MDJ	54.9	24	eP	05	35 19.2	−0.3		

JUN 29d 10h 55m 39.5 ± 0.13s, SD1.71 / 38
0.35 S ± 2.17km, 124.37 E ± 3.00km, h82 ± 0.02km
Minahassa Peninsula (Celebes) (265)

QZN	24.0	324	eP	11 00 49.8	2.4
GYA	31.6	329	P	11 01 58.6	1.1
WHN	32.2	344	eP	11 02 03.0	1.1
NJ2	32.6	351	eP	11 02 04.0	−2.1
CD2	36.7	330	eP	11 02 41.6	0.5
XAN	37.1	339	P	11 02 44.8	0.2
TIY	39.4	345	+iP	11 03 05.0	1.4
BJI	40.9	350	eP	11 03 16.0	0.6
MDJ	45.0	5	eP	11 03 49.5	0.5
GTA	45.5	333	eP	11 03 53.6	0.5
WMQ	54.8	328	P	11 05 03.0	−0.8

JUN 29d 17h 33m 51.3 ± 0.08s, SD1.40 / 21
51.53 N ± 1.27km, 16.18 E ± 0.85km, h16 ± 0.23km
Poland (548)

KSH	42.4	82	eP	17 41 50.0	2.6
WMQ	47.0	70	P	17 42 25.0	0.8
GTA	56.8	67	eP	17 43 38.0	0.0
BJI	65.3	56	eP	17 44 36.5	0.8
XAN	65.8	65	P	17 44 38.1	−0.4
CN2	67.1	48	eP	17 44 46.7	−0.1

JUN 29d 19h 45m 38.0 ± 0.07s, SD1.36 / 45
25.19 N ± 1.33km, 124.43 E ± 0.78km, h127 ± 0.94km
South-western Ryukyu Islands (246)

SSE	6.5	335	+P	19 47 13.0	−0.1	
			S	19 48 24.0	−2.6	
			SMN		1.2	0.024
			SME		1.0	0.018
NJ2	8.4	326	eP	19 47 38.5	0.1	
WHN	10.4	303	P	19 48 05.1	0.3	
GYA	16.1	278	P	19 49 20.6	2.6	
XAN	16.1	307	P	19 49 20.0	1.5	
TIY	16.1	324	eP	19 49 23.2	4.3	
BJI	16.3	337	eP	19 49 22.0	0.5	
CN2	18.6	2	−P	19 49 47.8	−0.1	
HHC	18.9	329	+P	19 49 52.1	0.1	
CD2	19.1	292	eP	19 49 52.6	−1.0	
BTO	19.5	325	eP	19 50 02.0	4.0	
LZH	20.7	306	eP	19 50 10.0	−0.6	
GTA	25.1	310	eP	19 50 51.2	−1.5	
WMQ	35.1	311	P	19 52 21.5	−0.2	

JUN 29d 21h 33m 24.9 ± 0.17s, SD4.60 / 6
36.29 N ± 0.29km, 80.84 E ± 1.44km, h32 ± 1.94km
Kashmir-Tibet border region (304)
M_L3.8 / 5,

KSH	5.1	311	ePn	21 34 40.5	1.5	
			eSn	21 35 42.7	4.9	
			SMN	$M_L = 4.1$	0.5	0.20
			SME		0.6	0.20

JUN 30d 01h 16m 07.8 ± 0.05s, SD0.82 / 18
18.85 S ± 0.98km, 175.74 W ± 0.54km, h276 ± 0.51km
Fiji region (181)

CN2	82.3	321	+P	01 28 01.2	0.4
BJI	86.2	314	eP	01 28 21.0	0.7
			epP	01 29 24.5	−0.7

JUN 30d 01h 34m 30.9 ± 0.12s, SD1.07 / 68
6.80 S ± 1.17km, 130.49 E ± 1.80km, h104 ± 0.84km
Banda Sea (280)
m_b5.2 / 7,

QZN	32.8	322	eP	01 40 55.7	−0.6	
SSE	38.7	347	+P	01 41 47.0	0.3	
			PMZ	$m_b = 5.2$	1.0	0.040
			pP	01 42 10.0	−0.3	
			eS	01 47 34.0	−1.9	
			eSS	01 50 24.0	1.9	
			LZ		20.0	0.47
NJ2	40.2	345	+P	01 41 59.0	0.1	
WHN	40.2	338	+P	01 41 59.5	0.3	
			PMZ	$m_b = 5.3$	1.0	0.050
GYA	40.3	326	P	01 42 00.6	0.4	
			PcP	01 44 03.8	2.1	
KMI	41.7	321	+P	01 42 12.5	1.2	
CD2	45.4	327	eP	01 42 40.6	−0.6	
XAN	45.5	335	P	01 42 44.0	2.2	
TIY	47.4	340	eP	01 42 56.5	−0.4	
			S	01 49 39.0	−2.1	
			LZ		14.0	0.60
BJI	48.4	345	+P	01 43 05.0	0.0	
			ePcP	01 44 30.5	1.0	
SNY	48.8	353	+P	01 43 07.2	−0.6	
LZH	49.5	331	−P	01 43 13.5	0.4	
			PMZ	$m_b = 5.3$	1.5	0.066
HHC	50.5	341	eP	01 43 21.0	0.0	
CN2	50.6	355	−P	01 43 21.0	−0.4	
BTO	50.8	340	eP	01 43 22.6	−0.6	
MDJ	51.2	359	eP	01 43 26.0	0.0	
GTA	54.0	331	+iP	01 43 47.2	−0.2	

WMQ	63.5	327	+iP	01 44 52.7	−0.1		
			PMZ	$m_b = 5.2$		1.0	0.030
			PcP	01 45 29.3	1.8		
			S	01 53 17.7	2.5		
KSH	68.2	317	P	01 45 26.0	2.8		
			S	01 54 18.0	5.1		

JUN 30d 03h 35m 37.6 ± 0.04s, SD1.24 / 7
42.11 N ± 0.22km, 129.72 E ± 0.24km, h28 ± 0.65km
North Korea (659)
M_L3.0 / 7,

MDJ	2.5	358	Pn	03 36 18.0	0.9		
			Pg	03 36 22.0	−0.2		
			Sg	03 36 54.0	−2.7		
			SME	$M_L = 2.9$		0.8	0.068
CN2	3.6	300	Pn	03 36 31.8	0.2		
			Pg	03 36 41.0	0.3		
			Sg	03 37 28.0	−1.6		
			SMN	$M_L = 2.8$		0.6	0.030
			SME			0.6	0.020
SNY	4.6	269	+Pg	03 36 59.3	0.5		
			Sg	03 38 00.5	−1.1		
			SMN	$M_L = 3.1$		0.6	0.038
			SME			0.5	0.022

JUN 30d 07h 00m 55.5 ± 0.15s, SD2.31 / 16
48.69 S ± 3.62km, 113.12 W ± 4.37km, h4 ± 0.72km
Easter Island Cordillera (684)

TIY	145.5	269	+PKP	07 20 35.3	−0.9		
			LZ	$M_S = 5.5$		14.0	0.48
CD2	147.0	251	ePKP	07 20 40.4	1.8		

JUN 30d 16h 24m 02.7 ± 0.12s, SD2.14 / 28
35.48 N ± 1.47km, 139.15 E ± 1.55km, h47 ± 1.39km
Near south coast of Honshu (230)
M_S4.0 / 2,

TIA	17.9	279	eP	16 28 10.8	1.1		
BJI	18.7	291	eP	16 28 19.0	−0.9		
WHN	21.3	264	eP	16 28 46.5	−1.7		
TIY	21.5	284	eP	16 28 51.9	1.7		
			eS	16 32 44.0	3.0		
			LN	$M_S = 4.2$		12.0	0.22
			LE			12.0	0.29
			LZ	$M_S = 4.1$		18.0	0.61

JUN 30d 19h 04m 08.8 ± 0.13s, SD0.94 / 23
28.04 N ± 0.14km, 55.33 E ± 0.64km, h53 ± 1.42km
Southern Iran (353)

WMQ	30.3	50	eP	19 10 18.2	0.0
GTA	38.4	61	eP	19 11 28.0	1.1
XAN	45.9	69	P	19 12 27.4	−0.9
TIY	48.3	63	eP	19 12 47.2	0.0
BJI	50.9	60	eP	19 13 07.0	−0.5
CN2	57.3	54	P	19 13 57.0	2.8