Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
	MAR 1d 01h 41m 59.4 ± 0.07s, SD1.06 / 9						
	9.76 S ± 0.42km, 112.78 E ± 1.31km, h64 ± 0.87km						
	South of Java				(282)		
	m_b5.0 / 1,						
SSE	41.4	11	−P	01 49 42.6	1.0		
			PMZ	m_b = 5.0		0.8	0.020
BJI	49.6	3	eP	01 50 46.0	−1.0		
	MAR 1d 02h 42m 01.9 ± 0.05s, SD1.04 / 115						
	44.25 N ± 1.56km, 148.85 E ± 1.04km, h35 ± 0.61km						
	Kurile Islands region				(222)		
	M_S5.9 / 54, m_B6.1 / 33, m_b5.6 / 9,						
MDJ	13.8	278	+P	02 45 17.0	−0.2		
			pP	02 45 25.9	1.4		
			sP	02 45 30.0	0.5		
			S	02 47 50.0	0.6		
			sS	02 48 03.0	1.5		
			LE	M_S = 5.8		15.0	34.6
			LZ	M_S = 5.8		20.0	61.9
CN2	16.8	277	+P	02 45 54.0	−2.7		
			pP	02 46 00.0	−4.4		
			eS	02 49 00.0	−1.6		
			LE	M_S = 5.9		15.0	34.2
			LZ	M_S = 5.7		15.0	30.0
SNY	18.6	271	−iP	02 46 18.0	−0.8		
			PMZ	m_B = 5.8		8.0	3.80
			pP	02 46 26.0	−0.6		
			sP	02 46 30.0	−1.4		
			S	02 49 42.0	0.6		
			LN	M_S = 5.7		14.0	9.13
			LE			14.0	16.3
			LZ	M_S = 5.8		17.0	35.3
DL2	21.0	265	+iP	02 46 44.0	−1.0		
			PMZ	m_B = 6.0		5.0	3.90
			pP	02 46 55.0	1.0		
			S	02 50 31.0	−0.5		
			LN	M_S = 5.7		15.0	10.3
			LE			15.0	12.8
			LZ	M_S = 5.3		18.0	9.50
BJI	24.5	272	+P	02 47 20.0	0.6		
			PMZ	m_B = 6.2		4.0	4.10
			epP	02 47 27.0	−1.7		
			esP	02 47 31.0	−1.9		
			eS	02 51 36.0	1.1		
			LN	M_S = 5.9		15.0	11.1
			LE			16.0	18.3
			LZ	M_S = 5.8		18.0	24.9
SSE	25.4	248	+P	02 47 28.0	0.0		
			PMZ	m_b = 5.5		1.3	0.17
			PMZ	m_B = 6.2		8.0	4.71
			pP	02 47 36.0	−1.3		
			sP	02 47 38.5	−3.0		
			PP	02 48 08.0	1.2		
			S	02 51 55.0	5.8		
			LN	M_S = 6.0		16.0	6.86
			LE			17.0	21.4
			LZ	M_S = 5.6		18.0	16.9
TIA	25.4	263	P	02 47 28.4	0.3		
			S	02 51 53.0	3.7		
			sS	02 52 01.0	−4.5		
			LN	M_S = 5.7		14.0	4.06
			LE			17.0	9.94
			LZ	M_S = 5.5		18.0	12.1
NJ2	26.4	253	−P	02 47 38.1	0.8		
			PMZ	m_B = 6.2		6.0	3.15
			pP	02 47 46.0	−0.6		
			S	02 52 05.5	−0.2		
			LN	M_S = 6.1		15.5	15.5
			LE			15.0	19.3
HHC	27.5	276	+P	02 47 48.6	0.7		
			PMZ	m_B = 6.2		5.0	2.87
			S	02 52 30.0	5.9		
			SMN	m_B = 6.5		11.0	5.93
			SME			12.0	11.5
			sS	02 52 40.0	−0.6		
			LN	M_S = 6.0		12.0	7.97
			LE			13.0	13.4
TIY	28.1	269	+P	02 47 53.3	0.4		
			PMZ	m_b = 5.9		1.2	0.29
			sP	02 48 03.0	−3.3		
			S	02 52 39.0	5.9		
			sS	02 52 52.0	2.3		
			LN	M_S = 5.8		17.0	12.7
			LZ	M_S = 5.8		17.0	19.0
BTO	28.7	276	+iP	02 47 59.0	0.5		
			sP	02 48 10.0	−2.0		
			PP	02 48 54.0	3.0		
			S	02 52 45.5	2.4		
			sS	02 52 59.0	−0.8		
			SS	02 54 06.0	−4.9		
			LN	M_S = 6.3		15.0	13.0
			LE			17.0	35.3
			LZ	M_S = 6.0		17.0	30.3
WHN	30.4	255	+P	02 48 13.0	−0.3		
			PMZ	m_b = 5.6		1.5	0.18
			PMZ	m_B = 6.0		5.0	1.23
			S	02 53 07.0	−2.8		
			LN	M_S = 6.1		16.0	16.8
			LE			17.0	18.8
			LZ	M_S = 6.1		18.0	36.8
QZH	31.2	242	+P	02 48 20.0	−0.7		
			PMZ	m_B = 6.3		4.0	2.21
			pP	02 48 27.5	−2.6		
			sP	02 48 32.0	−2.3		
			S	02 53 28.0	5.2		
			SMN	m_B = 6.1		9.0	3.69
			sS	02 53 42.0	2.4		
			LN	M_S = 5.8		18.0	9.58
			LE			18.0	8.86
XAN	32.3	265	P	02 48 30.1	−0.3		
			S	02 53 42.1	2.1		
			LN	M_S = 5.8		13.0	2.69
			LE			16.0	8.74
LZH	35.0	272	eP	02 48 53.5	0.0		
			PMZ	m_B = 6.3		5.0	2.43
			sP	02 49 07.0	0.0		
			SME	m_B = 5.9		6.0	1.60
			LN	M_S = 6.0		15.0	13.2
			LE			14.0	2.00
			LZ	M_S = 5.7		18.0	13.3
GZH	35.9	246	+P	02 49 01.5	0.2		
			eS	02 54 35.0	−1.6		
			LN	M_S = 6.1		17.0	15.4
			LE			16.0	9.80
			LZ	M_S = 5.8		18.0	16.5
GTA	36.4	280	+iP	02 49 06.4	0.7		
			PMZ	m_B = 6.3		4.5	2.39
			sP	02 49 18.2	−1.0		

			PP	02 50 30.5	1.4			
			S	02 54 47.0	3.5			
			sS	02 55 03.0	2.6			
			ScS	02 59 20.0	3.7			
			LE	$M_S=6.0$		13.5	10.4	
			LZ	$M_S=5.8$		15.0	11.4	
CD2	37.7	265	-iP	02 49 17.0	0.9			
			sP	02 49 30.0	0.2			
			S	02 55 04.0	1.4			
			sS	02 55 24.0	4.4			
			LE	$M_S=5.9$		17.0	9.93	
			LZ	$M_S=5.6$		16.0	8.27	
GYA	38.2	257	P	02 49 20.4	-0.5			
			PMZ	$m_b=5.5$		1.6	0.14	
			pP	02 49 29.0	-1.4			
			PP	02 50 51.0	-0.5			
			S	02 55 12.0	0.9			
			ScP	02 55 20.0	1.9			
			PcS	02 55 26.0	3.7			
			LN	$M_S=6.4$		10.0	13.9	
			LE			10.0	13.6	
			LZ	$M_S=5.8$		16.0	11.5	
QZN	41.1	245	+P	02 49 45.0	0.5			
			ePP	02 51 25.0	2.5			
			S	02 56 00.0	6.0			
			sS	02 56 14.0	3.0			
			SS	02 58 58.0	4.8			
			LN	$M_S=6.1$		20.0	9.50	
			LE			21.0	14.3	
KMI	41.8	258	+P	02 49 51.5	0.8			
			PMZ	$m_B=6.3$		5.0	2.20	
			sP	02 50 04.0	-0.3			
			PP	02 51 33.0	2.4			
			S	02 56 08.0	3.2			
			sS	02 56 22.0	0.2			
			LE	$M_S=6.1$		16.0	12.0	
			LZ	$M_S=6.0$		18.0	20.0	
WMQ	43.1	292	P	02 50 01.5	0.9			
			PMZ	$m_B=6.5$		4.0	3.23	
			sP	02 50 16.0	1.6			
			S	02 56 24.0	1.2			
			sS	02 56 42.4	2.5			
			LN	$M_S=6.5$		14.0	17.1	
			LE			14.0	23.7	
LSA	47.4	272	+P	02 50 37.5	1.8			
			sP	02 50 48.3	-0.7			
			PP	02 52 27.5	2.0			
			LN	$M_S=5.8$		15.0	3.30	
			LE			17.0	4.50	
KSH	52.9	292	+iP	02 51 18.0	1.0			
			eS	02 58 42.0	-0.3			
			LE	$M_S=6.2$		14.0	10.6	

MAR 1d 03h 25m 04.8 ± 0.08s, SD1.65 / 108
21.74 N ± 1.17km, 97.98 E ± 1.15km, h14 ± 0.12km
Burma (296)
M_S6.1 / 46, M_L5.4 / 1, m_B5.8 / 17,

KMI	5.5	51	+Pn	03 26 31.0	3.8			
			Pg	03 26 49.0	6.7			
			Sn	03 27 34.0	1.6			
			Sg	03 27 58.0	0.2			
			LN	$M_S=6.2$		8.0	214	
GYA	9.2	58	P	03 27 21.0	0.3			
			S	03 29 07.0	2.1			
			LN	$M_S=6.1$		8.0	46.7	
			LE			8.0	58.9	
LSA	10.0	324	P	03 27 33.8	1.5			
			S	03 29 29.0	4.0			
			LN	$M_S=5.5$		8.0	16.7	
CD2	10.5	28	eP	03 27 38.8	0.5			
			eS	03 29 35.0	-1.9			
			LE	$M_S=6.1$		8.0	61.2	
			LZ	$M_S=5.9$		7.0	35.3	
QZN	11.5	101	P	03 27 48.7	-2.5			
			S	03 30 02.0	2.4			
			LN	$M_S=5.7$		12.0	30.3	
			LE			11.5	20.0	
GZH	14.3	82	eP	03 28 28.7	-0.2			
			S	03 31 10.0	2.4			
			LE	$M_S=6.2$		7.0	45.3	
			LZ	$M_S=5.6$		14.0	25.3	
LZH	15.2	18	-iP	03 28 43.5	2.5			
			PMZ	$m_b=5.9$		1.5	0.88	
			PMZ	$m_B=6.1$		4.0	3.63	
			SS	03 31 48.0	1.5			
			LN	$M_S=6.0$		8.0	28.5	
			LE			8.0	10.4	
			LZ	$M_S=5.9$		8.0	30.4	
XAN	15.6	36	P	03 28 43.6	-2.6			
			S	03 31 38.0	-0.7			
			LN	$M_S=6.2$		12.0	56.5	
			LE			10.0	32.2	
WHN	17.1	56	-P	03 29 03.5	-1.8			
			PMZ	$m_B=5.8$		4.0	1.83	
			S	03 32 12.0	-1.6			
			sS	03 32 24.0	1.4			
			LN	$M_S=6.2$		12.0	38.3	
			LE			10.0	30.7	
			LZ	$M_S=5.7$		16.0	30.0	
GTA	17.7	5	-P	03 29 12.3	-0.5			
			S	03 32 31.0	4.1			
			sS	03 32 41.0	5.1			
			LE	$M_S=6.1$		11.0	41.7	
			LZ	$M_S=5.7$		11.0	19.9	
QZH	19.2	76	P	03 29 32.0	0.9			
			eS	03 33 03.0	1.4			
			LN	$M_S=6.3$		6.0	31.0	
			LZ	$M_S=5.9$		8.0	22.5	
TIY	20.2	35	-P	03 29 41.6	-1.1			
			PMZ	$m_b=5.7$		1.3	0.41	
			S	03 33 28.0	4.3			
			sS	03 33 37.5	4.8			
			LN	$M_S=6.2$		10.0	31.5	
			LE			9.0	16.9	
			LZ	$M_S=5.7$		16.0	24.1	
NJ2	21.2	57	+P	03 29 53.0	0.1			
			PMZ	$m_B=5.5$		5.0	1.10	
			S	03 33 50.0	6.9			
BTO	21.4	26	-iP	03 29 54.6	-0.1			
TIA	22.0	45	P	03 30 01.0	-0.1			
			SME	$m_B=5.7$		10.0	3.37	
			LN	$M_S=6.3$		16.0	34.6	
			LE			16.0	40.2	
			LZ	$M_S=5.8$		10.0	17.4	
HHC	22.3	28	-P	03 30 04.0	0.6			
			S	03 34 03.0	0.8			
			SMN	$m_B=5.9$		12.0	3.41	
			SME			11.0	4.10	
			LN	$M_S=6.1$		11.0	18.0	
			LE			11.0	21.0	
			LZ	$M_S=5.6$		12.0	12.8	
SSE	22.7	61	eP	03 30 08.5	0.5			
			sP	03 30 17.8	0.7			
			LE	$M_S=6.4$		12.0	54.5	
			LZ	$M_S=5.9$		10.0	19.3	
WMQ	23.6	341	P	03 30 19.0	2.4			

			PMZ		$m_B = 6.1$		4.0	2.75
			pP	03 30 23.0		0.6		
			S	03 34 28.0		1.7		
			sS	03 34 40.0		3.2		
			LN		$M_S = 5.8$		12.0	8.88
			LE				12.0	9.41
			LZ		$M_S = 5.4$		14.0	9.33
BJI	23.9	36	eP	03 30 20.5		0.9		
			PMZ		$m_B = 5.9$		4.0	1.63
			eS	03 34 31.0		−1.7		
			eSS	03 35 22.0		0.0		
			LN		$M_S = 5.9$		11.0	11.8
			LE				11.0	5.40
			LZ		$M_S = 5.7$		12.0	14.4
KSH	25.9	318	eP	03 30 38.0		−0.1		
			S	03 35 02.0		−2.2		
			LE		$M_S = 6.0$		14.0	22.3
			LZ		$M_S = 5.6$		14.0	12.1
DL2	26.5	45	eP	03 30 44.0		−0.1		
			LN		$M_S = 6.2$		17.0	18.4
			LE				15.0	30.8
SNY	29.4	41	eP	03 31 07.6		−2.5		
			LN		$M_S = 6.1$		18.5	19.3
			LE				18.5	19.0
CN2	31.7	40	eP	03 31 33.0		2.8		
			esP	03 31 42.0		2.7		
			eS	03 36 40.0		2.0		
			LN		$M_S = 5.9$		12.0	10.0

MAR 1d 04h 26m 26.0 ± 0.09s, SD0.77 / 65
5.04 S ± 1.54km, 149.89 E ± 1.13km, h9 ± 0.05km
New Britain region (192)
m_b5.6 / 1,

QZN	46.1	302	P	04 34 53.6		0.7		
			eS	04 41 35.0		−3.4		
NJ2	47.3	323	eP	04 35 01.0		−0.9		
WHN	49.1	318	−P	04 35 16.6		0.6		
TIA	51.2	326	P	04 35 32.0		−0.6		
GYA	52.3	309	P	04 35 41.2		0.7		
CN2	53.4	338	eP	04 35 50.0		1.3		
BJI	54.5	328	eP	04 35 57.0		−0.1		
			PcP	04 37 00.5		0.9		
XAN	54.8	318	P	04 35 59.1		−0.3		
TIY	55.0	324	+P	04 36 00.4		−0.1		
CD2	56.7	312	eP	04 36 13.2		0.2		
HHC	57.6	326	eP	04 36 19.8		0.5		
BTO	58.3	325	eP	04 36 24.0		−0.2		
LZH	59.4	317	eP	04 36 32.5		0.4		
			PMZ		/ $m_b = 5.6$		1.5	0.13
GTA	63.9	319	−P	04 37 02.4		0.2		
LSA	66.0	305	−P	04 37 16.7		0.6		
WMQ	74.0	318	P	04 38 04.8		0.4		

MAR 1d 09h 28m 51.8 ± 0.10s, SD2.14 / 29
21.53 N ± 1.31km, 97.85 E ± 1.55km, h11 ± 0.52km
Burma (296)
M_S4.3 / 5, M_L4.5 / 4, m_b4.7 / 1,

KMI	5.7	51	+Pg	09 30 37.0		3.5		
			Sg	09 31 47.5		−4.2		
			SMN		$M_L = 4.5$		1.0	0.40
			SME				1.0	0.40
			LN		$M_S = 4.3$		7.0	2.30
GYA	9.4	57	P	09 31 08.6		−2.4		
			S	09 32 52.0		−5.7		
			SMN				1.6	0.080
			SME				1.6	0.090
CD2	10.7	28	eP	09 31 30.6		1.7		
QZN	11.5	100	eP	09 31 35.0		−4.6		
			LN		$M_S = 4.0$		12.0	0.70
LZH	15.4	19	eP	09 32 32.5		1.1		
			PMZ		$m_b = 4.7$		2.5	0.080
WHN	17.3	55	eP	09 32 55.5		0.1		
GTA	17.9	5	eP	09 33 07.0		4.1		
			LE		$M_S = 4.6$		8.5	0.83
TIY	20.5	35	eP	09 33 33.6		1.0		
BTO	21.6	26	eP	09 33 44.5		0.0		
			epP	09 33 50.0		0.1		
			eS	09 37 37.0		−2.3		
			LN		$M_S = 4.5$		10.0	0.30
			LE				10.0	0.50
WMQ	23.8	342	eP	09 34 03.0		−2.5		
BJI	24.2	36	P	09 34 10.0		0.7		

MAR 1d 13h 00m 33.0 ± 0.09s, SD2.19 / 91
31.50 N ± 1.04km, 102.49 E ± 1.02km, h13 ± 0.17km
Sichuan Province (307)
M_S5.0 / 42, M_L4.7 / 9, m_B5.5 / 2,

CD2	1.2	118	−iPg	13 00 57.0		2.0		
			Sg	13 01 18.0		6.1		
			LN				3.0	23.9
LZH	4.7	13	Pn	13 01 47.0		2.6		
			Pg	13 02 03.0		6.9		
			LN		$M_S = 5.1$		7.0	12.5
			LE				6.0	14.2
			LZ		$M_S = 4.7$		10.0	9.20
XAN	6.0	63	Pn	13 02 03.8		2.1		
			Pg	13 02 21.5		3.0		
			Sn	13 03 15.3		3.1		
			Sg	13 03 43.5		3.2		
			SMN		$M_L = 4.7$		0.9	0.63
			SME				1.0	0.60
GYA	6.2	143	Pn	13 02 08.2		3.2		
			Sg	13 03 50.0		2.3		
			LN		$M_S = 5.3$		8.0	14.2
			LE				8.0	16.7
			LZ		$M_S = 4.6$		10.0	4.80
KMI	6.4	178	+Pn	13 02 10.0		2.9		
			Sn	13 03 27.0		5.4		
			LN		$M_S = 5.0$		9.0	8.70
			LE				6.0	6.60
			LZ		$M_S = 5.0$		10.0	11.9
GTA	8.2	345	P	13 02 36.1		1.4		
			LE		$M_S = 5.0$		11.0	10.3
			LZ		$M_S = 4.5$		10.0	3.21
LSA	9.9	262	P	13 03 01.1		1.8		
			S	13 04 56.6		5.6		
			LN		$M_S = 4.7$		10.0	3.90
WHN	10.2	92	+P	13 03 02.5		−0.2		
			PMZ		$m_b = 5.1$		1.0	0.060
			S	13 04 54.0		−4.0		
			LN		$M_S = 5.0$		9.0	1.77
			LE				11.0	7.24
			LZ		$M_S = 4.6$		16.0	4.79
TIY	10.3	50	eP	13 03 03.0		−0.5		
			S	13 04 59.0		−0.2		
			LN		$M_S = 4.9$		10.0	5.00
			LZ		$M_S = 4.7$		14.0	5.24
BTO	10.9	32	P	13 03 12.0		−0.6		
			eS	13 05 16.0		0.2		
			LN		$M_S = 5.5$		8.0	4.30
			LE				8.0	13.6
			LZ		$M_S = 5.0$		8.0	4.90
HHC	11.9	36	eP	13 03 24.0		−1.2		
			LN		$M_S = 5.3$		10.0	5.40
			LE				9.0	6.90
			LZ		$M_S = 5.1$		10.0	7.30

GZH	12.8	128	eP	13 03 36.0	−1.4		
			eS	13 06 02.6	2.0		
			LN	M_S=5.2		10.0	4.93
			LE			10.0	5.58
			LZ	M_S=4.7		15.0	4.26
TIA	13.0	65	P	13 03 43.0	2.0		
			LN	M_S=4.7		13.0	3.13
			LZ	M_S=4.2		19.0	1.51
NJ2	13.9	83	+P	13 03 53.2	0.4		
			S	13 06 24.0	−4.0		
			LN	M_S=4.9		12.0	3.44
			LE			10.0	1.64
			LZ	M_S=4.5		18.0	2.98
BJI	14.0	49	eP	13 03 53.5	0.0		
			LN	M_S=5.2		8.0	4.30
			LE			8.0	3.00
			LZ	M_S=4.7		12.0	2.70
QZN	14.1	150	eP	13 03 53.3	−1.4		
			eS	13 06 27.0	−5.0		
			LN	M_S=5.2		11.0	3.60
			LE			10.0	5.60
QZH	15.6	111	−P	13 04 17.0	2.2		
			eSS	13 07 30.0	4.3		
			LN	M_S=5.0		10.0	3.13
			LZ	M_S=4.9		12.0	4.22
SSE	16.0	87	eP	13 04 20.0	0.4		
			PMZ	m_B=5.3		5.0	0.76
			eSS	13 07 40.0	4.9		
			LE	M_S=4.9		14.0	3.15
			LZ	M_S=4.7		16.0	3.03
WMQ	16.9	321	eP	13 04 35.0	3.2		
			sP	13 04 42.0	1.8		
			S	13 07 42.0	3.7		
			sS	13 07 46.0	−1.0		
			LN	M_S=5.1		10.0	1.72
			LE			12.0	3.60
			LZ	M_S=4.8		12.0	2.93
DL2	17.3	59	eP	13 04 40.0	4.1		
			LN	M_S=4.9		15.0	3.30
			LZ	M_S=4.4		14.0	1.30
SNY	19.8	53	eP	13 05 05.8	0.0		
			LN	M_S=5.4		13.0	6.32
			LE			12.0	3.92
			LZ	M_S=4.9		16.0	4.10
CN2	21.9	49	+iP	13 05 28.0	0.4		
			pP	13 05 35.0	1.7		
			eS	13 09 26.0	2.0		
			LN	M_S=5.0		13.0	2.40
			LZ	M_S=5.2		16.0	6.20
MDJ	24.9	51	eP	13 05 57.5	0.1		
			SME	m_B=5.6		10.0	1.93
			LZ	M_S=4.9		20.0	3.98

MAR 1d 13h 08m 18.5 ± 0.06s, SD1.16 / 89
44.10 N ± 1.93km, 149.04 E ± 1.21km, h31 ± 0.77km
Kurile Islands region (222)
M_S5.0 / 22, m_B5.8 / 1, m_b5.4 / 7,

MDJ	13.9	279	eP	13 11 35.5	−0.6		
			pP	13 11 42.0	−1.1		
			S	13 14 11.0	0.7		
			LN	M_S=4.9		14.0	4.34
			LZ	M_S=4.9		16.0	7.02
CN2	17.0	277	P	13 12 14.0	−1.5		
			epP	13 12 22.0	−0.8		
			LE	M_S=5.0		13.0	3.50
			LZ	M_S=5.0		16.0	6.00
SNY	18.8	272	eP	13 12 37.4	−0.1		
DL2	21.1	265	P	13 13 03.5	0.2		
BJI	24.6	272	+P	13 13 38.0	0.2		
			epP	13 13 47.0	0.5		
			eS	13 17 54.0	−0.7		
			LN	M_S=5.0		14.0	1.40
			LE			15.0	1.50
			LZ	M_S=5.0		16.0	3.40
SSE	25.5	249	+P	13 13 47.0	1.3		
			PMZ	m_b=5.1		1.2	0.066
			pP	13 13 58.5	4.1		
			sP	13 14 00.5	2.2		
			LN	M_S=5.0		14.0	1.33
			LE			15.0	1.49
			LZ	M_S=4.7		17.0	1.79
TIA	25.5	263	P	13 13 46.5	0.3		
			sP	13 13 58.8	0.0		
			LN	M_S=5.0		15.5	1.16
			LE			15.5	1.74
NJ2	26.5	253	+P	13 13 55.0	−0.2		
			sP	13 14 10.6	2.7		
			eS	13 18 23.0	−2.2		
			LN	M_S=5.0		13.0	1.17
			LE			15.0	1.45
			LZ	M_S=4.9		18.0	2.98
HHC	27.7	276	+P	13 14 05.0	−1.3		
			S	13 18 43.0	−0.9		
			LN	M_S=5.1		12.0	1.59
			LE			12.0	1.14
			LZ	M_S=5.0		18.0	3.70
TIY	28.2	270	eP	13 14 11.5	0.3		
			pP	13 14 16.0	−3.8		
			S	13 18 50.0	−2.7		
			LN	M_S=4.9		13.0	1.17
			LZ	M_S=4.8		15.0	1.78
BTO	28.9	277	eP	13 14 16.5	−0.4		
			sP	13 14 30.5	1.0		
			eS	13 19 04.0	0.0		
			LN	M_S=5.2		14.0	1.90
			LE			14.0	2.20
			LZ	M_S=5.0		14.0	2.40
WHN	30.5	255	eP	13 14 30.5	−0.7		
			sP	13 14 43.0	−1.0		
XAN	32.4	266	+P	13 14 48.3	−0.2		
LZH	35.1	273	+iP	13 15 12.5	0.7		
			PMZ	m_b=6.1		1.0	0.37
			sP	13 15 24.5	0.1		
			LZ	M_S=5.0		16.0	2.04
GTA	36.6	280	+iP	13 15 25.0	0.9		
			sS	13 21 22.0	2.9		
			LN	M_S=5.1		12.5	1.37
			LZ	M_S=4.9		14.0	1.56
CD2	37.8	265	P	13 15 35.0	0.8		
GYA	38.3	257	P	13 15 37.2	−1.5		
			pP	13 15 50.0	2.3		
			ScP	13 21 30.6	−5.5		
			S	13 21 31.6	1.6		
QZN	41.1	245	eP	13 16 03.4	1.4		
KMI	41.9	259	+P	13 16 09.0	0.4		
			pP	13 16 20.0	2.6		
WMQ	43.2	292	+iP	13 16 20.3	1.1		
			pP	13 16 30.0	1.8		
			S	13 22 48.0	5.1		
			LN	M_S=5.6		14.0	1.71
			LE			14.0	2.51
			LZ	M_S=5.3		18.0	3.12
LSA	47.5	273	+P	13 16 55.0	1.1		

MAR 1d 17h 21m 09.3 ± 0.08s, SD1.32 / 73
44.22 N ± 2.27km, 149.02 E ± 1.40km, h35 ± 1.29km

Kurile Islands region (222)
M_S4.2 / 1, m_b5.0 / 3,

MDJ	13.9	278	eP	17 24 27.0	0.7			
CN2	17.0	277	eP	17 25 04.7	−1.0			
SNY	18.7	272	−P	17 25 27.4	−0.4			
DL2	21.1	265	eP	17 25 53.0	−0.7			
BJI	24.6	272	eP	17 26 28.0	0.0			
			LZ	M_S=4.4		16.0	0.90	
SSE	25.5	249	eP	17 26 36.8	0.4			
			sP	17 26 52.0	2.1			
			LZ	M_S=4.1		16.0	0.45	
TIA	25.5	263	P	17 26 36.8	0.2			
NJ2	26.5	253	+P	17 26 48.5	2.7			
			sP	17 27 00.0	0.6			
			LZ	M_S=4.4		15.0	0.77	
HHC	27.7	276	−P	17 26 57.2	0.8			
TIY	28.2	269	eP	17 27 04.8	3.3			
			LZ	M_S=4.2		16.0	0.48	
BTO	28.8	277	eP	17 27 07.0	−0.1			
WHN	30.5	255	eP	17 27 20.5	−1.2			
XAN	32.4	266	P	17 27 37.8	−1.1			
LZH	35.1	272	eP	17 28 02.5	0.5			
			PMZ	m_b=5.5		1.5	0.13	
			pP	17 28 12.5	1.0			
GTA	36.5	280	+iP	17 28 14.8	0.6			
CD2	37.8	265	eP	17 28 24.6	0.0			
GYA	38.3	257	P	17 28 28.2	−1.0			
KMI	41.9	259	+P	17 28 59.0	−0.1			
WMQ	43.2	292	P	17 29 10.0	0.9			
			sP	17 29 22.0	−0.9			
			eS	17 35 34.0	0.8			
			LZ	M_S=4.7		18.0	0.81	

MAR 1d 19h 01m 27.9 ± 0.06s, SD0.72 / 30
27.60 S ± 1.41km, 66.00 E ± 1.75km, h9 ± 0.13km
South Indian Ocean (425)
m_b5.4 / 1,

GYA	66.5	40	P	19 12 21.0	0.2
CD2	68.4	34	eP	19 12 32.6	−0.5
XAN	73.6	36	P	19 13 04.0	−0.1
GTA	73.7	27	eP	19 13 05.1	−0.1
WMQ	73.8	16	eP	19 13 04.0	−1.5
WHN	74.0	42	eP	19 13 06.0	−0.4
BTO	79.2	33	eP	19 13 36.4	0.4
HHC	80.1	33	eP	19 13 42.0	0.9
BJI	81.9	37	eP	19 13 50.5	0.4

MAR 1d 19h 11m 59.7 ± 0.08s, SD1.00 / 29
31.72 N ± 1.21km, 49.57 E ± 0.81km, h51 ± 0.31km
Western Iran (347)
m_b4.9 / 1,

WMQ	32.2	57	eP	19 18 25.2	−0.4
GTA	41.1	65	eP	19 19 41.4	0.2
XAN	49.3	70	P	19 20 45.3	−0.8
GYA	49.7	81	P	19 20 50.8	1.5
WHN	54.7	73	eP	19 21 25.0	−1.6

MAR 1d 22h 48m 17.8 ± 0.05s, SD1.10 / 28
36.47 N ± 0.79km, 70.72 E ± 0.77km, h192 ± 0.38km
Hindu Kush region (718)
m_b4.5 / 2,

KSH	5.1	52	eP	22 49 37.0	2.4		
			S	22 50 34.0	0.6		
			LN			4.0	1.70
WMQ	14.9	55	P	22 51 41.8	1.2		
			eS	22 54 25.6	4.6		
			SME			1.5	0.030
LSA	18.4	106	−P	22 52 23.6	2.2		
GTA	23.1	74	+iP	22 53 09.6	1.0		
GYA	32.1	98	P	22 54 29.4	0.0		

MAR 2d 00h 47m 26.0 ± 0.17s, SD2.52 / 5
22.11 N ± 1.15km, 98.27 E ± 0.72km, h15 ± km
Burma (296)
M_L4.0 / 2,

GYA	8.8	59	P	00 49 35.6	−0.4		

MAR 2d 05h 15m 03.6 ± 0.09s, SD0.79 / 68
51.00 N ± 1.94km, 175.99 E ± 0.84km, h33 ± 0.10km
Rat Islands (6)
M_S4.7 / 1, m_b5.3 / 2,

MDJ	31.4	277	eP	05 21 23.6	−0.5		
CN2	34.4	278	−P	05 21 49.4	−0.7		
SNY	36.6	276	+iP	05 22 09.9	1.1		
DL2	39.5	274	P	05 22 33.0	0.1		
BJI	42.2	279	eP	05 22 56.5	0.8		
TIA	43.9	274	−P	05 23 09.7	0.0		
HHC	44.6	283	+iP	05 23 17.8	2.6		
NJ2	45.5	268	+P	05 23 22.8	0.3		
BTO	45.7	284	P	05 23 25.2	1.2		
TIY	46.0	279	+iP	05 23 27.6	1.7		
WHN	49.4	270	+P	05 23 52.5	−0.1		
XAN	50.5	278	P	05 24 01.2	0.1		
LZH	52.3	283	eP	05 24 15.0	0.0		
			PMZ	m_b=5.3		1.5	0.066
GTA	52.6	289	P	05 24 17.2	−0.1		
CD2	55.8	278	eP	05 24 40.3	−0.3		
WMQ	56.7	300	−P	05 24 47.0	−0.3		
GYA	57.1	272	P	05 24 49.0	−0.8		

MAR 2d 07h 13m 46.4 ± 0.08s, SD0.99 / 72
18.46 N ± 1.15km, 68.67 W ± 1.65km, h137 ± 0.49km
Dominican Republic region (88)

CN2	116.7	349	ePKP	07 32 14.5	−1.0
HHC	121.0	360	PKP	07 32 24.8	0.8
BTO	121.2	1	ePKP	07 32 25.2	0.8
GTA	121.4	10	ePKP	07 32 24.6	−0.3
BJI	121.6	356	ePKP	07 32 25.5	0.5
TIY	124.1	359	−iPKP	07 32 30.7	0.7
LZH	125.3	7	ePKP	07 32 33.0	0.7
TIA	125.4	354	+PKP	07 32 32.2	−0.1
XAN	127.8	3	PKP	07 32 37.6	0.6
NJ2	129.3	352	+PKP	07 32 40.0	0.2
SSE	129.8	349	PKP	07 32 41.5	0.6
CD2	130.4	9	ePKP	07 32 43.2	1.2
WHN	131.2	357	−PKP	07 32 44.5	1.0
GYA	135.1	6	PKP	07 32 51.4	0.4
			pPKP	07 33 27.4	0.1
KMI	135.9	11	+PKP	07 32 53.0	0.5

MAR 2d 10h 15m 52.4 ± 0.10s, SD2.08 / 22
39.79 N ± 1.09km, 117.47 E ± 0.79km, h10 ± 0.19km
North−Eastern China (658)
M_L3.5 / 21,

BJI	1.0	284	Pg	10 16 11.0	0.4		
			Sg	10 16 24.0	−0.6		
			SMN	M_L=2.6		0.5	0.16
			SME			0.5	0.11
DL2	3.3	104	Pg	10 16 52.0	0.5		
			Sg	10 17 38.0	0.8		
			SMN	M_L=3.3		0.8	0.12
			SME			0.8	0.070
TIA	3.6	184	Pn	10 16 44.8	−3.6		
			Pg	10 16 53.7	−2.0		
			SMN	M_L=3.0		0.4	0.029
			SME			0.4	0.050

TIY	4.4	244	+iPg	10 17 11.0	−0.1		
			Sg	10 18 07.6	−4.1		
			SMN	$M_L = 3.3$		0.8	0.050
			SME			0.8	0.060
HHC	4.6	285	Pg	10 17 15.0	0.6		
			Sg	10 18 18.0	0.4		
			SMN	$M_L = 3.7$		0.8	0.11
			SME			0.8	0.11
SNY	5.1	64	ePg	10 17 25.4	3.5		
			Sg	10 18 30.3	−0.8		
			SMN	$M_L = 3.5$		1.0	0.057
			SME			1.0	0.043
BTO	5.8	280	Pg	10 17 34.4	0.1		
			Sg	10 18 49.0	−3.9		
			SMN	$M_L = 3.4$		0.8	0.040
			SME			0.8	0.020
WHN	9.6	196	eP	10 18 13.0	−0.5		

MAR 2d 11h 32m 54.4 ± 0.45s, SD2.93 / 27
3.95 S ± 3.13km, 78.00 W ± 7.22km, h11 ± 3.77km
Peru–Ecuador border region (110)

BJI	141.9	342	ePKP	11 52 31.0	3.5		
GTA	144.6	3	+PKP	11 52 28.6	−3.9		
TIY	145.1	345	−PKP	11 52 30.6	−2.5		
SSE	147.5	328	PKP	11 52 37.2	0.1		
NJ2	147.9	332	ePKP	11 52 37.5	−0.2		
LZH	148.0	357	ePKP	11 52 39.0	0.9		
XAN	149.4	349	PKP	11 52 42.2	2.0		
WHN	151.1	338	ePKP	11 52 46.0	3.2		

MAR 2d 12h 38m 15.1 ± 0.22s, SD1.86 / 18
44.59 N ± 4.03km, 148.59 E ± 1.44km, h44 ± 2.60km
Kurile Islands (221)

BJI	24.3	271	eP	12 43 30.0	0.1		
GTA	36.2	279	eP	12 45 12.5	−3.5		
CD2	37.5	264	eP	12 45 26.2	−0.9		
WMQ	42.7	291	P	12 46 11.8	1.3		

MAR 2d 13h 02m 06.9 ± 0.03s, SD0.70 / 17
44.40 N ± 1.06km, 149.10 E ± 0.62km, h34 ± 0.19km
Kurile Islands region (222)

BJI	24.7	271	eP	13 07 25.5	−0.8		
GTA	36.6	280	eP	13 09 12.4	0.3		
WMQ	43.2	292	P	13 10 07.2	0.5		

MAR 2d 14h 10m 27.9 ± 0.18s, SD1.76 / 38
0.56 S ± 1.63km, 77.43 W ± 3.44km, h32 ± 1.41km
Ecuador (107)

WMQ	134.9	15	ePKP	14 29 46.0	0.8		
HHC	139.1	350	ePKP	14 29 53.4	0.6		
BTO	139.6	351	ePKP	14 29 53.8	0.1		
GTA	141.2	3	ePKP	14 29 53.4	−3.3		
LZH	144.6	358	ePKP	14 30 02.0	−0.6		
SSE	144.9	332	ePKP	14 30 01.3	−1.5		
NJ2	145.1	335	−PKP	14 30 02.0	−1.2		
XAN	146.2	350	PKP	14 30 06.5	1.4		
WHN	148.1	340	ePKP	14 30 11.0	2.7		
GYA	153.9	352	PKP	14 30 18.8	1.6		

MAR 2d 22h 18m 02.3 ± 0.08s, SD1.32 / 62
44.18 N ± 2.29km, 148.98 E ± 1.72km, h29 ± 0.70km
Kurile Islands region (222)
m_b5.0 / 2,

MDJ	13.9	279	eP	22 21 20.5	1.0		
			pP	22 21 26.0	−0.2		
CN2	16.9	277	eP	22 21 59.0	0.0		
SNY	18.7	272	−iP	22 22 21.4	0.3		
BJI	24.6	272	eP	22 23 21.5	0.0		
			LZ	$M_S = 3.9$		18.0	0.39
TIA	25.5	263	eP	22 23 27.7	−2.4		
NJ2	26.5	253	−P	22 23 42.0	2.9		
HHC	27.6	276	eP	22 23 50.0	0.1		
TIY	28.2	269	eP	22 23 56.4	1.5		
			LZ	$M_S = 4.2$		16.0	0.48
BTO	28.8	277	eP	22 24 01.7	1.1		
WHN	30.5	255	eP	22 24 15.0	−0.2		
XAN	32.4	266	P	22 24 33.2	0.8		
LZH	35.1	273	eP	22 24 51.0	−4.5		
			PMZ	$m_b = 5.2$		1.5	0.070
GTA	36.5	280	+P	22 25 08.2	0.4		
CD2	37.8	265	eP	22 25 18.2	0.1		
GYA	38.3	257	P	22 25 21.6	−1.1		

MAR 3d 02h 12m 06.5 ± 0.13s, SD3.21 / 12
34.01 N ± 1.04km, 105.05 E ± 1.23km, h14 ± 0.42km
Gansu Province (322)
M_L3.2 / 9,

LZH	2.3	335	Pn	02 12 45.0	0.5		
			Pg	02 12 47.5	0.4		
			Sn	02 13 18.0	3.8		
			SMN	$M_L = 3.7$		1.0	0.46
			SME			1.0	0.50
GYA	7.7	169	ePg	02 14 26.4	4.5		
			Sg	02 16 01.4	−4.9		

MAR 4d 05h 17m 29.1 ± 0.07s, SD1.18 / 48
36.19 N ± 1.18km, 70.11 E ± 1.01km, h137 ± 0.35km
Hindu Kush region (718)
m_b5.0 / 4,

KSH	5.7	52	−iP	05 18 55.0	2.4		
			sP	05 19 27.0	2.6		
			S	05 19 58.0	1.3		
			LN			4.0	4.70
WMQ	15.5	55	eP	05 21 00.0	−1.3		
			sP	05 21 37.0	−1.7		
			S	05 23 44.2	−4.0		
			LN			5.0	0.45
			LE			5.0	0.46
LSA	18.8	104	P	05 21 42.5	1.5		
GTA	23.6	73	+P	05 22 30.0	0.8		
LZH	27.2	80	eP	05 23 02.5	0.4		
			PMZ	$m_b = 4.9$		1.5	0.044
BTO	31.4	70	eP	05 23 40.0	0.3		
XAN	31.7	82	P	05 23 41.7	−0.4		
GYA	32.5	97	P	05 23 49.2	−0.4		
TIY	33.6	75	eP	05 23 59.0	−0.1		
WHN	37.1	86	−P	05 24 29.0	0.5		
NJ2	40.2	81	−P	05 24 54.8	0.6		

MAR 4d 14h 45m 42.7 ± 0.10s, SD1.10 / 28
6.98 S ± 1.10km, 125.29 E ± 0.51km, h524 ± 1.50km
Banda Sea (280)

WHN	38.8	345	eP	14 52 24.5	1.2		
NJ2	39.3	351	+P	14 52 28.7	1.1		
XAN	43.6	340	P	14 53 01.6	−0.8		
LZH	47.3	336	eP	14 53 30.5	−0.6		
BJI	47.5	351	eP	14 53 30.0	−2.3		
CN2	50.5	0	eP	14 53 53.8	−1.0		
GTA	51.8	335	−iP	14 54 04.2	−0.2		

MAR 4d 22h 27m 53.2 ± 0.07s, SD0.93 / 48
54.25 N ± 1.65km, 169.19 E ± 0.84km, h9 ± 0.12km
Komandorsky Islands region (4)
M_S4.9 / 9, m_b5.4 / 1,

MDJ	27.2	266	eP	22 33 38.8	−0.4		
			S	22 38 15.0	−0.5		

			LN		$M_S=4.7$		20.0	1.33
CN2	30.1	268	eP	22 34 04.2		−1.1		
SNY	32.4	266	eP	22 34 25.3		−0.2		
HHC	40.0	275	eP	22 35 31.5		0.9		
			LN		$M_S=5.0$		13.0	0.70
			LE				13.0	0.50
BTO	41.1	276	eP	22 35 40.0		0.6		
			esP	22 35 45.0		−2.4		
			eS	22 41 51.5		−0.9		
			LN		$M_S=5.3$		14.0	1.30
			LE				14.0	1.10
TIY	41.6	270	eP	22 35 44.0		0.7		
			sS	22 42 12.0		3.8		
			LN		$M_S=5.0$		11.0	0.53
			LE				13.0	0.58
			LZ		$M_S=4.5$		22.0	0.78
WHN	45.5	261	eP	22 36 14.5		−0.6		
XAN	46.2	269	P	22 36 20.5		0.1		
LZH	47.7	275	eP	22 36 33.0		0.3		
			PMZ		$m_b=5.4$		1.5	0.10
			LN		$M_S=5.2$		15.0	1.30
GTA	47.8	282	+iP	22 36 33.4		0.1		
			LE		$M_S=4.9$		12.0	0.54
WMQ	51.6	294	eP	22 37 02.2		−0.2		
			sP	22 37 09.0		−1.4		
			eS	22 44 20.0		−2.2		
			LZ		$M_S=5.4$		20.0	4.08
GYA	53.0	265	P	22 37 13.8		0.5		

MAR 5d 05h 30m 56.5 ± 0.09s, SD1.61 / 48
29.47 N ± 1.39km, 131.00 E ± 1.33km, h54 ± 0.64km
Ryukyu Islands (238)
m_b4.7 / 1,

SSE	8.6	283	P	05 33 01.8		0.2		
			PMZ		$m_b=4.7$		1.0	0.022
TIA	13.5	304	eP	05 34 07.8		1.1		
CN2	15.0	344	eP	05 34 30.0		3.4		
MDJ	15.2	356	eP	05 34 32.5		3.5		
BJI	16.1	315	eP	05 34 41.0		0.2		
TIY	17.5	303	eP	05 34 58.6		0.1		
			sS	05 38 21.0		−4.3		
XAN	19.3	289	P	05 35 17.7		−2.4		
HHC	19.5	311	eP	05 35 20.9		−1.2		
BTO	20.4	309	eP	05 35 34.8		2.9		
GYA	21.7	268	eP	05 35 45.0		0.1		
CD2	23.6	280	eP	05 36 03.4		0.1		
LZH	23.7	293	eP	05 36 04.5		−0.4		
GTA	27.4	300	eP	05 36 39.8		−0.1		

MAR 5d 06h 41m 35.4 ± 0.09s, SD0.82 / 48
14.92 S ± 0.76km, 167.36 E ± 1.32km, h124 ± 0.42km
Vanuatu (New Hebrides) (186)
m_b5.0 / 2,

NJ2	65.9	316	−P	06 52 10.3		−0.2		
WHN	68.1	312	+P	06 52 24.5		−0.2		
MDJ	68.5	332	eP	06 52 26.5		−0.4		
TIA	69.5	318	eP	06 52 32.5		−0.8		
CN2	69.8	329	+P	06 52 34.8		−0.4		
GYA	71.9	305	eP	06 52 47.6		0.0		
BJI	72.5	321	eP	06 52 50.5		−0.3		
TIY	73.5	317	+P	06 52 57.0		0.2		
XAN	73.9	313	P	06 52 59.0		−0.2		
CD2	76.2	308	eP	06 53 13.4		1.0		
LZH	78.5	312	eP	06 53 26.2		0.8		
			PMZ		$m_b=5.1$		1.5	0.050

MAR 5d 06h 58m 32.9 ± 0.10s, SD0.98 / 28
4.39 S ± 0.94km, 144.01 E ± 1.64km, h137 ± 0.41km
New Guinea (292)
m_b5.0 / 2,

QZH	38.2	321	−P	07 05 42.2		0.9		
SSE	41.5	330	+P	07 06 09.0		0.9		
			PMZ		$m_b=4.9$		1.0	0.024
WHN	44.8	323	eP	07 06 36.8		1.4		
GYA	47.4	312	P	07 06 56.4		0.7		
XAN	50.6	322	P	07 07 19.3		−0.7		
CN2	50.8	343	eP	07 07 21.5		−0.2		
BJI	51.1	333	eP	07 07 23.0		−0.8		
BTO	54.5	328	eP	07 07 50.0		0.5		
LZH	55.1	320	eP	07 07 53.0		−0.5		
			PMZ		$m_b=5.1$		2.0	0.060

MAR 5d 10h 57m 16.0 ± 0.04s, SD0.90 / 54
44.36 N ± 1.41km, 147.77 E ± 0.81km, h89 ± 0.49km
Kurile Islands (221)
m_b5.3 / 1,

MDJ	13.0	278	−P	11 00 17.5		−1.0		
CN2	16.0	276	P	11 00 57.2		−0.6		
BJI	23.7	271	P	11 02 21.0		0.2		
HHC	26.7	275	eP	11 02 50.2		0.7		
BTO	27.9	276	eP	11 03 01.5		1.1		
WHN	29.7	254	eP	11 03 18.2		2.4		
LZH	34.2	271	eP	11 03 56.0		0.6		
			PMZ		$m_b=5.3$		1.5	0.070
GTA	35.6	279	+iP	11 04 07.8		0.2		
WMQ	42.3	291	eP	11 05 03.4		0.6		

MAR 5d 13h 48m 38.8 ± 0.09s, SD1.98 / 45
42.60 N ± 1.39km, 74.58 E ± 1.46km, h14 ± 0.47km
Kirgiziya (716)
M_S4.5 / 4, M_L4.7 / 6, m_b4.7 / 1,

KSH	3.2	161	+Pg	13 49 35.5		−0.8		
			Sn	13 50 16.0		6.1		
			LN		$M_S=4.5$		8.0	11.5
WMQ	9.7	78	eP	13 51 00.0		−0.8		
			sP	13 51 10.0		0.9		
			S	13 52 48.0		−1.9		
			LN		$M_S=4.7$		4.0	1.38
			LZ		$M_S=4.0$		12.0	1.02
LSA	18.5	129	P	13 53 00.0		2.5		
GTA	19.3	91	eP	13 53 05.0		−1.3		
			LN		$M_S=4.4$		9.0	0.50
			LZ		$M_S=4.4$		10.0	0.90
LZH	23.5	96	eP	13 53 48.0		−1.4		
			PMZ		$m_b=4.7$		1.5	0.050
			LZ		$M_S=4.0$		20.0	0.50
CD2	26.0	107	eP	13 54 14.8		1.4		
XAN	28.1	96	P	13 54 35.5		2.7		
GYA	30.7	111	P	13 54 55.6		−0.5		
WHN	33.8	98	eP	13 55 23.0		−0.2		

MAR 5d 15h 18m 12.6 ± 0.06s, SD1.56 / 11
39.22 N ± 0.48km, 113.38 E ± 0.53km, h9 ± 0.13km
North-Eastern China (658)
M_L3.1 / 13,

TIY	1.7	206	+Pg	15 18 41.5		−0.9		
			Sg	15 19 03.2		−2.0		
			SMN		$M_L=3.3$		0.5	0.26
			SME				0.6	0.41
HHC	2.1	320	ePn	15 18 49.6		0.6		
			Pg	15 18 50.3		−0.1		
			Sn	15 19 16.2		−1.2		
			Sg	15 19 19.0		−0.7		
			SMN		$M_L=3.1$		0.4	0.14
			SME				0.4	0.14
BTO	2.9	299	Pg	15 19 03.0		−1.5		

			Sg	15 19 39.4	−4.9			
			SMN	$M_L = 2.7$		0.6	0.040	
			SME			0.6	0.020	
TIA	4.2	134	ePg	15 19 28.2	0.9			
			eSn	15 20 05.4	−3.6			
			eSg	15 20 22.7	−2.3			
			SMN	$M_L = 3.4$		0.4	0.050	
			SME			0.5	0.080	
			SMZ	$M_L = 3.6$		0.4	0.080	

MAR 5d 17h 57m 52.5 ± 0.09s, SD0.94 / 37
11.44 S ± 1.30km, 112.86 E ± 1.82km, h33 ± 0.08km
South of Java (282)
m_b5.2 / 1,

GYA	38.1	351	P	18 05 12.0	1.1			
CD2	43.0	349	eP	18 05 51.6	0.6			
XAN	45.4	355	P	18 06 09.7	−0.4			
LSA	45.9	333	P	18 06 16.4	1.4			
LZH	48.0	350	eP	18 06 31.0	−0.1			
			PMZ	$m_b = 5.2$		1.5	0.050	
BJI	51.3	3	eP	18 06 55.5	−0.5			
GTA	52.0	347	eP	18 07 01.8	0.2			
WMQ	59.6	339	P	18 07 56.6	0.7			

MAR 5d 20h 13m 20.0 ± 0.09s, SD0.75 / 77
51.16 N ± 2.21km, 179.10 W ± 1.01km, h33 ± 0.11km
Andreanof Islands (7)
M_S4.7 / 2, m_b5.4 / 4,

MDJ	34.4	280	eP	20 20 06.0	−0.9			
CN2	37.4	281	+P	20 20 31.7	−0.4			
SNY	39.6	279	+iP	20 20 51.8	1.2			
BJI	45.2	282	P	20 21 36.5	0.0			
			LZ	$M_S = 4.2$		20.0	0.30	
TIA	47.0	277	eP	20 21 50.5	0.0			
HHC	47.6	286	eP	20 21 55.8	0.8			
NJ2	48.6	272	−P	20 22 03.6	0.5			
TIY	49.0	282	eP	20 22 06.8	0.9			
			LZ	$M_S = 4.5$		20.0	0.50	
WHN	52.5	274	eP	20 22 31.5	−0.9			
XAN	53.5	281	P	20 22 39.1	−1.1			
LZH	55.3	286	eP	20 22 54.0	0.8			
			PMZ	$m_b = 5.6$		1.5	0.13	
			LZ	$M_S = 4.6$		24.0	0.60	
GTA	55.5	292	+iP	20 22 54.6	0.0			
CD2	58.8	282	eP	20 23 18.4	0.0			
WMQ	59.3	303	+P	20 23 21.2	−0.5			
			pP	20 23 32.0	1.0			
			eS	20 31 28.0	1.4			
			LZ	$M_S = 4.8$		20.0	0.70	
GYA	60.2	276	P	20 23 27.0	−0.6			
LSA	67.3	289	+P	20 24 16.4	1.4			
KSH	68.5	307	eP	20 24 22.0	0.0			

MAR 6d 00h 05m 29.1 ± 0.06s, SD3.41 / 7
35.83 N ± 0.41km, 81.11 E ± 0.80km, h17 ± 0.97km
Kashmir–Tibet border region (304)
M_L3.8 / 6,

KSH	5.5	313	ePn	00 06 53.0	1.9			
			ePg	00 07 04.0	−2.5			
			eSn	00 07 55.7	−0.4			
			SMN	$M_L = 4.0$		0.6	0.10	
			SME			0.7	0.20	

MAR 6d 00h 32m 10.5 ± 0.05s, SD0.63 / 50
10.59 S ± 1.26km, 166.18 E ± 0.83km, h178 ± 0.66km
Santa Cruz Islands (184)
m_b5.0 / 3,

SSE	59.8	315	eP	00 41 59.5	−0.3			
			PMZ	$m_b = 4.8$		0.7	0.012	
NJ2	62.0	315	+P	00 42 14.7	0.2			
			PMZ	$m_b = 5.0$		1.0	0.030	
MDJ	64.2	332	−P	00 42 28.5	−0.1			
CN2	65.6	329	−iP	00 42 37.5	−0.3			
			epP	00 43 20.0	0.8			
BJI	68.4	321	eP	00 42 55.0	−0.5			
GYA	68.5	304	P	00 42 57.0	0.6			
TIY	69.5	317	+iP	00 43 03.0	0.6			
XAN	70.1	312	P	00 43 06.2	0.0			
CD2	72.7	307	P	00 43 21.8	0.5			
LZH	74.8	312	P	00 43 33.5	−0.1			
			PMZ	$m_b = 5.2$		1.0	0.046	
GTA	79.1	314	−iP	00 43 58.1	0.8			
WMQ	89.1	315	eP	00 44 47.2	−0.2			

MAR 6d 07h 26m 09.8 ± 0.07s, SD1.02 / 74
3.36 S ± 0.92km, 143.94 E ± 1.41km, h33 ± 0.12km
Near north coast of New Guinea (200)
M_S4.7 / 1, m_B5.8 / 4, m_b5.4 / 5,

SSE	40.5	329	eP	07 33 47.0	−1.1			
			PMZ	$m_b = 5.2$		1.5	0.064	
			PMZ	$m_B = 5.8$		4.0	0.67	
			eS	07 39 54.0	−1.3			
			LZ	$M_S = 4.3$		20.0	0.47	
NJ2	42.5	328	+P	07 34 04.8	0.5			
			PMZ	$m_B = 5.7$		6.0	0.77	
			eS	07 40 19.0	−5.4			
WHN	44.0	322	eP	07 34 17.0	0.7			
			PMZ	$m_b = 5.4$		1.5	0.090	
TIA	46.7	330	eP	07 34 35.0	−2.6			
GYA	46.7	312	P	07 34 38.8	1.1			
SNY	48.6	340	+P	07 34 51.8	−1.2			
			eS	07 41 57.0	4.9			
			LN	$M_S = 4.7$		20.0	0.54	
			LZ	$M_S = 4.7$		20.0	0.79	
KMI	49.0	308	+P	07 34 57.5	1.6			
XAN	49.7	321	P	07 35 00.5	−1.0			
CN2	49.8	343	eP	07 35 02.0	0.0			
BJI	50.1	332	eP	07 35 03.5	−1.1			
TIY	50.2	327	−iP	07 35 05.0	−0.5			
			S	07 42 12.0	−1.4			
			LZ	$M_S = 4.6$		16.0	0.48	
CD2	51.3	315	+iP	07 35 14.3	1.1			
HHC	53.0	329	eP	07 35 26.2	−0.2			
BTO	53.6	328	P	07 35 30.5	−0.4			
			epP	07 35 41.0	0.8			
			ePP	07 37 35.0	2.7			
			eS	07 43 02.0	0.8			
LZH	54.2	320	+iP	07 35 36.5	1.0			
			PMZ	$m_b = 5.8$		2.0	0.25	
GTA	58.8	321	+iP	07 36 08.1	0.2			
WMQ	68.8	320	eP	07 37 13.8	0.2			

MAR 6d 14h 39m 41.4 ± 0.09s, SD1.45 / 113
35.61 N ± 1.43km, 140.46 E ± 1.54km, h41 ± 0.39km
Near south coast of Honshu (230)
M_S5.7 / 56, m_B6.0 / 24, m_b6.0 / 16,

CN2	14.1	310	+iP	14 43 02.8	1.4			
			PMZ	$m_B = 6.5$		5.0	4.70	
			pP	14 43 13.0	3.6			
			eS	14 45 39.0	1.3			
			LE	$M_S = 5.4$		14.0	13.6	
			LZ	$M_S = 5.3$		20.0	21.1	
DL2	15.4	288	+iP	14 43 21.0	3.9			
			LN	$M_S = 5.6$		10.0	4.00	
			LE			11.0	12.6	
SSE	16.7	260	+P	14 43 36.0	1.5			

			PMZ		$m_b = 5.6$		1.2	0.37
			PMZ		$m_B = 6.0$		8.0	5.84
			sP	14 43 49.0		0.8		
			S	14 46 43.0		5.9		
			sS	14 46 53.0		1.7		
			LN		$M_S = 5.8$		11.0	5.02
			LE				14.0	22.1
			LZ		$M_S = 5.5$		16.0	22.3
NJ2	18.3	265	−P	14 43 55.0		0.9		
			eS	14 47 12.5		−1.0		
			SS	14 47 41.0		4.0		
			LN		$M_S = 5.6$		13.0	10.2
			LE				11.0	7.88
			LZ		$M_S = 5.5$		22.0	26.1
TIA	18.9	279	+P	14 44 01.0		−0.7		
			sP	14 44 19.0		3.5		
			S	14 47 29.0		2.3		
			LN		$M_S = 5.6$		12.0	8.33
			LE				12.0	7.70
			LZ		$M_S = 5.5$		25.0	25.9
BJI	19.7	290	eP	14 44 08.0		−2.0		
			pP	14 44 23.0		3.7		
			eS	14 47 44.0		−0.4		
			LN		$M_S = 5.4$		12.0	5.04
			LE				12.0	5.20
			LZ		$M_S = 5.4$		28.0	22.6
QZH	21.6	247	+P	14 44 28.0		−2.3		
			S	14 48 20.0		−1.7		
			LE		$M_S = 5.7$		15.0	15.6
			LZ		$M_S = 5.5$		19.0	18.0
WHN	22.4	264	+P	14 44 38.0		−0.3		
			PMZ		$m_b = 5.9$		1.0	0.52
			PMZ		$m_B = 5.9$		7.0	3.61
			sP	14 44 54.0		0.9		
			S	14 48 38.0		1.6		
			LN		$M_S = 5.9$		10.0	8.76
			LE				12.0	13.7
			LZ		$M_S = 5.7$		24.0	32.2
TIY	22.6	284	+P	14 44 38.0		−1.6		
			PMZ		$m_b = 5.5$		1.2	0.29
			sS	14 48 59.0		2.9		
			SS	14 49 16.0		−5.6		
			LE		$M_S = 5.7$		15.0	12.4
			LZ		$M_S = 5.7$		18.0	22.9
HHC	23.2	292	+P	14 44 44.3		−2.1		
			PP	14 45 21.0		3.9		
			S	14 48 55.0		4.1		
			LN		$M_S = 5.4$		9.0	1.70
			LE				11.0	3.80
			LZ		$M_S = 5.4$		30.0	16.8
BTO	24.4	291	P	14 44 56.8		−0.9		
			S	14 49 09.0		−2.0		
			SS	14 50 06.0		−0.2		
			LN		$M_S = 5.4$		12.0	2.80
			LE				11.0	3.90
			LZ		$M_S = 5.2$		11.0	4.10
XAN	25.9	276	+iP	14 45 10.7		−1.1		
			pP	14 45 25.3		3.4		
			S	14 49 38.0		2.3		
			LN		$M_S = 6.0$		18.0	17.8
			LE				20.0	16.7
GZH	26.6	249	eP	14 45 18.5		−0.1		
			sP	14 45 38.0		4.5		
			S	14 49 49.0		1.0		
			LN		$M_S = 5.9$		18.0	13.2
			LE				16.0	15.2
			LZ		$M_S = 5.8$		18.0	21.1
LZH	29.6	282	+iP	14 45 45.0		−0.3		
			PMZ		$m_b = 6.4$		2.0	1.57
			sP	14 46 03.0		2.8		
			PP	14 46 36.0		−5.3		
			SME		$m_B = 5.7$		11.0	1.81
			LE		$M_S = 5.5$		16.0	5.54
			LZ		$M_S = 5.7$		28.0	22.4
GYA	30.2	262	+P	14 45 50.0		−1.2		
			PMZ		$m_b = 6.0$		1.6	0.46
			sP	14 46 04.2		−2.0		
			S	14 50 49.0		3.3		
			LN		$M_S = 5.7$		14.0	7.13
			LZ		$M_S = 5.3$		18.0	6.20
CD2	30.9	272	+iP	14 45 56.8		−0.4		
			isP	14 46 15.5		3.3		
			PP	14 46 58.6		−0.2		
			LN		$M_S = 6.1$		15.0	21.2
			LZ		$M_S = 5.8$		20.0	22.5
QZN	31.7	247	P	14 46 04.8		1.3		
			PP	14 47 10.0		1.8		
			eS	14 51 11.0		2.3		
			LN		$M_S = 5.8$		21.0	10.7
			LE				20.0	9.00
GTA	32.3	289	+iP	14 46 08.5		−0.6		
			PMZ		$m_B = 6.0$		7.0	1.58
			sP	14 46 25.0		1.0		
			PP	14 47 15.0		−1.3		
			S	14 51 16.0		−1.7		
			LN		$M_S = 5.5$		9.5	3.32
			LZ		$M_S = 5.4$		30.0	11.7
KMI	34.0	263	+P	14 46 23.5		−0.6		
			sP	14 46 38.0		−1.0		
			PP	14 47 33.0		−4.7		
			S	14 51 38.0		−6.5		
			LE		$M_S = 5.8$		13.0	7.60
			LZ		$M_S = 5.7$		25.0	19.1
WMQ	40.8	298	+iP	14 47 22.5		1.3		
			PMZ		$m_B = 6.3$		7.0	3.56
			PP	14 49 02.0		3.5		
			PcP	14 49 25.0		3.5		
			S	14 53 30.2		2.0		
			LN		$M_S = 5.7$		14.0	5.20
			LZ		$M_S = 5.6$		22.0	8.35
LSA	41.6	276	+P	14 47 29.8		1.8		
			sP	14 47 46.5		3.7		
			S	14 53 46.0		6.3		
			LE		$M_S = 5.6$		17.0	4.20
KSH	50.3	295	+iP	14 48 39.0		2.0		
			PMZ		$m_B = 6.3$		6.0	2.50
			esP	14 48 54.0		1.9		
			eS	14 55 46.0		0.0		
			LN		$M_S = 5.9$		15.0	5.20

MAR 6d 18h 30m 19.4 ± 0.08s, SD1.10 / 29
36.36 N ± 0.98km, 137.03 E ± 0.51km, h282 ± 0.64km
Southern Honshu (232)

MDJ	10.0	328	+iP	18 32 39.8	1.2	
CN2	11.6	314	+P	18 32 58.5	0.5	
SNY	11.8	302	+P	18 33 01.6	0.8	

MAR 6d 21h 21m 12.6 ± 0.07s, SD1.36 / 50
37.12 N ± 1.19km, 71.67 E ± 1.21km, h107 ± 0.44km
Afghanistan–USSR border region (717)
m_b4.9 / 2,

KSH	4.1	53	P	21 22 18.0	3.1		
			S	21 23 06.0	4.1		
			LN			4.0	3.30
WMQ	13.9	56	P	21 24 25.1	−1.2		
			sP	21 25 01.0	4.9		

			S	21 26 58.0	0.1			
			SMN			1.0	0.020	
LSA	17.8	109	P	21 25 16.4	0.3			
GTA	22.2	75	eP	21 26 03.0	1.8			
XAN	30.3	85	P	21 27 15.6	−1.0			
GYA	31.4	100	P	21 27 27.0	0.6			
TIY	32.2	76	−P	21 27 33.2	0.1			
BJI	34.6	71	eP	21 27 54.0	0.1			
WHN	35.8	88	−P	21 28 04.6	0.6			
TIA	36.2	77	eP	21 28 07.8	0.6			
SSE	41.1	83	+P	21 28 48.5	1.0			
			PMZ	m_b = 4.9		1.0	0.022	

MAR 7d 05h 58m 49.0 ± 0.12s, SD1.77 / 38
36.09 N ± 1.11km, 77.47 E ± 1.59km, h13 ± 0.26km
Eastern Kashmir (302)
M_S4.5 / 3, M_L4.8 / 3, m_b4.4 / 1,

KSH	3.6	341	ePg	05 59 53.5	0.0			
			Sg	06 00 38.0	−5.0			
WMQ	11.0	42	P	06 01 27.3	−2.3			
			sP	06 01 39.0	1.3			
			S	06 03 30.0	−3.2			
			LE	M_S = 4.7		4.0	1.16	
			LZ	M_S = 3.8		16.0	0.67	
LSA	13.1	115	eP	06 01 58.0	−0.7			
GTA	18.0	73	P	06 03 03.0	2.3			
			SS	06 06 42.2	1.7			
			LN	M_S = 4.5		8.0	0.62	
XAN	25.8	85	P	06 04 21.5	−0.2			
BTO	25.8	70	eP	06 04 22.9	0.5			
GYA	26.6	103	P	06 04 31.4	1.5			

MAR 7d 07h 51m 56.9 ± 0.39s, SD2.53 / 13
36.01 N ± 3.62km, 77.98 E ± 1.35km, h25 ± km
Eastern Kashmir (302)
M_L4.3 / 5,

KSH	3.9	336	ePn	07 52 59.0	3.5			
			Sn	07 53 45.0	3.3			
			SMN	M_L = 4.3		0.7	0.70	
			SME			0.8	0.60	
WMQ	10.8	41	eP	07 54 32.4	−0.9			
			S	07 56 29.4	−4.5			
			SMN			0.9	0.010	
			SME			0.8	0.010	

MAR 7d 13h 16m 26.3 ± 0.06s, SD1.10 / 46
33.25 N ± 1.17km, 141.70 E ± 1.26km, h53 ± 0.49km
South of Honshu (211)
m_b5.6 / 1,

CN2	16.5	314	eP	13 20 16.0	0.3			
SNY	16.7	306	eP	13 20 21.0	2.6			
BJI	21.5	296	eP	13 21 14.5	1.4			
HHC	25.1	296	eP	13 21 49.4	1.0			
BTO	26.3	295	eP	13 21 59.0	0.0			
XAN	27.2	281	P	13 22 07.6	−0.3			
GYA	31.0	267	P	13 22 41.6	−0.3			
CD2	32.1	276	P	13 22 50.6	−0.7			
GTA	34.1	293	P	13 23 08.0	−0.3			
			PMZ	m_b = 5.6		0.8	0.070	
WMQ	42.9	301	eP	13 24 23.5	1.9			

MAR 7d 18h 01m 38.7 ± 0.13s, SD0.84 / 45
20.44 S ± 0.42km, 178.06 W ± 1.25km, h542 ± 1.31km
Fiji region (181)

NJ2	79.8	310	+P	18 12 53.0	0.5			
MDJ	80.4	325	eP	18 12 56.0	0.2			
DL2	81.6	317	eP	18 13 03.0	1.0			
SNY	82.1	320	+P	18 13 04.4	0.0			
CN2	82.2	322	−P	18 13 04.5	−0.4			
			epP	18 15 03.0	1.7			
WHN	82.4	306	eP	18 13 06.2	0.6			
BJI	85.8	315	eP	18 13 22.5	−0.1			
GYA	86.6	300	P	18 13 26.8	0.5			
TIY	87.2	312	+P	18 13 30.0	0.8			
XAN	88.0	307	P	18 13 34.2	1.0			
GTA	96.9	309	eP	18 14 13.8	−0.1			

MAR 7d 20h 38m 35.2 ± 0.05s, SD0.79 / 83
30.13 N ± 0.88km, 138.52 E ± 0.97km, h448 ± 0.24km
South of Honshu (211)
m_B4.9 / 1, m_b5.1 / 6,

SSE	15.0	278	eP	20 41 46.0	−1.5			
MDJ	16.1	336	eP	20 41 59.2	0.2			
			S	20 44 46.0	2.8			
			SMN	m_B = 4.9		10.0	1.93	
DL2	16.4	307	eP	20 42 01.0	−1.3			
SNY	16.8	318	+iP	20 42 06.4	0.5			
			S	20 44 55.0	−0.9			
NJ2	17.0	282	+iP	20 42 08.0	0.3			
			eS	20 45 02.0	2.3			
			ScP	20 49 21.8	1.5			
CN2	17.2	326	−P	20 42 10.0	0.3			
			esP	20 43 59.0	−0.4			
			S	20 45 03.0	0.3			
TIA	18.9	294	P	20 42 27.3	0.4			
BJI	20.7	304	eP	20 42 44.0	−0.5			
			esP	20 44 43.0	−2.2			
			eS	20 46 06.0	0.4			
			eScP	20 49 29.0	0.3			
WHN	20.9	277	eP	20 42 47.0	1.3			
TIY	22.9	296	−P	20 43 05.3	0.8			
HHC	24.3	303	P	20 43 17.7	0.1			
BTO	25.4	302	eP	20 43 27.1	0.0			
GYA	28.2	270	P	20 43 52.2	−0.2			
			PcP	20 46 53.4	1.3			
			S	20 48 04.0	−1.6			
			ScP	20 49 52.6	3.2			
CD2	29.9	280	−iP	20 44 06.8	0.1			
KMI	32.0	270	+P	20 44 26.0	0.9			
			pP	20 45 47.5	2.4			
			S	20 49 07.0	3.0			
GTA	32.9	297	P	20 44 32.2	−0.4			
			PMZ	m_b = 5.0		1.2	0.076	
			PcP	20 47 05.2	0.7			
			ScP	20 50 07.0	2.2			
			S	20 49 20.4	2.5			
WMQ	42.2	303	P	20 45 49.5	0.4			
			pP	20 47 14.0	0.4			
			PcP	20 47 33.0	−0.4			
			sP	20 48 04.5	1.7			
			S	20 51 36.8	0.9			

MAR 7d 21h 31m 01.0 ± 1.89s, SD4.10 / 7
38.48 N ± 2.54km, 73.50 E ± 16.11km, h13 ± km
Tadzhikistan (715)
M_L4.0 / 2,

KSH	2.2	60	−iPg	21 31 42.0	2.7			
			SMN	M_L = 4.2		0.3	1.40	
			SME			0.3	2.10	

MAR 8d 02h 34m 25.2 ± 0.09s, SD1.09 / 96
0.18 S ± 1.24km, 124.97 E ± 1.69km, h34 ± 0.14km
Molucca Sea (269)
M_S5.1 / 34, m_B5.7 / 11, m_b5.8 / 14,

QZN	24.2	323	P	02 39 40.0	0.3			
			sP	02 39 55.0	2.1			

			S	02 43 48.0	−4.2			
			LN	M_S = 5.1		14.0	1.50	
			LE			19.0	3.30	
QZH	25.7	347	eP	02 39 56.1	1.7			
			sP	02 40 10.0	2.3			
			PP	02 40 38.0	3.7			
			S	02 44 18.0	−0.1			
			SME	m_B = 6.1		5.0	2.52	
			sS	02 44 38.0	3.9			
			LN	M_S = 4.9		10.0	1.12	
			LZ	M_S = 4.7		24.0	2.84	
GZH	25.7	335	P	02 39 55.0	0.4			
			S	02 44 14.0	−4.3			
			LZ	M_S = 5.0		20.0	4.77	
SSE	31.3	354	eP	02 40 45.0	0.2			
			PMZ	m_b = 5.5		1.4	0.10	
			pP	02 40 56.0	2.0			
			eS	02 45 48.0	−0.3			
			ScS	02 51 16.0	3.0			
			LN	M_S = 5.1		24.0	3.11	
			LZ	M_S = 4.8		22.0	2.41	
GYA	31.8	328	P	02 40 49.6	0.1			
			S	02 45 56.0	0.4			
			ScS	02 51 17.0	1.4			
			LN	M_S = 5.5		14.0	2.47	
			LE			14.0	4.35	
			LN	M_S = 5.1		14.0	1.96	
WHN	32.2	343	−P	02 40 52.3	−0.1			
			PMZ	m_b = 5.6		1.0	0.11	
			sP	02 41 06.0	0.2			
			eS	02 46 02.0	0.0			
			LN	M_S = 5.0		10.0	0.62	
			LE			14.0	0.97	
			LZ	M_S = 5.1		20.0	3.81	
NJ2	32.6	350	+P	02 40 55.6	−0.3			
			S	02 46 04.0	−3.3			
			ScP	02 47 22.0	0.7			
			LZ	M_S = 5.0		28.0	3.91	
KMI	33.1	321	+P	02 41 02.0	1.4			
			iS	02 46 16.0	−0.7			
			ScS	02 51 26.5	4.4			
			LN	M_S = 5.2		16.0	2.70	
			LZ	M_S = 5.2		18.0	4.30	
CD2	36.9	329	P	02 41 32.8	−0.2			
			PMZ			3.0	0.98	
			PP	02 42 59.8	1.0			
			S	02 47 11.8	−2.5			
			LN	M_S = 5.2		13.5	1.67	
			LZ	M_S = 4.8		24.0	2.00	
TIA	36.9	349	eP	02 41 32.2	−1.0			
			eS	02 47 09.0	−6.7			
			LN	M_S = 5.0		17.0	1.49	
			LZ	M_S = 5.0		31.0	3.53	
XAN	37.2	338	P	02 41 33.5	−2.1			
			S	02 47 17.7	−1.4			
			LN	M_S = 5.4		16.0	2.90	
			LE			14.0	1.00	
DL2	39.0	356	eP	02 41 51.4	0.8			
			LZ	M_S = 4.9		24.0	2.30	
TIY	39.4	344	+P	02 41 53.8	−0.4			
			S	02 47 59.0	6.2			
			sS	02 48 15.0	5.5			
			LE	M_S = 4.9		16.0	0.82	
			LZ	M_S = 4.8		25.0	1.67	
BJI	40.8	350	eP	02 42 04.0	−1.6			
			PMZ	m_B = 5.4		12.0	0.80	
			eScP	02 47 50.0	−1.7			
			eS	02 48 12.0	−2.4			
			eScS	02 52 07.5	2.4			
			LZ	M_S = 4.9		30.0	2.80	
LZH	41.1	334	eP	02 42 08.5	0.6			
			PMZ	m_b = 6.0		2.0	0.55	
			pP	02 42 21.0	3.8			
			eS	02 48 13.0	−5.6			
			SMN	m_B = 5.6		4.0	0.38	
			LE	M_S = 5.3		17.0	2.44	
			LZ	M_S = 5.5		20.0	6.16	
SNY	41.8	358	−iP	02 42 14.3	0.4			
			PMZ	m_B = 5.8		4.5	0.74	
			S	02 48 26.5	−1.9			
			LN	M_S = 5.3		26.0	3.08	
			LE			26.0	1.46	
			LZ	M_S = 5.1		28.0	3.50	
CN2	43.8	1	+P	02 42 29.0	−0.9			
			PMZ	m_B = 5.7		5.0	0.60	
			sP	02 42 47.0	3.6			
			PP	02 44 15.0	1.4			
			eS	02 48 57.0	−1.0			
			ScS	02 52 22.0	−1.1			
			LE	M_S = 4.8		15.0	0.60	
			LZ	M_S = 4.7		15.0	0.70	
LSA	43.8	316	P	02 42 31.0	0.3			
			S	02 48 57.0	−0.7			
			SMN	m_B = 5.6		6.0	0.61	
MDJ	44.8	5	+P	02 42 38.0	0.1			
			pP	02 42 42.5	−5.0			
			S	02 49 12.0	0.6			
			LZ	M_S = 5.0		22.0	1.82	
GTA	45.6	333	+iP	02 42 44.2	−0.6			
			PMZ	m_b = 6.2		2.0	0.67	
			PcP	02 44 23.4	1.1			
			ScP	02 48 08.0	−3.0			
			S	02 49 20.0	−3.5			
			ScS	02 52 35.2	0.4			
			LN	M_S = 5.3		15.0	1.62	
			LZ	M_S = 5.2		18.0	2.44	
WMQ	55.0	328	P	02 43 55.0	−0.9			
			PMZ	m_B = 5.5		8.0	0.48	
			S	02 51 33.6	0.7			
			ScS	02 53 32.0	−6.0			
			LZ	M_S = 5.1		28.0	2.21	
KSH	59.7	317	−iP	02 44 31.0	1.8			
			PP	02 46 42.0	0.1			
			S	02 52 36.0	1.3			
			LZ	M_S = 5.7		20.0	5.60	

MAR 8d 03h 57m 21.4 ± 0.12s, SD0.99 / 77
19.07 S ± 1.34km, 168.70 E ± 1.44km, h66 ± 0.47km
Vanuatu (New Hebrides) (186)
m_b5.4 / 4,

QZH	65.5	310	eP	04 08 01.3	0.7			
SSE	67.6	317	P	04 08 13.0	−0.8			
			PMZ	m_b = 4.9		1.4	0.025	
			pP	04 08 32.0	1.1			
NJ2	69.7	316	−P	04 08 27.0	0.0			
			LZ	M_S = 4.8		20.0	0.61	
WHN	71.9	312	P	04 08 39.5	−0.4			
DL2	72.6	323	eP	04 08 45.0	0.9			
MDJ	72.7	332	+P	04 08 44.7	−0.4			
TIA	73.5	319	−P	04 08 49.1	−0.4			
SNY	73.6	326	eP	04 08 45.0	−4.9			
CN2	74.0	329	eP	04 08 53.0	0.2			
GYA	75.3	305	P	04 09 01.0	0.9			
BJI	76.5	321	eP	04 09 06.5	−0.2			
			eS	04 18 50.0	3.7			
TIY	77.4	317	−P	04 09 12.5	0.8			

XAN	77.6	313	P	04 09 13.3	0.2		
KMI	77.7	302	+P	04 09 15.0	1.0		
			pP	04 09 29.0	−2.0		
			sP	04 09 34.0	−4.6		
CD2	79.7	308	eP	04 09 25.0	0.3		
BTO	80.6	319	eP	04 09 30.3	1.1		
LZH	82.2	312	eP	04 09 38.5	0.5		
			PMZ	$m_b = 5.5$		1.5	0.090
			pP	04 09 52.0	−3.1		
GTA	86.6	314	P	04 10 00.0	0.0		
WMQ	96.7	314	P	04 10 47.0	0.3		

MAR 8d 05h 48m 15.4 ± 0.11s, SD1.62 / 83
4.59 N ± 1.64km, 125.88 E ± 2.25km, h100 ± 0.35km
Talaud Islands (263)
m_B5.5 / 1, m_b5.2 / 5,

QZN	21.2	314	eP	05 52 58.2	3.1		
			S	05 56 42.0	2.3		
			SS	05 57 18.0	−2.8		
			LN			17.0	4.70
			LE			15.0	2.70
QZH	21.4	342	eP	05 52 58.7	1.9		
			pP	05 53 23.0	5.5		
			S	05 56 48.0	5.1		
			sS	05 57 14.0	−2.8		
			SS	05 57 26.0	0.9		
			LN			12.0	0.90
			LZ			22.0	2.59
GZH	22.0	328	P	05 53 05.5	2.7		
			pP	05 53 22.6	−1.0		
			eS	05 56 58.0	3.5		
			sS	05 57 26.0	−3.5		
			LZ			18.0	1.91
SSE	26.7	351	eP	05 53 48.0	0.3		
			PMZ	$m_b = 4.8$		1.5	0.032
			pP	05 54 09.0	−0.4		
			S	05 58 20.0	6.4		
			LE			15.0	1.24
			LZ			18.0	0.45
WHN	28.0	338	eP	05 53 58.0	−1.3		
			sS	05 59 10.0	−3.4		
			LN			9.0	1.39
			LE			10.0	1.02
			LZ			36.0	3.99
NJ2	28.1	347	eP	05 54 00.0	−0.1		
			LN			10.0	0.43
			LE			8.0	0.60
KMI	30.2	315	eP	05 54 20.0	1.1		
			pP	05 54 41.0	0.3		
			eS	05 59 10.0	0.1		
			LZ			28.0	1.60
TIA	32.5	347	eP	05 54 40.8	2.0		
			LE			13.0	0.69
XAN	33.3	334	P	05 54 43.8	−1.9		
CD2	33.5	324	eP	05 54 46.6	−0.6		
			eS	06 00 07.2	6.5		
			LN			10.0	0.94
			LZ			18.0	0.91
DL2	34.4	354	eP	05 54 59.0	4.0		
TIY	35.2	341	+P	05 55 03.0	1.0		
			S	06 00 31.0	4.6		
			LE			13.0	0.74
			LZ			24.0	1.90
BJI	36.4	347	eP	05 55 13.0	1.1		
			epP	05 55 34.5	−0.2		
			eS	06 00 50.0	4.6		
			eScP	06 01 11.0	0.9		
			eScS	06 05 18.5	3.4		

SNY	37.1	357	−P	05 55 18.0	−0.4		
			pP	05 55 40.0	−1.2		
			PP	05 56 44.0	−2.3		
			S	06 00 54.0	−2.2		
			LE			25.0	3.11
LZH	37.3	330	P	05 55 19.5	−0.8		
			PMZ	$m_b = 5.4$		1.5	0.090
			pP	05 55 41.0	−1.9		
			eS	06 00 56.0	−4.6		
			LE			11.0	2.12
BTO	38.6	341	eP	05 55 31.5	0.9		
			epP	05 55 54.0	0.7		
			eS	06 01 24.0	4.6		
			LN			13.0	0.40
			LE			13.0	0.90
CN2	39.1	359	P	05 55 34.0	−0.3		
			pP	05 55 56.0	−1.2		
			S	06 01 29.0	3.8		
			LN			15.0	1.30
			LZ			15.0	1.40
MDJ	40.0	4	+P	05 55 43.0	0.8		
			pP	05 56 03.0	−2.1		
			S	06 01 40.0	0.6		
			LE			10.0	0.51
			LZ			16.0	9.87
LSA	41.2	311	P	05 55 54.5	1.6		
			SME	$m_B = 5.5$		6.0	0.47
GTA	41.9	329	eP	05 55 57.0	−1.2		
			PMZ	$m_b = 4.5$		1.0	0.0070
			ScP	06 01 31.8	0.3		
			LE			12.5	0.77
			LZ			16.0	1.20
WMQ	51.5	325	eP	05 57 10.4	−3.2		
			PcP	05 58 29.0	3.3		
			LZ			24.0	1.12
KSH	56.9	315	eP	05 57 51.0	−1.8		

MAR 8d 07h 25m 30.3 ± 0.23s, SD1.36 / 61
51.14 N ± 4.41km, 179.13 W ± 1.55km, h33 ± 0.45km
Andreanof Islands (7)
m_b5.1 / 3,

MDJ	34.4	280	eP	07 32 17.0	0.0		
CN2	37.4	281	eP	07 32 42.0	−0.3		
SNY	39.6	279	eP	07 33 02.3	1.5		
BJI	45.2	282	eP	07 33 47.5	0.9		
HHC	47.6	286	eP	07 34 07.0	1.8		
SSE	47.8	269	eP	07 34 02.2	−4.6		
BTO	48.6	287	eP	07 34 15.0	1.4		
TIY	49.0	282	eP	07 34 16.9	0.9		
WHN	52.5	274	eP	07 34 42.5	−0.1		
XAN	53.5	281	P	07 34 48.6	−1.8		
LZH	55.2	286	P	07 35 03.5	0.2		
			PMZ	$m_b = 5.4$		1.5	0.070
GTA	55.5	292	+iP	07 35 02.0	−2.8		
			PMZ	$m_b = 5.1$		0.8	0.020
GYA	60.1	276	P	07 35 37.8	0.1		

MAR 8d 08h 22m 34.9 ± 0.09s, SD1.40 / 61
6.04 S ± 1.79km, 105.23 E ± 2.27km, h34 ± 0.26km
Sunda Strait (276)
M_S4.9 / 6, m_b5.2 / 5,

QZN	25.3	10	eP	08 28 02.4	1.9		
			eS	08 32 22.0	0.0		
			LE	$M_S = 4.9$		16.0	1.90
KMI	31.1	356	eP	08 28 54.0	1.3		
GYA	32.3	2	P	08 29 03.6	−0.1		
CD2	36.8	358	eP	08 29 41.2	−0.4		
WHN	37.4	13	eP	08 29 48.0	1.1		

SSE	40.0	22	eP	08 30 09.0	0.9			
			PMZ	$m_b = 4.8$		1.2	0.017	
			LZ	$M_S = 4.4$		16.0	0.47	
XAN	40.0	5	−P	08 30 08.5	−0.2			
			LN	$M_S = 5.2$		10.0	0.90	
			LE			10.0	0.50	
LZH	41.9	358	eP	08 30 24.0	−0.6			
			PMZ	$m_b = 5.2$		2.5	0.090	
			LZ	$M_S = 4.7$		10.0	0.56	
TIY	44.0	8	eP	08 30 42.7	0.9			
			sP	08 30 55.5	0.3			
			S	08 37 11.5	1.0			
			sS	08 37 31.0	3.7			
			ScS	08 40 40.0	5.5			
			LE	$M_S = 4.9$		15.0	0.69	
			LZ	$M_S = 4.6$		17.0	0.60	
GTA	45.5	354	−P	08 30 53.2	−0.3			
			PMZ	$m_b = 5.1$		1.2	0.033	
BTO	46.6	5	eP	08 31 03.0	0.7			
			eS	08 37 50.0	1.4			
			LN	$M_S = 5.2$		12.0	0.60	
			LE			12.0	0.70	
BJI	46.9	12	eP	08 31 04.5	−0.3			
SNY	50.5	18	eP	08 31 30.8	−1.5			
WMQ	52.1	344	P	08 31 43.1	−1.3			
KSH	52.8	332	eP	08 31 48.0	−1.8			
CN2	52.9	18	−P	08 31 48.7	−1.4			

MAR 8d 11h 44m 31.9 ± 0.06s, SD0.89 / 102
1.03 N ± 1.00km, 126.14 E ± 1.34km, h31 ± 0.07km
Molucca Passage (266)
M_S5.6 / 51, m_B6.0 / 18, m_b6.1 / 16,

QZN	24.0	319	P	11 49 45.0	0.1			
			S	11 53 55.0	−1.2			
			LN	$M_S = 5.6$		21.0	11.3	
			LE			16.0	5.40	
QZH	24.9	344	+iP	11 49 53.0	−0.4			
			PMZ	$m_B = 5.8$		6.0	2.26	
			S	11 54 05.5	−5.7			
			SMN	$m_B = 6.1$		9.0	5.09	
			sS	11 54 30.0	4.0			
			LN	$M_S = 5.6$		21.0	14.1	
			LZ	$M_S = 5.4$		24.0	13.9	
GZH	25.2	331	+iP	11 49 57.0	0.4			
			S	11 54 17.0	0.1			
			LN	$M_S = 5.9$		21.0	12.1	
			LE			21.0	24.6	
SSE	30.3	352	P	11 50 43.0	0.4			
			PMZ	$m_b = 5.6$		1.5	0.16	
			PcP	11 53 43.0	0.6			
			S	11 55 38.0	−0.6			
			LN	$M_S = 5.4$		16.0	3.76	
			LE			12.0	1.85	
			LZ	$M_S = 5.5$		22.0	10.6	
WHN	31.4	340	P	11 50 52.0	−0.8			
			PMZ	$m_b = 6.0$		1.0	0.26	
			sP	11 51 05.0	−0.4			
			S	11 55 54.0	−2.6			
			LN	$M_S = 5.3$		12.0	2.68	
GYA	31.5	325	+P	11 50 53.0	−0.4			
			sP	11 51 08.0	2.1			
			PP	11 52 02.0	4.9			
			PcP	11 53 46.0	0.4			
			S	11 55 54.0	−3.4			
			LN	$M_S = 5.7$		17.0	7.62	
			LE			17.0	5.58	
			LZ	$M_S = 5.3$		28.0	9.14	
NJ2	31.6	348	+P	11 50 54.0	−0.5			
			ScP	11 57 28.5			3.6	
			LN	$M_S = 5.2$			14.0	2.06
			LZ	$M_S = 5.3$			28.0	9.60
KMI	32.9	319	+iP	11 51 07.0	0.7			
			PMZ				3.0	1.00
			sP	11 51 22.0	3.3			
			PP	11 52 22.0	5.9			
			S	11 56 15.0	−5.3			
			LN	$M_S = 5.5$			14.0	4.60
TIA	36.0	348	eP	11 51 30.1	−2.2			
			PcP	11 53 58.5	0.2			
			S	11 57 03.0	−4.6			
			SMN	$m_B = 6.1$			11.0	4.09
			LN	$M_S = 5.5$			20.0	5.17
			LZ	$M_S = 5.5$			28.0	11.4
XAN	36.6	336	P	11 51 36.4	−1.0			
			LN	$M_S = 5.8$			22.0	6.30
			LE				20.0	9.30
DL2	37.9	354	+jP	11 51 49.0	0.5			
			S	11 57 36.0	−1.1			
			LN	$M_S = 5.6$			15.0	3.30
			LE				15.0	3.70
TIY	38.6	342	+P	11 51 54.1	−0.4			
			pP	11 52 01.0	−2.4			
			LN	$M_S = 5.8$			22.0	11.0
			LZ	$M_S = 5.8$			15.0	10.9
BJI	39.9	348	eP	11 52 04.5	−0.3			
			PMZ	$m_B = 5.7$			7.0	0.80
			ePP	11 53 40.0	−0.7			
			S	11 58 04.5	−2.2			
			eScS	12 02 03.5	−3.5			
			LN	$M_S = 5.3$			16.0	2.00
			LZ	$M_S = 5.5$			28.0	8.80
LZH	40.6	332	eP	11 52 10.5	−0.1			
			PMZ	$m_b = 6.5$			1.5	1.21
			PMZ				3.0	1.20
			SMN	$m_B = 5.8$			9.0	1.35
			LE	$M_S = 5.6$			18.0	4.46
			LZ	$M_S = 5.6$			24.0	11.1
SNY	40.7	357	+iP	11 52 11.5	0.1			
			PMZ	$m_B = 5.9$			8.0	1.70
			pP	11 52 21.0	0.6			
			SME	$m_B = 6.1$			12.0	3.97
			LN	$M_S = 5.7$			23.0	6.49
			LE				22.0	5.24
			LZ	$M_S = 5.6$			22.0	9.33
HHC	41.8	343	+P	11 52 21.0	0.3			
			PP	11 54 02.0	1.4			
			S	11 58 32.0	−3.0			
			SMN				14.0	2.50
			LN	$M_S = 5.8$			20.0	6.84
			LE				20.0	3.85
			LZ	$M_S = 5.7$			32.0	17.7
BTO	42.0	342	P	11 52 22.0	−0.6			
			ePP	11 54 04.0	0.9			
			S	11 58 38.0	−0.5			
			SS	12 01 41.0	−0.1			
			LN	$M_S = 5.9$			25.0	11.1
			LE				25.0	8.50
			LZ	$M_S = 5.8$			25.0	14.4
CN2	42.6	359	+iP	11 52 26.8	−0.4			
			PMZ	$m_B = 5.9$			6.0	1.10
			sP	11 52 40.0	0.0			
			PP	11 54 05.0	−3.7			
			eS	11 58 42.0	−5.9			
			LE	$M_S = 5.4$			18.0	2.90
			LZ	$M_S = 5.5$			22.0	6.70
MDJ	43.5	4	+P	11 52 35.0	0.3			

			sP	11 52 50.0	2.5			
			S	11 58 58.0	−2.3			
			LN		M_S = 5.7		9.0	2.58
			LZ		M_S = 5.4		30.0	6.81
LSA	43.8	314	+P	11 52 38.8	1.1			
			PcS	11 58 17.0	2.1			
			iS	11 59 05.5	−1.3			
			SME		m_B = 6.0		6.0	1.50
GTA	45.1	331	+iP	11 52 47.6	−0.3			
			PMZ		m_b = 6.2		2.0	0.67
			PP	11 54 33.3	−0.4			
			PcS	11 58 20.4	0.2			
			S	11 59 23.5	−0.2			
			ScS	12 02 41.8	2.7			
			LE		M_S = 5.6		16.0	3.92
			LZ		M_S = 5.6		20.0	6.54
WMQ	54.6	326	P	11 54 00.0	−0.3			
			PcP	11 55 02.0	−0.3			
			S	12 01 34.0	−1.4			
			ScS	12 03 44.0	1.1			
			LN		M_S = 6.0		18.0	6.54
			LE				18.0	4.35
			LZ		M_S = 5.8		24.0	9.36
KSH	59.6	316	+P	11 54 36.0	0.2			
			eS	12 02 40.0	−2.6			
			LN		M_S = 5.7		16.0	3.10
			LZ		M_S = 6.0		15.0	9.50

MAR 8d 12h 43m 40.5 ± 0.11s, SD2.27 / 37
41.00 N ± 1.48km, 74.81 E ± 1.39km, h20 ± 0.48km
Kirgiziya–Xinjiang border region (320)
M_S4.5 / 2, M_L4.6 / 7, m_b4.6 / 2,

KSH	1.7	150	−iPg	12 44 14.0	3.0			
			Sg	12 44 38.0	3.7			
			SMN		M_L = 4.5		0.8	6.00
			SME				0.6	4.70
WMQ	9.9	69	P	12 46 03.2	−2.5			
			pP	12 46 10.8	−0.9			
			S	12 47 52.0	−5.5			
			LN		M_S = 4.5		6.0	0.81
			LE				6.0	1.18
			LZ		M_S = 4.2		10.0	1.18
GTA	19.1	87	+P	12 48 06.4	0.7			
			PMZ		m_b = 4.3		0.6	0.0090
LZH	23.2	93	eP	12 48 47.5	0.1			
CD2	25.4	104	eP	12 49 10.0	1.3			
TIY	29.1	84	eP	12 49 43.6	0.8			
WHN	33.5	95	eP	12 50 21.0	0.0			

MAR 8d 15h 36m 57.5 ± 0.16s, SD0.98 / 55
51.69 N ± 0.38km, 175.21 W ± 0.89km, h66 ± 1.63km
Andreanof Islands (7)
m_b5.0 / 2,

CN2	39.7	283	eP	15 44 25.0	−0.1			
SNY	41.9	281	+P	15 44 44.4	0.8			
BJI	47.5	284	eP	15 45 28.0	−0.2			
TIA	49.3	280	+P	15 45 42.8	0.3			
SSE	50.2	272	P	15 45 50.3	0.9			
			PMZ		m_b = 4.8		1.0	0.012
			pP	15 46 04.0	−1.9			
NJ2	51.0	274	+P	15 45 55.0	−0.5			
TIY	51.2	284	eP	15 45 58.0	1.0			
WHN	54.9	276	eP	15 46 23.2	−0.7			
XAN	55.8	283	P	15 46 31.0	0.3			
GTA	57.5	294	eP	15 46 42.0	−1.0			
WMQ	61.0	305	eP	15 47 06.6	−0.7			
CD2	61.1	284	P	15 47 07.4	−0.2			
GYA	62.5	279	P	15 47 17.0	−0.2			
KMI	65.9	280	+P	15 47 40.0	0.6			
LSA	69.4	292	P	15 48 03.2	1.5			

MAR 8d 18h 01m 32.9 ± 0.09s, SD1.48 / 29
6.81 S ± 0.88km, 148.02 E ± 1.24km, h62 ± 1.01km
Eastern New Guinea region (207)

SSE	45.6	327	eP	18 09 50.0	0.8			
			pP	18 10 01.0	−3.1			
WHN	49.2	321	eP	18 10 20.0	2.7			
XAN	54.9	320	P	18 10 59.0	−1.5			
TIY	55.3	326	eP	18 11 03.2	−0.1			
GTA	64.0	320	eP	18 12 06.2	3.2			
LSA	65.5	307	eP	18 12 14.2	1.0			
WMQ	74.1	319	eP	18 13 04.6	−0.2			

MAR 8d 20h 02m 01.0 ± 0.09s, SD1.74 / 91
26.99 N ± 1.42km, 92.69 E ± 1.06km, h13 ± 0.22km
Eastern India (317)
M_S4.5 / 25, M_L4.8 / 5, m_B5.4 / 2,

LSA	3.0	334	+iPg	20 02 57.3	2.4			
			Sn	20 03 32.5	5.7			
			LE		M_S = 4.6		4.0	7.60
KMI	9.2	99	+P	20 04 19.0	1.7			
			sP	20 04 29.5	4.2			
			S	20 05 56.0	−5.6			
			LN		M_S = 4.5		8.0	2.00
CD2	10.5	65	eP	20 04 34.0	0.0			
			eS	20 06 29.0	−3.1			
			LE		M_S = 4.6		7.0	1.86
			LZ		M_S = 4.3		8.0	1.16
GYA	12.5	89	P	20 05 01.6	−0.4			
			sP	20 05 14.4	4.2			
			LN		M_S = 4.7		10.0	1.91
			LE				10.0	1.78
LZH	13.1	44	−iP	20 05 09.5	−0.9			
			LE		M_S = 4.7		6.0	1.33
GTA	13.7	24	−P	20 05 16.4	−2.0			
			PMZ		m_b = 5.6		1.4	0.18
			LN		M_S = 4.3		8.0	0.62
WMQ	17.3	348	eP	20 06 04.0	0.2			
			PP	20 06 18.0	0.4			
			S	20 09 13.0	−0.6			
			SME		m_B = 5.6		4.0	1.63
			sS	20 09 21.0	−1.4			
			LE		M_S = 4.7		10.0	1.40
QZN	17.7	113	P	20 06 12.8	4.1			
KSH	18.7	316	eP	20 06 23.0	0.8			
			pP	20 06 31.0	4.1			
			eS	20 09 48.0	−0.1			
			LE		M_S = 4.8		10.0	1.60
WHN	19.3	74	−P	20 06 28.5	−0.3			
			PMZ		m_b = 5.3		1.0	0.16
			S	20 10 00.0	0.0			
			LN		M_S = 4.9		12.0	1.88
			LE				10.0	0.62
BTO	19.7	42	−iP	20 06 33.0	−0.7			
			pP	20 06 42.0	3.0			
			eS	20 10 07.5	−3.1			
			LN		M_S = 4.5		10.0	0.50
			LE				12.0	0.50
			LZ		M_S = 4.3		12.0	0.70
TIY	19.8	52	−iP	20 06 32.2	−1.9			
			PMZ		m_b = 4.9		0.8	0.050
			S	20 10 06.0	−4.4			
			sS	20 10 18.0	−1.1			
			LE		M_S = 4.5		8.0	0.58
			LZ		M_S = 4.4		22.0	1.56
HHC	20.8	44	−P	20 06 44.6	−0.7			

			eS	20 10 30.0	−2.8		
			LN	M_S=4.6		10.0	0.45
			LE			11.0	0.69
TIA	22.7	60	−P	20 07 03.8	−0.2		
			S	20 11 10.0	3.3		
			SME	m_B=5.2		7.0	0.64
NJ2	23.3	71	+P	20 07 10.0	0.2		
			S	20 11 14.0	−3.3		
			LZ	M_S=4.0		25.0	0.67
BJI	23.4	50	eP	20 07 12.0	0.9		
			eS	20 11 18.0	−2.4		
			LN	M_S=4.5		12.0	0.60
			LZ	M_S=4.1		24.0	0.70
SSE	25.2	74	P	20 07 27.5	−0.9		
			PMZ	m_b=4.5		1.0	0.012
			PP	20 08 07.0	1.1		
			sS	20 12 00.0	−0.6		
			LE	M_S=4.2		12.0	0.26
			LZ	M_S=4.1		18.0	0.45
SNY	29.3	52	−P	20 08 04.7	−0.9		
CN2	31.3	49	eP	20 08 23.5	0.2		
			sP	20 08 35.0	2.8		
			eS	20 13 25.0	−3.6		
			LZ	M_S=4.2		18.0	0.50
MDJ	34.4	49	eP	20 08 49.8	−0.3		

MAR 9d 01h 24m 57.0±0.07s, SD1.11/55
51.99 N±3.10km, 169.77 W±1.38km, h34±0.94km
Fox Islands (9)
M_S4.6/1, m_b5.0/2,

CN2	42.9	286	eP	01 32 54.0	−0.4		
			sP	01 33 06.0	−2.0		
BJI	50.7	287	eP	01 33 55.5	−0.1		
			LZ	M_S=4.3		20.0	0.30
TIA	52.6	283	+P	01 34 10.2	0.0		
HHC	52.8	291	−P	01 34 13.0	0.9		
SSE	53.6	275	eP	01 34 19.0	1.4		
			PMZ	m_b=4.9		1.0	0.015
BTO	53.9	292	eP	01 34 20.0	0.1		
NJ2	54.4	278	+P	01 34 22.5	−0.8		
TIY	54.4	288	eP	01 34 24.3	0.7		
			LZ	M_S=4.6		20.0	0.50
WHN	58.2	280	eP	01 34 50.0	−0.5		
XAN	59.0	287	P	01 34 56.1	−0.2		
LZH	60.5	292	+P	01 35 07.5	0.6		
			PMZ	m_b=5.2		1.5	0.048
WMQ	63.6	308	P	01 35 27.0	−0.4		
CD2	64.3	288	P	01 35 32.6	0.8		
GYA	65.8	282	P	01 35 42.0	0.4		
			sP	01 35 54.8	−0.5		
LSA	72.4	296	P	01 36 24.6	1.8		

MAR 9d 02h 36m 59.5±0.09s, SD0.79/59
13.67 S±1.37km, 34.33 E±1.15km, h28±0.25km
Mocambique (581)
M_S5.6/10, m_B5.8/3, m_b5.2/3,

KSH	65.6	34	−iP	02 47 43.0	−0.5		
			PMZ			3.0	0.40
			sP	02 47 54.0	−1.8		
			S	02 56 25.0	0.6		
			LN	M_S=5.5		18.0	1.70
LSA	69.7	51	P	02 48 09.9	0.2		
KMI	77.0	60	−P	02 48 52.0	−0.4		
			PMZ	m_B=5.6		7.0	0.60
			PcP	02 49 02.0	−0.4		
			S	02 58 37.5	1.3		
			LN	M_S=5.5		17.0	1.40
CD2	80.0	55	+iP	02 49 08.6	−0.1		
			eS	02 59 06.7	−3.3		
GTA	80.6	46	P	02 49 11.8	0.0		
			PMZ	m_b=5.2		1.2	0.034
GYA	80.8	60	P	02 49 12.2	−0.6		
			pP	02 49 22.0	0.6		
			S	02 59 15.0	−1.2		
			SKS	02 59 25.0	1.8		
QZN	81.1	68	eP	02 49 14.5	−0.2		
			eS	02 59 22.0	0.2		
			LE	M_S=5.6		18.0	1.50
LZH	82.1	50	P	02 49 20.0	0.3		
			PMZ			3.0	0.25
			pP	02 49 29.0	0.8		
			LZ	M_S=5.2		20.0	1.05
XAN	85.2	53	P	02 49 35.6	0.2		
BTO	88.2	48	eP	02 49 51.0	0.7		
			pP	02 49 59.0	0.0		
			eSKS	03 00 16.0	2.6		
			S	03 00 33.0	3.2		
			LN	M_S=5.7		16.0	0.90
			LE			16.0	1.00
WHN	88.5	58	eP	02 49 51.0	−0.3		
			pP	02 49 59.0	−1.1		
			eS	03 00 33.0	−0.8		
			SME	m_B=5.8		6.0	0.60
			LZ	M_S=5.3		20.0	1.27
TIY	89.1	51	eP	02 49 54.5	0.2		
			pP	02 50 04.5	1.5		
			SKS	03 00 19.0	0.4		
			S	03 00 41.5	3.7		
			LE	M_S=5.1		12.0	0.29
			LZ	M_S=5.3		20.0	1.25
BJI	92.6	50	eP	02 50 10.0	−0.3		
			epP	02 50 19.0	−0.2		
			eSKS	03 00 40.0	1.0		
			eS	03 01 10.0	−0.5		
			LZ	M_S=5.1		20.0	0.70
NJ2	92.6	58	eP	02 50 10.5	0.0		
			pP	02 50 19.8	0.5		
			LZ	M_S=5.0		18.0	0.54
CN2	100.1	47	eP	02 50 44.0	−0.8		
			pP	02 50 53.0	−0.5		
			eS	03 02 14.0	−0.8		
			LN	M_S=5.5		14.0	0.60
MDJ	103.2	47	eP	02 50 57.0	−1.5		
			SKS	03 01 28.0	−5.6		
			S	03 02 39.0	0.4		
			LZ	M_S=5.3		20.0	0.88

MAR 9d 17h 49m 12.9±0.10s, SD3.21/11
27.19 N±0.91km, 102.77 E±0.81km, h5±0.52km
Sichuan Province (307)
M_L3.0/7,

GYA	3.6	101	Pg	17 50 11.4	−4.4		
			Sg	17 51 05.2	1.0		
			SMN	M_L=2.7		1.0	0.020
			SME			1.0	0.020
CD2	3.8	13	Pn	17 50 11.8	−0.7		
			Sn	17 51 04.0	4.4		
			SMN	M_L=3.2		0.8	0.040
			SME			1.0	0.080
XAN	8.6	36	P	17 51 22.9	1.2		

MAR 9d 23h 37m 08.7±0.07s, SD1.39/61
36.21 N±1.58km, 140.97 E±1.36km, h50±0.72km
Near east coast of Honshu (228)
M_S4.4/1, m_b4.7/1,

MDJ	12.1	318	eP	23 40 03.2	2.5		

CN2	14.1	307	eP	23 40 29.0	1.4			
SNY	14.6	298	eP	23 40 31.8	−2.8			
NJ2	18.8	264	eP	23 41 26.0	−0.4			
TIA	19.2	277	eP	23 41 30.3	−1.6			
BJI	19.9	289	eP	23 41 37.0	−1.6			
TIY	22.8	282	+iP	23 42 10.0	1.3			
			sP	23 42 28.0	2.1			
			eS	23 46 14.5	4.7			
			LE	M_S = 4.4		10.0	0.43	
			LZ	M_S = 4.2		17.0	0.72	
WHN	22.9	263	−P	23 42 11.0	1.6			
BTO	24.6	290	eP	23 42 24.2	−1.6			
XAN	26.2	275	P	23 42 40.6	−0.8			
GYA	30.7	261	P	23 43 21.8	−0.1			
CD2	31.3	271	P	23 43 26.6	−0.5			
GTA	32.5	288	eP	23 43 36.2	−1.0			
			PMZ	m_b = 4.7		0.5	0.0070	
WMQ	40.9	298	eP	23 44 49.2	1.0			

MAR 9d 23h 39m 30.5 ± 0.44s, SD3.23 / 8
36.04 N ± 2.59km, 77.76 E ± 1.46km, h31 ± 1.66km
Eastern Kashmir (302)
M_L3.7 / 3, m_b4.3 / 1,

KSH	3.8	338	ePg	23 40 37.0	−0.3			
			eSg	23 41 27.5	−1.1			
			SMN	M_L = 3.7		1.0	0.30	
			SME			0.5	0.10	
WMQ	10.9	41	eP	23 42 06.1	−1.3			
GTA	17.8	72	eP	23 43 36.2	−1.2			
			PMZ	m_b = 4.3		0.5	0.0070	

MAR 10d 03h 40m 40.9 ± 0.05s, SD0.87 / 56
44.34 N ± 1.36km, 148.51 E ± 0.84km, h57 ± 0.57km
Kurile Islands region (222)

MDJ	13.5	278	eP	03 43 53.0	1.2			
CN2	16.6	276	eP	03 44 32.0	0.8			
SNY	18.4	271	eP	03 44 53.0	−0.2			
BJI	24.2	271	eP	03 45 53.5	−0.4			
TIA	25.2	262	eP	03 46 03.4	0.6			
SSE	25.2	248	eP	03 46 04.0	1.0			
NJ2	26.2	252	−P	03 46 12.5	0.2			
HHC	27.3	276	eP	03 46 21.8	−0.6			
TIY	27.8	269	eP	03 46 27.4	−0.2			
BTO	28.5	276	eP	03 46 34.0	0.9			
WHN	30.2	255	+iP	03 46 48.0	−0.3			
XAN	32.1	265	P	03 47 03.7	−1.4			
LZH	34.7	272	+P	03 47 28.0	−0.1			
CD2	37.4	264	+iP	03 47 50.4	−0.5			
GYA	38.0	256	P	03 47 55.6	−0.2			
WMQ	42.8	292	P	03 48 35.0	−0.2			

MAR 10d 09h 10m 45.3 ± 0.09s, SD0.86 / 74
6.89 S ± 0.76km, 155.97 E ± 0.79km, h110 ± 0.82km
Solomon Islands (193)
m_b4.7 / 2,

NJ2	52.5	320	+P	09 19 50.0	0.7			
WHN	54.5	315	eP	09 20 05.0	0.3			
TIA	56.3	322	eP	09 20 16.3	−0.9			
MDJ	56.5	338	eP	09 20 19.2	0.4			
CN2	57.5	334	eP	09 20 26.0	0.1			
GYA	58.2	307	P	09 20 30.4	−0.2			
BJI	59.4	325	eP	09 20 38.5	−0.4			
TIY	60.1	321	eP	09 20 43.6	−0.4			
XAN	60.3	316	P	09 20 43.0	−2.3			
CD2	62.5	310	+iP	09 20 59.6	−0.4			
HHC	62.6	323	P	09 21 00.6	−0.1			
BTO	63.4	322	eP	09 21 06.0	0.2			
LZH	64.9	315	eP	09 21 16.0	−0.1			
GTA	69.3	317	eP	09 21 43.8	0.1			
			PMZ	m_b = 4.4		0.8	0.0050	
LSA	72.0	304	P	09 22 00.9	0.7			
WMQ	79.4	317	eP	09 22 42.0	0.3			
KSH	86.7	310	P	09 23 21.5	2.5			

MAR 10d 10h 38m 15.1 ± 0.06s, SD0.86 / 54
56.25 N ± 1.52km, 153.71 W ± 0.88km, h33 ± 0.21km
South of Alaska (17)
M_S5.2 / 5, m_b5.0 / 2,

MDJ	47.7	290	eP	10 46 50.0	−1.4			
CN2	50.5	292	P	10 47 12.0	−0.3			
			epP	10 47 26.0	4.3			
			eS	10 54 21.0	−1.8			
			LZ	M_S = 4.6		20.0	0.60	
SNY	52.8	292	−iP	10 47 30.2	0.1			
			epP	10 47 43.6	4.0			
			S	10 54 56.0	1.8			
			LN	M_S = 5.1		23.0	1.01	
			LE			22.0	0.74	
			LZ	M_S = 4.4		22.0	0.37	
BJI	57.9	295	eP	10 48 06.5	−0.6			
HHC	59.6	299	eP	10 48 19.7	0.7			
BTO	60.6	300	eP	10 48 25.0	−0.5			
			esP	10 48 39.0	0.3			
			eS	10 56 35.0	−3.0			
			LN	M_S = 5.3		13.0	0.40	
			LE			13.0	0.70	
TIY	61.6	296	eP	10 48 28.5	−3.9			
			LZ	M_S = 4.8		16.0	0.60	
SSE	62.1	285	eP	10 48 36.5	0.6			
NJ2	62.7	287	−P	10 48 39.0	−0.3			
WHN	66.2	290	eP	10 49 02.0	−0.5			
XAN	66.2	296	P	10 49 02.6	−0.1			
GTA	66.3	306	+P	10 49 02.8	−0.4			
			PMZ	m_b = 4.9		1.4	0.022	
			LN	M_S = 5.3		11.0	0.70	
			LZ	M_S = 5.2		16.0	1.20	
LZH	67.1	301	P	10 49 07.5	−0.8			
			PMZ	m_b = 5.2		2.0	0.060	
WMQ	67.7	317	P	10 49 13.0	0.9			
			PcP	10 49 39.0	1.0			
			eS	10 58 07.0	0.4			
			LZ	M_S = 5.2		16.0	1.07	
CD2	71.3	298	P	10 49 34.6	0.3			
GYA	73.5	293	P	10 49 48.0	0.8			

MAR 10d 14h 14m 09.6 ± 0.10s, SD1.15 / 94
4.36 S ± 1.03km, 152.82 E ± 1.62km, h53 ± 0.70km
New Britain region (192)
M_S5.5 / 37, m_B6.0 / 12, m_b5.3 / 7,

QZH	44.2	313	eP	14 22 16.5	0.7			
			pP	14 22 30.0	1.1			
			eS	14 28 51.0	6.3			
			LE	M_S = 5.3		18.0	2.07	
			LZ	M_S = 5.0		20.0	2.00	
SSE	46.4	322	eP	14 22 33.0	−0.3			
			S	14 29 22.0	6.8			
			LN	M_S = 5.0		14.0	0.67	
			LE			14.0	0.49	
			LZ	M_S = 5.1		20.0	2.33	
QZN	48.3	300	eP	14 22 50.0	2.1			
			PP	14 24 41.0	1.9			
			eS	14 29 40.0	−2.5			
			sS	14 30 02.0	−3.1			
			SS	14 33 04.0	−2.5			
			LE	M_S = 5.6		21.0	3.78	
NJ2	48.5	321	−P	14 22 51.0	1.2			

			PcS	14	28	08.4	−0.7			HHC	58.7	324	eP	14	24	04.6	−0.4
			S	14	29	50.0	5.0						pP	14	24	20.0	1.8
			LN			$M_S=5.3$		15.0	1.21				sP	14	24	28.0	4.2
			LE					15.0	0.76				S	14	32	08.0	5.4		
			LZ			$M_S=5.1$		24.0	2.61				LE			$M_S=5.5$		19.0	2.10
WHN	50.6	316	eP	14	23	05.0	−0.5						LZ			$M_S=5.3$		30.0	3.96
			PMZ			$m_B=6.0$		7.0	1.33	BTO	59.5	323	P	14	24	10.0	−0.2		
			sP	14	23	28.0	3.8						pP	14	24	25.0	1.5		
			eS	14	30	14.0	−0.3						PP	14	26	24.5	2.1		
			LN			$M_S=5.6$		18.0	1.89				eS	14	32	13.0	−0.9		
			LE					20.0	2.63				sS	14	32	43.0	6.3		
			LZ			$M_S=5.4$		24.0	4.19				LN			$M_S=5.6$		17.0	1.70
DL2	51.8	329	eP	14	23	15.0	0.1						LE					17.0	1.60
			S	14	30	32.0	1.5						LZ			$M_S=5.4$		17.0	2.30
			LE			$M_S=5.4$		15.0	1.60	LZH	60.9	316	+P	14	24	19.5	−0.9		
			LZ			$M_S=4.8$		36.0	1.70				PMZ			$m_b=5.3$		2.0	0.080
TIA	52.4	323	eP	14	23	18.4	−0.8						pP	14	24	32.0	−1.5		
			SMN			$m_B=5.8$		6.0	0.47				S	14	32	37.0	5.7		
			SME					6.0	0.49				LE			$M_S=5.6$		20.0	2.86
			LZ			$M_S=4.9$		30.0	1.84				LZ			$M_S=5.4$		20.0	2.89
MDJ	53.0	339	eP	14	23	23.0	−1.0			GTA	65.4	317	+iP	14	24	49.5	0.0		
			pP	14	23	40.0	2.8						PMZ			$m_b=4.8$		1.0	0.013
			S	14	30	46.0	−1.0						pP	14	25	04.0	1.1		
			LN			$M_S=5.2$		16.0	1.01				sP	14	25	10.4	1.9		
			LZ			$M_S=5.0$		25.0	1.89				S	14	33	26.0	−0.4		
SNY	53.1	333	eP	14	23	23.6	−1.2						LE			$M_S=5.6$		18.0	2.19
			PMZ			$m_B=6.1$		6.0	1.38				LZ			$M_S=5.3$		20.0	2.14
			sP	14	23	42.0	−1.6			LSA	68.0	304	P	14	25	07.1	0.5		
			S	14	30	50.5	2.1						S	14	34	05.0	6.5		
			LN			$M_S=5.5$		18.0	1.89	WMQ	75.4	317	−P	14	25	51.0	0.5		
			LE					18.0	1.88				PcP	14	26	02.5	0.0		
			LZ			$M_S=5.3$		19.0	2.87				S	14	35	25.0	1.3		
CN2	53.9	336	−P	14	23	29.8	−0.8						sS	14	35	48.0	−0.6		
			PMZ			$m_B=6.0$		6.0	1.20				SS	14	40	16.0	−1.1		
			sP	14	23	49.5	0.0						LZ			$M_S=5.2$		24.0	1.65
			eS	14	30	58.0	−2.3			KSH	82.7	311	eP	14	26	30.0	−0.1		
			LN			$M_S=5.1$		15.0	0.80				sP	14	26	49.0	−0.2		
			LZ			$M_S=5.3$		19.0	2.40				S	14	36	42.0	1.4		
GYA	54.1	307	P	14	23	33.4	0.9						LN			$M_S=5.7$		18.0	2.00
			pP	14	23	49.4	3.8												
			PP	14	25	36.0	1.5												
			S	14	31	07.0	4.7												
			LN			$M_S=5.7$		20.0	2.10										
			LE					20.0	4.08										
			LZ			$M_S=5.2$		22.0	2.47										
BJI	55.5	326	eP	14	23	42.0	−0.4												
			epP	14	23	52.5	−3.3												
			S	14	31	21.0	0.0												
			LE			$M_S=5.3$		20.0	1.60										
			LZ			$M_S=5.3$		24.0	2.90										
TIY	56.2	322	−P	14	23	47.2	−0.1												
			pP	14	23	56.5	−4.0												
			LN			$M_S=5.5$		18.0	1.90										
			LE					15.0.	0.92										
			LZ			$M_S=5.3$		24.0	2.99										
XAN	56.3	316	+P	14	23	46.6	−1.5												
			S	14	31	36.0	4.6												
			LN			$M_S=5.8$		21.0	3.30										
			LE					20.0	3.70										
KMI	56.8	304	−P	14	23	52.5	1.0												
			pP	14	24	03.0	−1.5												
			PP	14	26	04.0	5.9												
			LN			$M_S=5.5$		20.0	2.20										
			LZ			$M_S=5.5$		22.0	4.40										
CD2	58.5	310	eP	14	24	02.6	−0.7												
			eS	14	32	06.0	5.2												
			LN			$M_S=5.6$		16.0	2.19										
			LZ			$M_S=5.2$		24.0	2.10										

MAR 10d 21h 49m 44.6 ± 0.11s, SD0.89 / 104
13.64 S ± 1.44km, 34.33 E ± 1.69km, h29 ± 0.30km
Mocambique (581)
M_S6.2 / 48, m_B6.3 / 20, m_b5.7 / 10,

KSH	65.5	34	−P	22	00	29.0	0.5		
			pP	22	00	38.0	0.8		
			S	22	09	11.0	1.8		
			SMN			$m_B=6.4$		10.0	4.40
			LN			$M_S=6.3$		22.0	14.2
			LZ			$M_S=6.3$		24.0	22.2
LSA	69.7	51	P	22	00	54.8	0.1		
			pP	22	01	04.0	1.1		
			iS	22	09	59.0	−1.9		
			sS	22	10	11.0	−3.5		
			LN			$M_S=6.2$		17.0	6.30
			LE					16.0	4.80
WMQ	75.0	37	−iP	22	01	26.2	0.0		
			PMZ			$m_B=6.3$		4.0	1.57
			pP	22	01	35.0	0.2		
			S	22	11	01.6	1.7		
			LN			$M_S=6.3$		18.0	6.54
			LE					18.0	5.80
			LZ			$M_S=6.0$		24.0	8.76
KMI	77.0	60	−iP	22	01	37.5	0.1		
			PMZ			$m_B=6.0$		4.0	0.80
			PcP	22	01	46.5	−1.0		
			sP	22	01	49.0	−0.5		
			iS	22	11	22.0	−1.2		

			SME		$m_B = 6.5$	8.0	2.90
			LN		$M_S = 6.1$	15.0	4.80
			LZ		$M_S = 6.1$	25.0	11.4
CD2	80.0	55	P	22 01 52.8	−0.9		
			pP	22 02 01.5	−0.9		
			iS	22 11 52.0	−3.0		
			SKS	22 12 03.2	0.4		
			LN		$M_S = 6.1$	16.5	5.08
			LZ		$M_S = 5.8$	20.0	4.26
GTA	80.5	46	−iP	22 01 56.8	0.0		
			PMZ		$m_b = 5.7$	1.6	0.16
			pP	22 02 02.0	−3.3		
			sP	22 02 06.0	−2.9		
			S	22 11 59.0	0.0		
			sS	22 12 11.5	−3.6		
			LE		$M_S = 6.2$	17.0	6.23
			LZ		$M_S = 5.9$	22.0	6.52
GYA	80.8	60	P	22 01 57.8	−0.1		
			pP	22 02 07.0	0.6		
			S	22 12 00.0	−1.2		
			sS	22 12 12.0	−5.4		
			LN		$M_S = 6.2$	15.0	2.96
			LE			15.0	3.86
			LZ		$M_S = 5.7$	22.0	3.65
LZH	82.1	50	−P	22 02 05.0	0.3		
			PMZ		$m_b = 5.8$	1.5	0.18
			PMZ		$m_B = 6.1$	6.0	1.15
			pP	22 02 14.0	0.8		
			PP	22 05 08.0	−5.5		
			S	22 12 12.0	−2.6		
			SME		$m_B = 6.3$	9.0	2.20
			LE		$M_S = 6.2$	19.0	6.00
			LZ		$M_S = 6.2$	20.0	9.70
XAN	85.2	53	−iP	22 02 19.9	−0.6		
			sP	22 02 30.0	−2.8		
			LN		$M_S = 6.2$	21.0	5.40
			LE			18.0	3.40
GZH	85.5	65	eP	22 02 22.5	0.8		
			SKS	22 12 44.0	3.6		
			S	22 12 50.0	1.5		
			LE		$M_S = 6.6$	19.0	16.3
			LZ		$M_S = 6.4$	20.0	14.7
BTO	88.2	48	P	22 02 35.0	−0.3		
			pP	22 02 44.0	0.0		
			ePP	22 06 03.5	−0.3		
			SKS	22 12 58.0	−0.4		
			S	22 13 15.0	0.2		
			LN		$M_S = 6.3$	21.0	4.80
			LE			18.0	6.30
			LZ		$M_S = 6.3$	18.0	10.0
WHN	88.5	58	+P	22 02 36.8	0.5		
			PMZ		$m_b = 5.7$	1.5	0.090
			pP	22 02 46.0	0.8		
			SKS	22 12 58.0	−1.9		
			S	22 13 20.0	3.0		
			SME		$m_B = 6.4$	10.0	3.69
			LN		$M_S = 6.4$	21.0	7.00
			LE			18.0	5.06
			LZ		$M_S = 6.2$	20.0	8.90
TIY	89.1	51	−iP	22 02 39.4	0.1		
			SKS	22 13 03.5	−0.1		
			S	22 13 25.0	2.3		
			LN		$M_S = 6.4$	20.0	8.27
			LE			18.0	3.60
			LZ		$M_S = 6.2$	20.0	8.51
HHC	89.4	48	eP	22 02 41.0	0.0		
			sP	22 02 54.5	1.2		
			PP	22 06 15.0	1.6		
			S	22 13 26.0	0.2		
			SMN		$m_B = 6.3$	10.0	1.09
			SME			10.0	2.80
			LN		$M_S = 6.5$	15.0	4.20
			LE			15.0	7.71
			LZ		$M_S = 5.7$	40.0	5.31
QZH	90.6	65	eP	22 02 46.0	−0.3		
			SKS	22 13 14.0	1.3		
			S	22 13 40.0	3.6		
			SS	22 19 38.0	−3.5		
			LE		$M_S = 6.5$	18.0	9.74
			LZ		$M_S = 6.3$	20.0	10.6
TIA	92.2	53	eP	22 02 53.4	−0.7		
			SKS	22 13 20.0	−2.3		
			LN		$M_S = 6.3$	18.0	6.78
			LZ		$M_S = 5.8$	22.0	4.00
BJI	92.5	50	P	22 02 54.5	−0.9		
			PMZ			15.0	0.70
			SKS	22 13 24.0	0.0		
			eS	22 13 54.0	−1.4		
			LN		$M_S = 6.2$	18.0	3.50
			LE			18.0	3.90
			LZ		$M_S = 6.1$	19.0	6.30
NJ2	92.6	58	+P	22 02 55.0	−0.6		
			pP	22 03 05.0	0.6		
			SKS	22 13 24.0	−0.2		
			LN		$M_S = 6.0$	18.0	2.23
			LE			19.0	2.26
			LZ		$M_S = 6.0$	20.0	5.43
SSE	94.3	59	eP	22 03 02.5	−0.8		
			PMZ		$m_b = 5.4$	1.3	0.021
			pP	22 03 12.5	0.4		
			SKS	22 13 32.0	−1.7		
			eS	22 14 08.0	−2.5		
			SS	22 20 28.0	−6.4		
			LN		$M_S = 6.1$	16.0	2.35
			LE			16.0	2.94
			LZ		$M_S = 6.0$	20.0	5.12
DL2	96.4	52	eP	22 03 11.0	−1.8		
			SKS	22 13 44.0	−0.8		
			LN		$M_S = 6.2$	15.0	2.20
			LE			17.0	3.70
			LZ		$M_S = 5.7$	30.0	3.70
SNY	98.4	49	eP	22 03 21.4	−0.6		
			pP	22 03 30.0	−0.9		
			sP	22 03 32.1	−2.4		
			SKS	22 13 55.0	−1.0		
			S	22 14 45.0	1.4		
			LN		$M_S = 6.1$	18.0	3.16
			LE			17.0	2.20
			LZ		$M_S = 6.0$	24.0	5.15
CN2	100.1	47	P	22 03 30.0	0.2		
			pP	22 03 37.0	−1.6		
			ePP	22 07 40.0	3.1		
			SKS	22 14 04.0	0.0		
			eS	22 15 03.0	3.3		
			LN		$M_S = 6.1$	17.0	2.90
			LZ		$M_S = 6.3$	20.0	8.40
MDJ	103.2	47	eP	22 03 42.0	−1.5		
			PP	22 08 05.0	4.7		
			SKS	22 14 20.0	1.4		
			LN		$M_S = 6.2$	18.0	4.27
			LZ		$M_S = 5.7$	35.0	4.11

MAR 11d 02h 16m 15.4 ± 0.07s, SD0.73 / 28
24.78 N ± 0.65km, 141.27 E ± 0.77km, h217 ± 0.53km
Volcano Islands region (213)
m_b4.3 / 1,

NJ2	21.0	295	+P	02 20 44.0	1.1			
SNY	22.5	324	eP	02 20 56.8	−0.4			
CN2	23.0	330	eP	02 21 02.0	−0.2			
TIA	23.7	304	eP	02 21 08.6	−0.1			
WHN	24.5	290	eP	02 21 18.0	1.5			
TIY	27.7	305	eP	02 21 45.8	−0.2			
GYA	31.2	281	P	02 22 16.6	−0.3			
GTA	37.7	303	P	02 23 11.8	−0.3			
			PMZ	$m_b = 4.3$		0.8	0.0080	
WMQ	47.3	308	P	02 24 29.0	−0.3			

MAR 11d 04h 02m 26.5 ± 0.07s, SD0.89 / 86
5.17 S ± 0.83km, 152.60 E ± 1.07km, h51 ± 0.42km
New Britain region (192)
M_S5.4 / 7, m_b5.3 / 5,

QZH	44.6	314	eP	04 10 36.0	0.1			
SSE	46.9	322	P	04 10 54.0	−0.2			
			PMZ	$m_b = 4.8$		1.1	0.014	
			sP	04 11 13.0	0.5			
			S	04 17 40.0	0.7			
			LZ	$M_S = 4.4$		20.0	0.47	
QZN	48.5	301	−P	04 11 07.8	1.2			
			eS	04 18 02.5	−0.2			
NJ2	49.0	321	+P	04 11 11.8	1.3			
			PcS	04 16 28.4	0.3			
			S	04 18 12.0	3.2			
			LN	$M_S = 5.4$		21.0	1.47	
			LE			19.0	1.94	
WHN	51.0	317	+P	04 11 26.0	0.3			
TIA	52.9	324	eP	04 11 39.5	−0.5			
MDJ	53.7	340	eP	04 11 48.0	2.0			
GYA	54.5	308	P	04 11 52.0	0.3			
			pP	04 12 07.0	2.4			
CN2	54.5	336	eP	04 11 52.4	0.2			
			pP	04 12 07.0	1.7			
BJI	56.1	327	eP	04 12 02.5	−0.8			
TIY	56.7	322	−iP	04 12 07.6	−0.2			
			eS	04 19 54.0	−0.7			
			LN	$M_S = 5.4$		16.0	1.08	
			LE			17.0	1.29	
			LZ	$M_S = 4.8$		22.0	0.78	
XAN	56.7	317	P	04 12 07.1	−1.1			
KMI	57.0	304	+P	04 12 10.5	0.1			
			sP	04 12 25.5	−3.1			
CD2	58.8	311	P	04 12 22.4	−0.3			
HHC	59.2	325	P	04 12 25.2	−0.4			
BTO	60.0	323	P	04 12 30.0	−0.7			
			pP	04 12 45.5	1.8			
			eS	04 20 37.0	−0.6			
			LN	$M_S = 5.3$		20.0	0.80	
			LE			20.0	1.00	
LZH	61.4	316	eP	04 12 40.0	−0.2			
			PMZ	$m_b = 5.7$		1.5	0.15	
GTA	65.8	317	+iP	04 13 09.5	0.2			
			PMZ	$m_b = 5.3$		1.2	0.047	
LSA	68.3	305	P	04 13 26.0	0.7			
WMQ	75.9	317	P	04 14 10.0	−0.1			
			PMZ	$m_b = 5.2$		1.5	0.050	
			pP	04 14 25.5	2.3			
			S	04 23 47.0	1.3			
KSH	83.1	311	eP	04 14 50.0	1.1			
			sP	04 15 08.0	0.4			
			eS	04 25 04.0	0.7			
			LN	$M_S = 5.6$		6.0	0.50	

MAR 11d 05h 05m 01.2 ± 0.11s, SD0.89 / 94
17.77 S ± 1.32km, 174.65 W ± 1.40km, h242 ± 0.79km
Tonga (173)

m_B6.7 / 53, m_b6.2 / 13,

QZH	77.6	301	+iP	05 16 32.0	−1.2			
			iS	05 26 06.0	2.0			
			SME	$m_B = 6.6$		11.0	12.2	
			ScS	05 26 28.5	3.7			
SSE	78.4	308	+P	05 16 36.0	−1.5			
			PMZ	$m_b = 6.2$		1.0	0.53	
			PMZ	$m_B = 6.6$		10.0	11.9	
			iS	05 26 14.0	1.5			
			iScS	05 26 34.0	2.6			
			LN			13.0	2.88	
			LE			14.0	2.45	
			LZ			24.0	24.1	
MDJ	80.2	323	+iP	05 16 47.0	0.2			
			pP	05 17 48.0	4.3			
			sP	05 18 12.0	3.1			
			PP	05 19 50.0	−3.2			
			S	05 26 36.0	7.0			
			SMN	$m_B = 6.9$		10.0	21.3	
			LE			14.0	5.27	
NJ2	80.6	308	+iP	05 16 49.0	−0.3			
			PMZ	$m_b = 5.9$		1.0	0.22	
			PMZ	$m_B = 6.6$		9.0	12.0	
			PP	05 19 54.0	−3.6			
			iS	05 26 42.0	6.5			
GZH	81.2	298	P	05 16 52.8	0.6			
			PMZ	$m_B = 6.6$		10.0	11.3	
			pP	05 17 44.0	−5.2			
			sP	05 18 10.0	−4.5			
			PP	05 19 59.0	−3.4			
			iS	05 26 47.0	5.7			
			LZ			40.0	20.2	
DL2	82.0	315	+iP	05 16 56.0	−0.2			
			PMZ			16.0	10.3	
			iS	05 26 54.0	4.9			
			SMN			20.0	15.5	
			SME			19.0	10.5	
			LZ			28.0	10.4	
CN2	82.1	321	+iP	05 16 56.0	−1.0			
			PMZ	$m_B = 6.8$		7.5	13.0	
			pP	05 17 59.0	4.9			
			PP	05 20 07.0	−2.7			
			PPMZ			8.5	4.70	
			S	05 26 53.0	4.0			
			SMN	$m_B = 6.7$		10.0	12.6	
SNY	82.2	318	+iP	05 16 57.0	−0.4			
			PMZ			16.0	21.1	
			iS	05 26 54.0	2.5			
			SMN			22.0	33.0	
			SME			20.0	20.8	
QZN	82.7	293	+iP	05 17 00.0	0.1			
			PMZ	$m_B = 6.6$		11.0	13.8	
			pP	05 18 01.5	4.5			
			PP	05 20 11.0	−3.1			
			S	05 27 00.0	5.4			
			SMN			13.0	8.10	
			SME			12.0	7.90	
			SS	05 32 31.0	4.7			
WHN	83.4	305	+iP	05 17 04.0	0.3			
			PMZ	$m_b = 6.4$		1.5	1.19	
			PMZ	$m_B = 6.7$		10.0	16.1	
			pP	05 18 06.0	5.1			
			iS	05 27 04.0	0.3			
			SME	$m_B = 6.8$		11.0	18.9	
TIA	83.8	311	eP	05 17 05.6	−0.1			
			PMZ	$m_B = 6.4$		12.0	8.25	
			sP	05 18 25.9	−2.1			
			iS	05 27 07.0	−0.6			

			SMN		$m_B = 7.0$		11.0	11.7
			SME				11.0	23.5
BJI	86.2	314	+P	05 17 17.5		0.0		
			PMZ		$m_B = 6.5$		9.0	10.5
			pP	05 18 19.5		4.5		
			eSKS	05 27 22.0		5.4		
			eS	05 27 35.0		4.3		
TIY	87.9	311	+P	05 17 25.4		0.0		
			PMZ		$m_b = 6.3$		1.1	0.72
			PMZ		$m_B = 6.5$		10.0	11.4
			pP	05 18 21.0		−1.9		
			sP	05 18 46.5		−1.5		
			PP	05 20 51.5		−5.1		
			SKS	05 27 33.0		5.9		
GYA	88.1	298	P	05 17 27.0		0.5		
			PMZ		$m_B = 6.8$		6.0	11.7
			SKS	05 27 35.0		6.4		
XAN	89.0	306	+P	05 17 30.9		0.0		
			PMZ		$m_B = 6.6$		10.0	10.8
			pP	05 18 27.4		−1.2		
			sP	05 18 56.4		2.8		
			SKS	05 27 37.4		3.0		
HHC	89.8	313	+iP	05 17 34.5		0.2		
			PMZ		$m_B = 6.5$		10.0	8.14
			pP	05 18 37.0		4.9		
			SKS	05 27 45.0		6.3		
			SMN		$m_B = 7.0$		12.0	11.2
			SME				12.0	17.4
			LN				13.0	3.70
			LE				12.0	2.80
			LZ				30.0	11.9
BTO	90.7	313	+iP	05 17 38.5		−0.3		
			PMZ		$m_B = 6.6$		8.0	7.60
			pP	05 18 42.0		5.4		
			PP	05 21 16.9		−1.5		
			SKS	05 27 51.0		6.5		
			S	05 28 16.0		5.6		
			LN				18.0	4.90
			LE				15.0	3.90
			LZ				15.0	4.20
KMI	91.0	296	+iP	05 17 41.5		1.5		
			PMZ		$m_B = 6.2$		11.0	4.20
			pP	05 18 42.0		4.3		
			PP	05 21 19.0		−1.2		
			SKS	05 27 51.0		5.2		
			LE				18.0	5.40
			LZ				20.0	4.70
CD2	92.0	302	eP	05 17 45.0		0.2		
			PMZ				14.0	8.53
			PP	05 21 26.0		−3.6		
			iSKS	05 27 54.8		3.1		
			iS	05 28 30.2		6.7		
			SME		$m_B = 7.1$		10.0	19.2
			LN				17.0	9.07
			LZ				30.0	6.44
LZH	93.7	307	+iP	05 17 51.5		−0.9		
			PMZ		$m_b = 6.1$		1.0	0.22
			PMZ		$m_B = 6.5$		10.0	5.96
			pP	05 18 54.0		3.8		
			PP	05 21 38.0		−4.6		
			SKS	05 28 04.0		3.2		
			LN				20.0	6.90
			LE				17.0	5.90
			LZ				32.0	22.3
GTA	97.7	309	+iP	05 18 10.8		0.0		
			PMZ		$m_B = 6.4$		10.0	2.86
			PP	05 22 09.0		−4.4		
			SKS	05 28 25.0		2.1		
			LN				18.0	7.37
			LZ				31.0	11.5
LSA	102.1	297	P	05 18 32.8		1.8		
			iSKS	05 28 48.0		3.8		
			SME		$m_B = 6.8$		9.0	5.70
KSH	115.9	306	Pdif	05 19 34.0		2.4		
			cPP	05 24 26.0		−1.3		
			PPMZ		$m_B = 6.9$		8.0	5.40

MAR 11d 07h 12m 15.8 ± 0.07s, SD1.45 / 77
35.73 N ± 1.57km, 140.52 E ± 1.35km, h40 ± 0.84km
Near east coast of Honshu (228)
M_S4.2 / 8, m_b4.9 / 4,

MDJ	12.2	320	eP	07 15 10.5		0.7		
			pP	07 15 16.0		−1.5		
			S	07 17 26.0		1.4		
			LE		$M_S = 4.1$		12.0	0.73
CN2	14.1	309	eP	07 15 36.0		0.7		
SNY	14.5	300	+P	07 15 42.9		1.9		
DL2	15.4	288	eP	07 15 56.0		4.3		
SSE	16.8	260	P	07 16 10.0		0.2		
			sP	07 16 22.0		−1.3		
			LN		$M_S = 4.2$		12.0	0.51
NJ2	18.4	265	eP	07 16 29.8		0.5		
			eS	07 19 52.0		2.7		
			LN		$M_S = 4.3$		8.0	0.41
TIA	18.9	278	eP	07 16 35.2		−1.3		
BJI	19.7	290	eP	07 16 43.0		−1.5		
			eS	07 20 18.0		−0.9		
QZH	21.7	246	eP	07 17 06.0		0.3		
WHN	22.5	264	eP	07 17 14.5		1.2		
TIY	22.6	283	eP	07 17 14.0		−0.3		
			S	07 21 18.0		4.5		
			LN		$M_S = 4.2$		15.0	0.46
HHC	23.2	291	P	07 17 20.6		−0.3		
BTO	24.4	291	eP	07 17 30.8		−1.4		
XAN	25.9	276	−P	07 17 45.3		−1.2		
LZH	29.6	282	eP	07 18 20.0		0.0		
			PMZ		$m_b = 5.0$		1.5	0.040
CD2	31.0	272	P	07 18 30.6		−1.5		
GTA	32.3	289	P	07 18 43.8		0.2		
			PMZ		$m_b = 4.6$		0.7	0.0070
KMI	34.1	263	eP	07 18 58.5		−0.7		
WMQ	40.8	298	P	07 19 57.0		1.4		
			PMZ		$m_b = 4.9$		1.0	0.020
			sP	07 20 13.5		3.0		
			S	07 26 04.0		1.5		
LSA	41.6	276	P	07 20 04.6		1.8		

MAR 11d 18h 46m 46.6 ± 0.06s, SD0.72 / 64
6.72 S ± 0.65km, 129.72 E ± 0.99km, h148 ± 0.21km
Banda Sea (280)
m_b5.0 / 3,

QZH	33.3	341	eP	18 53 11.5		−0.9		
SSE	38.5	348	eP	18 53 57.0		0.8		
			pP	18 54 28.5		0.2		
GYA	39.8	327	P	18 54 07.8		0.2		
			PcP	18 56 17.0		6.5		
WHN	39.9	339	+P	18 54 09.0		1.3		
NJ2	39.9	346	+P	18 54 09.0		0.9		
KMI	41.1	321	eP	18 54 20.0		1.8		
CD2	44.9	328	P	18 54 48.1		−0.6		
XAN	45.1	335	+iP	18 54 49.4		−0.5		
TIY	47.0	341	−P	18 55 05.8		0.2		
BJI	48.2	346	eP	18 55 14.0		−0.2		
LZH	49.0	332	eP	18 55 21.0		0.0		
			PMZ		$m_b = 5.2$		2.0	0.082
HHC	50.2	342	P	18 55 30.2		0.4		

CN2	50.4	356	eP	18 55 31.0	−0.5		
BTO	50.5	341	eP	18 55 32.2	0.4		
MDJ	51.1	360	eP	18 55 36.0	−0.5		
GTA	53.6	331	+iP	18 55 55.2	0.0		
			PMZ	m_b = 5.0		0.8	0.022
WMQ	63.0	327	P	18 57 00.0	−0.6		

MAR 12d 02h 22m 13.8 ± 0.06s, SD1.29 / 37
38.14 N ± 1.68km, 141.96 E ± 1.16km, h75 ± 1.34km
Near east coast of Houshu (228)
m_b4.5 / 1,

CN2	13.7	300	eP	02 25 27.5	1.4		
DL2	15.9	279	eP	02 25 57.0	2.1		
SSE	18.5	254	P	02 26 26.0	−0.1		
			PMZ	m_b = 4.5		0.6	0.016
NJ2	19.8	259	+P	02 26 40.0	−1.3		
TIA	19.9	272	eP	02 26 39.8	−1.9		
BJI	20.1	283	eP	02 26 43.0	−0.9		
WHN	24.0	260	eP	02 27 20.7	−1.6		
XAN	26.9	271	P	02 27 50.2	−0.1		
GYA	31.8	259	P	02 28 34.0	−0.2		
GTA	32.7	286	eP	02 28 41.0	−0.4		
WMQ	40.7	296	P	02 29 50.3	1.0		

MAR 12d 06h 58m 05.6 ± 0.06s, SD0.96 / 93
2.41 N ± 1.00km, 126.67 E ± 1.52km, h54 ± 0.08km
Molucca Passage (266)
M_S4.4 / 2, m_b5.1 / 10,

QZN	23.3	316	eP	07 03 10.6	0.6		
			eS	07 07 13.0	−1.8		
QZH	23.7	342	eP	07 03 14.0	0.2		
			LZ	M_S = 4.5		28.0	2.08
GZH	24.3	329	P	07 03 19.4	0.2		
SSE	29.0	350	+P	07 04 03.5	0.7		
			PMZ	m_b = 4.9		1.0	0.024
			eS	07 08 54.0	5.6		
			sS	07 09 10.0	−0.7		
WHN	30.3	339	eP	07 04 14.5	−0.1		
			PMZ	m_b = 4.9		1.0	0.024
			sP	07 04 36.0	2.7		
			eS	07 09 10.0	0.7		
			LZ	M_S = 4.6		28.0	1.95
NJ2	30.4	347	−P	07 04 15.6	0.4		
			eS	07 09 06.0	−4.4		
			LZ	M_S = 4.2		26.0	0.68
GYA	30.7	323	P	07 04 18.6	0.8		
			PcP	07 07 16.4	2.5		
KMI	32.3	316	+P	07 04 32.5	0.4		
			eS	07 09 42.0	1.5		
			LZ	M_S = 4.5		28.0	1.30
TIA	34.8	346	eP	07 04 53.1	−0.3		
XAN	35.6	334	−iP	07 04 59.3	−0.9		
CD2	35.7	325	eP	07 04 59.4	−1.7		
DL2	36.6	353	eP	07 05 11.0	2.0		
TIY	37.5	341	eP	07 05 16.2	−0.2		
			S	07 10 58.0	−1.6		
			LZ	M_S = 4.7		34.0	1.91
BJI	38.7	347	eP	07 05 26.0	0.0		
			LZ	M_S = 4.2		28.0	0.49
SNY	39.3	356	+P	07 05 32.4	0.7		
LZH	39.6	330	eP	07 05 34.0	−0.2		
			PMZ	m_b = 5.4		1.5	0.088
			LZ	M_S = 4.4		30.0	0.80
HHC	40.6	342	P	07 05 41.8	−0.7		
BTO	40.9	341	eP	07 05 45.6	0.9		
CN2	41.2	359	+P	07 05 47.0	−0.4		
MDJ	42.1	3	+iP	07 05 55.5	0.9		
LSA	43.3	312	P	07 06 05.5	0.9		
GTA	44.2	330	+iP	07 06 11.4	−0.3		
			PMZ	m_b = 5.1		0.6	0.016
			PcP	07 07 57.0	1.9		
WMQ	53.8	326	P	07 07 25.4	0.0		
			eS	07 14 52.4	−1.7		
			sS	07 15 20.0	2.8		
			LZ	M_S = 4.3		32.0	0.45
KSH	59.0	316	eP	07 08 01.5	−1.2		
			eS	07 16 03.0	−0.3		

MAR 12d 07h 28m 24.0 ± 0.20s, SD1.09 / 34
29.43 S ± 1.51km, 177.86 W ± 2.48km, h53 ± 0.90km
Kermadec Islands (178)

SSE	83.6	311	eP	07 40 46.5	−2.1		
			pP	07 41 03.5	1.1		
NJ2	85.7	310	eP	07 41 00.0	0.7		
			pP	07 41 15.0	1.9		
WHN	87.9	307	P	07 41 11.2	1.5		
			pP	07 41 25.0	1.3		
MDJ	87.9	325	eP	07 41 12.0	2.1		
SNY	89.1	320	eP	07 41 16.1	0.4		
TIA	89.4	313	eP	07 41 16.8	−0.3		
CN2	89.4	323	−P	07 41 17.0	−0.3		
			pP	07 41 32.0	0.8		
BJI	92.3	315	eP	07 41 33.0	2.4		

MAR 12d 12h 45m 32.5 ± 0.06s, SD1.26 / 46
41.52 N ± 1.23km, 138.73 E ± 0.89km, h244 ± 0.90km
Eastern Sea of Japan (223)
m_b4.6 / 3,

MDJ	7.4	298	eP	12 47 19.2	0.5		
CN2	10.0	288	eP	12 47 53.5	0.7		
DL2	13.3	264	eP	12 48 30.6	−3.4		
BJI	17.1	273	eP	12 49 17.5	−1.5		
TIA	17.6	260	eP	12 49 23.3	−0.8		
NJ2	18.5	246	−P	12 49 33.5	0.7		
TIY	20.6	268	eP	12 49 55.6	1.5		
WHN	22.5	249	P	12 50 12.5	0.0		
XAN	24.6	262	P	12 50 32.1	−0.7		
GTA	29.5	279	eP	12 51 16.0	−1.0		
			PMZ	m_b = 4.6		0.6	0.0090

MAR 12d 14h 32m 19.5 ± 0.04s, SD0.65 / 22
14.31 S ± 0.97km, 167.30 E ± 0.59km, h172 ± 0.54km
Vanuatu (New Hebrides) (186)
m_b4.4 / 1,

WHN	67.7	312	eP	14 43 00.0	−0.9		
MDJ	67.9	332	eP	14 43 03.0	0.6		
CN2	69.3	329	+P	14 43 10.4	−0.4		
BJI	72.0	321	eP	14 43 26.5	−0.3		
GTA	82.4	314	eP	14 44 25.0	0.3		
			PMZ	m_b = 4.4		1.0	0.0070

MAR 12d 17h 10m 45.9 ± 0.09s, SD0.79 / 33
18.41 S ± 1.31km, 179.41 W ± 0.69km, h636 ± 1.16km
Fiji region (181)

QZH	74.2	304	eP	17 21 22.4	0.9		
NJ2	77.5	310	+P	17 21 40.4	0.5		
MDJ	78.0	325	eP	17 21 42.6	−0.2		
CN2	79.8	323	−P	17 21 51.4	−0.7		
WHN	80.1	307	eP	17 21 54.0	0.4		
BJI	83.5	316	eP	17 22 10.0	−0.5		
GYA	84.5	300	P	17 22 15.6	0.1		
TIY	84.9	312	+P	17 22 17.9	0.4		
XAN	85.8	308	P	17 22 22.0	0.1		

MAR 13d 01h 37m 35.9 ± 0.11s, SD1.83 / 22
26.03 N ± 1.54km, 125.23 E ± 0.81km, h179 ± 0.97km

North-east of Taiwan (245)

QZH	6.1	261	+iP	01 39 04.5	−0.6		
SSE	6.2	326	eP	01 39 04.0	−2.1		
CN2	17.7	1	eP	01 41 32.5	−0.4		
GTA	25.1	308	eP	01 42 46.0	−0.1		

MAR 13d 03h 36m 36.3 ± 0.22s, SD2.88 / 26
22.99 N ± 1.86km, 120.53 E ± 2.00km, h11 ± 0.27km
Taiwan (244)
M_S3.9 / 4, M_L3.8 / 14,

QZH	2.6	318	Pn	03 37 18.6	−0.5		
			Sn	03 37 57.7	4.9		
			SMN	M_L = 3.7		1.2	0.37
			SME			1.2	0.46
NJ2	9.1	351	eP	03 38 46.6	−4.8		
			LN	M_S = 3.9		10.0	0.43
			LE			10.0	0.41
			LZ	M_S = 3.7		12.0	0.49
WHN	9.3	325	P	03 38 51.0	−2.9		
			eS	03 40 46.0	6.2		
			LN	M_S = 4.2		8.0	0.59
			LE			10.0	0.82
			LZ	M_S = 4.2		10.0	1.27
QZN	10.7	250	eP	03 39 09.0	−4.3		
			eS	03 41 16.0	1.5		
			LE	M_S = 3.9		13.0	0.60
GYA	13.1	288	P	03 39 45.0	0.0		
BJI	17.4	349	eP	03 40 44.5	3.7		
LZH	19.5	316	eP	03 41 11.5	5.1		
			LZ	M_S = 4.1		12.0	0.50

MAR 13d 03h 37m 46.1 ± 0.05s, SD1.27 / 22
25.82 S ± 1.44km, 176.82 W ± 1.53km, h73 ± 0.47km
South of Fiji (171)

CN2	87.1	322	P	03 50 25.0	−1.2		
			pP	03 50 45.5	0.1		
TIA	87.6	312	eP	03 50 28.3	−0.3		
BJI	90.4	315	eP	03 50 40.5	−1.1		
XAN	92.2	307	P	03 50 50.5	0.5		

MAR 13d 04h 23m 56.4 ± 0.05s, SD1.01 / 82
33.98 N ± 0.89km, 137.07 E ± 0.94km, h348 ± 0.87km
Near south coast of Southern Honshu (233)
m_b4.9 / 8,

MDJ	12.1	334	+P	04 26 40.8	0.3		
			S	04 28 54.0	3.8		
SNY	13.2	310	−P	04 26 54.1	0.2		
CN2	13.3	321	−P	04 26 54.8	−0.5		
DL2	13.4	296	eP	04 26 56.0	0.4		
SSE	13.7	262	P	04 26 58.8	−0.8		
			PMZ	m_b = 4.5		1.0	0.022
NJ2	15.4	268	+P	04 27 18.4	0.3		
TIA	16.5	283	P	04 27 29.6	0.2		
BJI	17.7	296	eP	04 27 42.0	−0.3		
QZH	18.4	246	+iP	04 27 48.5	−0.6		
WHN	19.5	266	−iP	04 28 01.4	1.4		
TIY	20.3	288	eP	04 28 08.6	0.8		
HHC	21.3	296	eP	04 28 18.5	0.5		
BTO	22.5	295	eP	04 28 30.0	1.4		
XAN	23.3	278	−iP	04 28 37.1	0.7		
LZH	27.2	284	eP	04 29 11.5	−0.4		
			PMZ	m_b = 4.9		1.5	0.066
GYA	27.3	262	−P	04 29 11.6	−0.6		
			pP	04 30 13.6	−1.5		
			S	04 33 26.4	1.9		
			ScP	04 35 29.6	2.2		
CD2	28.2	273	−iP	04 29 19.8	−0.8		
GTA	30.2	291	eP	04 29 38.0	−0.2		
			PMZ	m_b = 4.9		0.8	0.037
WMQ	39.1	300	P	04 30 54.0	0.6		
			PMZ	m_b = 4.7		1.0	0.040
			pP	04 32 05.0	3.7		
			S	04 36 30.0	3.0		

MAR 13d 07h 03m 38.7 ± 0.10s, SD2.42 / 21
38.41 N ± 1.01km, 125.97 E ± 1.31km, h21 ± 0.40km
South Korea (231)
M_S3.7 / 1, M_L4.1 / 15,

DL2	3.4	280	Pg	07 04 39.5	0.1		
			Sn	07 05 19.0	5.6		
			SMN	M_L = 4.3		1.0	1.50
			SME			1.0	0.50
SNY	3.9	333	ePn	07 04 38.2	0.6		
			−iPg	07 04 48.8	1.6		
			Sg	07 05 36.6	−3.6		
			SMN	M_L = 4.2		0.6	0.44
			SME			0.6	0.68
CN2	5.4	356	ePn	07 05 00.0	1.4		
			+Pg	07 05 19.0	4.9		
			Sn	07 05 59.0	−3.1		
			Sg	07 06 26.0	−2.0		
TIA	7.4	255	ePg	07 05 54.0	4.9		
			Sg	07 07 26.0	−3.9		
			SMN	M_L = 3.9		1.3	0.057
			SME			1.3	0.041
			SMZ	M_L = 4.2		1.1	0.056

MAR 13d 07h 37m 23.5 ± 0.04s, SD0.47 / 23
28.15 N ± 0.73km, 55.28 E ± 0.46km, h69 ± 0.05km
Southern Iran (353)
m_b4.8 / 2,

WMQ	30.3	50	eP	07 43 31.0	0.0		
GTA	38.3	61	P	07 44 40.0	0.1		
			PMZ	m_b = 4.7		1.0	0.013
LZH	41.5	66	eP	07 45 06.0	−0.4		
			PMZ	m_b = 4.9		1.0	0.019
CN2	57.3	54	eP	07 47 06.5	−0.4		

MAR 13d 09h 01m 52.6 ± 0.50s, SD2.27 / 11
37.18 N ± 4.02km, 78.46 E ± 2.30km, h8 ± 0.08km
Kashmir-Xinjiang border region (324)
M_L3.9 / 7,

KSH	3.1	320	ePn	09 02 40.3	−1.6		
			Sg	09 03 27.2	−1.6		
			SMN	M_L = 4.1		0.8	0.70
			SME			0.8	0.80
WMQ	9.7	44	P	09 04 14.5	−0.8		

MAR 13d 09h 26m 36.9 ± 0.07s, SD1.11 / 25
17.40 S ± 1.37km, 174.65 W ± 1.77km, h208 ± 0.21km
Tonga (173)

CN2	81.8	321	P	09 38 34.8	−0.2		
BJI	86.0	314	eP	09 38 56.5	0.8		
GYA	87.9	298	P	09 39 06.6	1.4		

MAR 13d 13h 02m 14.7 ± 0.10s, SD1.30 / 60
50.83 N ± 1.23km, 10.00 E ± 1.24km, h5 ± 0.49km
Germany (543)
M_S5.7 / 18, m_b5.5 / 3,

KSH	46.4	77	eP	13 10 46.0	1.8		
			eS	13 17 36.0	4.2		
			LE	M_S = 5.7		9.0	2.40
			LZ	M_S = 5.2		14.0	1.80
WMQ	50.9	66	P	13 11 19.2	0.1		
			PP	13 13 14.8	−0.7		
			LN	M_S = 5.9		8.0	2.43

			LE			6.0	1.36
			LZ	$M_S=5.3$		14.0	2.33
GTA	60.6	63	eP	13 12 29.8	0.2		
			PMZ	$m_b=5.1$		1.2	0.034
			LN	$M_S=5.4$		8.0	0.70
			LZ	$M_S=5.1$		10.0	0.77
LZH	65.2	63	eP	13 13 00.0	−0.2		
			PMZ	$m_b=5.5$		2.0	0.11
			LN	$M_S=5.1$		13.0	0.50
BTO	65.3	56	eP	13 13 01.0	0.1		
			LN	$M_S=5.8$		16.0	1.80
			LE			16.0	2.20
			LZ	$M_S=5.5$		16.0	2.40
HHC	66.0	54	eP	13 13 05.0	0.2		
			LN	$M_S=5.8$		12.5	2.03
			LE			12.0	1.06
			LZ	$M_S=5.7$		14.0	3.55
TIY	68.7	56	eP	13 13 23.5	1.2		
			S	13 22 30.0	6.3		
			LN	$M_S=5.7$		14.0	1.36
			LE			14.5	1.37
			LZ	$M_S=5.6$		16.0	2.86
BJI	68.9	52	eP	13 13 23.5	0.2		
			LN	$M_S=5.7$		13.0	1.60
			LE			13.0	1.00
			LZ	$M_S=5.7$		14.0	3.20
CD2	68.9	67	eP	13 13 22.5	−1.0		
XAN	69.6	61	P	13 13 26.8	−0.6		
			LN	$M_S=5.1$		13.0	0.42
CN2	70.4	44	eP	13 13 32.0	−0.2		
SNY	71.1	46	eP	13 13 35.2	−1.4		
			LN	$M_S=5.7$		13.0	1.26
			LE			13.0	1.12
			LZ	$M_S=5.7$		13.0	2.85
MDJ	71.5	41	eP	13 13 38.0	−1.0		
TIA	72.3	54	P	13 13 45.1	1.1		
DL2	72.5	50	P	13 13 45.0	0.1		
GYA	73.9	68	P	13 13 55.0	1.4		
WHN	75.2	60	eP	13 14 00.5	−0.3		
			pP	13 14 02.0	−3.5		
			S	13 23 37.0	−0.9		
			LN	$M_S=5.7$		15.0	0.77
			LE			16.0	1.82
NJ2	76.5	56	+P	13 14 09.6	1.7		
			PMZ	$m_b=6.0$		2.0	0.37
			LN	$M_S=5.5$		13.0	0.58
			LE			12.0	0.61
SSE	78.4	55	eP	13 14 18.5	−0.3		

MAR 13d 14h 42m 33.3 ± 0.09s, SD0.81 / 29
20.71 S ± 1.42km, 177.21 W ± 0.73km, h499 ± 1.14km
Fiji region (181)

QZH	77.1	303	+P	14 53 36.5	−0.3	
NJ2	80.6	309	+P	14 53 55.0	0.0	
MDJ	81.1	325	eP	14 53 57.7	−0.1	
CN2	82.9	322	eP	14 54 06.6	−0.3	
BJI	86.6	315	eP	14 54 24.0	−0.6	
GYA	87.4	299	P	14 54 29.2	0.4	
TIY	88.0	312	eP	14 54 32.0	0.6	
XAN	88.8	307	P	14 54 36.3	0.8	

MAR 13d 21h 39m 50.5 ± 0.17s, SD0.97 / 34
16.19 S ± 3.76km, 179.07 W ± 1.39km, h320 ± 0.43km
Fiji region (181)
m_b4.4 / 1,

SSE	74.2	310	eP	21 50 55.0	0.3	
MDJ	76.4	325	eP	21 51 08.0	0.5	
CN2	78.3	322	−P	21 51 18.0	0.4	

			esP	21 53 05.0		1.2	
WHN	79.1	306	eP	21 51 22.0		0.2	
BJI	82.1	315	eP	21 51 37.5		−0.3	
GYA	83.6	300	P	21 51 44.6		−1.0	
TIY	83.7	312	+P	21 51 45.8		0.2	
XAN	84.7	308	P	21 51 50.8		−0.1	
LZH	89.3	308	eP	21 52 12.5		−0.6	
			PMZ	$m_b=4.4$		1.5	0.022

MAR 13d 22h 05m 17.2 ± 0.12s, SD1.32 / 54
0.61 N ± 1.45km, 127.43 E ± 1.51km, h140 ± 1.32km
Molucca Passage (266)
m_b4.8 / 2,

QZN	25.2	318	eP	22 10 31.6		0.4	
			eS	22 14 40.0		−3.7	
QZH	25.7	341	eP	22 10 31.0		−4.9	
WHN	32.3	339	eP	22 11 35.5		0.6	
NJ2	32.3	346	eP	22 11 34.5		−0.8	
GYA	32.6	324	P	22 11 38.2		0.5	
			PcP	22 14 20.4		0.1	
TIA	36.7	346	eP	22 12 12.7		0.0	
XAN	37.5	334	P	22 12 19.5		0.0	
CD2	37.6	326	P	22 12 20.4		0.3	
TIY	39.4	341	eP	22 12 36.0		0.5	
BJI	40.6	347	eP	22 12 44.0		−0.8	
HHC	42.6	342	eP	22 13 02.0		0.7	
BTO	42.8	340	eP	22 13 04.0		0.5	
CN2	43.0	358	eP	22 13 05.0		0.0	
MDJ	43.9	2	eP	22 13 11.0		−0.6	
GTA	46.1	330	P	22 13 29.5		−0.3	
			PMZ	$m_b=4.6$		1.0	0.010
WMQ	55.7	326	eP	22 14 40.0		−1.7	
			PMZ	$m_b=5.1$		0.7	0.020
			pP	22 15 12.2		−1.7	
			sP	22 15 31.0		1.4	
			eS	22 22 13.0		−2.6	

MAR 13d 23h 31m 05.1 ± 0.09s, SD1.29 / 27
2.92 N ± 0.85km, 126.49 E ± 1.59km, h78 ± 0.77km
Talaud Islands (263)
m_b4.6 / 2,

XAN	35.0	334	P	23 37 51.8		−0.9	
SNY	38.8	357	eP	23 38 24.0		−0.4	
LZH	39.1	330	eP	23 38 26.5		−0.3	
			PMZ	$m_b=4.8$		1.5	0.022
CN2	40.7	359	eP	23 38 43.0		2.9	
MDJ	41.6	3	eP	23 38 48.5		1.0	
GTA	43.7	330	P	23 39 01.0		−3.4	
			PMZ	$m_b=4.5$		0.6	0.0040
WMQ	53.2	326	P	23 40 17.8		−0.7	

MAR 14d 02h 35m 01.3 ± 0.08s, SD3.10 / 7
43.20 N ± 0.99km, 84.06 E ± 0.71km, h7 ± 0.23km
Northern Xinjiang Province (332)
M_L3.1 / 7,

WMQ	2.7	76	−iPn	02 35 49.2		3.4	
			Sg	02 36 27.6		1.0	
			SMN	$M_L=2.9$		0.5	0.060
			SME			0.5	0.060

MAR 14d 03h 27m 18.6 ± 0.11s, SD2.31 / 14
29.60 N ± 1.81km, 67.13 E ± 2.09km, h46 ± 0.58km
Pakistan (710)
M_S4.5 / 2,

KSH	12.3	34	eP	03 30 14.0		0.6	
			sP	03 30 30.0		2.2	
			S	03 32 33.0		4.7	
			LN	$M_S=4.3$		8.0	0.80

WMQ	21.7	44	P	03 32 07.0	−0.5		
			pP	03 32 18.5	0.1		
			eS	03 36 03.8	4.3		
			LZ	M_S=3.9		16.0	0.33
GTA	28.5	61	eP	03 33 12.8	0.3		
GYA	34.9	85	P	03 34 07.8	−0.7		

MAR 14d 08h 42m 02.2±0.15s, SD2.38/16
40.02 N±1.09km, 77.61 E±0.85km, h14±0.74km
Southern Xinjiang Province (321)
M_S4.1/1, M_L4.4/7,

KSH	1.4	250	+iPg	08 42 26.0	−1.1		
			Sg	08 42 46.5	0.5		
			SMN	M_L=4.5		0.8	5.50
			SME			1.0	7.00
WMQ	8.4	60	P	08 44 06.2	−1.0		
			S	08 45 44.0	1.3		
			LN	M_S=4.1		6.0	0.49
			LE			6.0	0.45
GTA	17.1	85	eP	08 46 01.8	−1.0		

MAR 14d 11h 08m 01.1±0.04s, SD0.77/44
35.45 N±1.01km, 23.31 E±1.11km, h56±0.48km
Mediterranean Sea (400)
m_b4.8/1,

WMQ	49.2	60	P	11 16 45.0	−1.0		
GTA	59.2	61	+iP	11 17 58.6	−0.6		
			PMZ	m_b=4.8		0.8	0.0090
CD2	65.7	68	eP	11 18 42.3	−0.3		
BTO	65.8	56	eP	11 18 43.2	−0.1		
HHC	66.7	56	eP	11 18 49.6	0.4		
XAN	68.1	63	P	11 18 57.4	−0.1		
TIY	68.8	58	eP	11 19 02.0	−0.2		
GYA	70.1	71	P	11 19 10.0	−0.1		
BJI	70.2	55	eP	11 19 10.0	−0.6		
CN2	74.1	47	+P	11 19 33.4	−0.4		
NJ2	76.2	60	eP	11 19 46.0	0.0		
QZN	76.5	76	eP	11 19 48.3	0.9		

MAR 14d 14h 39m 32.8±0.12s, SD3.45/8
29.17 N±1.01km, 104.67 E±1.13km, h10±0.05km
Sichuan Province (307)
M_L3.3/4,

CD2	1.9	336	ePg	14 40 07.6	1.0		
			Sg	14 40 33.3	0.7		
			SMN	M_L=3.3		0.6	0.13
			SME			0.7	0.40

MAR 14d 15h 46m 42.8±0.08s, SD0.87/52
55.48 N±1.69km, 166.26 E±0.83km, h34±0.19km
Komandorsky Islands region (4)
M_S4.9/11, m_b4.8/1,

MDJ	25.6	260	eP	15 52 10.7	−0.6		
			LZ	M_S=4.4		15.0	0.87
CN2	28.5	263	+P	15 52 37.0	−0.3		
			pP	15 52 47.0	0.6		
			eS	15 57 19.0	−2.3		
			LN	M_S=4.5		14.0	0.50
			LZ	M_S=4.3		17.0	0.60
BJI	36.2	266	eP	15 53 44.0	−0.4		
			eS	15 59 24.0	2.3		
			LN	M_S=4.8		16.0	0.75
			LZ	M_S=4.5		17.0	0.71
BTO	39.3	272	P	15 54 11.5	0.7		
			pP	15 54 19.0	−1.1		
			LN	M_S=5.2		17.0	1.50
			LE			17.0	1.30
SSE	39.9	251	eP	15 54 18.7	3.3		
			S	16 00 23.0	5.9		
TIY	39.9	267	eP	15 54 16.2	0.6		
			eS	16 00 17.5	−0.9		
			LN	M_S=4.9		14.0	0.78
			LZ	M_S=4.7		18.0	0.97
NJ2	40.4	255	eP	15 54 20.0	0.1		
WHN	44.1	258	eP	15 54 49.0	−0.6		
			LE	M_S=5.0		13.0	0.69
XAN	44.5	266	P	15 54 53.1	−0.3		
			LE	M_S=4.7		13.0	0.42
GTA	45.9	278	−P	15 55 04.0	−0.5		
			PMZ	m_b=4.8		1.0	0.014
			LN	M_S=4.9		13.0	0.59
			LZ	M_S=4.8		12.0	0.61
WMQ	49.5	291	P	15 55 32.4	−0.5		
			pP	15 55 42.0	−0.3		
			eS	16 02 36.0	−1.7		
			LZ	M_S=4.4		20.0	0.42
CD2	49.7	267	eP	15 55 34.1	−0.4		
GYA	51.5	261	P	15 55 48.0	0.2		
KMI	54.7	264	+P	15 56 12.0	−0.1		

MAR 14d 18h 00m 38.0±0.07s, SD1.29/63
43.52 N±1.84km, 146.90 E±1.23km, h62±0.68km
Kurile Islands (221)
m_b4.6/2,

MDJ	12.5	281	eP	18 03 35.0	−0.3		
CN2	15.5	278	P	18 04 13.3	−1.5		
SNY	17.2	272	−iP	18 04 38.2	2.1		
BJI	23.1	272	eP	18 05 39.5	−0.1		
SSE	23.8	247	eP	18 05 48.0	1.6		
TIA	23.9	262	−P	18 05 47.7	0.4		
NJ2	24.8	252	−P	18 05 59.0	2.8		
HHC	26.2	276	eP	18 06 09.6	0.4		
TIY	26.7	269	eP	18 06 15.7	2.2		
BTO	27.4	277	P	18 06 20.8	0.6		
XAN	30.9	265	P	18 06 50.0	−1.0		
GTA	35.2	280	+P	18 07 28.4	0.0		
			PMZ	m_b=4.6		0.6	0.0070
CD2	36.2	264	P	18 07 36.5	−0.6		
GYA	36.7	256	P	18 07 40.4	−0.9		
WMQ	42.0	292	eP	18 08 26.0	0.6		

MAR 14d 18h 27m 40.6±0.07s, SD1.49/41
32.91 N±1.13km, 132.21 E±1.08km, h61±0.88km
Kyushu (235)
M_S3.8/2, m_b5.1/2,

SSE	9.5	262	P	18 29 57.7	−0.1		
			PMZ	m_b=5.2		1.0	0.049
			sP	18 30 12.5	−3.0		
			S	18 31 44.0	0.9		
NJ2	11.3	269	+P	18 30 23.8	1.8		
MDJ	11.9	351	eP	18 30 28.0	−1.5		
CN2	12.1	336	eP	18 30 33.0	0.5		
TIA	12.9	289	eP	18 30 43.0	0.2		
BJI	14.7	303	eP	18 31 07.0	0.0		
TIY	16.8	292	eP	18 31 33.4	−0.6		
			LE	M_S=4.1		12.0	0.43
			LZ	M_S=4.0		14.0	0.60
HHC	18.3	302	eP	18 31 56.8	4.8		
BTO	19.3	300	P	18 32 05.0	1.0		
XAN	19.5	280	P	18 32 02.5	−2.8		
CD2	24.2	273	eP	18 32 51.6	−1.4		
GTA	26.9	293	eP	18 33 16.0	−2.0		

MAR 14d 19h 12m 13.9±0.12s, SD1.36/38
42.02 N±0.79km, 142.68 E±0.99km, h36±1.30km
Hokkaido region (224)

CN2	12.8	284	eP	19 15 14.5	−1.3		
BJI	20.1	273	eP	19 16 46.0	−1.2		
			LZ	M_S=3.9		12.0	0.30
SSE	20.4	245	eP	19 16 49.8	−0.4		
			LZ	M_S=4.0		16.0	0.53
NJ2	21.4	250	eP	19 17 00.0	−0.9		
WHN	25.4	252	eP	19 17 39.0	−1.2		
XAN	27.6	264	P	19 18 01.0	0.5		
GTA	32.4	280	eP	19 18 43.0	0.4		
GYA	33.3	254	P	19 18 49.0	−1.8		
WMQ	39.7	292	eP	19 19 46.0	1.4		

MAR 14d 19h 42m 05.5±0.08s, SD0.84/44
61.21 N±1.83km, 59.23 W±1.03km, h10±0.05km
Davis Strait (444)

WMQ	71.9	25	P	19 53 32.2	0.2		
KSH	73.2	35	eP	19 53 40.0	0.5		
CN2	75.3	356	eP	19 53 50.0	−1.4		
BTO	78.2	8	eP	19 54 08.4	0.7		
GTA	78.3	16	eP	19 54 08.0	−0.4		
BJI	79.0	4	eP	19 54 12.0	−0.4		
TIY	81.2	7	eP	19 54 24.5	0.5		
NJ2	87.1	2	eP	19 54 53.5	−0.1		
CD2	87.2	15	eP	19 54 54.5	0.3		
WHN	88.4	6	eP	19 54 59.5	−0.6		

MAR 14d 20h 31m 05.9±0.07s, SD2.54/11
42.11 N±0.75km, 83.79 E±0.64km, h18±0.16km
Southern Xinjiang Province (321)
M_L3.8/9,

WMQ	3.3	58	+iPn	20 32 01.0	3.2		
			Pg	20 32 07.6	2.7		
			Sg	20 32 49.5	−1.1		
			SMN	M_L=3.7		0.5	0.21
			SME			0.6	0.22
GTA	12.4	97	eP	20 34 03.0	−2.6		

MAR 14d 23h 54m 22.1±0.09s, SD1.62/49
26.04 N±1.77km, 128.63 E±1.94km, h37±0.76km
Ryukyu Islands (238)
M_S4.4/9, m_b5.2/1,

NJ2	10.4	307	+P	23 56 52.4	−0.2		
			LZ	M_S=4.4		14.0	2.37
BJI	17.4	326	eP	23 58 25.0	1.0		
			LN	M_S=4.6		13.0	1.50
			LZ	M_S=4.3		13.0	0.89
CN2	17.9	352	eP	23 58 30.0	−0.3		
			epP	23 58 36.0	−2.4		
			eS	24 01 48.0	1.9		
			LN	M_S=4.4		11.0	0.70
			LZ	M_S=4.5		12.0	1.30
TIY	18.0	314	eP	23 58 32.0	0.6		
			sS	24 02 03.0	2.2		
			LN	M_S=4.5		12.0	1.02
			LZ	M_S=4.5		14.0	1.55
QZN	18.7	252	eP	23 58 41.8	1.9		
			eS	24 02 05.0	1.3		
			LN	M_S=4.4		19.0	1.05
XAN	18.8	300	P	23 58 41.0	−0.5		
BTO	21.2	318	eP	23 59 06.0	−1.4		
CD2	22.4	288	eP	23 59 16.6	−2.3		
KMI	23.4	273	eP	23 59 29.5	0.8		
			LZ	M_S=4.3		20.0	1.00
GTA	27.5	306	+iP	24 00 06.1	−1.9		
			PMZ	m_b=5.2		0.7	0.041
			pP	24 00 14.0	−3.5		
			LN	M_S=4.6		11.0	0.56
			LZ	M_S=4.5		12.0	0.73
WMQ	37.5	309	P	24 01 33.5	−1.3		

MAR 15d 01h 28m 42.2±0.09s, SD1.74/82
26.01 N±1.85km, 128.52 E±1.84km, h39±0.88km
Ryukyu Islands (238)
M_S5.0/36, m_B4.9/2, m_b4.9/4,

SSE	8.2	310	+P	01 30 40.0	−1.7		
			PMZ	m_b=4.4		1.2	0.017
			pP	01 30 48.0	−0.6		
			sP	01 30 52.5	−2.2		
			LN	M_S=5.0		10.0	6.23
			LE			11.0	8.57
			LZ	M_S=4.9		12.0	9.98
QZH	9.0	265	eP	01 30 50.0	−3.2		
			eS	01 32 28.5	−5.8		
			LE	M_S=4.4		11.0	2.15
			LZ	M_S=4.4		14.0	2.65
NJ2	10.4	308	eP	01 31 15.4	3.6		
			S	01 33 09.0	1.7		
			LN	M_S=5.1		12.0	5.39
			LE			12.0	8.70
WHN	13.3	293	eP	01 31 49.5	−1.3		
			pP	01 31 59.0	0.5		
			eS	01 34 18.0	0.2		
			LN	M_S=5.1		11.0	2.64
			LE			12.0	5.24
			LZ	M_S=5.0		14.0	8.33
TIA	14.1	319	−P	01 32 01.1	−0.3		
			eS	01 34 41.0	3.8		
			LN	M_S=5.0		12.0	3.48
			LE			12.0	2.90
			LZ	M_S=4.8		15.0	5.26
DL2	14.1	337	eP	01 32 06.4	4.7		
			S	01 34 35.0	−2.2		
			LN	M_S=4.8		12.0	2.70
			LE			11.0	1.30
			LZ	M_S=4.5		14.0	2.30
SNY	16.3	347	+P	01 32 30.0	0.0		
			pP	01 32 38.2	0.1		
			eS	01 35 30.0	1.0		
			LN	M_S=4.9		13.0	2.41
			LE			11.0	1.73
			LZ	M_S=5.0		14.0	5.17
BJI	17.4	327	+P	01 32 44.5	0.9		
			PMZ	m_B=5.0		12.0	0.90
			esP	01 33 00.0	3.0		
			eS	01 35 56.0	2.2		
			eSS	01 36 16.0	0.9		
			LN	M_S=5.3		14.0	7.60
			LZ	M_S=5.0		13.0	4.70
CN2	17.9	353	eP	01 32 50.4	−0.1		
			epP	01 32 59.0	0.2		
			eS	01 36 08.0	1.8		
			LE	M_S=5.0		11.0	3.10
			LZ	M_S=5.1		12.0	5.70
TIY	17.9	314	−P	01 32 51.4	0.7		
			sS	01 36 21.5	1.6		
			LN	M_S=5.2		11.0	4.24
			LE			11.0	2.03
			LZ	M_S=5.1		14.0	6.67
QZN	18.6	252	P	01 33 00.0	1.5		
			eS	01 36 22.0	0.9		
			sS	01 36 33.0	−1.5		
			LN	M_S=4.8		19.0	3.10
MDJ	18.6	2	eP	01 32 57.5	−1.1		
GYA	19.6	276	P	01 33 11.0	0.6		
			LN	M_S=5.1		12.0	1.54
			LE			12.0	2.64

HHC	20.4	321	+P	01 33 17.5	−1.6			
			eS	01 36 58.0	−3.1			
			LN	M_S=5.4		11.5	4.60	
			LE			12.0	5.09	
			LZ	M_S=5.2		12.0	6.20	
CD2	22.3	288	eP	01 33 36.4	−1.5			
			eS	01 37 42.0	6.2			
			LE	M_S=5.4		13.0	5.82	
			LZ	M_S=5.1		13.0	4.19	
KMI	23.3	273	+P	01 33 46.0	−1.7			
			pP	01 33 58.0	0.8			
			S	01 37 56.0	3.6			
			LN	M_S=5.0		11.0	2.10	
			LZ	M_S=4.8		16.0	2.60	
LZH	23.3	301	eP	01 33 46.5	−1.9			
			PMZ	m_b=5.1		2.0	0.17	
			sP	01 34 03.0	0.4			
			eS	01 38 00.0	5.0			
			LN	M_S=5.0		10.0	0.90	
			LE			10.0	1.40	
			LZ	M_S=4.8		14.0	2.30	
GTA	27.5	306	+iP	01 34 25.4	−1.9			
			PMZ	m_b=5.3		1.0	0.066	
			pP	01 34 36.4	−0.8			
			S	01 39 03.0	0.3			
			sS	01 39 22.0	1.5			
			LN	M_S=5.2		12.0	2.32	
			LZ	M_S=5.0		12.0	2.44	
KSH	45.6	301	eP	01 37 02.0	0.6			
			eS	01 43 41.0	0.1			
			LE	M_S=5.3		12.0	1.20	

MAR 15d 04h 17m 33.4±0.10s, SD1.77/46
30.50 S±2.51km, 177.89 W±2.85km, h60±1.08km
Kermadec Islands region (177)
M_S5.3/2,

SSE	84.2	311	eP	04 29 58.0	−2.6			
			LZ	M_S=4.9		20.0	0.47	
QZN	85.1	295	eP	04 30 05.8	0.8			
NJ2	86.4	311	eP	04 30 13.0	1.9			
			LZ	M_S=4.9		24.0	0.65	
WHN	88.5	307	eP	04 30 20.0	−1.3			
MDJ	88.8	325	eP	04 30 27.4	4.8			
TIA	90.1	313	eP	04 30 28.5	−0.5			
CN2	90.3	323	eP	04 30 28.0	−1.8			
			eS	04 41 14.0	−2.9			
			LZ	M_S=5.0		26.0	0.70	
GYA	91.7	300	P	04 30 41.4	5.0			
BJI	93.1	315	eP	04 30 44.0	1.4			
TIY	94.0	312	eP	04 30 48.0	1.0			
			sS	04 42 18.0	1.4			
			LZ	M_S=5.0		22.0	0.52	

MAR 15d 05h 16m 33.6±0.08s, SD0.90/39
22.38 S±1.16km, 171.10 E±1.09km, h82±0.34km
Loyalty Islands region (189)
m_b4.9/1,

QZN	72.6	300	−P	05 27 55.8	1.0			
NJ2	73.7	316	eP	05 28 00.0	−0.8			
TIA	77.4	318	eP	05 28 21.6	−0.7			
GYA	79.0	305	P	05 28 31.2	0.0			
BJI	80.5	320	eP	05 28 38.0	−0.8			
TIY	81.3	317	+P	05 28 43.2	−0.1			
KMI	81.4	302	+P	05 28 44.5	0.5			
XAN	81.5	312	+iP	05 28 44.2	−0.1			
HHC	83.7	319	eP	05 28 55.6	−0.1			
BTO	84.5	318	eP	05 29 00.0	0.2			
GTA	90.5	313	+iP	05 29 29.0	0.3			

PMZ m_b=4.9 0.8 0.0070

MAR 15d 07h 14m 58.6±0.30s, SD1.15/6
33.07 N±0.46km, 122.46 E±2.24km, h10±0.02km
Eastern China (664)
M_L3.1/5,

NJ2	3.2	253	+Pg	07 15 54.6	−0.7			
			Sg	07 16 38.8	−0.3			
			SMN	M_L=3.6		0.6	0.20	
			SME			0.4	0.21	

MAR 15d 16h 37m 05.9±0.11s, SD1.42/69
9.67 N±1.32km, 122.58 E±1.77km, h52±0.33km
Negros (257)
M_S4.1/3, m_b4.9/1,

QZN	15.4	308	eP	16 40 43.0	0.8			
			eS	16 43 35.0	3.6			
			sS	16 43 46.0	−0.8			
			LE	M_S=4.1		16.0	0.70	
QZH	15.7	346	+P	16 40 49.5	4.6			
SSE	21.4	357	+P	16 41 50.0	−1.1			
WHN	22.1	341	eP	16 42 01.0	2.1			
GYA	22.5	320	P	16 42 03.2	0.7			
NJ2	22.5	352	+P	16 42 05.2	2.4			
			LZ	M_S=3.8		20.0	0.37	
KMI	24.3	312	−P	16 42 21.0	0.5			
			pP	16 42 28.0	−4.4			
			LZ	M_S=4.4		20.0	1.10	
XAN	27.3	335	P	16 42 46.7	−1.5			
CD2	27.5	323	eP	16 42 48.2	−1.3			
DL2	29.1	358	eP	16 43 05.0	0.5			
TIY	29.4	343	eP	16 43 05.0	−1.9			
			LZ	M_S=4.3		20.0	0.63	
BJI	30.8	350	P	16 43 20.0	0.8			
LZH	31.3	330	eP	16 43 23.5	−0.8			
SNY	32.0	1	+iP	16 43 30.4	0.1			
CN2	34.1	4	eP	16 43 47.0	−1.1			
MDJ	35.3	9	eP	16 43 57.8	−0.9			
WMQ	45.5	325	eP	16 45 23.0	0.2			

MAR 15d 19h 26m 45.1±0.13s, SD1.13/24
31.87 N±0.83km, 50.56 E±0.80km, h71±0.88km
Iran (348)

GTA	40.3	65	eP	19 34 19.0	1.4			
XAN	48.4	71	P	19 35 22.7	−0.1			
GYA	48.8	81	P	19 35 25.6	−0.3			
WHN	53.8	73	eP	19 36 05.0	1.4			

MAR 16d 04h 17m 27.1±0.06s, SD0.97/74
60.11 N±1.88km, 69.68 W±1.45km, h8±0.36km
Northern Quebec Province (443)
M_S5.3/1, m_b5.3/4,

MDJ	74.4	346	+P	04 29 07.0	−1.3			
			pP	04 29 11.0	−2.5			
WMQ	74.8	17	+iP	04 29 10.0	−0.4			
CN2	75.7	349	eP	04 29 14.5	−1.1			
KSH	76.8	27	P	04 29 23.0	1.2			
			eS	04 39 06.0	−2.5			
SNY	77.8	350	eP	04 29 27.0	−0.5			
HHC	79.4	359	P	04 29 37.0	0.8			
BTO	79.6	0	eP	04 29 38.6	1.0			
BJI	80.1	355	eP	04 29 39.5	−0.3			
GTA	80.5	8	+iP	04 29 42.0	0.1			
			PMZ	m_b=5.2		1.0	0.023	
DL2	80.9	351	eP	04 29 44.1	0.0			
TIY	82.5	358	+P	04 29 53.0	0.4			
			S	04 40 11.0	3.9			
			LZ	M_S=5.0		20.0	0.63	

TIA	83.9	354	eP	04 29 59.2	−0.3			
LZH	84.0	5	eP	04 30 00.0	−0.4			
			PMZ		$m_b = 5.3$		1.5	0.044
XAN	86.2	1	P	04 30 11.4	0.3			
NJ2	87.9	353	+P	04 30 19.5	0.1			
SSE	88.7	351	+P	04 30 23.0	−0.1			
			PMZ		$m_b = 5.2$		1.0	0.020
LSA	89.1	17	P	04 30 27.1	1.3			
CD2	89.2	6	eP	04 30 25.5	0.1			
WHN	89.6	357	−iP	04 30 27.5	−0.1			
			pP	04 30 31.5	−1.3			
GYA	93.7	3	P	04 30 47.0	0.5			
			pP	04 30 50.6	−1.0			

MAR 16d 05h 44m 06.8 ± 0.14s, SD1.44 / 28
2.34 S ± 1.03km, 140.39 E ± 1.49km, h22 ± 0.68km
Near north coast of West Irian (197)
m_b4.9 / 2,

SSE	37.9	333	eP	05 51 24.0	−1.0			
			pP	05 51 29.0	−3.5			
GYA	43.4	314	P	05 52 06.2	−3.7			
XAN	46.8	323	P	05 52 37.2	0.3			
BJI	47.7	335	eP	05 52 44.0	0.1			
MDJ	47.7	350	eP	05 52 44.0	−0.6			
CN2	47.8	345	eP	05 52 45.5	0.0			
CD2	48.1	316	eP	05 52 48.0	0.9			
BTO	50.9	330	eP	05 53 10.5	1.1			
LZH	51.2	322	eP	05 53 13.0	1.5			
			PMZ		$m_b = 4.9$		1.5	0.026
GTA	55.8	322	eP	05 53 42.0	−3.3			
			PMZ		$m_b = 4.8$		1.0	0.014
WMQ	65.8	321	P	05 54 54.0	0.9			

MAR 16d 07h 23m 58.0 ± 0.24s, SD2.71 / 31
63.29 S ± 4.38km, 62.36 W ± 8.64km, h34 ± 0.92km
South Shetland Islands (154)

GYA	142.5	164	PKP	07 43 31.4	2.7
KSH	145.7	114	PKP	07 43 33.5	−0.8
CD2	146.4	158	ePKP	07 43 33.5	−1.9
WHN	147.2	175	ePKP	07 43 38.0	1.4
SSE	147.7	186	ePKP	07 43 37.5	0.0
NJ2	148.7	182	ePKP	07 43 41.5	2.4
XAN	150.2	165	+iPKP	07 43 43.5	1.9
LZH	151.5	156	PKP	07 43 47.0	3.4
TIA	152.9	179	ePKP	07 43 50.7	5.3
GTA	153.8	147	−PKP	07 43 48.0	1.1
WMQ	154.0	124	ePKP	07 43 49.0	1.9
			PKP2	07 44 06.0	−3.7

MAR 16d 08h 13m 25.3 ± 0.06s, SD0.86 / 49
58.73 N ± 1.51km, 153.03 W ± 0.81km, h57 ± 0.33km
Kodiak Island region (13)
m_b4.8 / 2,

MDJ	47.3	288	eP	08 21 55.5	0.2			
CN2	49.9	291	−P	08 22 15.6	−0.1			
			pP	08 22 30.0	0.4			
SNY	52.3	290	eP	08 22 32.8	−0.9			
BJI	57.2	294	eP	08 23 10.0	0.2			
HHC	58.8	298	eP	08 23 20.5	−0.1			
BTO	59.7	299	eP	08 23 29.2	2.3			
NJ2	62.3	287	eP	08 23 43.0	−1.4			
GTA	65.2	305	eP	08 24 02.6	−0.8			
			PMZ		$m_b = 4.8$		1.0	0.012
WHN	65.7	289	eP	08 24 07.0	0.0			
LZH	66.2	300	eP	08 24 09.5	−0.3			
			PMZ		$m_b = 4.9$		1.5	0.022
WMQ	66.2	316	P	08 24 10.0	0.1			
CD2	70.5	297	eP	08 24 36.5	−0.3			
GYA	72.9	293	P	08 24 51.0	0.6			
LSA	77.1	307	+P	08 25 16.9	1.1			

MAR 16d 08h 39m 06.0 ± 0.19s, SD1.55 / 23
14.13 S ± 2.92km, 167.77 E ± 2.59km, h36 ± 0.45km
Vanuatu (New Hebrides) (186)

CN2	69.4	329	eP	08 50 14.0	1.1			
GYA	71.8	304	P	08 50 26.6	−0.9			
XAN	73.6	312	P	08 50 35.5	−3.0			
KMI	74.4	301	+P	08 50 43.0	−0.1			
LZH	78.3	312	eP	08 51 06.0	1.1			
GTA	82.6	314	eP	08 51 27.6	−0.3			

MAR 16d 09h 33m 56.7 ± 0.08s, SD0.83 / 84
30.27 S ± 0.93km, 177.94 W ± 1.32km, h38 ± 0.95km
Kermadec Islands (178)
M_S5.5 / 10, m_B5.8 / 7, m_b5.1 / 2,

QZH	81.9	305	+P	09 46 14.0	−0.7			
			S	09 56 22.0	−1.1			
			sS	09 56 46.0	3.5			
			LZ		$M_S = 5.3$		20.0	1.25
SSE	84.1	311	+P	09 46 25.0	−0.6			
			PMZ		$m_b = 5.2$		1.0	0.024
			PMZ		$m_B = 6.0$		6.0	0.89
			eSKS	09 56 43.0	2.2			
			sS	09 57 04.0	−0.1			
			LE		$M_S = 5.4$		18.0	0.96
			LZ		$M_S = 5.4$		22.0	1.83
GZH	84.6	300	eP	09 46 28.2	−0.2			
QZN	85.0	295	P	09 46 30.0	−0.3			
			eS	09 56 55.0	−0.4			
NJ2	86.2	311	+P	09 46 36.0	−0.2			
			PMZ		$m_B = 5.7$		7.0	0.56
			pP	09 46 49.0	2.2			
			eS	09 57 03.0	−4.1			
			LN		$M_S = 5.7$		22.0	1.70
			LE				23.0	1.41
			LZ		$M_S = 5.4$		24.0	1.83
WHN	88.3	307	eP	09 46 47.0	0.6			
			PMZ		$m_B = 6.1$		4.0	0.63
			pP	09 46 58.0	0.9			
			S	09 57 27.0	1.6			
			sS	09 57 50.0	4.9			
			LZ		$M_S = 5.5$		24.0	2.10
MDJ	88.5	325	+P	09 46 47.0	−0.6			
			sP	09 47 04.0	1.5			
			SKS	09 57 07.0	−3.1			
			S	09 57 24.0	−3.6			
			SS	10 03 18.0	−4.0			
			LZ		$M_S = 5.4$		30.0	2.51
SNY	89.7	320	+P	09 46 52.0	−1.1			
			PMZ				16.0	0.76
			eS	09 57 36.0	−4.2			
			LN		$M_S = 5.5$		30.0	1.17
			LE				28.0	1.38
			LZ		$M_S = 5.4$		26.0	2.01
TIA	89.9	313	P	09 46 54.1	0.0			
			S	09 57 45.5	5.2			
			LZ		$M_S = 5.3$		28.0	1.76
CN2	90.1	323	P	09 46 54.0	−0.8			
			pP	09 47 10.0	4.6			
			eS	09 57 40.0	−3.4			
			LE		$M_S = 5.6$		20.0	1.30
GYA	91.5	300	P	09 47 01.8	0.1			
			sP	09 47 17.6	1.0			
			PP	09 50 42.0	1.2			
			SKS	09 57 32.0	4.1			
			S	09 57 54.0	−0.6			

BJI	92.9	315	eP	09 47 07.0	−0.7			
			eSKS	09 57 32.0	−3.5			
			eS	09 58 05.0	−3.1			
			LZ	M_S=5.5		34.0	3.00	
KMI	93.8	297	eP	09 47 13.0	0.8			
TIY	93.8	312	+P	09 47 12.2	0.1			
			S	09 58 10.0	−4.6			
			LE	M_S=5.5		20.0	1.04	
			LZ	M_S=5.8		12.0	1.81	
XAN	94.1	307	P	09 47 13.8	0.5			
CD2	96.1	302	eP	09 47 22.5	0.2			
HHC	96.2	314	eP	09 47 23.0	0.1			
			sP	09 47 38.0	0.3			
			SKS	09 57 56.0	2.4			
			LZ	M_S=5.7		30.0	3.80	
BTO	97.0	313	eP	09 47 27.5	0.8			
			eSKS	09 57 57.0	−0.7			
			eS	09 58 42.0	−1.7			
			LN	M_S=5.9		25.0	2.00	
			LE			25.0	2.00	
GTA	103.1	308	eP	09 47 54.2	0.0			
WMQ	113.2	308	PKP	09 52 30.8	−0.3			
			PP	09 53 24.0	−1.2			
			LZ	M_S=5.5		24.0	1.50	
KSH	120.3	301	ePKP	09 52 45.5	0.5			
			ePP	09 54 13.5	−0.1			

MAR 16d 11h 34m 23.9±0.16s, SD2.49 / 12
40.65 N±1.06km, 77.07 E±0.73km, h28±1.13km
Kirgiziya−Xinjiang border region (320)
M_L3.9 / 8,

KSH	1.4	218	−iPg	11 34 48.8	−1.0			
			Sg	11 35 08.5	−1.0			
			SMN	M_L=4.2		0.5	3.20	
			SME			0.5	3.50	
WMQ	8.5	65	+P	11 36 30.2	1.9			
			S	11 38 06.7	2.8			
			SMN	M_L=4.0		1.0	0.030	
			SME			1.0	0.030	
GTA	17.5	87	eP	11 38 28.0	0.6			

MAR 16d 12h 00m 43.1±0.08s, SD1.66 / 45
8.87 N±3.03km, 93.61 E±1.73km, h34±1.25km
Nicobar Islands region (704)
M_S4.7 / 2, m_b4.5 / 2,

KMI	18.4	27	+P	12 05 01.0	3.8			
QZN	18.7	56	eP	12 05 02.0	0.8			
			eS	12 08 28.0	2.7			
			LN	M_S=4.6		12.0	1.00	
			LE			14.0	0.70	
LSA	20.8	354	P	12 05 24.0	−1.2			
GYA	21.4	34	P	12 05 32.0	1.2			
LZH	28.7	17	eP	12 06 38.0	−1.3			
XAN	28.7	27	P	12 06 37.5	−2.5			
WHN	29.0	39	eP	12 06 45.0	2.9			
GTA	30.9	9	−P	12 06 58.4	−1.1			
			PMZ	m_b=4.6		0.6	0.0070	
KSH	34.4	335	eP	12 07 27.0	−2.5			
WMQ	35.2	353	P	12 07 36.4	−0.1			
BJI	37.0	29	eP	12 07 51.5	−0.1			

MAR 16d 13h 33m 36.8±0.06s, SD1.09 / 99
13.65 N±1.15km, 120.94 E±1.31km, h141±0.58km
Mindoro (250)
m_B5.8 / 19, m_b5.7 / 12,

QZH	11.5	349	eP	13 36 17.5	0.3			
			sP	13 36 50.0	−3.4			
			S	13 38 20.0	−2.5			
			LN			14.0	0.88	
			LE			14.0	0.91	
GZH	11.8	324	eP	13 36 20.2	−2.0			
			sP	13 36 53.0	−5.6			
			eS	13 38 28.0	−3.8			
			LN			10.0	2.12	
			LE			12.0	1.03	
QZN	11.9	298	P	13 36 22.8	−0.5			
			sP	13 36 55.0	−4.8			
			S	13 38 30.2	−3.3			
			LN			15.0	1.70	
			LE			12.0	0.80	
SSE	17.4	1	+P	13 37 32.5	0.6			
			PMZ	m_b=5.2		1.6	0.18	
			sP	13 38 08.5	−3.0			
			iS	13 40 42.0	3.2			
			PcP	13 42 12.0	5.7			
			LE			10.0	0.54	
			LZ			20.0	1.12	
WHN	17.9	341	eP	13 37 38.5	0.5			
			PMZ	m_b=5.2		1.5	0.18	
			PMZ	m_B=5.4		5.0	0.93	
			sP	13 38 16.0	−2.0			
			S	13 40 50.0	0.4			
			SME	m_B=5.8		10.0	3.28	
			LE			10.0	1.07	
NJ2	18.4	354	−P	13 37 45.2	1.3			
			PMZ	m_B=5.2		4.0	0.43	
			sP	13 38 20.0	−4.7			
			eS	13 41 00.0	−1.7			
GYA	18.5	316	P	13 37 45.0	0.3			
			PMZ	m_b=6.2		2.0	2.23	
			sP	13 38 23.0	−2.4			
			S	13 41 05.0	2.7			
			LN			14.0	1.26	
			LE			14.0	1.39	
KMI	20.6	306	+iP	13 38 07.5	0.7			
			pP	13 38 33.0	−3.5			
			sP	13 38 49.0	−1.7			
			SME	m_B=5.8		9.0	2.30	
TIA	22.7	352	+P	13 38 28.5	0.9			
			S	13 42 25.0	3.7			
			SMN			13.0	2.40	
			LE			12.0	1.30	
XAN	23.0	334	+iP	13 38 30.7	0.0			
			pP	13 38 56.0	−2.8			
			sP	13 39 13.0	−2.9			
			S	13 42 28.7	1.9			
			LN			14.0	1.05	
CD2	23.4	320	−iP	13 38 33.6	0.0			
			sP	13 39 17.0	−1.9			
			iS	13 42 33.0	0.2			
			SMN			3.0	1.76	
			LE			11.0	0.85	
TIY	25.1	344	+iP	13 38 50.5	−0.2			
			PMZ	m_b=5.3		1.2	0.11	
			S	13 43 03.0	1.0			
			SS	13 44 19.5	4.4			
			LN			15.0	0.92	
			LZ			16.0	0.95	
DL2	25.2	1	eP	13 38 50.0	−0.8			
			sP	13 39 35.0	−1.5			
			S	13 43 01.0	−1.5			
			LE			12.0	0.70	
BJI	26.6	352	eP	13 39 04.0	−0.3			
			epP	13 39 34.0	0.5			
			ePP	13 39 48.0	−6.7			
			eS	13 43 26.0	−1.2			

LZH	27.1	328	+iP	13 39 09.0	0.0		
			PMZ	$m_b = 6.2$		2.0	1.21
			S	13 43 35.0	0.7		
			SME	$m_B = 5.7$		5.0	1.41
			LN			9.0	0.68
			LE			9.0	0.80
			LZ			40.0	1.23
SNY	28.2	4	eP	13 39 17.4	−0.9		
			pP	13 39 45.0	−2.7		
			S	13 43 50.0	−1.4		
			LE			21.0	1.33
			LZ			22.0	0.75
HHC	28.3	345	+iP	13 39 20.0	0.2		
			S	13 43 56.0	2.4		
			LE			10.0	0.57
			LZ			40.0	4.09
BTO	28.5	342	+iP	13 39 21.0	−0.5		
			sP	13 40 06.5	−1.0		
			eS	13 43 57.0	−0.7		
			LN			12.0	0.50
			LE			12.0	0.70
			LZ			12.0	0.50
GTA	31.7	328	+iP	13 39 49.7	−0.1		
			PMZ	$m_b = 6.3$		2.0	1.09
			PcP	13 42 38.7	1.2		
			S	13 44 47.5	0.5		
			ScP	13 46 08.2	2.2		
			LN			9.0	0.71
			LZ			15.0	0.84
MDJ	31.7	12	eP	13 39 49.7	−0.2		
LSA	31.8	305	+P	13 39 51.4	0.2		
			PMZ	$m_B = 6.0$		5.0	1.40
			PP	13 41 03.5	2.8		
			S	13 44 50.0	1.0		
WMQ	41.4	323	+P	13 41 11.8	0.8		
			PMZ	$m_B = 5.9$		4.0	0.87
			PP	13 42 52.0	1.0		
			S	13 47 16.0	2.0		
			SS	13 50 22.0	3.0		
			LN			12.0	0.55
			LE			10.0	0.87
			LZ			20.0	0.70
KSH	47.1	312	P	13 41 58.9	1.7		
			LZ			22.0	2.90

MAR 16d 17h 12m 22.4 ± 0.32s, SD1.74 / 44
16.97 S ± 2.71km, 65.01 W ± 1.93km, h39 ± 2.36km
Bolivia (120)

WMQ	144.7	35	PKP	17 31 55.2	−0.8		
			pPKP	17 32 06.0	−1.1		
			PP	17 35 12.0	−3.5		
			LZ	$M_S = 5.5$		20.0	0.76
MDJ	149.8	339	ePKP	17 32 08.0	3.6		
CN2	151.8	344	ePKP	17 32 07.0	−0.5		
GTA	154.0	28	ePKP	17 32 11.6	0.9		
LSA	154.8	56	ePKP	17 32 14.3	2.3		
BJI	157.0	358	ePKP	17 32 16.0	1.5		
LZH	158.5	25	ePKP	17 32 19.0	2.3		
XAN	162.1	17	+PKP	17 32 22.0	1.6		
KMI	166.0	53	+PKP	17 32 24.5	0.2		
GYA	167.8	38	PKP	17 32 26.2	0.8		
			pPKP	17 32 37.0	0.4		

MAR 17d 00h 50m 52.6 ± 0.09s, SD1.53 / 40
41.21 N ± 1.55km, 19.95 E ± 1.51km, h27 ± 0.30km
Albania (391)

WMQ	48.7	63	eP	00 59 37.0	−0.5		
GTA	58.8	63	eP	01 00 51.0	−0.8		
XAN	67.9	64	P	01 01 52.0	0.7		
BJI	69.0	55	eP	01 01 59.0	0.4		
GYA	70.8	71	P	01 02 11.4	2.1		
CN2	72.1	47	eP	01 02 18.0	0.6		

MAR 17d 01h 22m 58.8 ± 0.14s, SD2.85 / 9
43.81 N ± 0.79km, 87.78 E ± 0.97km, h14 ± 1.13km
Northern Xinjiang Province (332)
M_L3.3 / 7,

WMQ	0.1	273	−iPg	01 23 02.4	1.1		
			Sg	01 23 06.0	2.9		
			SME	$M_L = 3.4$		1.0	8.84

MAR 17d 02h 21m 54.7 ± 0.08s, SD1.41 / 103
27.07 N ± 1.10km, 127.55 E ± 1.21km, h93 ± 0.48km
Ryukyu Islands (238)
m_B5.9 / 34, m_b5.7 / 14,

SSE	6.9	307	−iP	02 23 35.0	0.5		
			PMZ	$m_b = 6.2$		1.0	0.93
			PMZ	$m_B = 5.3$		4.0	0.45
			S	02 24 48.0	−3.6		
			SMN			1.5	1.49
			SME			1.5	1.44
			LN			5.0	8.50
			LE			6.0	8.59
			LZ			10.0	7.27
QZH	8.3	257	+P	02 23 55.0	0.4		
			S	02 25 24.5	−3.0		
			LE			10.0	3.73
NJ2	9.1	305	−P	02 24 05.2	0.9		
			PMZ	$m_B = 5.9$		9.0	2.30
			sP	02 24 31.0	1.5		
			S	02 25 48.0	2.8		
			LN			7.0	8.55
			LE			7.0	12.5
			LZ			10.0	9.40
WHN	12.1	290	−iP	02 24 45.6	0.6		
			PMZ	$m_b = 6.4$		1.4	0.77
			PMZ	$m_B = 6.3$		6.0	2.73
			sP	02 25 13.0	1.9		
			S	02 27 00.0	2.1		
			SS	02 27 13.0	−2.3		
			LN			6.0	13.6
			LE			6.0	7.80
TIA	12.7	318	−P	02 24 55.0	1.5		
			PMZ	$m_B = 6.2$		6.0	2.50
			sP	02 25 20.0	0.2		
			LN			9.0	3.00
			LE			9.0	3.30
			LZ			12.0	4.20
DL2	12.8	339	−iP	02 24 56.0	1.4		
			S	02 27 19.0	4.0		
			LE			6.0	5.50
			LZ			38.0	8.30
GZH	13.5	256	eP	02 25 02.0	−1.2		
			S	02 27 27.4	−3.3		
			LN			7.5	1.51
			LE			8.5	3.29
SNY	15.1	349	−iP	02 25 26.0	2.0		
			PMZ	$m_B = 5.9$		10.0	4.98
			sP	02 25 50.0	−1.1		
			iS	02 28 12.0	2.9		
			LN			5.0	4.03
			LE			5.0	3.51
BJI	16.0	327	−P	02 25 37.0	1.1		
			PMZ	$m_B = 5.9$		8.0	4.00
			PP	02 25 52.0	0.3		
			eS	02 28 31.0	0.5		

			eScP	02 33 52.5		0.1					LZ				40.0	12.3
			LN				11.0	3.00	KMI	22.4	271	−P	02 26 46.5	0.2		
			LZ				36.0	9.40				PMZ	$m_B = 5.6$		4.0	1.20
TIY	16.6	314	−iP	02 25 45.0		2.0						pP	02 27 09.0	3.3		
			PMZ		$m_b = 5.9$		1.2	0.73				S	02 30 42.0	1.8		
			PMZ		$m_B = 6.1$		6.0	5.48				LN			8.0	3.90
			pP	02 25 54.0		−3.4			GTA	26.2	305	−iP	02 27 21.0	−1.4		
			LE				10.0	3.54				PMZ	$m_b = 5.8$		0.8	0.19
			LZ				18.0	4.14				pP	02 27 41.5	−1.1		
CN2	16.8	355	−iP	02 25 46.0		0.6						S	02 31 43.0	−1.5		
			PMZ		$m_B = 5.9$		6.0	3.70				LN			7.5	2.74
			sP	02 26 11.0		−2.1						LZ			18.0	2.57
			S	02 28 49.0		1.6			LSA	32.1	283	P	02 28 14.6	−0.9		
			LN				9.0	5.00				LN			9.0	1.80
			LZ				14.0	5.90	WMQ	36.1	308	−iP	02 28 48.2	−1.7		
XAN	17.5	298	+iP	02 25 52.4		−1.6						pP	02 29 11.0	−0.2		
			PMZ		$m_B = 6.1$		5.0	4.96				PP	02 30 14.0	0.9		
			sP	02 26 18.0		−3.9						S	02 34 19.8	−1.4		
			LN				6.0	7.04				LN			8.0	2.48
			LE				6.0	5.89				LE			8.0	1.78
MDJ	17.6	5	−P	02 25 54.0		−1.3						LZ			20.0	2.50
			PP	02 26 15.0		2.3			KSH	44.4	300	P	02 29 57.0	−0.9		
			sP	02 26 24.0		0.8						PMZ	$m_B = 5.9$		5.0	0.90
			S	02 29 10.0		4.8						pP	02 30 21.5	2.0		
			LE				11.0	1.91				PP	02 31 44.0	0.9		
			LZ				10.0	2.81				S	02 36 26.0	2.2		
QZN	18.1	248	P	02 26 02.6		0.6						sS	02 37 01.5	−1.2		
			PP	02 26 21.5		1.6						LN			7.0	1.60
			S	02 29 22.0		4.6										
			sS	02 29 41.0		−1.0										
			LN				10.0	1.00								
			LE				10.0	1.30								
GYA	18.7	273	P	02 26 07.8		−0.3										
			pP	02 26 26.6		2.9										
			PP	02 26 31.0		3.8										
			S	02 29 34.0		4.8										
			sS	02 29 56.0		2.0										
HHC	19.1	320	−iP	02 26 12.8		0.3										
			PMZ				3.0	2.48								
			pP	02 26 30.0		1.4										
			PP	02 26 38.0		5.3										
			S	02 29 44.0		6.4										
			LN				9.0	2.54								
			LE				8.0	1.58								
			LZ				12.0	3.33								
BTO	19.8	317	−iP	02 26 21.0		0.5										
			PMZ		$m_B = 5.9$		4.0	2.35								
			pP	02 26 38.0		0.1										
			S	02 29 54.0		1.2										
			SS	02 30 27.0		1.0										
			LN				10.0	2.00								
			LE				13.0	2.30								
			LZ				13.0	3.00								
CD2	21.2	286	P	02 26 32.0		−2.2										
			pP	02 26 55.5		2.1										
			S	02 30 20.0		1.6										
			sS	02 30 56.0		6.4										
			LN				7.0	5.83								
			LZ				8.0	4.76								
LZH	22.1	300	−iP	02 26 43.0		−0.3										
			PMZ		$m_b = 5.7$		1.0	0.38								
			PMZ		$m_B = 5.6$		7.0	2.10								
			pP	02 27 05.0		2.3										
			eS	02 30 29.5		−6.5										
			SME		$m_B = 6.0$		10.0	3.72								
			PcP	02 30 42.0		3.4										
			LN				10.0	1.64								
			LE				8.0	1.18								

MAR 17d 04h 02m 05.9 ± 0.09s, SD1.79 / 41
35.94 N ± 1.01km, 80.63 E ± 1.15km, h22 ± 0.33km
Kashmir–Tibet border region (304)
M_S4.3 / 4, M_L5.3 / 3, m_b4.5 / 3,

KSH	5.2	315	+iPn	04 03 26.5		3.9										
			eSn	04 04 28.5		5.2										
			SMN		$M_L = 5.3$		0.8	2.90								
			SME				0.6	3.30								
WMQ	9.6	32	P	04 04 23.0		−2.6										
			pP	04 04 26.3		−5.4										
			eS	04 06 10.0		−3.5										
			LN		$M_S = 4.4$		10.0	1.68								
			LZ		$M_S = 4.3$		8.0	1.20								
LSA	10.8	122	P	04 04 44.3		1.0										
GTA	15.6	71	+P	04 05 47.4		1.1										
			PMZ		$m_b = 4.5$		0.9	0.019								
LZH	18.8	83	eP	04 06 26.0		−0.5										
			PMZ		$m_b = 4.6$		2.0	0.055								
CD2	19.9	98	eP	04 06 37.5		−2.0										
KMI	21.8	113	−P	04 06 58.0		−1.3										
XAN	23.2	86	P	04 07 12.6		−0.3										
BTO	23.5	70	eP	04 07 17.0		1.6										
			epP	04 07 22.0		−0.4										
			eS	04 11 25.0		0.6										
			LN		$M_S = 4.3$		13.0	0.30								
			LE				11.0	0.30								
			LZ		$M_S = 4.2$		11.0	0.40								
GYA	24.1	106	P	04 07 22.0		0.3										
TIY	25.5	76	eP	04 07 36.0		1.6										
			LN		$M_S = 4.4$		15.0	0.57								
			LZ		$M_S = 4.3$		14.0	0.60								

MAR 17d 05h 42m 53.6 ± 0.08s, SD1.04 / 79
34.63 N ± 1.32km, 25.36 E ± 1.35km, h31 ± 0.35km
Crete (370)
M_S5.3 / 6, m_b4.8 / 2,

KSH	40.2	68	eP	05 50 31.0		1.5										
WMQ	48.1	59	P	05 51 34.2		0.9										
			pP	05 51 39.0		−3.2										

			PP	05 53 24.0	−0.2		
			S	05 58 30.0	1.7		
			sS	05 58 45.0	0.7		
			LN	M_S=5.0		8.0	0.44
			LZ	M_S=5.0		28.0	2.29
LSA	55.0	76	P	05 52 25.4	−0.2		
GTA	58.1	62	eP	05 52 46.4	−0.5		
			PMZ	m_b=4.6		0.8	0.0070
			S	06 00 44.5	1.5		
			LZ	M_S=4.8		30.0	1.09
LZH	62.3	64	eP	05 53 15.5	−0.3		
			PcP	05 53 50.5	−3.8		
			LZ	M_S=5.1		30.0	1.92
BTO	64.8	57	eP	05 53 32.0	−0.6		
			eS	06 02 10.0	−0.5		
HHC	65.8	56	eP	05 53 38.0	−0.7		
			S	06 02 23.0	2.3		
			LE	M_S=5.3		32.0	2.05
XAN	66.9	64	P	05 53 45.5	−0.3		
TIY	67.8	59	eP	05 53 52.0	0.7		
			S	06 02 45.5	0.7		
			LE	M_S=5.3		18.0	1.14
			LZ	M_S=5.2		24.0	1.63
GYA	68.7	72	P	05 53 56.4	−0.9		
			S	06 02 54.0	−2.2		
BJI	69.3	55	eP	05 54 01.0	0.5		
			eS	06 03 06.0	2.0		
			esS	06 03 18.0	−1.3		
			LZ	M_S=4.9		28.0	1.06
TIA	71.8	58	eP	05 54 16.6	0.8		
WHN	72.6	65	eP	05 54 22.6	2.0		
			eS	06 03 40.0	−2.8		
			LZ	M_S=5.0		24.0	0.98
SNY	73.3	51	eP	05 54 24.0	−0.5		
			LN	M_S=5.4		24.0	1.16
			LE			28.0	1.24
			LZ	M_S=5.1		30.0	1.47
CN2	73.4	48	+P	05 54 25.0	−0.3		
			sP	05 54 35.0	−3.3		
			eS	06 03 52.0	0.4		
			LZ	M_S=4.9		34.0	1.00
DL2	73.5	54	eP	05 54 29.0	3.1		
QZN	75.0	77	eP	05 54 35.1	0.4		
			eS	06 04 10.0	0.2		
NJ2	75.2	61	eP	05 54 35.0	−0.4		
MDJ	75.5	46	eP	05 54 34.5	−2.6		
SSE	77.4	61	eP	05 54 46.0	−1.9		
			eS	06 04 30.0	−5.3		
			SKS	06 04 54.0	1.7		
			LZ	M_S=4.8		20.0	0.47

MAR 17d 11h 08m 08.1 ± 0.12s, SD2.22 / 58
21.68 N ± 1.74km, 98.01 E ± 1.51km, h27 ± 0.50km
Burma (296)
M_S4.7 / 24, M_L5.0 / 2, m_B5.0 / 1,

KMI	5.5	51	+Pg	11 09 50.0	3.7		
			Sg	11 10 59.0	−2.8		
			LN	M_S=4.8		10.0	8.00
			LE			8.0	7.80
GYA	9.2	57	P	11 10 23.0	0.1		
			S	11 12 01.8	−4.8		
			LN	M_S=4.8		8.0	3.24
			LE			8.0	1.96
LSA	10.1	324	eP	11 10 34.6	−0.6		
CD2	10.5	28	eP	11 10 44.5	3.6		
			LE	M_S=4.5		7.0	1.44
QZN	11.4	101	eP	11 10 52.8	0.1		
			eS	11 13 05.4	5.0		
			LN	M_S=4.6		12.0	2.50
			LE			12.0	1.50
LZH	15.2	18	eP	11 11 44.5	0.9		
			PMZ	m_b=5.0		2.5	0.16
			LE	M_S=4.6		13.0	1.68
			LZ	M_S=4.6		15.0	2.90
XAN	15.6	36	P	11 11 46.0	−2.6		
			LN	M_S=4.7		8.0	1.18
			LE			8.0	0.83
WHN	17.1	56	eP	11 12 05.6	−1.7		
			LN	M_S=4.9		9.0	1.39
			LE			8.0	1.38
GTA	17.7	5	eP	11 12 18.0	2.6		
			LE	M_S=5.1		8.5	2.92
			LZ	M_S=4.5		8.0	0.85
TIY	20.3	35	eP	11 12 44.5	−0.2		
			S	11 16 23.0	−2.3		
			sS	11 16 37.5	0.6		
			LN	M_S=4.6		10.0	0.86
			LZ	M_S=4.5		10.0	1.02
BTO	21.4	26	eP	11 12 57.0	0.2		
			epP	11 13 05.0	0.6		
			eS	11 16 48.0	−0.7		
			LN	M_S=4.7		10.0	0.60
			LE			12.0	1.00
			LZ	M_S=4.3		12.0	0.70
HHC	22.3	28	eP	11 13 05.7	0.3		
			LZ	M_S=4.3		15.0	0.83
WMQ	23.7	341	P	11 13 21.8	2.9		
			sP	11 13 34.0	3.7		
			S	11 17 32.0	3.9		
			LE	M_S=4.5		8.0	0.44
			LZ	M_S=4.2		18.0	0.68
BJI	24.0	36	eP	11 13 22.0	0.5		
			eS	11 17 35.0	1.2		
			LN	M_S=4.6		11.0	0.72
KSH	25.9	318	eP	11 13 41.0	0.6		
			pP	11 13 50.5	2.4		
			eS	11 18 06.0	−0.9		
			LE	M_S=4.7		12.0	0.80

MAR 17d 11h 14m 19.5 ± 0.08s, SD1.80 / 21
21.90 N ± 0.96km, 97.74 E ± 0.99km, h32 ± 0.98km
Burma (296)
M_S4.5 / 4, M_L4.9 / 2, m_B5.0 / 1,

KMI	5.6	54	+Pg	11 15 58.0	−0.9		
			LN	M_S=4.5		7.0	3.70
QZN	11.7	102	eP	11 17 07.8	0.5		
			eS	11 19 17.8	−0.2		
			LN	M_S=4.2		12.0	0.80
			LE			11.0	0.60
GTA	17.5	5	eP	11 18 20.0	−3.6		
			LE	M_S=5.1		8.5	2.92
			LZ	M_S=4.5		8.0	0.85
BTO	21.4	26	eP	11 19 05.0	−1.5		
WMQ	23.4	341	P	11 19 29.5	2.9		
BJI	23.9	37	eP	11 19 32.0	0.2		

MAR 17d 12h 37m 09.6 ± 0.04s, SD0.65 / 21
21.21 N ± 0.40km, 146.31 E ± 0.83km, h50 ± 0.24km
Marianas (216)
m_b4.3 / 1,

SSE	24.6	299	eP	12 42 25.2	−1.0		
			PMZ	m_b=4.3		1.0	0.012
			pP	12 42 38.7	0.6		
			sP	12 42 47.0	3.4		
GTA	43.5	305	eP	12 45 11.4	0.7		

MAR 17d 13h 38m 39.1 ± 0.10s, SD1.05 / 98
5.83 S ± 1.08km, 146.61 E ± 1.48km, h42 ± 0.43km
Eastern New Guinea region (207)
M_S5.4 / 36, m_B5.8 / 22, m_b5.5 / 7,

QZH	41.0	319	eP	13 46 21.0	1.0			
			S	13 52 30.0	2.1			
			LE	M_S = 5.2		33.0	3.76	
GZH	43.4	313	+P	13 46 41.0	1.2			
			lS	13 53 05.0	0.6			
			LN	M_S = 5.5		10.0	1.87	
QZN	43.8	305	P	13 46 44.0	0.6			
			PP	13 48 28.5	1.3			
			eS	13 53 12.0	1.0			
			LE	M_S = 5.0		16.0	1.00	
SSE	44.0	328	P	13 46 45.0	0.1			
			PMZ	m_b = 5.8		1.0	0.13	
			PMZ	m_B = 5.8		5.0	0.76	
			pP	13 46 55.6	−0.4			
			sP	13 46 59.5	−1.1			
			PP	13 48 30.0	1.0			
			S	13 53 14.0	1.2			
			sS	13 53 34.0	1.6			
			ScS	13 56 39.0	2.4			
			LN	M_S = 5.3		16.0	1.88	
			LZ	M_S = 5.1		20.0	2.61	
NJ2	46.0	327	+P	13 47 01.7	0.8			
			LN	M_S = 5.4		16.0	1.43	
			LE			16.0	1.36	
			LZ	M_S = 5.0		22.0	1.95	
WHN	47.6	321	eP	13 47 14.5	1.6			
			PMZ	m_b = 5.7		1.0	0.11	
			pP	13 47 28.5	4.5			
			S	13 54 06.0	2.8			
			sS	13 54 28.0	5.0			
			LE	M_S = 5.2		16.0	1.36	
			LZ	M_S = 5.1		20.0	1.91	
TIA	50.1	329	+P	13 47 32.3	−0.5			
			sP	13 47 46.0	−2.5			
			S	13 54 41.0	1.9			
			LN	M_S = 5.6		19.0	2.70	
			LE			19.0	1.80	
			LZ	M_S = 5.2		20.0	2.70	
GYA	50.3	312	P	13 47 34.0	−0.1			
			sP	13 47 49.0	−0.6			
			S	13 54 44.0	2.8			
SNY	51.9	338	+iP	13 47 45.0	−1.0			
			PMZ	m_B = 6.0		5.0	0.88	
			pP	13 47 58.0	0.8			
			sP	13 48 04.0	2.2			
			S	13 55 02.0	−1.3			
			SMN	m_B = 5.9		9.0	0.99	
			SME			6.0	0.80	
			sS	13 55 27.0	3.8			
			LN	M_S = 5.7		24.0	4.12	
			LE			22.0	3.32	
			LZ	M_S = 5.6		22.0	6.60	
MDJ	52.5	345	eP	13 47 50.0	−0.7			
			pP	13 48 03.0	1.2			
			S	13 55 12.0	0.4			
			LN	M_S = 5.2		12.0	0.86	
			LZ	M_S = 5.2		28.0	3.14	
KMI	52.6	308	+P	13 47 52.5	0.9			
			PMZ	m_B = 5.8		6.0	0.80	
			sP	13 48 07.0	−0.1			
			SMN	m_B = 5.7		9.0	0.80	
			LZ	M_S = 5.4		25.0	4.00	
CN2	53.0	341	+iP	13 47 53.0	−1.2			
			PMZ	m_B = 6.0		4.0	0.70	
			sP	13 48 08.0	−2.0			
			eS	13 55 18.0	−1.2			
			LN	M_S = 5.3		16.0	1.50	
XAN	53.3	321	+iP	13 47 56.2	−0.6			
			sP	13 48 18.0	5.5			
			S	13 55 25.0	2.4			
			LN	M_S = 5.3		12.0	1.05	
BJI	53.6	331	eP	13 47 58.0	−0.6			
			esP	13 48 12.0	−2.5			
			eS	13 55 28.0	0.7			
			eSS	13 59 06.0	0.2			
			LN	M_S = 5.3		16.0	1.30	
			LZ	M_S = 5.3		20.0	3.00	
TIY	53.7	326	eP	13 47 59.8	−0.3			
			sP	13 48 13.0	−2.8			
			S	13 55 32.0	3.3			
			sS	13 55 53.0	4.2			
			LN	M_S = 5.5		21.0	2.99	
			LZ	M_S = 5.3		36.0	4.58	
CD2	54.9	314	eP	13 48 08.0	−0.3			
			S	13 55 48.0	4.2			
			LZ	M_S = 5.0		16.0	1.00	
HHC	56.5	328	+P	13 48 19.2	−0.8			
			LE	M_S = 5.7		32.0	6.15	
BTO	57.1	327	+iP	13 48 23.5	−1.0			
			sP	13 48 36.5	−3.8			
			PP	13 50 30.0	−2.0			
			S	13 56 15.0	1.4			
			sS	13 56 33.0	−0.8			
			LN	M_S = 5.6		20.0	1.70	
			LE			20.0	2.80	
			LZ	M_S = 5.5		20.0	3.60	
GTA	62.4	320	P	13 49 00.0	−0.6			
			PMZ	m_B = 5.8		6.0	0.77	
			pP	13 49 12.0	0.2			
			sP	13 49 14.3	−2.1			
			S	13 57 23.0	1.8			
			sS	13 57 39.1	−2.5			
			LE	M_S = 5.2		10.0	0.48	
			LZ	M_S = 5.0		30.0	1.56	
LSA	63.8	307	P	13 49 11.0	0.4			
			eS	13 57 42.0	0.4			
WMQ	72.4	319	+iP	13 50 02.8	−0.8			
			sP	13 50 16.2	−3.4			
			PcP	13 50 22.0	1.6			
			PP	13 52 44.0	−1.4			
			S	13 59 27.2	5.5			
			LN	M_S = 5.5		6.0	0.45	
			LZ	M_S = 5.2		24.0	1.50	
KSH	79.0	312	eP	13 50 40.6	−0.8			
			eS	14 00 38.0	1.8			
			LZ	M_S = 4.8		28.0	0.70	

MAR 17d 14h 29m 47.8 ± 0.05s, SD0.75 / 24
5.78 S ± 0.44km, 146.66 E ± 0.57km, h56 ± 0.30km
Eastern New Guinea region (207)

SSE	44.0	328	eP	14 37 52.0	0.0			
WHN	47.5	321	eP	14 38 19.5	−0.5			
XAN	53.3	321	P	14 39 03.7	−0.2			
BJI	53.5	331	eP	14 39 05.0	−0.6			
GTA	62.4	320	eP	14 40 07.6	0.0			

MAR 17d 16h 37m 15.9 ± 0.10s, SD1.60 / 99
35.67 N ± 1.67km, 140.63 E ± 1.74km, h42 ± 0.66km
Near east coast of Honshu (228)
M_S4.7 / 33, m_B5.3 / 5, m_b5.3 / 11,

MDJ	12.3	320	eP	16 40 12.0	0.9			
			pP	16 40 18.0	−1.1			

			S	16 42 29.0	2.3			
			LN	$M_S=4.3$		13.0	1.23	
			LZ	$M_S=4.5$		20.0	3.54	
CN2	14.2	309	+P	16 40 37.0	0.4			
			pP	16 40 45.0	0.3			
			S	16 43 12.0	−0.8			
			LN	$M_S=4.4$		13.0	1.20	
			LZ	$M_S=4.4$		21.0	2.40	
SNY	14.6	300	+P	16 40 44.0	1.7			
			sP	16 40 58.0	2.0			
			eS	16 43 23.0	−0.6			
			LN	$M_S=4.6$		20.0	2.54	
			LE			24.0	2.29	
			LZ	$M_S=4.4$		26.0	3.35	
DL2	15.5	288	P	16 40 56.0	3.2			
			LE	$M_S=4.3$		14.0	0.90	
SSE	16.9	260	−P	16 41 13.0	2.4			
			PMZ	$m_B=5.3$		6.0	0.84	
			PP	16 41 26.0	1.5			
			sP	16 41 29.0	4.4			
			eSS	16 44 38.0	2.5			
			LE	$M_S=4.6$		14.0	1.75	
			LZ	$M_S=4.4$		20.0	2.05	
NJ2	18.4	265	+P	16 41 30.8	0.7			
			sP	16 41 48.0	3.7			
			eS	16 44 49.0	−1.8			
			LN	$M_S=4.6$		11.0	0.69	
			LE			11.0	0.74	
			LZ	$M_S=4.5$		22.0	2.52	
TIA	19.0	279	eP	16 41 36.1	−1.3			
			LE	$M_S=4.5$		13.0	0.97	
			LZ	$M_S=4.5$		25.0	2.40	
BJI	19.8	290	eP	16 41 43.0	−2.5			
			LN	$M_S=4.4$		10.0	0.62	
			LZ	$M_S=4.4$		28.0	1.98	
QZH	21.8	247	eP	16 42 04.8	−1.3			
			LN	$M_S=4.8$		24.0	2.70	
WHN	22.6	264	eP	16 42 15.0	1.1			
			PMZ	$m_b=5.3$		0.6	0.086	
			pP	16 42 29.0	4.7			
			S	16 46 13.0	0.0			
			LN	$M_S=5.0$		14.0	0.97	
			LE			16.0	2.27	
			LZ	$M_S=4.8$		22.0	3.32	
TIY	22.7	284	eP	16 42 13.5	−1.5			
			pP	16 42 24.0	−1.3			
			S	16 46 19.0	4.2			
			LE	$M_S=4.6$		15.0	1.15	
			LZ	$M_S=4.8$		18.0	2.68	
HHC	23.3	292	−P	16 42 19.8	−1.9			
			S	16 46 22.0	−4.8			
			LN	$M_S=4.5$		11.0	0.27	
			LE			11.0	0.46	
			LZ	$M_S=4.4$		32.0	1.88	
BTO	24.5	291	P	16 42 33.0	0.0			
			pP	16 42 44.0	0.7			
			ePP	16 43 11.0	2.5			
			S	16 46 47.5	0.7			
			SS	16 47 47.0	3.8			
			LN	$M_S=4.7$		15.0	0.70	
			LE			15.0	0.80	
			LZ	$M_S=4.5$		15.0	1.00	
XAN	26.0	276	P	16 42 46.3	−0.9			
GZH	26.8	250	eP	16 42 53.0	−1.2			
LZH	29.7	282	eP	16 43 19.5	−1.1			
			PMZ	$m_b=5.6$		1.5	0.15	
			eS	16 48 13.0	0.6			
			sS	16 48 34.0	3.6			
			LE	$M_S=4.7$		20.0	1.04	
			LZ	$M_S=4.7$		26.0	2.01	
GYA	30.4	262	P	16 43 25.2	−1.5			
			sP	16 43 43.0	0.9			
			S	16 48 21.0	−1.1			
CD2	31.1	272	eP	16 43 31.4	−1.3			
			eS	16 48 35.0	1.3			
			LN	$M_S=5.0$		15.0	1.72	
			LZ	$M_S=4.8$		22.0	2.35	
QZN	31.8	247	eP	16 43 40.0	0.9			
			eS	16 48 43.0	−2.2			
			LN	$M_S=4.9$		16.0	0.91	
			LE			15.0	0.69	
GTA	32.4	289	P	16 43 43.7	−0.6			
			PMZ	$m_b=5.1$		1.0	0.033	
			sP	16 43 58.6	−1.0			
			PcP	16 46 32.6	2.2			
			LZ	$M_S=4.4$		30.0	1.09	
KMI	34.1	263	−P	16 43 58.0	−1.6			
WMQ	40.9	298	+iP	16 44 56.5	0.3			
			sP	16 45 13.0	1.2			
			PP	16 46 33.5	−0.2			
			eS	16 51 02.0	−2.7			
			LN	$M_S=4.8$		14.0	0.59	
			LZ	$M_S=4.6$		24.0	0.97	
LSA	41.7	276	−P	16 45 05.7	2.4			
KSH	50.4	295	P	16 46 13.5	1.5			

MAR 17d 17h 26m 20.8 ± 0.11s, SD0.82 / 45
58.60 N ± 0.81km, 155.72 W ± 0.67km, h152 ± 0.87km
Alaska Peninsula (12)
m_b4.6 / 1,

CN2	48.6	289	+P	17 34 51.0	−0.5			
			pP	17 35 25.0	−0.4			
BJI	56.0	292	eP	17 35 46.0	−0.3			
HHC	57.6	296	eP	17 35 57.6	0.1			
NJ2	61.0	284	+P	17 36 20.4	−0.3			
GTA	64.1	303	eP	17 36 40.8	−0.6			
			PMZ	$m_b=4.6$		0.8	0.0070	
WHN	64.4	287	eP	17 36 43.5	−0.2			
WMQ	65.3	315	P	17 36 49.0	−0.2			
CD2	69.3	295	eP	17 37 14.2	−0.2			
GYA	71.6	291	P	17 37 28.6	0.2			

MAR 17d 19h 33m 08.2 ± 0.06s, SD0.98 / 91
34.41 S ± 1.85km, 178.34 W ± 1.69km, h59 ± 0.32km
South of Kermadec Islands (179)
M_S5.8 / 28, m_B6.3 / 12, m_b6.1 / 2,

QZH	84.0	306	eP	19 45 32.0	−2.5			
			S	19 55 47.0	−4.0			
			LE	$M_S=5.8$		34.0	3.97	
GZH	86.4	301	P	19 45 46.3	−0.1			
			PMZ	$m_B=6.4$		4.0	1.52	
			S	19 56 10.0	−4.5			
QZN	86.5	296	P	19 45 46.5	0.0			
			sP	19 46 07.0	−0.8			
			S	19 56 11.5	−3.2			
			LN	$M_S=5.4$		15.0	0.70	
SSE	86.5	312	+P	19 45 46.0	−0.8			
			pP	19 46 03.0	1.0			
			sP	19 46 09.0	0.8			
			SKS	19 56 10.0	6.1			
			LN	$M_S=5.5$		16.0	0.94	
			LZ	$M_S=5.4$		20.0	1.40	
NJ2	88.6	311	+P	19 45 57.4	0.4			
			PMZ	$m_B=6.3$		4.0	1.08	
			sP	19 46 20.5	2.0			
			SKS	19 56 20.0	2.8			

			eS	19 56 35.0	−1.9			
			LZ		M_S = 5.5		22.0	1.89
WHN	90.5	307	P	19 46 06.0	0.1			
			PMZ		m_B = 6.3		4.0	0.94
			sP	19 46 30.5	3.1			
			eSKS	19 56 31.0	2.3			
			S	19 56 55.0	2.5			
			LZ		M_S = 5.7		24.0	3.49
DL2	91.7	317	+P	19 46 11.0	−0.3			
			sP	19 46 29.0	−3.8			
			SKS	19 56 39.0	3.6			
			LZ		M_S = 5.4		28.0	1.96
MDJ	91.8	326	+P	19 46 12.0	0.4			
			pP	19 46 29.0	2.0			
			SKS	19 56 38.0	2.3			
			S	19 57 04.0	0.7			
			LN		M_S = 5.8		20.0	2.28
			LZ		M_S = 5.9		24.0	5.21
TIA	92.5	313	+P	19 46 15.3	0.3			
			sP	19 46 35.3	−1.1			
			SKS	19 56 45.0	5.2			
			LN		M_S = 5.8		21.0	1.71
			LE				21.0	1.45
			LZ		M_S = 5.4		25.0	1.64
SNY	92.7	321	+iP	19 46 15.3	−0.6			
			pP	19 46 32.5	1.2			
			sP	19 46 39.4	2.0			
			SKS	19 56 45.0	3.9			
			S	19 57 06.0	−5.5			
			LN		M_S = 5.8		30.0	2.63
			LE				30.0	2.17
			LZ		M_S = 5.6		32.0	3.84
CN2	93.2	323	+iP	19 46 17.8	−0.2			
			PMZ		m_B = 6.2		6.0	0.70
			pP	19 46 34.0	0.6			
			eS	19 57 15.0	−2.3			
			LN		M_S = 5.7		20.0	1.80
			LZ		M_S = 5.9		34.0	6.80
GYA	93.3	300	P	19 46 18.8	0.0			
			pP	19 46 34.4	0.4			
			sP	19 46 42.6	2.5			
			SKS	19 56 49.0	4.6			
			S	19 57 22.0	5.3			
			LZ		M_S = 5.3		30.0	1.68
KMI	95.4	297	+P	19 46 27.5	−0.8			
			sP	19 46 49.0	−0.6			
			SKS	19 56 56.0	0.2			
			SME		m_B = 5.7		10.0	0.70
			LZ		M_S = 5.7		30.0	4.00
BJI	95.6	315	eP	19 46 29.0	0.0			
			esP	19 46 52.0	1.5			
			eSKS	19 56 58.0	1.1			
			eS	19 57 37.0	−0.8			
			LZ		M_S = 5.7		26.0	3.40
XAN	96.3	307	P	19 46 32.5	0.1			
TIY	96.3	312	eP	19 46 33.3	0.8			
			sP	19 46 52.0	−1.9			
			SKS	19 57 06.5	5.7			
			LE		M_S = 6.0		25.0	4.08
			LZ		M_S = 5.7		24.0	3.27
CD2	98.0	302	eP	19 46 40.4	0.4			
			SKS	19 57 13.0	3.0			
			S	19 57 56.0	−0.4			
			LZ		M_S = 5.7		15.0	1.77
HHC	98.8	314	eP	19 46 48.6	4.8			
			LE		M_S = 6.0		23.0	3.29
BTO	99.6	313	eP	19 46 47.0	−0.3			
			sP	19 47 08.0	−0.7			
			SKS	19 57 19.0	1.4			
			eS	19 58 11.5	−0.4			
			LN		M_S = 5.8		21.0	1.20
			LE				21.0	1.60
			LZ		M_S = 5.6		21.0	2.10
LZH	100.9	306	eP	19 46 54.0	0.7			
			PMZ		m_b = 6.0		2.5	0.079
			PP	19 51 08.5	5.6			
			PPMZ				2.0	0.14
			SKS	19 57 28.0	4.1			
			LE				1.4	0.65
			LZ		M_S = 5.7		38.0	4.60
GTA	105.4	307	eP	19 47 13.4	0.3			
			SKS	19 57 47.0	2.2			
			LZ		M_S = 5.5		26.0	1.99
WMQ	115.4	307	−PKP	19 51 44.9	0.7			
			PP	19 52 52.0	2.2			
			SS	20 08 42.0	2.0			
			LE		M_S = 5.6		10.0	0.47
KSH	122.0	299	PKP	19 51 59.0	2.1			
			LE		M_S = 5.8		20.0	1.40
			LZ		M_S = 5.9		22.0	2.90

MAR 18d 06h 49m 53.6 ± 0.06s, SD1.22 / 35
2.35 N ± 1.04km, 126.55 E ± 1.62km, h85 ± 0.18km
Molucca Passage (266)

QZN	23.3	317	eP	06 54 56.2	1.5			
XAN	35.6	334	P	06 56 42.5	−2.5			
BJI	38.7	347	eP	06 57 11.0	0.1			
SNY	39.4	357	eP	06 57 17.6	0.7			
CN2	41.3	359	eP	06 57 32.0	−0.5			

MAR 18d 08h 39m 57.0 ± 0.05s, SD1.20 / 17
36.53 N ± 0.70km, 70.80 E ± 0.74km, h160 ± 0.38km
Hindu Kush region (718)

KSH	5.0	52	P	08 41 15.0	3.0			
			S	08 42 13.0	3.5			
			SMN				0.3	0.50
			SME				0.7	1.10
WMQ	14.8	55	eP	08 43 19.1	−0.9			
			sP	08 44 03.3	1.2			
			eS	08 46 00.0	−0.4			

MAR 18d 09h 36m 35.1 ± 0.07s, SD0.76 / 80
18.38 N ± 0.87km, 145.41 E ± 1.30km, h442 ± 0.23km
Marianas region (215)
m_b4.9 / 6,

SSE	25.3	305	−P	09 41 25.5	−1.1			
			PMZ		m_b = 4.5		1.0	0.022
			eS	09 45 16.0	−4.8			
QZH	25.7	289	−P	09 41 29.5	−0.9			
MDJ	29.3	337	eP	09 42 02.0	0.1			
SNY	29.9	326	eP	09 42 03.4	−3.4			
CN2	30.4	331	eP	09 42 11.5	0.2			
TIA	30.6	311	eP	09 42 12.9	−0.2			
WHN	30.7	299	eP	09 42 12.5	−0.9			
BJI	33.2	317	eP	09 42 34.0	−0.9			
			eS	09 47 22.0	−1.4			
			esS	09 49 48.0	1.8			
			eSS	09 50 08.0	0.6			
QZN	33.7	277	eP	09 42 39.9	0.8			
			eS	09 47 31.5	0.5			
			SS	09 50 17.0	0.0			
TIY	34.6	311	eP	09 42 48.1	0.7			
			S	09 47 46.0	1.0			
XAN	36.0	303	P	09 42 58.3	−0.8			
GYA	36.6	290	P	09 43 04.2	0.4			
			PcP	09 45 16.4	0.6			

			S	09 48 14.2	−0.3			
BTO	37.6	314	eP	09 43 12.0	0.2			
CD2	39.6	296	eP	09 43 29.0	0.3			
LZH	40.6	304	−iP	09 43 38.0	1.4			
			PMZ	$m_b = 5.5$		1.0	0.19	
GTA	44.5	308	eP	09 44 08.2	0.4			
			PMZ	$m_b = 4.6$		0.6	0.016	
			PcP	09 45 42.0	0.2			
WMQ	54.3	311	−P	09 45 20.8	−0.2			
			PcP	09 46 18.0	0.2			
			S	09 52 24.0	0.9			
			SMN			2.0	0.030	
KSH	62.9	306	P	09 46 20.1	1.1			

MAR 18d 11h 11m 11.5 ± 0.05s, SD0.86 / 37
51.28 N ± 2.31km, 178.29 W ± 1.06km, h30 ± 0.77km
Andreanof Islands (7)
m_b5.2 / 2,

CN2	37.9	281	eP	11 18 26.5	−1.5			
SNY	40.1	280	eP	11 18 47.6	1.2			
BJI	45.7	283	eP	11 19 32.5	0.5			
XAN	54.0	281	P	11 20 35.0	−0.6			
LZH	55.7	287	eP	11 20 49.5	1.3			
			PMZ	$m_b = 5.2$		1.5	0.044	
GTA	55.9	292	+iP	11 20 49.4	−0.1			
			PMZ	$m_b = 5.2$		1.0	0.030	

MAR 18d 11h 37m 57.9 ± 0.11s, SD1.62 / 49
45.80 N ± 2.67km, 151.80 E ± 2.09km, h38 ± 0.68km
Kurile Islands (221)
m_b5.1 / 3,

MDJ	15.7	274	eP	11 41 40.5	2.4			
CN2	18.8	273	+iP	11 42 15.5	−1.2			
			pP	11 42 23.5	−1.3			
			eS	11 45 41.0	−0.3			
SNY	20.7	269	eP	11 42 36.2	−1.4			
BJI	26.6	270	eP	11 43 36.0	1.4			
			LZ	$M_S = 3.9$		20.0	0.30	
TIA	27.7	262	eP	11 43 44.1	−0.7			
SSE	27.9	249	eP	11 43 43.0	−3.9			
NJ2	28.8	253	+P	11 43 55.8	0.5			
			LZ	$M_S = 3.9$		22.0	0.31	
TIY	30.2	269	eP	11 44 10.7	3.2			
			LZ	$M_S = 4.3$		15.0	0.47	
WHN	32.8	255	eP	11 44 29.0	−1.3			
XAN	34.5	265	P	11 44 44.0	−1.2			
LZH	37.0	272	eP	11 45 06.0	−0.4			
			PMZ	$m_b = 5.1$		1.5	0.044	
GTA	38.2	279	eP	11 45 17.6	1.1			
			PMZ	$m_b = 4.6$		1.0	0.010	
			PcP	11 47 31.0	0.9			
CD2	39.9	265	eP	11 45 30.0	−0.3			
GYA	40.6	257	P	11 45 36.2	−0.2			
KMI	44.2	259	+P	11 46 05.5	0.0			
LSA	49.4	273	+P	11 46 47.9	0.9			

MAR 18d 13h 37m 48.5 ± 0.08s, SD0.76 / 53
23.66 S ± 1.16km, 178.95 E ± 1.10km, h533 ± 0.51km
South of Fiji (171)
m_b4.9 / 5,

SSE	77.6	312	eP	13 48 52.0	0.5			
			PMZ	$m_b = 4.2$		1.0	0.012	
			S	13 57 57.0	−1.9			
NJ2	79.8	312	+P	13 49 03.3	0.3			
			PMZ	$m_b = 4.5$		1.0	0.020	
			S	13 58 20.0	−1.3			
MDJ	81.5	327	+iP	13 49 12.7	0.6			
			S	13 58 40.0	1.0			
WHN	82.1	308	eP	13 49 15.0	0.1			
SNY	82.9	322	eP	13 49 18.7	−0.1			
CN2	83.1	324	−P	13 49 20.0	−0.1			
			PMZ			3.0	0.30	
			epP	13 51 16.0	0.8			
			S	13 58 56.0	1.4			
TIA	83.4	314	eP	13 49 20.2	−1.2			
BJI	86.2	317	eP	13 49 35.0	0.0			
			eSKS	13 59 07.5	−1.0			
			eS	13 59 24.0	−1.5			
XAN	87.8	309	P	13 49 42.5	−0.4			
HHC	89.6	316	+P	13 49 52.0	1.0			
			SKS	13 59 29.0	−0.2			
CD2	90.1	304	eP	13 49 54.5	0.9			
BTO	90.4	315	eP	13 49 55.6	0.6			
LZH	92.5	308	eP	13 50 05.5	1.1			
			PMZ	$m_b = 5.2$		1.0	0.031	
GTA	96.8	310	P	13 50 24.7	0.6			
			PMZ	$m_b = 4.9$		1.0	0.010	

MAR 18d 14h 34m 10.3 ± 0.09s, SD1.37 / 30
17.94 N ± 1.13km, 146.71 E ± 2.23km, h67 ± 0.68km
Marianas (216)
M_S4.2 / 1,

SNY	30.9	325	−P	14 40 23.0	−0.6			
CN2	31.4	330	eP	14 40 28.0	0.4			
			epP	14 40 46.0	2.6			
			eS	14 45 31.0	1.5			
			LZ	$M_S = 4.3$		18.0	0.60	
BJI	34.3	316	eP	14 40 51.5	−1.6			
			eS	14 46 19.0	3.8			
			LZ	$M_S = 4.0$		20.0	0.30	
QZN	34.9	278	eP	14 40 57.5	−0.8			
			eS	14 46 28.0	3.5			
GYA	37.9	290	P	14 41 26.2	2.8			
WMQ	55.5	311	−P	14 43 42.4	0.8			

MAR 18d 21h 27m 38.7 ± 0.07s, SD1.47 / 26
39.18 N ± 1.60km, 23.43 E ± 1.13km, h11 ± 0.21km
Greece (364)
m_b4.6 / 1,

WMQ	47.3	63	P	21 36 16.2	1.4			
GTA	57.3	63	eP	21 37 28.8	−1.3			
			PMZ	$m_b = 4.6$		0.8	0.0070	
XAN	66.3	65	P	21 38 31.3	0.9			
BJI	68.0	56	eP	21 38 40.5	−0.3			
CN2	71.5	48	eP	21 39 03.0	0.5			

MAR 18d 22h 46m 39.1 ± 0.06s, SD1.02 / 38
50.60 N ± 2.11km, 156.76 E ± 1.12km, h34 ± 0.15km
Kurile Islands (221)

MDJ	19.2	262	+iP	22 51 03.2	−0.1
CN2	22.2	264	eP	22 51 33.0	−1.6
BJI	30.1	265	eP	22 52 46.5	−1.4
WHN	37.3	254	eP	22 53 50.1	−0.1
GYA	44.9	257	P	22 54 53.0	−0.2
WMQ	45.9	290	P	22 55 00.6	0.0

MAR 19d 00h 05m 34.7 ± 0.09s, SD3.51 / 9
39.52 N ± 0.90km, 94.86 E ± 1.02km, h13 ± 0.23km
Gansu Province (322)
M_L3.4 / 8,

GTA	3.8	90	Pn	00 06 35.0	1.0			
			Pg	00 06 41.2	−1.2			
			Sg	00 07 28.3	−6.6			
			SMN	$M_L = 3.1$		0.5	0.050	
			SME			0.5	0.043	
WMQ	6.9	311	ePn	00 07 20.1	4.6			

		Sn	00 08 35.6	−0.2			
		Sg	00 09 08.8	−0.9			
		SMN	$M_L = 3.8$		0.6	0.050	
		SME			0.8	0.050	

MAR 19d 00h 33m 21.7 ± 0.08s, SD0.79 / 62
12.75 N ± 0.76km, 143.50 E ± 0.93km, h110 ± 0.41km
South of the Marianas (210)
m_b4.7 / 1,

WHN	32.2	308	eP	00 39 40.5	−1.4		
BJI	36.3	323	eP	00 40 16.5	−0.2		
GYA	37.1	297	P	00 40 25.0	1.0		
TIY	37.2	317	−P	00 40 25.4	0.8		
			sS	00 46 48.0	1.9		
			LN			18.0	0.95
			LZ			22.0	0.65
XAN	37.9	310	P	00 40 29.8	−0.3		
KMI	40.3	294	eP	00 40 51.5	1.1		
BTO	40.4	320	eP	00 40 51.0	0.2		
CD2	40.8	303	eP	00 40 54.6	0.3		
LZH	42.5	310	eP	00 41 09.5	1.0		
GTA	46.7	313	eP	00 41 41.6	−0.6		
			PMZ	$m_b = 4.7$		0.8	0.0080
LSA	51.2	298	P	00 42 17.5	0.7		
WMQ	56.7	314	eP	00 42 57.0	−0.1		

MAR 19d 01h 29m 35.5 ± 0.25s, SD2.71 / 41
37.97 S ± 5.68km, 93.63 W ± 6.17km, h7 ± 1.21km
West Chile Rise (686)

MDJ	147.2	296	ePKP	01 49 18.5	0.2		
CN2	150.1	294	ePKP	01 49 20.0	−3.0		
SSE	150.6	267	PKP	01 49 28.5	4.8		
SNY	151.3	290	ePKP	01 49 29.6	4.8		
DL2	152.5	283	ePKP	01 49 32.5	6.0		
TIA	155.5	275	ePKP	01 49 29.0	−1.5		
WHN	155.8	261	ePKP	01 49 35.0	4.1		
BJI	156.8	284	ePKP	01 49 30.0	−2.3		
LZH	165.9	268	ePKP	01 49 41.5	−0.8		
GTA	169.4	282	ePKP	01 49 43.0	−1.5		
KSH	171.7	76	ePKP	01 49 44.0	−1.9		
WMQ	174.1	351	PKP	01 49 46.0	−0.8		
			ePP	01 55 08.5	−3.1		

MAR 19d 02h 38m 51.1 ± 0.10s, SD1.13 / 73
1.58 N ± 0.96km, 126.63 E ± 1.35km, h69 ± 0.94km
Molucca Passage (266)
m_b5.1 / 2,

QZN	23.9	318	+P	02 43 59.6	0.0		
QZH	24.5	342	eP	02 44 05.0	−0.3		
WHN	31.1	339	eP	02 45 04.5	−0.7		
NJ2	31.2	347	+P	02 45 07.2	1.0		
GYA	31.3	324	P	02 45 06.8	−0.6		
KMI	32.9	317	+P	02 45 21.5	0.5		
			eS	02 50 37.0	4.2		
TIA	35.6	347	eP	02 45 43.5	−0.6		
XAN	36.3	335	+iP	02 45 49.6	−0.6		
CD2	36.3	326	eP	02 45 49.7	−0.9		
DL2	37.4	354	eP	02 46 01.4	1.7		
TIY	38.3	342	−P	02 46 07.0	0.3		
SNY	40.2	356	eP	02 46 23.5	1.1		
LZH	40.3	331	eP	02 46 24.5	0.7		
			PMZ	$m_b = 5.4$		1.0	0.058
HHC	41.4	343	eP	02 46 31.6	−1.2		
BTO	41.7	341	eP	02 46 36.4	1.5		
CN2	42.1	359	eP	02 46 38.0	0.0		
MDJ	42.9	3	eP	02 46 46.0	0.8		
LSA	43.8	313	P	02 46 53.8	1.1		
GTA	44.9	330	P	02 47 00.0	−1.2		
			PMZ	$m_b = 4.8$		0.8	0.012
WMQ	54.4	326	P	02 48 13.0	−1.1		
KSH	59.5	316	eP	02 48 52.0	1.6		
			eS	02 56 53.0	−0.6		

MAR 19d 05h 36m 58.0 ± 0.10s, SD0.91 / 89
39.24 N ± 1.17km, 23.41 E ± 1.38km, h8 ± 0.18km
Greece (364)
M_S5.5 / 30, m_B5.9 / 3, m_b5.4 / 5,

KSH	40.1	72	eP	05 44 35.5	−0.9		
			S	05 50 43.0	1.2		
			LN	$M_S = 5.5$		9.0	1.90
			LZ	$M_S = 5.4$		12.0	3.10
WMQ	47.3	63	P	05 45 34.1	−0.2		
			PP	05 47 26.5	2.3		
			S	05 52 32.0	5.9		
			SS	05 55 52.0	5.3		
			LN	$M_S = 5.8$		11.0	2.75
			LE			10.0	1.69
			LZ	$M_S = 5.3$		18.0	2.85
LSA	55.5	78	P	05 46 36.1	−0.7		
GTA	57.3	63	eP	05 46 48.6	−1.1		
			PMZ	$m_b = 5.4$		1.2	0.059
			S	05 54 44.0	0.6		
			sS	05 54 51.8	−1.5		
			LN	$M_S = 5.4$		12.0	1.03
			LZ	$M_S = 5.0$		18.0	1.22
LZH	61.7	65	eP	05 47 20.5	0.6		
			PMZ	$m_b = 5.6$		1.5	0.11
			eS	05 55 44.0	2.4		
			SMN	$m_B = 5.7$		5.0	0.46
			LN	$M_S = 5.3$		11.0	0.55
			LE			13.0	0.56
			LZ	$M_S = 5.1$		24.0	1.67
BTO	63.7	58	P	05 47 34.0	1.1		
			pP	05 47 39.0	0.9		
			ePP	05 49 54.0	0.3		
			S	05 56 11.0	6.1		
			LN	$M_S = 5.6$		12.0	0.90
			LE			12.0	1.10
			LZ	$M_S = 5.2$		12.0	1.00
CD2	64.3	70	eP	05 47 36.0	−0.8		
			S	05 56 15.0	2.7		
			LE	$M_S = 5.2$		10.0	0.51
HHC	64.6	57	−iP	05 47 38.0	−0.7		
			pP	05 47 46.0	2.1		
			S	05 56 14.6	−1.2		
			LN	$M_S = 5.7$		13.0	1.86
			LE			13.0	1.27
			LZ	$M_S = 5.4$		20.0	2.65
XAN	66.3	65	+iP	05 47 50.5	0.5		
			S	05 56 40.5	3.1		
			LE	$M_S = 5.5$		13.0	1.25
KMI	66.6	76	eP	05 47 52.0	−0.2		
			S	05 56 44.0	2.7		
			LZ	$M_S = 5.2$		25.0	1.70
TIY	66.8	60	P	05 47 53.5	0.6		
			S	05 56 49.0	6.1		
			LN	$M_S = 5.5$		16.0	1.63
			LZ	$M_S = 5.5$		17.0	2.64
BJI	68.0	56	eP	05 48 00.0	−0.4		
			eS	05 57 00.0	1.4		
			LN	$M_S = 5.6$		10.0	0.96
			LE			10.0	0.75
			LZ	$M_S = 5.4$		16.0	1.80
GYA	68.8	73	P	05 48 05.6	−0.3		
			S	05 57 06.0	−1.5		
TIA	70.7	59	eP	05 48 16.7	−0.7		

			eS	05 57 31.0	−0.3		
			LN	$M_S = 5.6$		13.0	0.84
			LE			15.0	1.42
CN2	71.5	48	+P	05 48 21.8	−0.2		
			epP	05 48 26.0	−1.2		
			eS	05 57 40.0	−0.1		
			LE	$M_S = 5.6$		12.0	1.30
			LZ	$M_S = 5.6$		13.0	2.50
SNY	71.6	51	eP	05 48 21.6	−0.8		
			pP	05 48 26.6	−1.0		
			S	05 57 38.0	−1.5		
			LN	$M_S = 5.8$		15.0	1.75
			LE			13.0	1.29
			LZ	$M_S = 5.5$		20.0	2.66
WHN	72.1	65	−P	05 48 25.0	−0.5		
			pP	05 48 29.0	−1.7		
			S	05 57 45.0	−0.4		
			SMN	$m_B = 6.1$		6.0	0.64
			SME			6.0	0.60
			LN	$M_S = 5.5$		12.0	0.73
			LE			12.0	0.73
			LZ	$M_S = 5.2$		20.0	1.27
MDJ	73.4	46	eP	05 48 34.5	1.5		
			S	05 58 00.0	0.2		
			LN	$M_S = 5.9$		14.0	2.53
			LZ	$M_S = 5.8$		15.0	3.92
NJ2	74.3	61	+P	05 48 39.2	0.6		
			S	05 58 12.5	1.8		
			LN	$M_S = 5.5$		14.0	0.62
			LE			12.0	0.71
QZN	75.5	77	eP	05 48 47.0	1.4		
			S	05 58 29.0	4.9		
			LE	$M_S = 5.3$		13.0	0.60

MAR 19d 12h 12m 34.0 ± 0.07s, SD0.95 / 99
52.45 N ± 1.62km, 154.72 E ± 1.10km, h356 ± 0.06km
North-west of Kurile Islands (220)
m_B5.0 / 1, m_b5.3 / 6,

MDJ	18.3	255	+iP	12 16 25.4	0.0		
			sP	12 17 57.0	−2.0		
			S	12 19 32.0	0.1		
CN2	21.3	258	−iP	12 16 53.6	−0.5		
			PMZ			3.0	0.50
			esP	12 18 34.0	−1.0		
			S	12 20 24.0	0.8		
			SMN	$m_B = 5.0$		5.0	0.50
SNY	23.5	256	−P	12 17 15.2	−0.1		
			eS	12 21 00.0	−1.9		
DL2	26.5	253	eP	12 17 42.0	−0.6		
BJI	29.0	260	eP	12 18 04.0	−0.9		
			eScP	12 24 09.5	0.5		
			eScS	12 28 01.0	−1.7		
HHC	31.4	266	eP	12 18 24.0	−1.1		
SSE	32.4	242	+P	12 18 35.2	1.1		
			PMZ	$m_b = 4.7$		1.0	0.032
BTO	32.5	267	P	12 18 34.0	−0.4		
TIY	32.8	260	−P	12 18 37.4	0.2		
			eS	12 23 28.0	−0.4		
NJ2	33.0	246	+P	12 18 38.4	−0.4		
WHN	36.7	249	P	12 19 09.5	−0.3		
XAN	37.4	259	P	12 19 15.0	−0.6		
QZH	38.7	239	eP	12 19 27.0	0.4		
LZH	39.1	266	−iP	12 19 31.0	1.3		
			PMZ	$m_b = 5.4$		1.0	0.17
GTA	39.4	273	−iP	12 19 33.2	0.6		
			ScP	12 24 46.0	0.3		
			S	12 25 08.0	0.6		
			ScS	12 28 58.0	0.0		

CD2	42.7	260	eP	12 19 58.2	−0.6		
WMQ	44.1	287	+iP	12 20 11.2	1.1		
			PcP	12 21 50.0	1.6		
			S	12 26 17.0	2.2		
GYA	44.2	253	P	12 20 10.4	−0.7		
			PcP	12 21 48.2	−0.6		
			ScP	12 25 05.0	0.3		
			S	12 26 15.6	−0.9		
KMI	47.5	256	−P	12 20 36.0	−1.0		
QZN	48.2	244	eP	12 20 43.2	1.1		
LSA	51.2	270	P	12 21 05.7	0.7		
KSH	53.6	290	P	12 21 22.0	−0.5		
			epP	12 22 32.0	−4.2		
			eS	12 28 27.0	−1.0		

MAR 19d 15h 09m 14.0 ± 0.07s, SD1.99 / 55
44.96 N ± 2.42km, 148.45 E ± 1.95km, h65 ± 1.11km
Kurile Islands (221)
m_b5.1 / 3,

MDJ	13.4	275	eP	15 12 22.0	−1.2		
CN2	16.5	274	+P	15 13 00.4	−2.3		
SNY	18.3	269	eP	15 13 23.0	−2.4		
DL2	20.8	263	eP	15 13 50.3	−2.2		
BJI	24.2	270	eP	15 14 23.5	−2.4		
TIA	25.2	261	P	15 14 34.6	−1.1		
NJ2	26.3	251	+P	15 14 46.0	−0.2		
TIY	27.8	268	eP	15 15 01.0	1.2		
BTO	28.4	275	eP	15 15 02.0	−2.7		
WHN	30.3	253	P	15 15 21.0	−0.9		
XAN	32.1	264	P	15 15 35.0	−2.7		
LZH	34.7	271	eP	15 15 58.0	−2.1		
			PMZ	$m_b = 5.1$		1.5	0.044
GTA	36.0	279	+iP	15 16 09.3	−2.2		
			PMZ	$m_b = 4.7$		1.0	0.014
CD2	37.5	264	eP	15 16 21.8	−1.7		
GYA	38.1	255	P	15 16 27.6	−1.5		
KMI	41.7	257	−P	15 16 58.0	−0.7		
WMQ	42.5	291	eP	15 17 03.5	−1.9		

MAR 19d 19h 09m 01.5 ± 0.15s, SD3.09 / 12
24.26 N ± 1.29km, 103.75 E ± 0.86km, h23 ± 0.37km
Yunnan Province (318)
M_L3.5 / 5,

KMI	1.3	313	−Pg	19 09 20.0	−4.2		
			Sg	19 09 41.0	−0.3		
			SMN	$M_L = 3.4$		1.5	0.60
			SME			1.5	0.70
			LE			4.0	1.90
GYA	3.4	50	Pn	19 09 55.6	1.4		
			Sg	19 10 45.6	−3.5		
			SMN	$M_L = 3.4$		0.8	0.12
			SME			0.8	0.10
QZN	7.7	131	ePn	19 10 56.0	3.3		
			eSn	19 12 21.8	0.3		

MAR 19d 22h 46m 20.9 ± 0.08s, SD2.57 / 8
40.27 N ± 0.91km, 96.29 E ± 0.70km, h8 ± 0.64km
Gansu Province (322)
M_L3.5 / 6,

GTA	2.8	106	Pn	22 47 07.6	0.4		
			Pg	22 47 09.4	−1.7		
			Sn	22 47 42.0	−1.4		
			Sg	22 47 45.0	−5.0		
			SMN	$M_L = 3.2$		0.7	0.12
			SME			0.5	0.076
WMQ	7.3	302	ePn	22 48 11.6	3.1		
			Sn	22 49 34.7	0.7		
			Sg	22 50 11.4	1.5		

			SMN	$M_L = 3.5$		0.8	0.020
			SME			0.6	0.020

MAR 20d 01h 06m 32.0 ± 0.05s, SD0.69 / 106
59.91 N ± 1.05km, 153.80 W ± 0.60km, h126 ± 0.44km
Southern Alaska (2)
m_B5.7 / 2, m_b6.1 / 16,

MDJ	46.5	287	+P	01 14 48.8	−0.3			
CN2	49.1	289	+iP	01 15 09.4	0.1			
			PMZ	$m_B = 6.2$		4.0	1.30
			epP	01 15 42.0	4.0			
			eS	01 22 04.0	0.1			
SNY	51.5	289	+iP	01 15 27.6	0.2			
			sP	01 16 11.0	0.1			
			eS	01 22 38.0	1.1			
DL2	54.7	288	P	01 15 51.0	−0.1			
BJI	56.4	293	+P	01 16 03.5	0.3			
			esP	01 16 50.0	3.0			
			eS	01 23 40.0	−2.6			
HHC	57.9	297	+iP	01 16 14.1	0.5			
BTO	58.8	298	+iP	01 16 19.8	0.0			
TIA	59.0	289	+P	01 16 20.7	−0.9			
TIY	60.0	294	+iP	01 16 28.0	−0.3			
			PMZ	$m_b = 6.0$		1.0	0.21
			S	01 24 33.0	4.7			
			sS	01 25 24.0	2.7			
			LN			15.0	0.46
			LZ			20.0	0.63
SSE	61.2	283	−P	01 16 36.4	0.0			
			PMZ	$m_b = 5.9$		1.3	0.24
			epP	01 17 10.0	3.6			
NJ2	61.6	285	+P	01 16 38.6	−0.3			
			PMZ	$m_b = 6.4$		2.0	1.11
			pP	01 17 11.2	2.4			
GTA	64.2	304	+iP	01 16 55.9	−0.1			
			PMZ	$m_b = 5.7$		1.0	0.10
			S	01 25 21.3	1.0			
XAN	64.6	294	+iP	01 16 58.5	−0.6			
WHN	65.0	288	+iP	01 17 01.4	0.1			
			PMZ	$m_b = 6.2$		1.0	0.35
WMQ	65.1	315	+iP	01 17 02.2	0.4			
			PMZ	$m_b = 5.5$		1.5	0.10
			PcP	01 17 32.0	−0.5			
			S	01 25 32.0	0.6			
			ScS	01 26 35.0	−4.8			
LZH	65.2	299	+iP	01 17 02.5	−0.5			
			PMZ	$m_b = 6.7$		1.5	1.66
QZH	67.6	281	eP	01 17 16.8	−0.9			
CD2	69.6	296	+iP	01 17 30.0	−0.4			
GZH	71.7	284	+P	01 17 42.8	−0.1			
GYA	72.1	292	P	01 17 45.0	−0.1			
			S	01 26 56.6	2.3			
KSH	72.8	322	P	01 17 50.0	0.4			
			S	01 27 04.0	1.2			
			sS	01 28 04.0	6.3			
KMI	75.0	294	+P	01 18 02.0	−0.4			
			S	01 27 28.0	0.7			
			sS	01 28 27.0	4.3			
LSA	76.1	306	P	01 18 10.0	1.2			
QZN	76.9	285	eP	01 18 13.2	0.6			

MAR 20d 02h 36m 49.6 ± 0.10s, SD1.62 / 101
24.27 N ± 1.60km, 125.29 E ± 1.47km, h31 ± 0.45km
South−western Ryukyu Islands (246)
M_S5.1 / 48, M_L4.7 / 11, m_B5.3 / 4,

QZH	6.1	278	eP	02 38 18.8	−1.7			
			SMN	$M_L = 4.9$		1.5	0.82
			SME			1.5	0.75
			LN	$M_S = 4.6$		12.0	1.65
			LE			12.0	7.10
			LZ	$M_S = 4.6$		16.0	8.32
SSE	7.7	333	eP	02 38 42.3	−0.3			
			SMN	$M_L = 4.7$		1.2	0.22
			SME			1.5	0.32
			LN	$M_S = 4.9$		12.0	7.08
			LE			12.0	6.33
			LZ	$M_S = 4.8$		16.0	9.80
NJ2	9.6	325	eP	02 39 09.0	0.1			
			sP	02 39 19.0	−1.3			
			S	02 41 00.0	3.3			
			LN	$M_S = 5.0$		13.0	7.02	
			LE			11.0	4.62	
GZH	11.0	266	eP	02 39 27.5	−0.8			
			eS	02 41 29.4	−2.1			
			LN	$M_S = 5.1$		14.0	5.22	
			LE			16.0	10.7	
WHN	11.6	305	+P	02 39 37.0	1.5			
			PMZ	$m_b = 5.0$		0.9	0.025	
			pP	02 39 44.0	1.7			
			eS	02 41 44.0	−0.6			
			SS	02 42 02.0	3.5			
			LN	$M_S = 5.1$		12.0	4.39	
			LE			12.0	6.10	
			LZ	$M_S = 5.1$		16.0	13.2	
TIA	13.8	331	eP	02 40 09.8	3.9			
			LN	$M_S = 5.1$		14.0	6.30	
			LE			14.0	4.53	
			LZ	$M_S = 5.0$		14.0	7.54	
DL2	14.9	349	eP	02 40 22.0	1.8			
			eS	02 43 10.0	4.7			
			LN	$M_S = 5.0$		11.0	3.40	
			LE			11.0	2.40	
			LZ	$M_S = 4.8$		12.0	3.40	
QZN	15.3	253	eP	02 40 28.0	3.1			
			eS	02 43 17.0	3.2			
			LN	$M_S = 4.9$		21.0	3.70	
			LE			23.0	3.90	
GYA	17.0	281	P	02 40 49.0	2.3			
			sP	02 41 01.0	2.7			
			S	02 43 55.0	2.3			
			LE	$M_S = 5.1$		13.0	4.68	
			LZ	$M_S = 4.6$		18.0	3.00	
XAN	17.3	308	−P	02 40 51.6	1.2			
			S	02 44 06.0	6.5			
			LN	$M_S = 5.3$		13.0	3.29	
			LE			14.0	7.13	
TIY	17.3	324	+iP	02 40 53.0	2.0			
			sP	02 41 03.5	0.9			
			LN	$M_S = 5.2$		14.0	6.47	
			LZ	$M_S = 5.2$		15.0	8.76	
BJI	17.5	336	eP	02 40 54.0	1.0			
			PMZ	$m_B = 5.3$		4.0	0.65	
			epP	02 41 02.0	1.7			
			eS	02 44 06.0	0.9			
			LN	$M_S = 5.1$		13.0	4.40	
			LE			13.0	2.10	
			LZ	$M_S = 5.1$		16.0	6.70	
SNY	17.6	356	−iP	02 40 54.9	1.0			
			sP	02 41 05.0	−0.7			
			eS	02 44 08.0	1.4			
			LN	$M_S = 5.0$		11.0	2.92	
			LZ	$M_S = 5.0$		16.0	6.38	
CN2	19.5	0	+P	02 41 16.0	−1.0			
			pP	02 41 24.0	−0.5			
			eS	02 44 50.0	0.3			
			LE	$M_S = 4.9$		12.0	2.00	

HHC	20.1	328	+P	02 41 23.2	−1.1			
			pP	02 41 29.0	−3.2			
			S	02 45 04.0	0.8			
			LN	$M_S = 5.3$		13.0	4.88	
			LE			13.0	3.41	
			LZ	$M_S = 4.9$		21.0	5.67	
CD2	20.2	294	eP	02 41 23.0	−1.7			
			eS	02 45 03.0	−2.1			
			LE	$M_S = 5.1$		13.0	3.88	
			LZ	$M_S = 5.0$		14.0	4.59	
MDJ	20.6	9	eP	02 41 30.5	1.6			
			LE	$M_S = 4.9$		12.0	1.82	
			LZ	$M_S = 4.5$		25.0	2.37	
BTO	20.7	325	+iP	02 41 30.0	−0.3			
			sP	02 41 44.5	2.0			
			S	02 45 15.0	0.6			
			LN	$M_S = 5.4$		14.0	5.10	
			LE			14.0	4.20	
			LZ	$M_S = 5.2$		14.0	6.20	
LZH	21.9	307	+P	02 41 42.0	−0.5			
			PMZ	$m_b = 5.2$		1.5	0.18	
			sP	02 41 56.0	1.3			
			eS	02 45 36.0	−2.1			
			SME	$m_B = 5.3$		6.0	0.58	
			LN	$M_S = 5.3$		12.0	2.20	
			LE			15.0	4.20	
			LZ	$M_S = 5.2$		16.0	7.10	
GTA	26.3	311	+iP	02 42 22.5	−2.0			
			PMZ	$m_b = 5.3$		1.0	0.067	
			sS	02 47 08.0	0.7			
			LE	$M_S = 5.3$		12.0	3.32	
			LZ	$M_S = 5.0$		16.0	3.60	
LSA	30.8	288	P	02 43 06.2	0.3			
			S	02 48 08.8	3.6			
			LE	$M_S = 5.0$		14.0	1.50	
WMQ	36.3	312	−P	02 43 52.0	−1.1			
			sP	02 44 06.0	0.3			
			S	02 49 30.0	−0.8			
			LN	$M_S = 5.3$		12.0	1.44	
			LE			12.0	1.22	
			LZ	$M_S = 5.2$		16.0	3.00	
KSH	44.0	302	eP	02 44 59.0	2.0			
			pP	02 45 08.0	2.2			
			eS	02 51 30.0	2.7			
			LE	$M_S = 5.6$		14.0	3.50	

MAR 20d 10h 41m 10.1 ± 0.19s, SD1.92 / 32
2.45 N ± 3.86km, 84.50 W ± 2.31km, h5 ± 1.63km
Off coast of Ecuador (104)

WMQ	133.4	8	PKP	11 00 29.0	0.0			
BJI	133.7	338	ePKP	11 00 30.0	0.7			
GTA	138.2	355	ePKP	11 00 36.4	−1.4			
NJ2	139.2	329	+PKP	11 00 42.4	3.0			
XAN	141.6	342	PKP	11 00 44.8	1.0			
WHN	142.6	333	ePKP	11 00 42.5	−2.9			
CD2	145.9	347	ePKP	11 00 52.5	1.2			
GYA	149.3	340	PKP	11 00 58.6	1.7			
KMI	151.7	346	+PKP	11 01 02.0	1.3			

MAR 20d 12h 55m 57.4 ± 0.08s, SD2.24 / 15
40.65 N ± 0.99km, 103.74 E ± 0.77km, h20 ± 0.59km
Northern China (323)
M_L4.1 / 14,

GTA	3.3	249	+iPg	12 56 56.6	1.4			
			Sn	12 57 30.0	2.1			
			Sg	12 57 38.2	−1.3			
			SMN	$M_L = 3.4$		0.8	0.13	
			SME			0.6	0.11	
LZH	4.6	179	ePn	12 57 04.0	−2.0			
			Pg	12 57 17.5	−0.4			
			SMN	$M_L = 3.8$		0.5	0.11	
			SME			0.5	0.21	
BTO	4.8	89	Pn	12 57 09.0	0.0			
			Pg	12 57 22.8	1.0			
			Sn	12 58 04.0	−1.7			
			Sg	12 58 24.4	−2.9			
			SMN	$M_L = 3.6$		0.6	0.090	
			SME			0.6	0.060	
HHC	5.9	86	Pn	12 57 27.2	2.2			
			Pg	12 57 43.4	1.0			
			Sg	12 59 04.0	0.2			
			SMN	$M_L = 4.1$		0.6	0.16	
			SME			0.6	0.13	
TIY	7.4	111	ePg	12 58 10.1	2.5			
			SMN	$M_L = 4.1$		0.8	0.080	
			SME			0.7	0.050	
XAN	7.8	146	Pg	12 58 12.9	−2.1			
			SMN	$M_L = 3.6$		1.0	0.020	
			SME			1.0	0.020	

MAR 20d 15h 15m 24.7 ± 0.08s, SD0.91 / 58
2.28 N ± 0.78km, 126.67 E ± 1.10km, h95 ± 0.55km
Molucca Passage (266)
m_b4.6 / 1,

QZN	23.4	316	eP	15 20 27.0	0.8			
WHN	30.4	339	eP	15 21 31.6	0.8			
KMI	32.4	317	−P	15 21 49.0	1.1			
XAN	35.7	334	P	15 22 14.6	−1.5			
CD2	35.8	325	eP	15 22 15.3	−1.7			
TIY	37.6	341	eP	15 22 32.4	0.1			
			pP	15 22 57.0	3.1			
			S	15 28 17.0	3.2			
BJI	38.8	347	eP	15 22 42.0	0.1			
LZH	39.7	331	eP	15 22 49.5	−0.5			
HHC	40.7	342	eP	15 22 59.4	1.0			
CN2	41.4	359	eP	15 23 03.0	−0.3			
MDJ	42.2	3	eP	15 23 10.7	0.2			
LSA	43.4	313	P	15 23 21.0	0.9			
GTA	44.3	330	eP	15 23 26.8	−0.7			
			PMZ	$m_b = 4.6$		0.7	0.0070	
WMQ	53.9	326	eP	15 24 41.0	0.1			

MAR 20d 18h 19m 56.8 ± 0.05s, SD0.79 / 47
5.02 S ± 0.59km, 130.30 E ± 1.14km, h103 ± 0.29km
Banda Sea (280)
m_b5.0 / 2,

WHN	38.5	338	eP	18 27 12.0	1.0			
			sP	18 27 47.0	0.3			
			PcP	18 29 23.0	1.0			
GYA	38.8	325	P	18 27 14.4	1.1			
			PcP	18 29 23.6	0.8			
KMI	40.2	319	+P	18 27 26.0	0.8			
XAN	43.8	334	P	18 27 53.5	−0.9			
CD2	43.8	326	eP	18 27 53.5	−1.2			
TIY	45.6	340	eP	18 28 09.0	−0.3			
BJI	46.7	345	eP	18 28 17.0	−0.4			
LZH	47.8	331	eP	18 28 26.5	0.0			
			PMZ	$m_b = 5.1$		1.5	0.044	
CN2	48.8	355	eP	18 28 33.5	−0.3			
MDJ	49.4	359	eP	18 28 40.0	1.4			
GTA	52.4	330	+iP	18 29 01.0	−0.4			
			PMZ	$m_b = 4.8$		0.8	0.011	
			PcP	18 30 10.8	0.7			
WMQ	61.9	326	P	18 30 08.1	−0.3			
KSH	66.8	317	P	18 30 41.5	1.1			
			pP	18 31 07.0	1.5			

		eS	18 39 24.0	0.4			

MAR 21d 00h 34m 15.0 ± 0.07s, SD0.81 / 15
5.49 S ± 0.58km, 146.90 E ± 0.23km, h188 ± 0.64km
Eastern New Guinea region (207)
m_b4.5 / 1,

NJ2	45.9	326	+P	00 42 21.0	0.2		
WHN	47.5	321	eP	00 42 34.0	0.9		
XAN	53.2	320	P	00 43 16.1	−0.5		
BJI	53.4	331	eP	00 43 17.0	−0.9		
GTA	62.3	320	eP	00 44 19.8	−0.2		
			PMZ	m_b = 4.5		0.6	0.0050

MAR 21d 02h 00m 51.0 ± 0.05s, SD1.03 / 91
36.93 N ± 0.93km, 134.52 E ± 0.91km, h400 ± 0.75km
Sea of Japan (660)
m_b5.5 / 10,

MDJ	8.5	336	eP	02 02 53.5	0.3		
			sP	02 04 07.0	−2.9		
			S	02 04 26.0	−3.3		
CN2	9.7	318	−P	02 03 07.6	0.5		
			sP	02 04 27.0	0.1		
			eS	02 04 55.0	0.1		
SNY	9.8	303	−iP	02 03 09.2	1.7		
			iS	02 05 00.0	4.4		
DL2	10.4	285	−iP	02 03 15.5	1.0		
			S	02 05 12.0	4.1		
SSE	12.5	246	+P	02 03 39.1	0.3		
			PMZ			3.0	0.98
			eS	02 05 56.0	3.3		
NJ2	13.8	254	−P	02 03 53.6	0.4		
			S	02 06 13.0	−5.8		
TIA	14.0	272	−P	02 03 54.7	−0.8		
			S	02 06 25.0	2.3		
BJI	14.7	288	−P	02 04 02.0	−0.7		
			eS	02 06 39.0	2.2		
TIY	17.6	279	−iP	02 04 31.8	−0.5		
			sP	02 06 11.0	−2.4		
			S	02 07 36.5	5.9		
WHN	17.9	255	P	02 04 36.0	0.3		
			PMZ	m_b = 5.4		0.7	0.12
QZH	18.1	233	+P	02 04 37.8	0.2		
HHC	18.3	289	P	02 04 38.9	−0.4		
BTO	19.4	288	+iP	02 04 50.2	−0.4		
XAN	21.0	270	−P	02 05 05.6	−0.3		
LZH	24.6	277	eP	02 05 39.0	−0.2		
			PMZ	m_b = 5.2		2.0	0.19
GYA	25.8	254	P	02 05 49.4	−0.5		
			PMZ	m_b = 5.2		1.4	0.14
			pP	02 07 00.4	2.2		
			S	02 09 47.6	−1.5		
			ScP	02 12 10.4	3.3		
CD2	26.2	266	−iP	02 05 52.2	−0.7		
GTA	27.3	286	P	02 06 02.6	−0.6		
			PMZ	m_b = 4.9		0.6	0.037
QZN	28.0	237	eP	02 06 11.0	1.5		
WMQ	35.9	296	P	02 07 18.2	1.0		
			pP	02 08 30.5	−2.0		
			S	02 12 29.0	3.1		
KSH	45.4	292	eP	02 08 35.8	1.9		

MAR 21d 04h 26m 01.0 ± 0.05s, SD0.71 / 30
2.29 N ± 0.74km, 118.49 E ± 0.70km, h32 ± 0.03km
Kalimantan (Borneo) (261)

QZN	18.7	334	eP	04 30 19.8	0.9		
WHN	28.4	352	eP	04 31 55.6	0.8		
CD2	31.7	335	−iP	04 32 23.4	−1.0		
BJI	37.6	357	eP	04 33 15.0	−0.2		
GTA	40.7	338	P	04 33 41.0	0.3		
CN2	41.8	8	eP	04 33 49.0	−0.7		
MDJ	43.3	12	eP	04 34 01.5	−0.4		

MAR 21d 05h 29m 32.8 ± 0.06s, SD1.24 / 35
54.67 N ± 0.74km, 90.46 E ± 0.89km, h14 ± 0.14km
Central Russia (326)
M_S4.2 / 3, M_L4.8 / 1, m_b4.6 / 2,

WMQ	11.0	190	eP	05 32 15.0	1.5		
			sP	05 32 26.2	4.5		
			S	05 34 10.0	−7.0		
GTA	16.5	154	−P	05 33 27.0	0.8		
			PMZ	m_b = 4.2		0.8	0.010
			LE	M_S = 4.7		6.0	0.83
BTO	19.2	129	eP	05 34 01.8	2.5		
HHC	19.7	126	eP	05 34 04.1	−1.0		
LZH	20.8	148	eP	05 34 15.0	−1.4		
			PMZ	m_b = 5.0		1.5	0.11
BJI	22.6	120	eP	05 34 34.5	0.0		
TIY	22.6	130	eP	05 34 36.0	0.9		
XAN	24.3	140	P	05 34 52.0	0.2		
CD2	25.6	153	P	05 35 04.1	0.4		

MAR 21d 10h 23m 01.7 ± 0.05s, SD0.93 / 24
52.19 N ± 2.32km, 171.06 W ± 0.96km, h31 ± 0.37km
Fox Islands (9)
m_b4.9 / 1,

GTA	59.6	296	eP	10 33 04.8	−1.1
CD2	63.4	287	eP	10 33 31.8	0.4
GYA	65.0	281	P	10 33 41.6	0.2

MAR 21d 16h 42m 49.5 ± 0.05s, SD0.74 / 24
4.52 N ± 0.52km, 127.58 E ± 1.12km, h139 ± 0.55km
Talaud Islands (263)
m_b4.8 / 1,

WHN	28.7	336	eP	16 48 37.5	1.2		
XAN	34.1	332	P	16 49 21.5	−1.8		
CD2	34.5	322	P	16 49 26.4	−0.4		
BJI	36.8	345	eP	16 49 45.5	−0.7		
CN2	39.2	358	eP	16 50 05.5	−0.2		
GTA	42.9	328	−iP	16 50 36.7	0.5		
			PMZ	m_b = 4.8		0.8	0.015
WMQ	52.6	324	P	16 51 51.4	−0.1		

MAR 21d 17h 53m 02.1 ± 0.14s, SD2.16 / 20
24.21 N ± 1.18km, 120.79 E ± 1.26km, h10 ± 0.19km
Taiwan (244)
M_L3.8 / 13,

QZH	2.1	290	ePn	17 53 38.0	−0.1		
			Sn	17 54 05.0	−1.4		
			SMN	M_L = 3.7		0.5	0.84
			SME			0.5	0.25
SSE	6.9	3	eP	17 54 43.8	−1.8		
			sP	17 54 51.0	−2.2		
			SME	M_L = 3.6		1.0	0.027
NJ2	8.0	348	eP	17 55 04.5	3.2		
			SMN	M_L = 4.1		1.1	0.044
			SME			1.1	0.071
WHN	8.5	319	eP	17 55 04.0	−4.6		
CD2	16.5	298	−iP	17 57 00.0	4.4		

MAR 22d 01h 34m 49.9 ± 0.08s, SD1.95 / 35
40.95 N ± 1.51km, 73.98 E ± 1.40km, h19 ± 0.60km
Kirgiziya (716)
M_S4.5 / 4, M_L4.5 / 6, m_b5.1 / 2,

KSH	2.1	133	Pn	01 35 26.0	1.7		
			Sn	01 35 54.0	2.9		
			SMN	M_L = 4.7		0.8	6.00

			SME			0.9	6.80
WMQ	10.5	70	P	01 37 22.0	−1.5		
			pP	01 37 27.5	−1.9		
			S	01 39 23.0	1.2		
			LN	M_S = 4.8		5.0	1.82
			LZ	M_S = 4.0		14.0	0.87
GTA	19.8	86	eP	01 39 20.8	−1.5		
			PMZ	m_b = 4.5		1.2	0.025
			LE	M_S = 4.3		10.0	0.48
LZH	23.8	92	eP	01 40 02.5	−0.5		
			PMZ	m_b = 5.7		2.0	0.55
GYA	30.6	108	P	01 41 04.6	−0.8		
WHN	34.1	95	eP	01 41 35.0	−0.9		

MAR 22d 03h 22m 27.2 ± 0.08s, SD0.97 / 26
3.43 N ± 0.60km, 128.15 E ± 0.81km, h96 ± 0.84km
Molucca Passage (266)
m_b5.2 / 2,

XAN	35.3	332	P	03 29 14.6	−1.0		
BJI	38.0	345	eP	03 29 37.0	−1.1		
LZH	39.5	328	eP	03 29 50.5	0.0		
			PMZ	m_b = 5.4		2.0	0.14
CN2	40.3	357	eP	03 29 58.0	1.2		
GTA	44.1	328	+P	03 30 28.2	0.1		
			PMZ	m_b = 5.0		1.4	0.029
WMQ	53.8	324	P	03 31 42.5	−0.2		
			pP	03 32 08.0	2.6		
			ScS	03 41 16.0	−2.3		
			LZ			16.0	0.33

MAR 22d 16h 38m 54.9 ± 0.11s, SD1.22 / 57
9.75 S ± 1.48km, 154.27 E ± 1.54km, h27 ± 0.17km
D'Entrecasteaux Islands region (194)
m_b5.2 / 1,

NJ2	53.6	322	+P	16 48 17.8	1.4		
WHN	55.4	318	eP	16 48 30.0	0.1		
DL2	57.1	330	eP	16 48 43.1	0.9		
MDJ	58.5	340	eP	16 48 54.5	2.6		
GYA	58.6	309	P	16 48 48.8	−3.5		
CN2	59.4	336	eP	16 48 59.0	1.2		
BJI	60.8	327	eP	16 49 06.0	−1.5		
KMI	61.0	306	+P	16 49 10.0	0.9		
XAN	61.2	318	P	16 49 09.0	−1.3		
TIY	61.3	323	eP	16 49 10.0	−1.0		
CD2	63.1	312	eP	16 49 25.0	2.2		
BTO	64.6	324	eP	16 49 32.5	−0.5		
LZH	65.8	317	eP	16 49 39.5	−1.1		
			PMZ	m_b = 5.2		2.0	0.055
GTA	70.3	318	eP	16 50 08.4	−0.1		
WMQ	80.3	318	P	16 51 06.6	0.5		

MAR 22d 16h 57m 41.5 ± 0.09s, SD1.28 / 22
27.17 N ± 0.99km, 128.04 E ± 0.79km, h96 ± 0.68km
Ryukyu Islands (238)
m_b4.4 / 1,

SSE	7.2	305	eP	16 59 25.0	−0.3		
			eS	17 00 48.0	2.4		
NJ2	9.4	303	+P	16 59 55.5	0.3		
BJI	16.2	325	eP	17 01 26.0	1.5		
CN2	16.7	353	P	17 01 32.6	1.3		
			pP	17 01 48.0	2.2		
XAN	17.8	297	P	17 01 45.4	0.6		
GTA	26.5	305	P	17 03 11.4	−0.4		
			PMZ	m_b = 4.4		0.8	0.0070

MAR 22d 18h 10m 53.6 ± 0.11s, SD0.93 / 72
20.62 S ± 1.65km, 178.66 W ± 1.29km, h574 ± 0.67km
Fiji region (181)

m_b4.9 / 5,

QZH	76.0	304	+P	18 21 44.5	0.3		
SSE	77.3	310	P	18 21 50.2	−1.2		
			PMZ	m_b = 4.5		1.0	0.020
NJ2	79.5	310	−P	18 22 03.5	0.5		
MDJ	80.3	325	−iP	18 22 07.5	0.4		
DL2	81.4	317	eP	18 22 08.4	−4.5		
SNY	81.9	320	−P	18 22 15.2	−0.3		
CN2	82.0	323	−P	18 22 16.0	−0.1		
			pP	18 24 16.0	−1.8		
WHN	82.0	307	−P	18 22 16.5	0.5		
			PMZ	m_b = 4.9		1.2	0.060
TIA	82.9	313	−P	18 22 20.4	−0.1		
TIY	86.9	312	eP	18 22 40.4	0.4		
			eS	18 32 32.0	1.3		
XAN	87.7	308	P	18 22 44.0	0.2		
KMI	88.9	297	eP	18 22 50.5	1.2		
HHC	89.0	315	eP	18 22 50.0	0.1		
BTO	89.9	314	eP	18 22 55.0	0.9		
CD2	90.3	303	eP	18 22 56.6	0.6		
LZH	92.3	308	eP	18 23 06.0	0.7		
			PMZ	m_b = 5.5		1.5	0.066
GTA	96.6	310	eP	18 23 24.0	−0.4		
			PMZ	m_b = 5.0		1.2	0.015

MAR 22d 19h 22m 01.8 ± 0.09s, SD1.26 / 43
43.13 N ± 1.73km, 145.50 E ± 1.21km, h70 ± 1.15km
Hokkaido region (224)

MDJ	11.6	283	eP	19 24 47.0	0.6		
CN2	14.6	280	eP	19 25 26.0	0.1		
			pP	19 25 39.0	0.1		
SNY	16.2	273	eP	19 25 47.8	1.0		
BJI	22.1	272	eP	19 26 51.0	−1.6		
TIA	22.8	262	eP	19 26 59.1	−0.8		
NJ2	23.7	251	+P	19 27 11.4	2.8		
BTO	26.4	277	eP	19 27 34.6	0.4		
WHN	27.7	253	eP	19 27 46.5	0.3		
XAN	29.8	265	P	19 28 03.5	−1.1		
GTA	34.2	280	eP	19 28 43.1	−0.1		
CD2	35.1	264	P	19 28 50.6	−0.5		
GYA	35.6	255	P	19 28 54.6	−0.4		
WMQ	41.2	292	eP	19 29 42.4	0.8		

MAR 23d 03h 10m 44.4 ± 0.08s, SD1.03 / 53
2.46 N ± 0.91km, 128.35 E ± 1.22km, h101 ± 0.58km
Djailolo Gilolo (Halmahera) (267)
m_b5.2 / 2,

NJ2	30.8	344	+P	03 16 53.2	0.6		
WHN	30.9	336	eP	03 16 54.5	0.5		
GYA	31.7	321	P	03 17 01.4	0.7		
KMI	33.4	315	eP	03 17 19.0	3.0		
XAN	36.3	332	P	03 17 39.5	−0.7		
CD2	36.6	323	P	03 17 43.2	0.2		
TIY	38.0	339	−P	03 17 54.5	−0.1		
BJI	39.0	345	eP	03 18 02.0	−0.8		
LZH	40.4	329	eP	03 18 16.0	1.3		
			PMZ	m_b = 5.3		1.5	0.082
			pP	03 18 40.0	2.4		
CN2	41.2	357	eP	03 18 22.0	0.7		
MDJ	42.0	1	eP	03 18 27.0	−0.5		
GTA	45.0	328	+iP	03 18 52.4	0.3		
			PMZ	m_b = 5.0		0.6	0.014
WMQ	54.7	325	P	03 20 06.0	0.2		

MAR 23d 00h 21m 57.2 ± 0.11s, SD2.66 / 13
40.89 N ± 1.32km, 78.23 E ± 1.34km, h13 ± 0.18km
Kirgiziya–Xinjiang border region (320)
M_L3.9 / 7,

KSH	2.2	233	ePn	00 22 34.9	0.3			
			Sn	00 23 04.9	1.2			
			SMN	$M_L=3.9$		0.2	0.60	
			SME			0.5	1.10	
WMQ	7.6	64	Pn	00 23 51.6	3.2			
			Sg	00 26 02.3	6.8			
			SMN	$M_L=3.9$		1.0	0.040	
			SME			1.0	0.040	
GTA	16.6	88	eP	00 25 49.0	−2.4			

MAR 23d 05h 33m 43.4±0.09s, SD1.40/73
23.86 N±1.53km, 122.76 E±1.43km, h19±0.64km
Taiwan region (243)
M_S4.4/23, M_L4.4/13, m_b4.7/4,

QZH	3.9	287	+Pn	05 34 43.5	−0.1			
			SMN	$M_L=3.9$		0.2	0.24	
			SME			0.2	0.23	
			LN	$M_S=3.9$		13.0	3.01	
			LZ	$M_S=3.9$		14.0	2.60	
SSE	7.3	349	+P	05 35 32.0	−0.6			
			pP	05 35 37.7	−0.6			
			SMN	$M_L=4.1$		1.2	0.10	
			SME			1.0	0.030	
			LN	$M_S=4.1$		12.0	1.77	
			LZ	$M_S=4.1$		16.0	1.78	
NJ2	8.9	338	+P	05 35 53.0	−0.7			
			S	05 37 31.0	−2.9			
			LN	$M_S=4.2$		11.0	1.25	
			LE			12.0	0.77	
			LZ	$M_S=4.3$		14.0	2.37	
WHN	10.0	313	eP	05 36 08.5	−1.2			
			S	05 38 03.0	0.6			
			sS	05 38 09.5	−2.7			
			SMN			1.2	0.16	
			SME			1.4	0.23	
			LN	$M_S=4.4$		8.0	1.08	
			LE			8.0	0.78	
			LZ	$M_S=4.3$		16.0	2.40	
QZN	12.9	251	eP	05 36 54.4	4.8			
			eS	05 39 14.6	0.4			
			LN	$M_S=4.1$		14.0	0.75	
GYA	14.8	283	P	05 37 14.4	0.3			
			pP	05 37 22.0	2.5			
			S	05 39 51.0	−6.9			
DL2	15.0	357	eP	05 37 20.0	3.1			
			eS	05 40 09.0	5.2			
			LZ	$M_S=4.1$		14.0	0.87	
TIY	16.4	330	−P	05 37 37.8	3.2			
			eS	05 40 30.0	−5.9			
			LN	$M_S=4.5$		13.0	1.33	
			LZ	$M_S=4.5$		14.0	1.90	
BJI	17.1	343	eP	05 37 44.0	1.1			
			LZ	$M_S=4.3$		12.0	1.00	
CD2	18.3	297	P	05 37 57.5	−0.5			
			eS	05 41 21.0	2.4			
			LZ	$M_S=4.3$		16.0	1.10	
KMI	18.3	278	eP	05 38 01.5	3.3			
			eS	05 41 20.0	1.1			
			LE	$M_S=4.6$		12.0	1.10	
			LZ	$M_S=4.6$		12.0	1.70	
HHC	19.4	334	eP	05 38 12.8	1.5			
			LN	$M_S=4.6$		12.0	1.02	
			LE			12.0	0.47	
			LZ	$M_S=4.3$		16.0	1.08	
CN2	20.0	6	P	05 38 19.0	0.6			
			sP	05 38 29.0	0.8			
			eS	05 41 57.0	−0.6			
			LN	$M_S=4.4$		14.0	0.70	
			LZ	$M_S=4.5$		15.0	1.30	
LZH	20.4	311	eP	05 38 22.0	−0.3			
			PMZ	$m_b=4.8$		2.0	0.082	
			LZ	$M_S=4.4$		16.0	1.30	
MDJ	21.4	13	eP	05 38 32.0	−1.1			
			LE	$M_S=4.8$		15.0	1.74	
GTA	24.8	314	eP	05 39 06.8	0.2			
			PMZ	$m_b=4.7$		0.8	0.020	
			LE	$M_S=4.5$		10.0	0.51	
			LZ	$M_S=4.4$		14.0	0.84	
WMQ	34.9	313	−P	05 40 36.8	0.2			
			pP	05 40 47.0	3.7			
			eS	05 46 07.0	0.5			
			LZ	$M_S=4.4$		12.0	0.41	

MAR 23d 05h 44m 48.7±0.15s, SD4.01/10
31.59 N±1.16km, 99.81 E±1.72km, h24±0.64km
Sichuan Province (307)
M_L3.2/5,

CD2	3.4	100	Pn	05 45 45.4	3.8			
			SMN	$M_L=3.7$		1.3	0.20	
			SME			1.0	0.20	
GTA	7.8	0	eP	05 46 46.0	2.1			

MAR 23d 07h 10m 19.2±0.12s, SD1.91/49
22.25 N±1.91km, 121.27 E±1.81km, h14±0.75km
Taiwan region (243)
M_S4.2/15, M_L4.3/14, m_b4.8/3,

QZH	3.6	318	Pn	07 11 14.7	−0.8			
			Sn	07 11 54.3	−6.0			
			SMN	$M_L=4.4$		1.0	0.89	
			SME			1.0	0.99	
			LN	$M_S=3.6$		11.0	1.81	
GZH	7.4	278	eP	07 12 09.6	0.4			
			S	07 13 27.6	−5.6			
			SMN	$M_L=4.4$		1.0	0.19	
			SME			1.0	0.10	
SSE	8.8	360	eP	07 12 32.2	2.9			
			pP	07 12 38.0	3.3			
			SMN	$M_L=4.1$		1.0	0.025	
			SME			1.0	0.047	
			LE	$M_S=3.9$		10.0	0.67	
			LZ	$M_S=3.8$		18.0	0.91	
NJ2	10.0	348	−P	07 12 43.3	−2.5			
			S	07 14 34.0	−4.6			
			LN	$M_S=4.1$		8.0	0.62	
			LE			12.0	0.48	
			LZ	$M_S=4.1$		17.0	1.42	
WHN	10.3	325	+P	07 12 51.0	0.7			
			pP	07 12 57.4	1.7			
			SMN			1.4	0.20	
			SME			1.4	0.23	
			LN	$M_S=4.3$		13.0	1.39	
			LE			11.0	1.10	
			LZ	$M_S=4.2$		16.0	1.86	
QZN	11.2	255	eP	07 13 04.0	2.2			
			eS	07 15 12.4	4.9			
			LN	$M_S=4.3$		15.0	1.30	
			LE			15.0	1.20	
GYA	14.0	290	P	07 13 40.6	1.3			
			sP	07 13 48.8	1.0			
			S	07 16 15.0	0.5			
XAN	16.0	320	P	07 14 01.2	−4.7			
			LN	$M_S=3.7$		11.0	0.17	
TIY	17.2	336	eP	07 14 25.8	4.8			
			eS	07 17 26.0	−4.9			
			LN	$M_S=4.7$		13.0	1.67	
			LE			14.0	1.18	

			LZ		$M_S=4.7$	14.0	2.50
BJI	18.3	347	eP	07 14 35.0	0.9		
			eS	07 17 56.0	1.1		
			LZ		$M_S=4.2$	16.0	0.80
HHC	20.3	338	eP	07 14 57.8	0.2		
			LN		$M_S=4.4$	13.0	0.70
LZH	20.5	316	eP	07 15 00.0	0.1		
			PMZ		$m_b=4.8$	2.0	0.082
			LZ		$M_S=4.4$	14.0	1.00
BTO	20.6	335	eP	07 15 02.0	0.7		
			pP	07 15 10.0	3.1		
			eS	07 18 48.0	1.2		
			LN		$M_S=4.5$	13.0	0.50
			LE			13.0	0.60
			LZ		$M_S=4.6$	14.0	1.50
CN2	21.8	8	eP	07 15 11.0	−1.8		
GTA	25.0	318	eP	07 15 49.0	4.0		
			PMZ		$m_b=4.3$	1.4	0.012

MAR 23d 07h 38m 47.0 ± 0.08s, SD1.13 / 56
6.91 S ± 1.76km, 72.37 E ± 1.89km, h9 ± 0.19km
Chagos Archipelago region (426)
m_b5.1 / 3,

GYA	47.0	44	P	07 47 21.4	0.6		
CD2	48.1	37	+iP	07 47 30.0	0.1		
LZH	52.0	32	eP	07 48 00.0	0.5		
			PMZ		$m_b=5.1$	1.5	0.044
WMQ	52.4	14	P	07 48 02.5	0.3		
			eS	07 55 32.0	5.1		
			LZ		$M_S=4.5$	14.0	0.33
GTA	52.6	27	−iP	07 48 04.0	−0.2		
			PMZ		$m_b=5.2$	1.0	0.039
XAN	53.4	38	P	07 48 09.2	−1.0		
WHN	54.8	45	eP	07 48 19.5	−0.7		
TIA	60.0	41	−P	07 48 56.0	−1.0		
BJI	61.7	37	eP	07 49 08.0	−0.7		
CN2	69.5	38	P	07 49 58.0	−0.9		
MDJ	72.5	39	eP	07 50 17.0	0.0		

MAR 23d 09h 31m 22.9 ± 0.10s, SD1.66 / 88
33.82 N ± 1.76km, 141.50 E ± 1.91km, h51 ± 0.72km
Off east coast of Honshu (229)
M_S4.9 / 33, m_B5.3 / 1, m_b4.8 / 6,

MDJ	14.2	323	eP	09 34 40.0	−2.8		
			pP	09 34 48.0	−3.8		
			S	09 37 12.0	−6.1		
			LN		$M_S=4.8$	16.0	3.54
			LZ		$M_S=4.7$	16.0	4.04
CN2	16.0	313	eP	09 35 06.6	0.6		
			pP	09 35 16.0	0.6		
			eS	09 38 01.0	0.4		
			LE		$M_S=4.7$	12.0	1.80
SNY	16.2	305	−P	09 35 13.2	3.8		
			SMN		$m_B=5.3$	11.0	0.91
			SME			12.0	1.22
			LZ		$M_S=4.6$	17.0	3.06
DL2	16.8	293	eP	09 35 21.0	4.8		
			eS	09 38 20.0	0.6		
			LN		$M_S=4.8$	16.0	3.20
			LZ		$M_S=4.7$	18.0	3.20
SSE	17.4	267	eP	09 35 25.0	1.7		
			PMZ		$m_b=4.2$	1.0	0.012
			pP	09 35 34.0	0.9		
			sP	09 35 41.5	2.1		
			sS	09 38 44.0	−4.4		
			LN		$M_S=4.9$	13.0	2.89
			LZ		$M_S=4.3$	20.0	1.40
NJ2	19.1	271	+P	09 35 45.5	1.2		
			LN		$M_S=4.9$	12.0	1.03
			LE			19.0	2.80
			LZ		$M_S=4.8$	18.0	3.58
TIA	20.1	284	eP	09 35 53.7	−1.6		
			LN		$M_S=5.1$	15.0	1.40
			LE			20.0	5.36
			LZ		$M_S=4.8$	22.0	4.37
BJI	21.1	294	eP	09 36 07.0	1.0		
			eS	09 39 56.0	3.1		
			esS	09 40 14.0	2.0		
			LN		$M_S=4.6$	15.0	1.10
			LZ		$M_S=4.3$	24.0	1.30
WHN	23.2	269	eP	09 36 26.0	−0.2		
			pP	09 36 39.0	0.8		
			S	09 40 32.0	2.6		
			LN		$M_S=5.0$	12.0	0.98
			LE			14.0	2.27
			LZ		$M_S=4.9$	16.0	3.24
TIY	23.9	288	−iP	09 36 35.0	2.1		
			eS	09 40 43.0	0.9		
			sS	09 40 57.0	−5.4		
			LN		$M_S=5.1$	15.0	1.83
			LE			14.0	1.94
			LZ		$M_S=5.0$	16.0	3.58
HHC	24.7	295	P	09 36 42.8	1.4		
			eS	09 40 51.0	−6.2		
			LN		$M_S=4.7$	12.0	1.00
			LZ		$M_S=4.4$	22.0	1.30
BTO	25.9	294	eP	09 36 52.0	−0.2		
			epP	09 37 03.5	−0.6		
			S	09 41 15.0	0.0		
			LN		$M_S=5.0$	15.0	1.70
			LE			15.0	0.90
			LZ		$M_S=4.7$	15.0	1.50
LZH	30.8	285	eP	09 37 35.5	−1.4		
			pP	09 37 47.5	−1.5		
			LE		$M_S=5.0$	15.0	1.50
			LZ		$M_S=5.0$	16.0	2.50
GYA	30.9	266	P	09 37 35.2	−2.3		
			sP	09 37 53.0	−2.2		
			PcP	09 40 34.2	2.0		
			S	09 42 33.0	−2.4		
			LZ		$M_S=4.9$	16.0	1.99
QZN	31.8	250	eP	09 37 48.0	2.8		
			PP	09 38 56.0	5.3		
			eS	09 42 53.0	2.7		
			LE		$M_S=5.0$	18.0	1.89
CD2	31.9	275	P	09 37 43.5	−2.7		
			S	09 42 46.5	−4.6		
			LE		$M_S=4.8$	18.0	1.20
			LZ		$M_S=4.8$	18.0	1.80
GTA	33.7	292	+P	09 38 01.8	−0.1		
			PMZ		$m_b=4.8$	0.8	0.012
			LE		$M_S=4.9$	13.0	1.03
			LZ		$M_S=4.7$	18.0	1.34
KMI	34.7	266	eP	09 38 09.0	−1.4		
WMQ	42.4	300	P	09 39 15.9	1.0		
			sP	09 39 32.0	−1.0		
			S	09 45 32.0	0.7		
			LN		$M_S=4.9$	12.0	0.67
			LZ		$M_S=4.7$	16.0	0.73
KSH	51.9	296	eP	09 40 30.5	1.4		
			pP	09 40 44.0	2.2		
			eS	09 47 48.0	1.5		
			LE		$M_S=5.2$	12.0	0.80

MAR 23d 12h 38m 50.5 ± 0.07s, SD2.03 / 34
40.96 N ± 1.45km, 78.17 E ± 1.33km, h24 ± 0.61km

Kirgiziya–Xinjiang border region (320)
M_S4.1 / 2, M_L4.5 / 6, m_b4.5 / 2,

KSH	2.2	231	Pn	12	39	28.0	1.0		
			Sn	12	39	56.0	0.5		
			LE					6.0	7.90
WMQ	7.6	65	P	12	40	44.2	1.2		
			pP	12	40	48.0	−1.1		
			S	12	42	13.0	4.0		
			LN			M_S=4.1		5.0	0.68
			LZ			M_S=3.9		8.0	0.64
GTA	16.6	88	eP	12	42	42.0	−1.9		
			PMZ			m_b=4.3		0.8	0.012
XAN	25.3	96	P	12	44	17.5	0.5		
TIY	26.6	86	−P	12	44	30.2	0.8		
GYA	27.6	113	eP	12	44	39.0	0.2		

MAR 23d 17h 50m 05.3±0.14s, SD2.64 / 35
4.95 S±5.27km, 80.16 W±5.83km, h70±km
Near coast of Northern Peru (109)

WMQ	139.8	14	PKP	18	09	26.3	−0.5
BJI	142.1	339	ePKP	18	09	26.0	−4.7
TIY	145.4	342	ePKP	18	09	36.0	−0.6
GTA	145.7	0	−iPKP	18	09	37.1	0.0
SSE	147.2	325	PKP	18	09	40.0	0.6
LZH	148.8	354	ePKP	18	09	46.0	3.8
WHN	151.1	333	ePKP	18	09	51.0	5.4

MAR 23d 23h 09m 51.3±0.14s, SD1.63 / 53
10.34 N±1.85km, 93.76 E±1.80km, h74±0.17km
Nicobar Islands region (704)
M_S4.5 / 2, m_b4.7 / 1,

KMI	17.0	29	+P	23	13	49.5	3.4		
QZN	17.8	59	eP	23	13	55.0	−0.6		
			eS	23	17	05.5	−3.3		
			LN			M_S=4.4		9.0	0.64
LSA	19.4	353	P	23	14	13.0	−1.8		
GYA	20.1	36	P	23	14	21.6	−0.7		
CD2	22.5	23	P	23	14	45.4	−0.2		
LZH	27.2	18	eP	23	15	30.0	−0.7		
XAN	27.4	28	P	23	15	30.4	−1.7		
WHN	27.8	41	eP	23	15	40.2	4.7		
GTA	29.4	10	eP	23	15	49.6	−1.1		
TIY	32.0	29	eP	23	16	18.0	4.7		
			LN			M_S=4.7		16.0	0.72
			LZ			M_S=4.4		18.0	0.73
KSH	33.1	334	eP	23	16	27.0	4.1		
BTO	33.4	23	eP	23	16	24.0	−1.3		
WMQ	33.8	352	P	23	16	28.4	0.0		
BJI	35.6	30	eP	23	16	45.0	0.6		
			LZ			M_S=4.1		20.0	0.30
SNY	40.8	35	+P	23	17	28.2	0.5		
CN2	43.2	34	−P	23	17	46.8	−0.1		

MAR 24d 00h 14m 52.6±0.09s, SD1.54 / 27
3.21 S±1.04km, 130.59 E±1.51km, h44±0.82km
Seram (272)

GYA	37.5	323	P	00	22	06.0	1.6
TIY	44.1	339	eP	00	22	57.6	−1.0
BJI	45.0	344	eP	00	23	04.0	−2.2
GTA	51.0	329	eP	00	23	51.2	−1.6
WMQ	60.6	326	P	00	25	03.4	1.6

MAR 24d 01h 31m 08.1±0.10s, SD3.50 / 7
40.30 N±0.76km, 110.00 E±0.85km, h15±0.60km
Northern China (323)
M_L3.2 / 8,

BTO	0.3	3	+iPg	01	31	13.0	−1.1		
			Sg	01	31	17.6	−0.8		
TIY	3.2	143	−iPn	01	32	03.0	4.5		
			Pg	01	32	07.8	3.1		
			Sn	01	32	43.7	5.4		
			Sg	01	32	46.2	−2.4		
			SMN			M_L=3.4		0.5	0.14
			SME					0.5	0.11

MAR 24d 09h 49m 30.6±0.07s, SD1.49 / 32
58.93 S±1.96km, 148.64 E±2.57km, h11±0.48km
West of Macquarie Island (701)
M_S5.8 / 4, m_B5.9 / 1,

QZN	83.9	323	eP	10	02	04.5	1.4		
			SMN					13.0	0.81
			SME					12.0	0.76
			LN			M_S=5.8		24.0	3.40
GYA	91.9	323	P	10	02	41.6	0.1		
			SKS	10	13	17.0	5.8		
			S	10	13	44.0	5.1		
			LZ			M_S=5.3		22.0	1.24
KMI	91.9	319	eP	10	02	42.0	0.3		
			SMN			m_B=5.9		7.0	0.70
WHN	93.6	331	eP	10	02	45.0	−4.0		
			sP	10	02	52.0	−5.3		
			SS	10	20	20.0	5.0		
			LZ			M_S=5.5		32.0	2.65
CD2	97.0	322	eP	10	03	04.4	−0.1		
			SKS	10	13	42.0	3.3		
			LZ			M_S=5.5		26.0	1.90
XAN	98.3	328	P	10	03	11.7	1.0		
MDJ	104.4	346	eP	10	03	38.0	0.3		
			S	10	15	26.0	1.6		
			sS	10	15	35.0	−0.5		
			LZ			M_S=5.4		25.0	1.42

MAR 24d 15h 31m 27.5±0.44s, SD1.64 / 61
11.47 N±2.48km, 86.38 W±1.84km, h41±3.83km
Off coast of Costa Rica (77)

BJI	124.6	339	ePKP	15	50	24.5	0.9
WMQ	124.7	5	PKP	15	50	24.6	0.7
HHC	125.4	343	−PKP	15	50	25.3	0.1
BTO	126.0	345	ePKP	15	50	28.0	1.6
KSH	126.7	17	ePKP	15	50	24.0	−3.8
TIA	127.7	336	ePKP	15	50	29.0	−0.5
TIY	128.0	341	ePKP	15	50	30.5	0.3
			LZ			M_S=5.3		30.0	0.94
GTA	129.1	354	+iPKP	15	50	33.0	0.7
SSE	130.1	329	PKP	15	50	35.0	0.9
NJ2	130.4	332	−PKP	15	50	35.6	0.8
LZH	131.7	349	ePKP	15	50	38.5	1.0
XAN	132.5	343	ePKP	15	50	38.5	−0.2
WHN	133.7	335	ePKP	15	50	42.0	0.9
CD2	136.8	347	ePKP	15	50	48.2	1.5
GYA	140.2	342	PKP	15	50	54.2	1.1
KMI	142.6	346	ePKP	15	50	58.0	0.7
QZN	145.7	332	+iPKP	15	51	05.0	2.5
			sPKP	15	51	22.0	2.9
			PP	15	54	25.0	−1.7

MAR 25d 16h 57m 02.2±0.16s, SD1.43 / 25
29.78 S±1.58km, 177.82 W±0.68km, h50±1.39km
Kermadec Islands (178)

MDJ	88.2	325	eP	17	09	51.5	1.4
CN2	89.7	323	−P	17	09	56.8	−0.6
BJI	92.6	315	eP	17	10	10.5	−0.1
TIY	93.6	312	eP	17	10	17.0	1.8

MAR 25d 17h 25m 53.4±0.08s, SD1.19 / 41
14.57 S±1.90km, 66.46 E±1.96km, h9±0.09km

Mid-Indian Rise					(429)			
m_b5.1 / 2,								
KSH	54.5	9	eP	17 35 25.0	0.4			
GYA	56.5	44	P	17 35 39.0	0.2			
WMQ	61.3	17	P	17 36 13.2	1.3			
GTA	62.1	29	+P	17 36 17.2	−0.2			
			PMZ	m_b=4.9		0.8	0.012	
XAN	63.0	39	P	17 36 22.8	−0.8			
WHN	64.3	45	eP	17 36 33.0	1.0			
BTO	68.1	34	eP	17 36 56.8	0.1			
HHC	69.2	35	P	17 37 04.8	1.7			
BJI	71.3	38	eP	17 37 16.5	0.5			
CN2	79.1	39	eP	17 38 00.5	−0.2			

MAR 25d 23h 18m 20.9 ± 0.19s, SD2.04 / 16
36.39 N ± 1.56km, 80.99 E ± 1.10km, h12 ± 0.38km
Kashmir-Tibet border region (304)
M_S4.1 / 1, M_L4.7 / 5,

KSH	5.1	309	Pn	23 19 37.9	0.5			
			Pg	23 19 49.5	−1.0			
			Sn	23 20 38.5	0.6			
			Sg	23 20 57.5	−2.4			
			SMN	M_L=5.0		0.7	1.60	
			SME			0.6	1.70	
WMQ	9.0	33	P	23 20 35.0	0.7			
			S	23 22 20.5	4.0			
			LN	M_S=4.1		8.0	0.71	
			LE			10.0	0.70	
			LZ	M_S=3.9		8.0	0.48	
GTA	15.2	73	eP	23 22 01.0	3.9			

MAR 26d 00h 53m 51.5 ± 0.12s, SD1.54 / 24
20.71 S ± 1.77km, 178.64 W ± 0.44km, h587 ± 1.38km
Fiji region (181)

NJ2	79.6	310	−P	01 05 01.8	1.6			
MDJ	80.3	325	eP	01 05 04.0	−0.3			
CN2	82.1	323	P	01 05 13.7	0.4			
BJI	85.6	316	eP	01 05 30.0	−0.6			
TIY	87.0	312	eP	01 05 38.0	0.9			
XAN	87.8	308	P	01 05 45.5	4.6			

MAR 26d 02h 55m 47.8 ± 0.11s, SD1.52 / 98
19.35 N ± 1.38km, 121.06 E ± 1.68km, h31 ± 0.26km
Luzon (249)
M_S5.1 / 50, M_L4.4 / 10, m_B5.6 / 16,

QZH	6.0	338	ePn	02 57 14.8	−0.3			
			Sn	02 58 21.2	−3.6			
			SMN	M_L=4.4		1.0	0.25	
			LN	M_S=4.6		12.0	6.32	
			LE			12.0	5.11	
			LZ	M_S=4.7		20.0	13.1	
GZH	8.1	299	P	02 57 42.2	−4.0			
			LN	M_S=5.1		14.0	14.9	
			LE			15.0	12.2	
			LZ	M_S=5.0		16.0	16.4	
QZN	10.6	270	eP	02 58 17.0	−3.8			
			S	03 00 14.0	−5.3			
			LE	M_S=4.9		14.0	6.90	
SSE	11.7	1	eP	02 58 32.0	−3.6			
			sP	02 58 45.5	−1.6			
			LE	M_S=4.7		10.0	2.45	
			LZ	M_S=4.6		24.0	6.03	
WHN	12.7	333	−iP	02 58 50.0	0.9			
			PMZ	m_B=5.8		5.0	0.99	
			pP	02 58 53.4	−2.5			
			sP	02 59 02.0	1.4			
			S	03 01 09.0	−1.0			
			LN	M_S=5.1		16.0	8.18	
			LE			12.0	3.41	
			LZ	M_S=5.1		18.0	13.5	
NJ2	12.8	352	+P	02 58 49.5	−1.6			
			sP	02 59 03.0	0.9			
			S	03 01 15.0	2.4			
			LN	M_S=4.9		16.0	2.86	
			LE			15.0	5.45	
			LZ	M_S=4.8		18.0	6.44	
GYA	15.0	301	P	02 59 19.0	−0.9			
			pP	02 59 26.0	−0.8			
			S	03 02 06.4	0.9			
			LN	M_S=5.4		12.0	4.04	
			LE			12.0	10.2	
			LZ	M_S=4.9		14.0	5.10	
TIA	17.2	349	−P	02 59 48.2	1.3			
			eS	03 03 00.0	4.6			
			LN	M_S=5.1		15.0	5.07	
			LZ	M_S=5.0		16.0	5.84	
KMI	17.9	292	−P	02 59 57.0	0.5			
			PMZ	m_B=5.6		5.0	1.50	
			pP	03 00 06.0	2.4			
			sP	03 00 12.0	3.9			
			S	03 03 16.0	4.2			
			sS	03 03 24.0	0.0			
			LN	M_S=5.2		14.0	6.30	
			LZ	M_S=5.1		25.0	10.7	
XAN	18.2	326	−P	03 00 00.5	0.6			
			S	03 03 25.0	6.8			
			LN	M_S=5.3		15.0	6.20	
			LE			14.0	2.78	
CD2	19.4	310	+iP	03 00 14.7	0.3			
			LE	M_S=5.3		13.0	6.10	
DL2	19.5	1	eP	03 00 14.0	−1.2			
			S	03 03 48.0	0.6			
			LN	M_S=5.1		15.0	3.00	
			LE			15.0	3.20	
			LZ	M_S=4.5		23.0	2.20	
BJI	21.0	350	iP	03 00 31.5	−0.2			
			esP	03 00 42.0	−2.2			
			eS	03 04 20.0	0.5			
			LN	M_S=5.0		15.0	3.30	
			LZ	M_S=5.0		18.0	5.00	
SNY	22.5	5	+P	03 00 48.6	2.3			
			sP	03 01 00.8	1.9			
			iS	03 04 49.0	2.3			
			SME	m_B=5.4		9.0	1.20	
			LN	M_S=5.0		13.0	1.03	
			LE			16.0	2.22	
			LZ	M_S=4.8		21.0	3.33	
LZH	22.5	321	−iP	03 00 48.5	1.8			
			PMZ	m_B=5.6		6.0	1.48	
			eS	03 04 54.0	6.5			
			SME	m_B=5.6		11.0	2.21	
			LN	M_S=5.1		15.0	3.05	
			LZ	M_S=5.2		16.0	6.15	
HHC	22.9	341	P	03 00 52.0	1.5			
			sP	03 01 04.0	1.1			
			PP	03 01 21.2	1.6			
			S	03 04 55.0	1.6			
			SMN	m_B=5.9		12.0	4.88	
			LN	M_S=5.4		15.0	6.09	
			LE			16.0	2.80	
			LZ	M_S=5.3		18.0	9.46	
BTO	23.2	338	−iP	03 00 55.0	1.8			
			PMZ	m_B=5.6		4.0	0.96	
			pP	03 01 01.0	−0.7			
			S	03 05 03.0	4.7			
			sS	03 05 15.0	1.9			

			LN		$M_S=5.3$		18.0	4.90
			LE				16.0	3.80
			LZ		$M_S=5.1$		18.0	5.40
CN2	24.7	8	eP	03 01 08.0		0.7		
			pP	03 01 15.1		−0.8		
			eS	03 05 26.0		1.7		
			LE		$M_S=4.9$		14.0	1.70
			LZ		$M_S=4.9$		20.0	3.40
MDJ	26.2	14	eP	03 01 23.2		1.5		
			S	03 05 50.0		1.2		
			LE		$M_S=5.3$		16.0	4.57
			LZ		$M_S=5.2$		22.0	7.27
GTA	27.1	322	−iP	03 01 30.6		0.1		
			PMZ		$m_b=5.0$		1.4	0.044
			S	03 06 04.0		−0.3		
			sS	03 06 19.0		−0.6		
			LE		$M_S=5.0$		13.0	1.79
			LZ		$M_S=5.0$		16.0	3.00
LSA	29.0	297	P	03 01 48.8		0.9		
			S	03 06 37.5		2.8		
			LE		$M_S=4.8$		12.0	0.92
WMQ	37.0	319	P	03 02 58.2		1.0		
			PMZ		$m_B=5.7$		4.0	0.55
			pP	03 03 06.0		0.0		
			PP	03 04 23.4		−0.2		
			S	03 08 45.0		5.2		
			ScS	03 13 08.4		1.7		
			LN		$M_S=5.6$		14.0	2.67
			LE				14.0	3.10
			LZ		$M_S=5.7$		8.0	5.19
KSH	43.6	307	P	03 03 53.5		1.9		
			pP	03 04 03.0		2.5		
			ePP	03 05 37.0		2.1		
			S	03 10 22.0		4.2		
			LZ		$M_S=5.4$		16.0	4.00

MAR 26d 03h 14m 24.8±0.08s, SD4.22/5
40.57 N±0.29km, 77.74 E±0.46km, h18±1.04km
Kirgiziya–Xinjiang border region (320)
M_L3.3/4,

KSH	1.7	233	Pg	03 14 55.9		−0.1		
			Sg	03 15 20.9		1.2		
			SMN		$M_L=3.5$		0.3	0.40
			SME				0.2	0.50
GTA	17.0	87	P	03 18 22.0		−1.2		

MAR 26d 04h 01m 30.0±0.06s, SD1.05/49
44.63 N±1.48km, 146.81 E±0.82km, h129±0.60km
Kurile Islands (221)
m_b4.6/1,

MDJ	12.3	276	eP	04 04 22.0		0.5		
CN2	15.3	274	eP	04 05 01.5		0.7		
BJI	23.0	269	eP	04 06 24.5		−0.2		
TIA	24.0	260	−P	04 06 35.4		1.3		
SSE	24.2	245	P	04 06 37.4		1.5		
			PMZ		$m_b=4.6$		1.0	0.024
NJ2	25.1	250	eP	04 06 45.0		0.2		
TIY	26.6	267	eP	04 06 59.2		0.4		
BTO	27.2	274	eP	04 07 05.0		0.8		
WHN	29.1	252	−P	04 07 21.0		0.1		
XAN	30.9	263	P	04 07 36.2		−0.8		
GTA	34.9	278	eP	04 08 11.6		0.0		
WMQ	41.5	291	P	04 09 07.0		0.2		

MAR 26d 06h 39m 48.0±0.33s, SD2.19/41
14.62 S±2.87km, 73.97 W±1.76km, h90±3.04km
Near coast of Peru (115)

KSH	143.8	41	ePKP	06 59 14.0		0.2		
			sPKP	06 59 51.0		3.4		
CN2	146.5	334	PKP	06 59 17.6		−0.8		
WMQ	147.0	25	PKP	06 59 20.0		0.8		
SNY	148.9	334	−PKP	06 59 26.0		3.7		
GTA	154.7	11	ePKP	06 59 31.8		0.9		
TIA	156.3	337	ePKP	06 59 32.9		0.0		
NJ2	159.1	328	ePKP	06 59 35.0		−1.3		
GYA	168.2	357	PKP	06 59 45.6		0.8		
			pPKP	07 00 14.0		5.2		
			PP	07 04 40.6		−3.1		

MAR 26d 06h 47m 44.8±0.14s, SD1.73/26
35.74 N±1.50km, 140.18 E±0.39km, h90±1.46km
Near south coast of Honshu (230)

MDJ	12.0	321	eP	06 50 36.5		2.3		
CN2	13.9	310	eP	06 51 01.0		2.1		
TIA	18.7	278	eP	06 51 56.7		−1.6		
BJI	19.4	290	eP	06 52 04.0		−2.5		

MAR 26d 15h 04m 01.5±0.39s, SD2.76/13
36.48 N±3.57km, 80.89 E±1.61km, h40±0.73km
Kashmir–Tibet border region (304)
M_S3.9/1, M_L4.4/6,

KSH	5.0	309	P	15 05 15.0		−0.8		
			S	15 06 15.9		4.1		
			SMN		$M_L=4.9$		0.3	1.10
			SME				0.5	1.60
WMQ	9.0	33	P	15 06 13.0		1.0		
			LN		$M_S=3.9$		4.0	0.28
			LZ		$M_S=3.5$		10.0	0.29
GTA	15.2	73	eP	15 07 40.4		4.8		

MAR 26d 16h 03m 08.8±0.12s, SD2.92/11
23.55 N±1.37km, 118.76 E±1.21km, h32±2.17km
Taiwan region (243)
M_L3.3/14,

QZH	1.4	354	+Pg	16 03 32.5		−1.6		
			SMN		$M_L=3.3$		0.2	0.28
			SME				0.2	0.55

MAR 26d 16h 56m 17.5±0.08s, SD2.24/28
28.82 N±0.83km, 104.93 E±0.74km, h13±0.12km
Sichuan Province (307)
M_L3.8/16,

CD2	2.3	334	Pn	16 56 58.2		2.3		
			Sn	16 57 28.8		2.7		
			SMN		$M_L=3.7$		0.6	0.54
			SME				0.8	0.50
GYA	2.8	146	Pn	16 57 03.6		0.8		
			Pg	16 57 12.0		4.8		
			Sn	16 57 37.8		−0.6		
			Sg	16 57 48.4		2.7		
			SMN		$M_L=3.9$		0.8	0.68
			SME				0.8	0.42
KMI	4.2	208	ePn	16 57 23.5		1.9		
			Pg	16 57 34.5		3.3		
			Sg	16 58 27.0		−1.2		
			SMN				2.5	0.20
			SME				2.5	0.20
XAN	6.2	32	ePn	16 57 51.0		1.4		
			Pg	16 58 10.0		2.6		
			Sn	16 58 59.8		−3.0		
			Sg	16 59 36.0		3.6		
			SMN		$M_L=4.4$		1.2	0.34
			SME				1.4	0.19
LZH	7.3	353	ePn	16 58 05.0		0.4		
			SMN		$M_L=4.3$		1.5	0.055
			SME				2.5	0.18

WHN	8.4	76	eP	16 58 21.0	−0.8			
			eS	16 59 51.5	−5.6			
			SMN	M_L=4.1		0.8	0.050	
			SME			0.5	0.050	
GTA	11.4	340	eP	16 59 02.8	−0.6			

MAR 26d 22h 35m 00.4±0.10s, SD1.33/30
52.22 N±2.86km, 157.69 E±1.43km, h112±0.12km
Near east coast of Kamchatka (218)
m_b4.4/1,

MDJ	20.1	259	eP	22 39 26.0	−1.1			
CN2	23.0	261	eP	22 39 55.5	−0.9			
GTA	41.2	276	eP	22 42 36.7	0.2			
			PMZ	m_b=4.4		1.0	0.0070	
WMQ	45.9	289	P	22 43 14.0	0.2			
GYA	45.9	256	P	22 43 13.6	−0.3			

MAR 27d 15h 45m 43.7±0.10s, SD1.05/101
12.21 N±1.02km, 144.27 E±1.55km, h31±0.16km
South of the Marianas (210)
M_S5.1/40, m_B5.4/1, m_b5.3/10,

QZH	27.4	301	eP	15 51 27.0	−1.5			
			S	15 56 06.0	1.8			
			SS	15 57 18.0	−3.8			
			LN	M_S=4.9		10.0	1.07	
			LZ	M_S=4.8		18.0	2.18	
SSE	28.4	315	+P	15 51 39.0	1.1			
			PMZ	m_b=4.9		1.1	0.029	
			esS	15 56 32.0	−4.4			
			LN	M_S=5.0		14.0	0.94	
			LE			12.0	1.11	
			LZ	M_S=4.4		18.0	0.91	
NJ2	30.6	314	−P	15 51 56.5	−0.8			
			LN	M_S=4.9		11.0	0.65	
			LE			12.0	0.69	
WHN	33.1	308	−P	15 52 19.7	0.0			
			PMZ	m_b=5.3		1.0	0.050	
			sP	15 52 32.5	0.1			
			eS	15 57 42.0	5.8			
			LN	M_S=5.1		12.0	1.32	
			LZ	M_S=4.7		24.0	1.84	
DL2	33.3	327	eP	15 52 21.5	0.1			
			eS	15 57 38.0	−1.3			
			LN	M_S=4.9		12.0	1.00	
QZN	33.8	286	eP	15 52 26.6	1.3			
			PP	15 53 39.0	0.7			
			eS	15 57 46.0	−0.4			
			SS	15 59 57.0	4.9			
			LE	M_S=5.0		16.0	1.60	
TIA	34.2	319	eP	15 52 28.0	−0.8			
			LN	M_S=5.0		13.0	1.20	
SNY	34.6	332	eP	15 52 32.8	0.6			
			eS	15 58 00.0	1.2			
			LN	M_S=5.1		33.0	2.28	
			LE			30.0	2.24	
			LZ	M_S=4.7		19.0	1.25	
MDJ	34.7	341	eP	15 52 32.0	−0.8			
			PP	15 53 45.0	−4.5			
			S	15 58 00.0	1.1			
			LN	M_S=5.2		14.0	1.08	
			LE			15.0	1.74	
CN2	35.4	336	eP	15 52 38.5	−0.8			
			pP	15 52 47.5	−0.7			
			eS	15 58 10.0	−1.5			
			LE	M_S=5.0		12.0	1.10	
			LZ	M_S=5.1		14.0	2.30	
BJI	37.2	323	eP	15 52 53.0	−1.1			
			eS	15 58 40.0	1.4			
			LN	M_S=4.9		10.0	1.57	
			LZ	M_S=4.7		16.0	0.94	
GYA	38.0	297	P	15 53 02.8	1.2			
			LE	M_S=5.2		15.0	1.88	
			LZ	M_S=4.9		18.0	1.55	
TIY	38.1	317	−iP	15 53 02.5	0.4			
			PMZ	m_b=5.2		1.0	0.040	
			sP	15 53 16.5	1.6			
			S	15 58 55.0	3.0			
			sS	15 59 12.5	4.6			
			LN	M_S=5.2		11.0	1.19	
			LE			12.0	0.87	
			LZ	M_S=5.0		14.0	1.67	
XAN	38.8	310	+P	15 53 07.2	−0.6			
			S	15 59 05.5	3.1			
			LN	M_S=5.2		9.0	1.14	
			LE			9.0	0.15	
HHC	40.4	321	eP	15 53 21.4	−0.1			
			S	15 59 25.0	−2.1			
			LN	M_S=5.1		13.0	0.74	
			LE			15.0	1.08	
			LZ	M_S=4.7		30.0	1.58	
BTO	41.3	319	eP	15 53 28.0	−0.3			
			esP	15 53 42.0	0.9			
			ePP	15 55 07.0	0.3			
			eS	15 59 40.5	−0.1			
			LN	M_S=5.2		16.0	1.10	
			LE			14.0	1.00	
			LZ	M_S=4.9		16.0	1.40	
CD2	41.7	303	+P	15 53 32.0	0.0			
			eS	15 59 45.1	−2.1			
			LN	M_S=5.2		10.0	1.09	
LZH	43.4	310	eP	15 53 46.5	0.4			
			PMZ	m_b=5.8		1.5	0.24	
			eS	16 00 12.0	−0.5			
			LN	M_S=5.0		15.0	0.87	
			LE			11.0	0.22	
GTA	47.7	313	+iP	15 54 19.4	−0.3			
			PMZ	m_b=5.4		0.7	0.037	
			sS	16 01 28.0	0.3			
			LN	M_S=5.1		12.5	0.82	
			LZ	M_S=5.0		16.0	1.20	
LSA	52.1	298	P	15 54 55.0	0.9			
			eS	16 02 16.0	0.6			
WMQ	57.7	314	P	15 55 34.0	−0.1			
			sP	15 55 48.0	1.0			
			PP	15 57 44.0	1.2			
			S	16 03 28.0	0.3			
			LN	M_S=5.2		12.0	0.56	
			LE			12.0	0.55	
			LZ	M_S=5.1		20.0	1.39	
KSH	65.7	308	eP	15 56 28.0	0.1			
			sP	15 56 43.0	2.1			
			eS	16 05 10.0	−0.6			
			LN	M_S=5.3		13.0	0.80	

MAR 27d 17h 20m 55.7±0.10s, SD3.68/9
31.48 N±0.83km, 103.97 E±0.93km, h11±0.23km
Sichuan Province (307)
M_L3.5/5,

GYA	5.5	154	Pg	17 22 29.8	−3.9

MAR 27d 18h 20m 09.2±0.06s, SD1.17/25
17.92 N±1.59km, 121.14 E±1.30km, h32±1.02km
Luzon (249)
M_L4.1/5,

QZN	10.8	278	P	18 22 44.4	0.0
			S	18 24 38.7	−5.9

GYA	15.9	305	P	18 23 53.2	1.3			
XAN	19.4	328	P	18 24 35.0	−0.8			
CD2	20.4	313	eP	18 24 46.0	−0.3			
TIY	21.1	341	eP	18 24 54.0	−0.1			
BJI	22.5	350	eP	18 25 07.0	0.0			
HHC	24.3	342	eP	18 25 26.6	1.5			
BTO	24.5	339	eP	18 25 26.2	−1.4			
CN2	26.1	7	P	18 25 43.0	1.2			

MAR 28d 12h 11m 33.2 ± 0.06s, SD1.07 / 28
3.03 S ± 0.99km, 130.42 E ± 1.66km, h33 ± 0.11km
Seram (272)
m_b4.8 / 2,

WHN	36.7	336	P	12 18 41.0	1.3			
			pP	12 18 46.5	−2.4			
GYA	37.2	323	P	12 18 44.8	0.7			
XAN	42.1	333	P	12 19 24.0	−0.1			
TIY	43.8	339	eP	12 19 38.4	−0.1			
BJI	44.8	344	eP	12 19 46.0	−0.2			
LZH	46.2	330	eP	12 19 58.5	1.3			
			PMZ	m_b = 4.9		1.5	0.026	
CN2	46.8	355	eP	12 20 02.0	−0.2			
MDJ	47.4	359	eP	12 20 07.5	0.5			
GTA	50.8	329	eP	12 20 33.0	0.2			
			PMZ	m_b = 4.7		1.0	0.010	
WMQ	60.3	326	eP	12 21 39.0	−2.9			

MAR 28d 13h 29m 13.8 ± 0.08s, SD0.82 / 102
34.26 N ± 1.02km, 24.71 E ± 1.06km, h54 ± 1.13km
Mediterranean Sea (400)
M_S5.2 / 21, m_B5.8 / 9, m_b5.4 / 8,

KSH	40.8	67	P	13 36 53.5	1.0			
			sP	13 37 07.0	−4.5			
			eS	13 43 02.0	2.5			
			LN	M_S = 5.2		11.0	1.10	
WMQ	48.8	59	−iP	13 37 57.0	1.0			
			PMZ			3.0	0.56	
			pP	13 38 07.0	−2.3			
			PP	13 39 54.0	5.6			
			S	13 44 59.0	6.5			
			ScS	13 47 36.0	−3.1			
			LN	M_S = 5.3		8.0	0.88	
			LZ	M_S = 5.1		22.0	2.23	
LSA	55.6	75	−P	13 38 47.3	−0.4			
			pP	13 39 01.0	0.2			
			eS	13 46 31.5	3.2			
GTA	58.7	61	P	13 39 08.0	−1.0			
			PMZ	m_b = 5.4		1.0	0.047	
			S	13 47 07.6	1.0			
			LN	M_S = 5.0		13.0	0.47	
			LZ	M_S = 5.0		20.0	1.13	
LZH	62.9	63	eP	13 39 37.5	−0.2			
			PMZ	m_b = 5.5		2.0	0.14	
			LZ	M_S = 5.0		20.0	1.05	
CD2	65.1	69	+P	13 39 50.2	−1.3			
			S	13 48 33.0	6.4			
			LZ	M_S = 5.3		20.0	1.80	
BTO	65.5	57	eP	13 39 54.0	−0.3			
			pP	13 40 09.0	0.9			
			ePP	13 42 23.0	3.4			
			eS	13 48 34.0	0.6			
			eSS	13 52 53.0	5.1			
			LN	M_S = 5.2		14.0	0.30	
			LE			14.0	0.60	
HHC	66.5	56	P	13 40 00.0	−0.4			
			pP	13 40 15.0	0.8			
			LN	M_S = 4.9		10.0	0.24	
			LZ	M_S = 5.4		22.0	2.40	
KMI	66.9	75	−P	13 40 03.0	−0.4			
			PMZ	m_B = 5.8		4.0	0.50	
			pP	13 40 17.0	0.0			
			eS	13 48 54.0	3.3			
			LZ	M_S = 5.0		25.0	1.30	
XAN	67.6	63	−P	13 40 07.5	0.1			
			S	13 49 03.0	6.0			
TIY	68.4	58	+P	13 40 13.0	0.1			
			pP	13 40 27.0	0.3			
			sS	13 49 34.0	1.2			
			LE	M_S = 5.2		14.0	0.58	
			LZ	M_S = 5.1		26.0	1.42	
GYA	69.4	72	P	13 40 18.0	−0.7			
			pP	13 40 33.0	0.6			
			S	13 49 25.0	6.5			
			LZ	M_S = 4.7		30.0	0.76	
BJI	70.0	55	eP	13 40 22.5	0.4			
			epP	13 40 37.0	1.0			
			eS	13 49 28.0	1.3			
			LZ	M_S = 5.0		24.0	1.10	
TIA	72.5	58	−P	13 40 37.7	0.6			
			LN	M_S = 5.2		30.0	1.29	
WHN	73.3	64	P	13 40 42.0	0.1			
			PMZ	m_b = 5.3		1.5	0.060	
			PMZ	m_B = 5.8		4.0	0.57	
			pP	13 40 54.0	−1.8			
			S	13 50 08.0	4.5			
			LZ	M_S = 5.1		24.0	1.40	
SNY	73.9	50	eP	13 40 45.5	−0.2			
			pP	13 40 56.0	−3.7			
			S	13 50 13.0	2.2			
			LN	M_S = 5.5		36.0	2.54	
			LE			34.0	1.59	
CN2	74.1	48	+P	13 40 46.5	0.0			
			PMZ	m_B = 5.6		4.0	0.30	
			pP	13 40 56.0	−4.4			
			eS	13 50 15.0	1.3			
			LE	M_S = 5.2		14.0	0.60	
			LZ	M_S = 5.3		18.0	1.50	
DL2	74.2	54	eP	13 40 48.0	0.8			
QZN	75.6	77	P	13 40 55.6	0.0			
			pP	13 41 09.0	−0.5			
			eS	13 50 32.5	1.2			
NJ2	75.8	61	−P	13 40 56.8	0.2			
			S	13 50 38.0	6.3			
			LZ	M_S = 4.8		24.0	0.65	
MDJ	76.1	45	eP	13 40 58.0	−0.2			
			pP	13 41 08.0	−4.1			
			S	13 50 40.0	5.2			
			SS	13 55 35.0	3.3			
			LN	M_S = 5.2		12.0	0.50	
			LZ	M_S = 5.0		30.0	1.05	
SSE	78.0	61	P	13 41 08.7	−0.2			
			S	13 50 57.0	1.5			
			LN	M_S = 5.0		14.0	0.34	
			LZ	M_S = 4.9		20.0	0.53	

MAR 28d 14h 00m 51.1 ± 0.08s, SD3.39 / 6
22.91 N ± 0.73km, 101.11 E ± 1.20km, h17 ± 1.35km
Burma–China border region (297)
M_L3.8 / 2,

GYA	6.2	54	Pn	14 02 25.2	3.3			

MAR 28d 14h 55m 26.9 ± 0.14s, SD2.37 / 19
37.28 N ± 1.92km, 69.61 E ± 1.77km, h35 ± 1.19km
Hindu Kush region (718)
M_S4.2 / 1, M_L4.1 / 1,

KSH	5.4	64	eP	14 56 52.0	4.0			

			eS	14 57 55.0	4.8		
			LN	$M_S = 4.2$		4.0	1.10
WMQ	15.2	59	P	14 59 05.0	3.9		
GTA	23.7	76	P	15 00 37.4	0.2		
CN2	42.2	63	eP	15 03 20.0	1.1		

MAR 28d 16h 47m 30.6 ± 0.07s, SD0.88 / 27
2.01 S ± 0.70km, 128.78 E ± 1.63km, h54 ± 0.23km
Ceram Sea (270)

WHN	35.2	338	P	16 54 23.2	1.4		
GYA	35.5	324	P	16 54 25.0	0.6		
XAN	40.4	334	P	16 55 05.5	−0.4		
TIY	42.3	341	−P	16 55 21.7	0.2		
BJI	43.4	346	eP	16 55 30.0	−0.2		
GTA	49.1	330	eP	16 56 13.0	−2.0		

MAR 28d 17h 05m 09.3 ± 0.17s, SD1.01 / 38
29.83 S ± 1.32km, 177.74 W ± 1.14km, h47 ± 1.18km
Kermadec Islands (178)

SSE	83.9	311	eP	17 17 40.0	3.6		
NJ2	86.0	310	−P	17 17 47.4	0.4		
MDJ	88.3	325	eP	17 17 58.0	0.1		
SNY	89.5	320	eP	17 18 03.7	0.1		
TIA	89.7	313	eP	17 18 05.1	0.2		
CN2	89.8	323	P	17 18 04.3	−0.9		
BJI	92.7	315	eP	17 18 18.0	−0.4		
TIY	93.7	312	eP	17 18 23.9	0.9		
XAN	93.9	307	P	17 18 24.4	0.1		

MAR 29d 00h 14m 53.3 ± 0.07s, SD0.97 / 94
27.21 N ± 1.12km, 140.50 E ± 1.25km, h283 ± 0.20km
Bonin Islands region (212)
m_B4.9 / 12, m_b4.9 / 10,

SSE	17.3	288	+P	00 18 39.0	0.0		
			PMZ	$m_b = 4.5$		1.0	0.024
			sS	00 21 42.0	2.2		
NJ2	19.4	290	+P	00 19 01.0	0.6		
			sP	00 20 14.5	−4.8		
			S	00 22 25.0	5.5		
			SMN	$m_B = 4.8$		7.0	0.79
			SME			5.0	0.55
MDJ	19.5	336	eP	00 19 01.0	0.2		
			pP	00 19 04.5	4.2		
DL2	19.6	311	eP	00 19 05.0	2.7		
			PMZ			3.0	0.51
			sP	00 20 20.0	−1.8		
			eS	00 22 27.0	3.3		
QZH	19.8	268	+P	00 19 06.5	2.3		
			sP	00 20 22.0	−2.2		
			S	00 22 28.5	1.9		
			SMN	$m_B = 4.9$		8.0	1.50
SNY	20.1	321	−iP	00 19 07.0	−0.3		
			PMZ	$m_B = 5.3$		6.0	0.85
			sP	00 20 23.0	−5.0		
			eS	00 22 32.0	−0.8		
CN2	20.5	328	−P	00 19 11.0	−0.5		
			PMZ	$m_B = 5.3$		5.0	0.60
			sP	00 20 34.0	0.9		
			S	00 22 40.0	0.4		
			PcP	00 23 10.0	−1.7		
TIA	21.8	300	−P	00 19 24.1	0.5		
			PMZ			3.0	1.30
			SMN	$m_B = 4.6$		9.0	0.51
			SME			9.0	0.53
WHN	23.1	284	eP	00 19 36.0	−0.3		
			PMZ	$m_b = 5.3$		1.0	0.12
			PMZ	$m_B = 5.4$		4.0	0.63
			sP	00 20 59.0	−1.6		
			eS	00 23 24.0	−0.5		
			SMN	$m_B = 4.7$		6.0	0.60
BJI	23.9	309	eP	00 19 43.0	−0.3		
			PMZ	$m_B = 5.1$		6.0	0.41
			esP	00 21 08.0	−0.1		
			eS	00 23 36.0	−1.0		
TIY	25.8	301	eP	00 20 01.0	−0.1		
			pP	00 20 57.5	4.0		
			S	00 24 13.5	5.8		
			LN			11.0	0.18
XAN	27.9	292	P	00 20 19.8	−0.6		
BTO	28.5	306	P	00 20 24.0	−1.0		
QZN	29.3	260	eP	00 20 32.0	−0.2		
			eS	00 25 02.0	−1.9		
GYA	30.2	276	P	00 20 39.4	−0.6		
			PcP	00 23 34.6	1.4		
			S	00 25 16.4	−0.2		
			ScP	00 26 49.0	2.0		
CD2	32.2	285	−iP	00 20 57.3	−0.6		
			S	00 25 47.0	−2.0		
KMI	33.9	275	+P	00 21 14.0	1.9		
GTA	35.8	300	−P	00 21 28.0	−0.5		
			PMZ	$m_b = 4.9$		1.0	0.048
			PP	00 23 02.0	5.0		
			PcP	00 23 50.0	0.9		
			S	00 26 43.4	−0.8		
			ScP	00 27 08.6	2.0		
			ScS	00 31 12.0	0.5		
WMQ	45.3	306	+iP	00 22 45.6	0.2		
KSH	54.3	301	eP	00 23 54.2	1.2		
			pP	00 24 57.0	3.3		
			eS	00 31 08.0	0.1		

MAR 29d 04h 06m 12.5 ± 0.20s, SD1.54 / 63
18.27 S ± 2.03km, 72.23 W ± 2.67km, h33 ± 1.68km
Off coast of Northern Chile (121)

KSH	145.3	46	PKP	04 25 50.0	1.7		
MDJ	148.0	330	ePKP	04 25 50.5	−2.2		
WMQ	149.4	29	PKP	04 25 55.0	−0.1		
CN2	150.5	333	ePKP	04 25 56.5	−0.1		
SNY	152.9	333	ePKP	04 25 57.4	−2.7		
BJI	157.1	343	ePKP	04 26 06.5	0.7		
TIY	160.2	349	ePKP	04 26 10.0	0.4		
TIA	160.3	337	ePKP	04 26 10.1	0.5		
LZH	161.9	10	ePKP	04 26 12.5	1.1		
XAN	164.3	356	PKP	04 26 14.0	0.4		
WHN	166.4	335	ePKP	04 26 16.5	1.0		
CD2	166.9	15	ePKP	04 26 15.0	−0.9		
GYA	171.8	7	PKP	04 26 19.4	0.5		
			PKP2	04 27 41.6	0.1		
			PP	04 31 32.4	−1.1		
QZN	177.9	291	ePKP	04 26 22.0	1.4		
			PKP2	04 28 06.0	−2.6		
			PP	04 32 02.0	−1.0		
			SKKS	04 38 43.0	−0.9		
			SS	04 53 30.0	−3.5		

MAR 29d 06h 00m 53.8 ± 0.09s, SD2.69 / 17
38.15 N ± 0.97km, 126.44 E ± 1.14km, h29 ± 1.40km
South Korea (231)
M_L3.9 / 12,

DL2	3.9	283	Pn	06 01 51.6	0.1		
			Pg	06 02 02.0	0.1		
			SMN	$M_L = 4.1$		1.0	0.60
			SME			1.0	0.30
SNY	4.3	330	Pg	06 02 08.5	−1.1		
			SMN	$M_L = 4.0$		1.0	0.20
			SME			1.0	0.37

CN2	5.7	353	Pn	06 02 17.0	0.1			
			ePg	06 02 34.9	0.5			
			eSg	06 03 46.4	−5.9			
MDJ	6.9	19	ePn	06 02 36.5	3.4			
			Pg	06 02 59.0	3.7			
			Sg	06 04 27.5	−1.9			
			SMN	M_L = 3.8		0.8	0.050	
GYA	20.3	241	P	06 05 33.8	3.0			

MAR 29d 11h 25m 39.4 ± 0.10s, SD2.55 / 14
40.01 N ± 0.92km, 118.92 E ± 0.96km, h7 ± 0.43km
North-Eastern China (658)
M_L3.1 / 16,

BJI	2.1	272	Pg	11 26 17.0	0.3			
			Sg	11 26 45.0	−0.5			
			SMN	M_L = 2.7		0.5	0.054	
			SME			0.5	0.062	
DL2	2.4	117	Pg	11 26 24.2	2.9			
			Sn	11 26 44.4	−5.8			
			SMN	M_L = 3.2		0.5	0.20	
			SME			0.5	0.10	
SNY	4.0	61	ePg	11 26 48.2	−1.3			
			Sg	11 27 40.7	−2.9			
			SMN	M_L = 3.2		1.0	0.074	
			SME			1.0	0.028	
TIA	4.1	201	ePg	11 26 47.7	−3.3			
			eSg	11 27 41.4	−5.0			
			SMN	M_L = 2.7		0.6	0.012	
			SME			0.6	0.019	
			SMZ	M_L = 2.8		0.5	0.014	
TIY	5.6	248	ePg	11 27 21.8	4.1			
			eSg	11 28 32.2	−1.4			
			SMN	M_L = 3.3		0.6	0.020	
			SME			0.6	0.030	

MAR 29d 13h 24m 43.1 ± 0.14s, SD2.15 / 36
17.30 N ± 2.00km, 121.37 E ± 1.14km, h51 ± 2.23km
Luzon (249)
M_S4.0 / 1, M_L3.5 / 3, m_b4.7 / 1,

QZH	8.0	342	eP	13 26 44.7	4.8			
			S	13 28 04.0	−5.1			
			SMN	M_L = 3.4		0.5	0.010	
QZN	11.1	281	eP	13 27 23.4	1.5			
			eS	13 29 22.6	−2.0			
WHN	14.7	335	eP	13 28 09.5	0.4			
GYA	16.4	306	P	13 28 34.0	2.4			
CD2	21.0	313	P	13 29 24.7	0.1			
TIY	21.8	341	+P	13 29 34.1	1.3			
			LN	M_S = 4.0		12.0	0.22	
BJI	23.1	350	eP	13 29 45.5	0.0			
LZH	24.3	324	eP	13 30 00.5	2.9			
			PMZ	m_b = 4.7		1.5	0.044	
HHC	24.9	342	eP	13 30 04.6	1.0			
BTO	25.2	339	eP	13 30 06.6	0.6			

MAR 29d 19h 10m 54.1 ± 0.07s, SD0.71 / 33
5.47 S ± 0.79km, 154.52 E ± 0.44km, h162 ± 0.67km
Solomon Islands (193)
m_b4.7 / 1,

WHN	52.5	315	−P	19 19 52.0	−1.3			
TIA	54.3	323	eP	19 20 05.5	−0.6			
CN2	55.6	335	+P	19 20 15.6	−0.3			
BJI	57.4	326	eP	19 20 27.5	−0.9			
XAN	58.3	316	eP	19 20 34.4	−0.3			
CD2	60.5	310	P	19 20 49.4	−0.3			
HHC	60.6	324	eP	19 20 51.4	0.8			
GTA	67.3	317	−iP	19 21 34.0	−0.4			
			PMZ	m_b = 4.7		0.6	0.0090	

MAR 29d 21h 32m 54.7 ± 0.06s, SD0.99 / 75
36.56 N ± 1.07km, 70.57 E ± 0.97km, h206 ± 0.24km
Hindu Kush region (718)
m_B5.3 / 1, m_b4.9 / 5,

KSH	5.2	53	P	21 34 13.4	1.2			
			eS	21 35 16.0	3.8			
LSA	18.5	106	+P	21 36 59.6	1.0			
			iS	21 40 15.7	0.6			
			SME	m_B = 5.3		5.0	0.80	
GTA	23.2	74	+iP	21 37 45.8	1.3			
			PMZ	m_b = 5.3		1.0	0.085	
LZH	26.7	81	eP	21 38 17.5	−0.1			
			PMZ	m_b = 4.9		2.0	0.055	
CD2	28.1	92	eP	21 38 29.4	−0.2			
KMI	29.7	103	+P	21 38 43.5	−1.1			
BTO	30.9	70	−iP	21 38 55.2	0.5			
XAN	31.3	83	P	21 38 57.0	−0.7			
HHC	32.1	70	eP	21 39 05.2	0.5			
GYA	32.2	98	P	21 39 05.2	−0.8			
			PcP	21 41 47.8	−1.1			
			S	21 44 02.0	0.0			
			PcS	21 45 32.8	0.4			
TIY	33.2	75	−P	21 39 14.4	0.0			
			eS	21 44 19.0	0.7			
			sS	21 45 38.0	5.5			
BJI	35.7	70	eP	21 39 35.5	0.3			
			ePcP	21 41 57.5	−1.2			
			eScP	21 45 20.5	−3.1			
WHN	36.7	86	eP	21 39 44.0	−0.2			
QZN	38.6	106	eP	21 40 01.0	1.5			
NJ2	39.8	82	−P	21 40 10.0	0.3			
			PcP	21 42 10.2	−1.4			
CN2	41.9	63	eP	21 40 26.5	−0.2			
			epP	21 41 13.0	2.7			
			PcP	21 42 17.0	−1.4			
SSE	42.0	82	+P	21 40 28.0	0.3			
			PMZ	m_b = 4.7		0.6	0.014	
MDJ	44.7	61	eP	21 40 48.0	−1.1			

MAR 30d 03h 36m 42.7 ± 0.09s, SD1.11 / 64
5.07 N ± 0.97km, 127.26 E ± 1.48km, h94 ± 0.76km
Talaud Islands (263)

QZH	21.4	338	eP	03 41 24.5	−0.4			
QZN	21.9	311	eP	03 41 32.6	2.8			
			S	03 45 26.0	5.5			
SSE	26.5	348	eP	03 42 16.0	2.5			
			sP	03 42 48.0	2.2			
			S	03 46 44.0	5.7			
			LZ			19.0	0.46	
NJ2	28.0	345	eP	03 42 27.4	0.5			
WHN	28.1	336	eP	03 42 29.0	0.9			
GYA	29.0	319	P	03 42 34.4	−1.6			
TIA	32.4	345	eP	03 43 05.3	−0.4			
XAN	33.5	332	P	03 43 14.5	−0.9			
CD2	33.9	322	eP	03 43 18.2	−0.8			
TIY	35.2	339	eP	03 43 30.5	0.4			
BJI	36.2	346	eP	03 43 38.5	−0.2			
SNY	36.7	355	eP	03 43 43.6	0.5			
LZH	37.6	328	eP	03 43 51.5	0.8			
CN2	38.6	358	eP	03 43 58.0	−0.6			
BTO	38.6	339	eP	03 43 58.1	−0.7			
MDJ	39.4	3	eP	03 44 05.5	0.0			
GTA	42.2	328	eP	03 44 29.0	0.3			

MAR 30d 14h 12m 11.8 ± 0.08s, SD1.39 / 97
41.93 N ± 1.77km, 143.67 E ± 1.61km, h21 ± 0.50km
Hokkaido region (224)

M_S4.9 / 40, m_B5.5 / 4, m_b5.3 / 9,								
MDJ	10.6	289	eP	14 14 47.5	1.4			
			pP	14 14 50.5	−1.7			
			S	14 16 45.0	0.0			
			LE	M_S = 4.7		18.0	6.28	
			LZ	M_S = 4.9		18.0	9.25	
CN2	13.5	284	+P	14 15 25.0	0.0			
			epP	14 15 30.0	−0.7			
			S	14 17 55.0	0.1			
			LE	M_S = 4.9		14.0	5.00	
			LZ	M_S = 5.0		15.0	8.30	
SNY	15.0	276	+P	14 15 43.8	−0.5			
			sP	14 15 51.0	−3.1			
			S	14 18 30.0	0.2			
			LN	M_S = 4.8		12.0	2.02	
			LE			14.0	2.12	
			LZ	M_S = 4.5		20.0	2.66	
DL2	17.0	267	eP	14 16 12.0	1.1			
			sP	14 16 22.0	1.2			
			eS	14 19 20.0	1.3			
			LN	M_S = 4.5		11.0	0.90	
			LE			12.0	0.67	
BJI	20.8	274	eP	14 16 52.0	−2.7			
			esP	14 17 01.0	−4.1			
			eS	14 20 36.0	−5.2			
			LE	M_S = 4.9		14.0	2.50	
			LZ	M_S = 4.9		15.0	3.80	
SSE	21.0	246	+P	14 16 56.2	−0.5			
			PMZ	m_b = 4.8		1.5	0.064	
			sP	14 17 05.0	−2.0			
			S	14 20 40.0	−4.1			
			sS	14 20 52.0	−3.9			
			LN	M_S = 4.9		16.0	2.82	
			LZ	M_S = 4.3		20.0	1.21	
TIA	21.3	263	P	14 16 59.0	−1.2			
			LZ	M_S = 4.2		22.0	0.94	
NJ2	22.1	252	+P	14 17 03.6	−3.8			
			S	14 21 00.0	−4.2			
			LN	M_S = 4.9		13.0	1.52	
			LE			13.0	1.49	
			LZ	M_S = 4.7		14.0	2.01	
TIY	24.3	270	eP	14 17 28.0	−1.2			
			S	14 21 45.0	1.5			
			sS	14 21 56.0	0.3			
			LN	M_S = 5.0		17.0	1.93	
			LE			17.0	2.25	
			LZ	M_S = 4.8		16.0	2.62	
BTO	25.2	278	eP	14 17 38.0	−0.5			
			epP	14 17 42.5	−2.8			
			S	14 22 00.0	0.4			
			LN	M_S = 5.1		14.0	1.60	
			LE			19.0	3.00	
			LZ	M_S = 4.9		19.0	3.10	
WHN	26.1	254	P	14 17 46.5	0.0			
			PMZ	m_b = 5.2		1.2	0.070	
			PP	14 18 23.0	−4.5			
			S	14 22 13.0	−1.0			
			LN	M_S = 5.0		14.0	1.62	
			LE			14.0	1.04	
			LZ	M_S = 4.7		20.0	1.91	
QZH	26.8	239	eP	14 17 52.0	−0.6			
			S	14 22 28.0	3.0			
			LN	M_S = 4.8		15.0	1.32	
			LZ	M_S = 4.7		16.0	1.66	
XAN	28.4	265	P	14 18 10.0	3.0			
			S	14 22 52.0	1.7			
			LE	M_S = 4.8		15.0	1.07	
LZH	31.3	273	P	14 18 34.5	1.2			
			PMZ	m_b = 5.4		1.5	0.11	
			eS	14 23 38.0	0.0			
			LN	M_S = 4.8		13.0	0.63	
			LE			15.0	0.77	
			LZ	M_S = 4.8		16.0	1.44	
GZH	31.5	243	eP	14 18 36.2	1.3			
			eS	14 23 44.2	3.3			
			LN	M_S = 5.3		12.0	2.16	
			LE			14.0	1.84	
GTA	33.1	281	+iP	14 18 49.8	0.8			
			PMZ	m_b = 5.3		1.2	0.059	
			S	14 24 03.5	−1.5			
			ScP	14 25 15.7	2.5			
			ScS	14 29 10.0	−2.1			
			LN	M_S = 4.9		13.0	1.06	
			LZ	M_S = 4.9		16.0	1.80	
CD2	33.7	264	eP	14 18 53.0	−0.9			
			S	14 24 10.0	−4.0			
			LN	M_S = 5.0		13.0	1.07	
			LZ	M_S = 4.7		15.0	0.97	
GYA	34.0	255	P	14 18 55.6	−1.1			
			S	14 24 17.0	−1.8			
			ScS	14 29 18.0	1.3			
			LN	M_S = 4.9		14.0	1.09	
QZN	36.7	242	eP	14 19 20.9	1.5			
			eS	14 25 03.0	1.8			
			LN	M_S = 5.2		17.0	1.50	
			LE			16.0	1.20	
KMI	37.6	257	−P	14 19 27.5	−0.1			
			pP	14 19 33.5	−1.2			
			S	14 25 14.0	−0.8			
			LZ	M_S = 5.0		16.0	1.80	
WMQ	40.4	292	P	14 19 51.0	0.4			
			ScP	14 25 41.0	0.9			
			S	14 25 58.0	1.3			
			LE	M_S = 5.5		15.0	3.58	
			LZ	M_S = 5.4		17.0	4.36	
LSA	43.7	271	eP	14 20 19.6	1.6			
			S	14 26 40.5	−4.6			
			SME	m_B = 5.7		6.0	0.70	
KSH	50.2	291	eP	14 21 09.0	0.3			
			eS	14 28 20.0	1.4			
			LE	M_S = 5.5		14.0	2.00	
			LZ	M_S = 5.5		16.0	3.60	

MAR 30d 14h 27m 13.8 ± 0.12s, SD3.84 / 7
42.05 N ± 1.61km, 90.66 E ± 1.00km, h9 ± 0.02km
Southern Xinjiang Province (321)
M_L3.4 / 7,

WMQ	2.8	310	Pn	14 28 01.4	2.2			
			Sg	14 28 42.2	0.7			
			SMN	M_L = 3.3		0.5	0.14	
			SME			0.5	0.12	
GTA	7.4	108	Pn	14 29 08.4	5.4			
			Sg	14 31 01.0	−5.7			
			SMN	M_L = 3.4		1.0	0.018	
			SME			0.8	0.011	

MAR 30d 16h 36m 25.1 ± 0.18s, SD1.31 / 45
41.23 N ± 2.16km, 44.03 E ± 1.41km, h14 ± 0.51km
Turkey–USSR border region (367)
m_b4.9 / 2,

KSH	24.3	83	eP	16 41 44.0	0.4			
WMQ	32.0	71	P	16 42 53.0	−0.9			
GTA	42.0	73	eP	16 44 16.0	−1.8			
			PMZ	m_b = 4.7		1.2	0.015	
LZH	46.2	76	eP	16 44 53.5	1.4			
			PMZ	m_b = 5.2		1.0	0.038	

CD2	48.5	82	eP	16 45 08.7	−1.5			
BTO	48.8	68	eP	16 45 14.8	2.7			
KMI	50.8	89	eP	16 45 27.5	−0.3			
TIY	51.7	70	eP	16 45 34.8	0.4			
GYA	53.0	85	P	16 45 44.6	0.2			
BJI	53.3	66	eP	16 45 45.0	−1.1			
WHN	56.6	77	P	16 46 11.5	1.3			
NJ2	59.0	73	+P	16 46 28.6	0.9			
SSE	61.2	73	eP	16 46 43.5	0.8			

MAR 30d 20h 10m 06.4 ± 0.13s, SD1.74 / 25
16.06 N ± 1.31km, 119.72 E ± 1.21km, h38 ± 1.26km
Luzon (249)
M_S4.6 / 1, m_b4.8 / 1,

QZN	9.9	289	eP	20 12 27.0	−2.0			
WHN	15.2	342	eP	20 13 44.2	3.5			
CD2	20.8	318	eP	20 14 47.2	0.3			
TIY	22.5	345	eP	20 15 04.0	−0.4			
			LN	M_S = 4.6		11.0	0.79	
			LZ	M_S = 4.5		13.0	0.96	
BJI	24.1	353	P	20 15 19.0	−0.7			
LZH	24.5	328	eP	20 15 24.0	0.6			
			PMZ	m_b = 4.8		1.2	0.048	
HHC	25.7	346	eP	20 15 36.6	1.4			
GTA	29.1	327	+P	20 16 05.4	−0.4			

MAR 30d 20h 38m 36.1 ± 0.08s, SD1.56 / 44
22.58 N ± 1.86km, 121.92 E ± 1.44km, h22 ± 1.14km
Taiwan region (243)
M_S4.3 / 6, M_L4.1 / 14,

QZH	3.9	308	−iPn	20 39 34.8	0.2			
			SMN	M_L = 4.1		0.3	0.55	
			SME			0.3	0.29	
GZH	7.9	275	eP	20 40 31.9	−1.2			
SSE	8.5	356	eP	20 40 41.1	−0.1			
			SMN	M_L = 3.9		1.0	0.012	
			SME			1.0	0.039	
NJ2	9.8	345	+P	20 41 00.5	1.1			
			LN	M_S = 3.8		11.0	0.28	
			LE			11.0	0.35	
			LZ	M_S = 3.6		14.0	0.41	
WHN	10.4	321	eP	20 41 06.5	−1.3			
			sP	20 41 15.5	−1.9			
			SMN			1.2	0.13	
			SME			1.2	0.12	
			LN	M_S = 4.4		6.0	0.79	
			LE			8.0	0.78	
QZN	11.8	255	eP	20 41 31.2	4.3			
GYA	14.4	289	P	20 42 01.0	−0.3			
CD2	18.2	301	eP	20 42 50.2	0.6			
BTO	20.6	333	eP	20 43 17.5	0.7			
			LN	M_S = 4.4		12.0	0.60	
			LE			12.0	0.30	
			LZ	M_S = 4.2		12.0	0.60	
LZH	20.7	315	eP	20 43 18.0	0.3			
CN2	21.4	7	P	20 43 25.0	0.5			
MDJ	22.9	14	eP	20 43 40.5	1.0			
GTA	25.2	317	eP	20 44 03.7	1.3			

MAR 30d 20h 39m 28.9 ± 0.08s, SD0.75 / 82
19.57 S ± 1.13km, 175.78 W ± 1.22km, h229 ± 0.37km
Fiji region (181)
m_B6.0 / 42, m_b6.0 / 13,

SSE	78.7	309	+P	20 51 07.2	−0.8			
			PMZ	m_B = 5.8		4.0	0.86	
			pP	20 52 00.0	−1.9			
			sP	20 52 24.0	−1.9			
			S	21 00 44.0	0.1			
			ScS	21 01 04.0	0.1			
			LN			18.0	1.31	
			LZ			20.0	0.93	
NJ2	80.9	309	−iP	20 51 20.0	0.3			
			PMZ	m_B = 6.0		4.0	1.15	
			pP	20 52 16.8	2.9			
			sP	20 52 38.0	0.2			
			S	21 01 09.0	2.2			
MDJ	81.0	324	−iP	20 51 20.6	0.5			
			PMZ			3.0	1.23	
			pP	20 52 14.0	−0.2			
			sP	20 52 38.0	−0.2			
			S	21 01 10.0	2.6			
			SMN	m_B = 6.3		7.0	3.81	
			SKS	21 01 14.0	2.6			
			sS	21 02 42.0	−1.4			
GZH	81.1	298	−iP	20 51 20.8	0.1			
			PMZ	m_B = 5.7		5.0	0.77	
			pP	20 52 18.0	3.1			
			eS	21 01 17.0	6.7			
QZN	82.4	293	P	20 51 27.2	−0.2			
			PMZ	m_B = 5.7		6.0	0.83	
			pP	20 52 22.0	0.4			
			sP	20 52 50.0	4.4			
			eS	21 01 19.0	−4.4			
			sS	21 02 58.0	0.0			
DL2	82.5	316	−P	20 51 28.0	0.0			
			PMZ	m_B = 6.1		4.0	1.50	
			epP	20 52 23.0	0.8			
			iS	21 01 26.5	2.0			
			SMN	m_B = 6.3		5.0	1.40	
			SME			5.0	1.80	
CN2	82.9	321	−iP	20 51 29.8	0.0			
			PMZ	m_B = 6.2		4.5	2.10	
			pP	20 52 25.0	0.9			
			sP	20 52 49.0	1.1			
			iS	21 01 27.0	−1.1			
			SMN	m_B = 5.9		6.0	1.10	
SNY	82.9	319	−iP	20 51 29.0	−0.8			
			PMZ	m_B = 6.2		4.0	1.92	
			pP	20 52 24.0	−0.1			
			sP	20 52 49.0	1.1			
			iS	21 01 28.0	−0.1			
			SMN	m_B = 6.0		10.0	2.11	
			sS	21 03 00.0	−2.9			
WHN	83.6	305	−iP	20 51 34.0	0.5			
			PMZ	m_b = 6.0		1.5	0.43	
			PMZ	m_B = 6.0		4.0	1.26	
			pP	20 52 28.0	0.1			
			S	21 01 34.0	0.3			
			SMN	m_B = 5.9		8.0	0.99	
			SME			8.0	0.86	
TIA	84.2	312	P	20 51 36.4	−0.2			
			PMZ	m_B = 5.9		4.0	0.98	
			epP	20 52 31.0	0.0			
			S	21 01 38.4	−1.3			
			SMN	m_B = 6.0		7.0	0.85	
			SME			7.0	1.30	
			esS	21 03 16.0	−0.6			
BJI	86.7	315	−P	20 51 49.0	0.1			
			PMZ			3.0	1.60	
			pP	20 52 44.0	0.4			
			sP	20 53 09.0	1.6			
			eSKS	21 01 49.0	−1.1			
			eS	21 02 04.0	−1.4			
GYA	88.0	299	−P	20 51 55.0	−0.2			
			PMZ	m_B = 6.0		4.0	1.23	
			pP	20 52 52.5	2.7			

			sP	20 53 19.0	5.4		
			PP	20 55 22.0	−4.6		
			LN			6.0	0.78
			LE			6.0	1.84
XAN	89.2	307	−iP	20 52 01.0	0.1		
			PMZ	$m_B = 6.2$		4.0	1.57
			pP	20 52 56.0	0.3		
HHC	90.2	314	+iP	20 52 06.0	0.5		
			pP	20 53 01.5	1.2		
			SKS	21 02 10.0	−1.7		
KMI	90.8	296	−iP	20 52 09.5	1.2		
			PMZ			3.0	1.10
			pP	20 53 07.0	4.0		
			sP	20 53 32.0	5.2		
			SKS	21 02 19.0	3.9		
			SMN	$m_B = 5.9$		7.0	0.80
BTO	91.2	313	+P	20 52 09.5	−0.4		
			pP	20 53 08.0	3.3		
			PP	20 55 48.0	−2.7		
			SKS	21 02 16.5	−0.7		
			S	21 02 45.0	0.6		
CD2	92.1	302	P	20 52 14.2	0.2		
			PMZ	$m_B = 6.1$		5.0	1.44
			pP	20 53 10.0	1.1		
			esP	20 53 37.5	4.8		
			SKS	21 02 24.0	1.8		
			eS	21 02 52.0	−2.0		
LZH	93.9	307	−iP	20 52 23.0	0.6		
			PMZ	$m_b = 6.1$		1.5	0.29
			PMZ	$m_B = 5.9$		4.0	0.56
			pP	20 53 17.0	−0.3		
			PP	20 56 09.0	−4.1		
			SKS	21 02 33.0	0.7		
			eS	21 03 15.0	5.1		
			LZ			34.0	1.07
GTA	98.0	309	−iP	20 52 40.8	−0.4		
			PMZ	$m_b = 5.6$		1.4	0.059
			SKS	21 02 55.0	0.2		
			LE			8.0	0.48
KSH	116.1	305	ePKP	20 57 43.0	−2.9		
			sPKP	20 59 09.0	1.8		

MAR 31d 00h 44m 12.5 ± 0.12s, SD1.30 / 47
31.84 N ± 2.98km, 37.43 E ± 1.56km, h27 ± 0.33km
Dead Sea region (373)
m_b4.9 / 2,

KSH	32.0	65	eP	00 50 41.0	1.6		
WMQ	40.9	58	+iP	00 51 55.0	0.4		
			PMZ	$m_b = 5.1$		0.7	0.020
			PP	00 53 28.5	−3.5		
			S	00 58 09.0	5.5		
GTA	50.4	63	+iP	00 53 10.6	0.4		
			PMZ	$m_b = 4.8$		0.8	0.010
LZH	54.3	66	eP	00 53 39.0	−0.4		
BTO	57.7	59	eP	00 54 04.0	0.1		
HHC	58.8	59	+P	00 54 12.0	0.7		
GYA	59.8	76	P	00 54 17.0	−1.5		
TIY	60.4	62	eP	00 54 22.5	0.1		
BJI	62.4	58	eP	00 54 35.5	−0.2		
WHN	64.4	69	eP	00 54 49.5	0.2		
NJ2	67.4	65	−P	00 55 07.8	−0.2		
CN2	67.5	52	eP	00 55 06.0	−2.7		

MAR 31d 08h 28m 16.1 ± 0.12s, SD2.32 / 41
37.22 N ± 2.03km, 69.65 E ± 1.82km, h33 ± 0.63km
Hindu Kush region (718)
M_S4.6 / 9, M_L4.9 / 1,

KSH	5.4	63	P	08 29 40.5	3.4		
			eS	08 30 46.0		6.5	
			LN		$M_S = 5.1$		5.0	12.0
			LZ		$M_S = 5.1$		6.0	9.30
WMQ	15.2	59	P	08 31 54.0	3.6		
			pP	08 31 59.0	1.4		
			S	08 34 44.5	6.6		
			sS	08 34 52.5	2.6		
			LN		$M_S = 4.7$		8.0	1.15
			LE				8.0	0.99
			LZ		$M_S = 4.3$		12.0	1.02
GTA	23.7	75	P	08 33 26.4	0.0		
			LE		$M_S = 4.6$		9.0	0.64
			LZ		$M_S = 4.5$		12.0	0.98
LZH	27.4	82	eP	08 34 06.0	5.2		
			LZ		$M_S = 4.5$		8.0	0.50
BTO	31.4	71	eP	08 34 38.9	2.1		
			epP	08 34 49.0	3.3		
			eS	08 39 45.0	3.8		
			LN		$M_S = 4.6$		13.0	0.30
			LE				13.0	0.50
			LZ		$M_S = 4.7$		13.0	1.00
GYA	33.0	98	P	08 34 49.0	−2.0		
TIY	33.7	76	eP	08 34 59.1	2.0		
			LE		$M_S = 4.5$		11.0	0.33
			LZ		$M_S = 4.6$		14.0	0.71
QZN	39.5	106	eP	08 35 49.0	3.7		
CN2	42.2	63	eP	08 36 11.0	2.7		

MAR 31d 10h 40m 15.8 ± 0.05s, SD0.78 / 28
52.75 N ± 1.31km, 34.92 W ± 0.72km, h10 ± 0.06km
North Atlantic Ocean (402)

GTA	80.2	34	P	10 52 27.6	−1.4
BTO	82.2	26	eP	10 52 40.5	1.0
CN2	82.4	14	P	10 52 39.4	−0.8
BJI	84.2	22	eP	10 52 49.5	−0.4
WHN	92.8	26	eP	10 53 30.0	−0.9