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Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
AUG 1d 03h 22m 44.6 ± 0.03s, SD1.04 / 119							
27.06 S ± 0.93km, 176.26 W ± 0.85km, h33 ± 0.14km							
Kermadec Islands region					(177)		
M_S5.5 / 1, m_B5.7 / 2, m_b5.4 / 27							
QZH	81.3	304	eP	03 35 00.3	0.1		
SSE	83.1	310	+P	03 35 09.1	−0.2		
			PMZ	m_b = 4.9		1.0	0.013
			sP	03 35 24.0	1.2		
			S	03 45 30.0	5.8		
			sS	03 45 40.0	−1.8		
			LZ	M_S = 4.8		20.0	0.46
NJ2	85.3	310	+P	03 35 20.6	0.4		
			sP	03 35 32.2	−1.5		
MDJ	86.8	325	+P	03 35 26.5	−1.1		
			PMZ	m_b = 5.2		1.0	0.022
DL2	87.6	316	eP	03 35 31.5	0.1		
WHN	87.6	306	−iP	03 35 33.0	1.5		
			PMZ	m_b = 6.0		1.5	0.20
SNY	88.2	320	eP	03 35 33.4	−1.2		
			PMZ	m_b = 5.3		1.4	0.034
CN2	88.4	322	+P	03 35 34.0	−1.6		
			PMZ	m_b = 5.1		1.0	0.015
			pP	03 35 44.0	−1.3		
			LZ	M_S = 5.0		20.0	0.60
TIA	88.8	312	eP	03 35 38.0	0.4		
GYA	91.2	299	P	03 35 49.0	0.0		
			PMZ	m_b = 5.7		1.6	0.080
BJI	91.6	315	eP	03 35 50.0	−0.7		
			PMZ	m_b = 5.8		2.0	0.11
			eSKS	03 46 16.0	−1.8		
TIY	92.8	311	eP	03 35 56.0	−0.1		
			sP	03 36 10.0	0.4		
			LN	M_S = 5.5		13.0	0.63
			LZ	M_S = 5.3		16.0	0.81
XAN	93.3	307	P	03 35 58.5	0.0		
KMI	93.7	296	−P	03 36 02.5	2.1		
			PMZ	m_b = 6.0		1.5	0.10
HHC	95.0	314	P	03 36 07.0	0.7		
			SKS	03 46 37.9	1.1		
			LZ	M_S = 5.0		18.0	0.48
CD2	95.6	302	P	03 36 11.0	2.1		
BTO	95.9	313	eP	03 36 11.6	1.3		
LZH	98.0	306	eP	03 36 20.0	0.3		
			PMZ	m_b = 5.7		2.0	0.032
			PMZ	m_B = 5.9		8.0	0.24
			sP	03 36 31.0	−2.0		
			LZ	M_S = 4.9		20.0	0.35
AUG 1d 05h 22m 19.5 ± 0.11s, SD1.85 / 84							
17.06 S ± 1.45km, 174.44 E ± 0.95km, h13 ± 0.52km							
Fiji region					(181)		
M_S5.3 / 2, m_b5.0 / 8,							
NJ2	72.2	313	eP	05 33 50.0	3.0		
			LZ	M_S = 4.8		20.0	0.59
MDJ	73.7	328	eP	05 33 59.0	3.2		
CN2	75.3	326	eP	05 34 04.6	−0.4		
			PMZ	m_b = 4.7		1.0	0.010
			LZ	M_S = 5.2		20.0	1.30
BJI	78.5	318	eP	05 34 22.0	−0.8		
			eS	05 44 18.0	0.1		
			LZ	M_S = 4.9		22.0	0.62
XAN	80.4	310	eP	05 34 31.5	−1.7		
KMI	81.4	300	eP	05 34 37.5	−1.3		
			eS	05 44 50.0	1.0		
			LZ	M_S = 5.0		22.2	0.70
HHC	81.9	317	eP	05 34 45.0	3.9		
			LZ	M_S = 5.2		24.0	1.21
CD2	82.9	305	P	05 34 45.0	−1.4		
			SKS	05 45 05.0	2.6		
LZH	85.0	310	eP	05 34 57.5	0.3		
			PMZ	m_b = 5.0		2.0	0.030
			eS	05 45 26.0	0.6		
			eSS	05 51 04.0	4.5		
			LE	M_S = 5.5		20.0	1.20
			LZ	M_S = 5.3		28.0	1.70
GTA	89.3	312	eP	05 35 17.0	−0.9		
			pP	05 35 21.6	−2.2		
			sP	05 35 27.2	0.7		
			S	05 46 00.0	−3.7		
			LZ	M_S = 5.1		40.0	1.34
AUG 1d 06h 04m 03.6 ± 0.10s, SD1.45 / 44							
18.06 S ± 0.56km, 173.64 E ± 0.66km, h38 ± 0.74km							
Fiji region					(181)		
M_S5.4 / 1, m_b4.8 / 6,							
MDJ	74.2	329	eP	06 15 39.5	0.6		
SNY	75.4	324	eP	06 15 41.6	−4.5		
			LZ	M_S = 4.9		23.0	0.78
CN2	75.7	326	P	06 15 50.0	2.2		
			PMZ	m_b = 4.7		1.0	0.010
			epP	06 15 57.0	−1.3		
			LZ	M_S = 5.2		20.0	1.30
BJI	78.7	319	eP	06 16 09.0	4.4		
			esP	06 16 22.0	2.5		
			LZ	M_S = 4.8		28.0	0.70
XAN	80.5	310	P	06 16 16.6	2.6		
LZH	85.1	310	eP	06 16 36.5	−1.4		
			PMZ	m_b = 5.0		2.0	0.028
			sP	06 16 50.0	−2.7		
			eS	06 27 04.0	0.2		
			LE	M_S = 5.4		20.0	0.98
			LZ	M_S = 5.1		25.0	0.96
AUG 1d 18h 25m 44.8 ± 0.11s, SD2.36 / 41							
34.19 N ± 0.80km, 122.07 E ± 1.19km, h10 ± 0.04km							
Yellow Sea					(665)		
M_S3.7 / 8, M_L4.0 / 23,							
SSE	3.2	194	Pn	18 26 35.4	0.2		
			Pg	18 26 43.0	2.1		
			Sg	18 27 23.0	−1.3		
			SMN	M_L = 4.0		0.7	0.33
			SME			0.7	0.62
			LN	M_S = 3.5		12.0	1.07
			LE			12.0	0.55
			LZ	M_S = 3.5		12.0	0.90
NJ2	3.4	233	−Pn	18 26 39.2	0.4		
			+Pg	18 26 48.0	2.4		
			Sg	18 27 30.6	−2.0		
			SMN	M_L = 4.2		0.8	0.90
			SME			0.8	0.56
TIA	4.5	298	Pn	18 26 55.2	1.5		
			Pg	18 27 07.3	2.6		
			Sg	18 28 05.7	−0.8		
			SMN	M_L = 4.2		1.0	0.44
			SME			1.0	0.38
			SMZ	M_L = 4.3		1.0	0.33
DL2	4.7	356	Pn	18 26 55.4	−1.0		
			Pg	18 27 04.8	−3.3		

			Sn	18 27 50.0	−3.3			
			SMN	M_L=4.0		1.0	0.18	
			SME			1.0	0.28	
WHN	7.5	243	Pg	18 28 01.5	4.6			
			Sg	18 29 41.0	2.0			
			SMN	M_L=4.6		1.5	0.36	
			SME			1.2	0.10	
			LN	M_S=3.7		10.0	0.44	
			LE			12.0	0.46	
BJI	7.5	323	ePn	18 27 34.0	−0.6			
SNY	7.7	8	ePn	18 27 37.0	−0.5			
			Sn	18 29 09.4	1.9			
			SMN	M_L=3.9		0.8	0.030	
			SME			1.0	0.041	
TIY	8.6	297	eP	18 27 53.8	1.7			
			LN	M_S=3.8		10.0	0.54	
			LZ	M_S=3.9		12.0	0.84	
CN2	9.9	14	eP	18 28 11.0	−0.1			
			LZ	M_S=4.0		11.0	0.90	
HHC	10.7	312	eP	18 28 25.0	3.9			
			LE	M_S=3.6		7.0	0.16	
XAN	10.9	273	P	18 28 21.5	−2.8			
CD2	15.8	263	P	18 29 33.4	4.2			
GTA	18.6	293	eP	18 30 05.6	1.5			
			LN	M_S=4.0		10.0	0.26	
			LZ	M_S=4.0		10.0	0.32	

AUG 1d 22h 51m 17.4± 0.08s, SD4.36 / 7
38.73 N± 1.32km, 73.78 E± 0.35km, h27± 1.16km
Tadzhikistan−Xinjiang border region (719)
M_L3.6 / 2, m_b4.4 / 1,

KSH	1.8	64	Pg	22 51 53.4	2.9			
			Sg	22 52 15.5	−0.2			
			SMN	M_L=3.8		0.8	0.90	
			SME			0.5	1.10	
WMQ	11.6	60	P	22 54 02.8	−2.3			
GTA	20.2	80	eP	22 55 51.8	−1.6			
			PMZ	m_b=4.4		0.6	0.010	
			pP	22 55 56.8	−4.0			
			sP	22 55 59.4	−5.4			

AUG 2d 06h 27m 14.1± 0.05s, SD1.66 / 122
10.32 N± 0.78km, 125.24 E± 1.13km, h23± 0.25km
Mindanao (259)
M_S5.1 / 45, m_B5.1 / 2, m_b4.9 / 31

GZH	17.0	320	eP	06 31 13.0	0.1			
			LN	M_S=4.9		14.0	2.93	
			LE			12.0	0.78	
			LZ	M_S=4.8		16.0	3.80	
QZN	17.2	302	P	06 31 18.0	2.9			
			LN	M_S=4.8		16.0	2.59	
			LE			17.0	1.83	
SSE	21.0	350	+P	06 32 00.2	1.3			
			S	06 35 40.0	−6.4			
			SS	06 36 24.0	5.1			
			LN	M_S=5.1		14.0	1.43	
			LE			14.0	3.66	
			LZ	M_S=4.7		20.0	3.21	
NJ2	22.4	346	eP	06 32 16.0	3.0			
			LN	M_S=5.1		11.0	1.77	
			LE			11.0	2.65	
			LZ	M_S=4.5		20.0	1.72	
WHN	22.5	335	eP	06 32 14.0	−0.1			
			PMZ	m_b=5.2		1.5	0.15	
			PMZ	m_B=5.3		5.0	0.69	
			pP	06 32 19.5	−1.8			
			eS	06 36 16.0	0.7			
			LN	M_S=5.1		14.0	3.47	
			LE			12.0	1.61	
			LZ	M_S=4.8		16.0	2.38	
GYA	23.8	315	−P	06 32 28.4	1.9			
			PMZ	m_b=4.9		1.4	0.060	
			PMZ			3.0	0.50	
			S	06 36 40.0	3.1			
			SS	06 37 25.0	−1.4			
			LN	M_S=5.2		16.0	3.30	
			LE			16.0	3.80	
			LZ	M_S=4.4		24.0	1.60	
KMI	25.9	308	+iP	06 32 49.8	2.5			
			PMZ	m_b=5.0		1.5	0.050	
			sP	06 33 00.0	2.2			
			LN	M_S=4.5		11.0	0.40	
			LE			11.0	0.50	
			LZ	M_S=4.8		16.0	2.30	
TIA	26.8	345	eP	06 32 51.0	−4.0			
			eS	06 37 34.0	5.8			
			LE	M_S=5.1		13.0	2.68	
			LZ	M_S=4.5		22.0	1.46	
XAN	27.9	330	−P	06 33 03.5	−2.0			
			PP	06 33 58.0	3.6			
			S	06 37 50.0	4.2			
			LN	M_S=5.0		14.0	1.56	
			LE			14.0	1.30	
CD2	28.6	319	−eP	06 33 09.8	−1.5			
			S	06 38 02.0	5.8			
			LN	M_S=5.2		10.5	2.10	
			LE			12.0	1.50	
DL2	28.7	354	eP	06 33 15.0	3.3			
			S	06 38 00.0	3.0			
			LN	M_S=5.1		14.0	1.37	
			LE			14.0	2.25	
			LZ	M_S=4.5		20.0	1.23	
TIY	29.6	339	eP	06 33 21.3	0.9			
			S	06 38 15.0	2.6			
			LN	M_S=5.2		14.0	1.90	
			LE			14.0	2.29	
			LZ	M_S=4.9		18.0	2.43	
BJI	30.7	346	eP	06 33 27.0	−2.7			
			LN	M_S=4.9		12.0	1.24	
			LZ	M_S=4.7		20.0	1.81	
LZH	32.2	326	eP	06 33 42.0	−1.1			
			PMZ	m_b=5.5		2.0	0.18	
			pP	06 33 47.5	−2.8			
			PP	06 34 46.5	−2.8			
			eS	06 38 52.0	−1.7			
			LN	M_S=5.3		22.0	5.53	
			LZ	M_S=4.9		26.0	3.36	
HHC	32.7	341	eP	06 33 47.0	−0.9			
			LN	M_S=5.0		16.0	1.49	
			LE			13.0	0.82	
			LZ	M_S=5.0		18.0	3.02	
BTO	33.0	338	eP	06 33 49.6	−0.9			
			esP	06 34 02.0	0.8			
			LN	M_S=5.1		14.0	1.70	
			LE			14.0	1.00	
			LZ	M_S=4.8		14.0	1.40	
CN2	33.4	0	eP	06 33 53.0	−0.2			
			pP	06 34 01.0	0.3			
			LN	M_S=4.9		12.0	0.80	
			LE			12.0	0.80	
			LZ	M_S=5.3		14.0	4.20	
MDJ	34.4	6	eP	06 34 03.6	1.6			
			PMZ	m_b=5.2		1.5	0.060	
			LN	M_S=5.0		13.0	0.89	
			LE			14.0	1.31	
GTA	36.8	326	+iP	06 34 21.6	−0.9			

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			PMZ		$m_b = 5.2$		1.0	0.040
			sP	06 34 33.6		0.3		
			LN		$M_S = 5.2$		19.0	2.60
			LZ		$M_S = 5.0$		23.0	2.76
LSA	37.2	306	eP	06 34 23.5		−2.8		
WMQ	46.6	323	P	06 35 42.2		−0.4		
			PMZ		$m_b = 4.9$		1.5	0.030
			eS	06 42 25.0		−4.5		
			LN		$M_S = 5.6$		18.0	3.41
			LE				16.0	2.10

AUG 2d 23h 08m 53.8 ± 0.04s, SD1.10 / 118
14.47 S ± 1.20km, 167.20 E ± 0.91km, h145 ± 0.49km
Vanuatu (New Hebrides) (186)
m_b4.9 / 20,

MDJ	68.0	332	eP	23 19 38.6		−1.6		
			pP	23 20 14.9		0.4		
CN2	69.4	329	P	23 19 48.0		−0.6		
GYA	71.5	305	P	23 20 00.6		−0.9		
			PMZ		$m_b = 4.9$		1.4	0.030
TIY	73.0	317	−P	23 20 10.6		0.2		
			pP	23 20 46.8		1.8		
XAN	73.5	313	P	23 20 12.0		−0.9		
KMI	74.1	302	−iP	23 20 18.0		1.1		
			PMZ		$m_b = 5.1$		1.5	0.050
HHC	75.3	320	eP	23 20 23.4		−0.4		
CD2	75.8	308	P	23 20 25.7		−0.5		
LZH	78.1	312	eP	23 20 39.5		0.3		
			PMZ		$m_b = 4.8$		1.5	0.031
GTA	82.4	314	+P	23 21 02.6		0.4		
			PMZ		$m_b = 4.6$		1.0	0.010
LSA	85.4	302	eP	23 21 15.0		−2.2		

AUG 3d 02h 36m 06.7 ± 0.45s, SD2.49 / 9
24.21 N ± 3.05km, 122.32 E ± 2.70km, h10 ± 0.19km
Taiwan (244)
M_S3.5 / 1, M_L3.5 / 8,

QZH	3.5	283	ePn	02 37 02.2		1.0		
			Sn	02 37 40.5		−3.8		
			SMN		$M_L = 2.9$		0.8	0.043
			SME				0.6	0.033
SSE	6.9	352	P	02 37 51.2		0.1		
			sP	02 38 00.2		1.5		
			SMN		$M_L = 3.2$		1.0	0.010
			SME				1.0	0.013
NJ2	8.4	339	eP	02 38 09.4		−2.1		
			LE		$M_S = 3.5$		9.0	0.24

AUG 3d 04h 10m 42.0 ± 0.06s, SD2.47 / 26
38.25 N ± 0.56km, 119.67 E ± 0.62km, h10 ± 0.20km
North-Eastern China (658)
M_L3.8 / 27,

DL2	1.7	66	Pn	04 11 13.8		2.2		
			Pg	04 11 16.5		5.0		
			Sg	04 11 39.2		4.8		
			SMN		$M_L = 3.8$		0.5	0.67
			SME				0.5	1.65
TIA	2.9	226	ePn	04 11 25.3		−2.9		
			Pg	04 11 35.2		2.5		
			Sg	04 12 06.4		−5.6		
			SMN		$M_L = 3.8$		0.8	0.44
			SME				0.6	0.32
			SMZ		$M_L = 3.9$		0.6	0.31
BJI	3.3	304	Pn	04 11 31.5		−1.9		
			Pg	04 11 39.0		−0.4		
			Sg	04 12 19.0		−4.8		
			SMN		$M_L = 3.3$		0.5	0.10
			SME				0.5	0.10
SNY	4.7	39	ePn	04 11 54.6		1.8		
			Pg	04 12 10.4		6.0		
			Sg	04 13 13.6		5.4		
			SMN		$M_L = 3.6$		1.0	0.10
			SME				1.0	0.092
TIY	5.7	267	ePg	04 12 24.9		1.4		
			Sg	04 13 38.8		−2.9		
			SMN		$M_L = 3.6$		0.8	0.047
			SME				0.7	0.048
NJ2	6.2	186	ePg	04 12 33.5		1.7		
			SMN		$M_L = 3.9$		1.0	0.060
			SME				1.0	0.080
HHC	6.8	295	ePg	04 12 39.8		−2.1		
			Sn	04 13 44.2		2.8		
			SME		$M_L = 3.8$		0.8	0.046
CN2	7.1	36	ePn	04 12 30.0		4.3		
			eSn	04 13 46.8		−1.6		
			eSg	04 14 28.0		4.9		
			SMN		$M_L = 3.6$		0.8	0.020
			SME				0.8	0.030
BTO	7.8	290	ePg	04 13 03.6		3.2		

AUG 3d 08h 33m 16.3 ± 0.03s, SD1.31 / 226
29.31 N ± 0.68km, 129.08 E ± 0.63km, h17 ± 0.15km
Ryukyu Islands (238)
M_S5.9 / 62, M_L5.5 / 4, m_B5.7 / 18,

SSE	7.1	287	−Pn	08 35 01.0		1.6		
			PMZ		$m_b = 4.9$		1.0	0.087
			SMN		$M_L = 5.1$		1.0	1.00
			SME				1.0	0.84
			LN		$M_S = 5.6$		11.0	46.4
			LE				8.0	13.4
			LZ		$M_S = 5.6$		16.0	63.5
NJ2	9.2	290	−P	08 35 29.8		−2.0		
			PMZ		$m_b = 5.2$		1.4	0.11
			PMZ				13.0	0.97
			sP	08 35 41.0		0.4		
			S	08 37 13.0		−2.9		
			LN		$M_S = 5.8$		10.0	26.1
			LE				10.0	36.3
			LZ		$M_S = 5.3$		14.0	21.9
QZH	10.3	247	eP	08 35 48.0		1.2		
			S	08 37 40.0		−2.8		
			SS	08 37 54.0		−2.0		
			LN		$M_S = 5.9$		17.0	44.3
			LE				17.0	65.3
DL2	11.4	329	eP	08 36 00.0		−1.6		
			PMZ		$m_b = 5.8$		1.4	0.29
			S	08 38 08.0		−1.0		
			LN		$M_S = 6.1$		12.0	58.3
			LE				12.0	61.5
			LZ		$M_S = 5.8$		12.0	45.6
TIA	12.2	307	+P	08 36 10.9		−1.5		
			PMZ		$m_b = 5.7$		1.4	0.25
			PMZ		$m_B = 5.6$		12.0	1.60
			sP	08 36 19.0		−2.3		
			sS	08 38 38.0		−0.1		
			LN		$M_S = 5.8$		9.0	12.2
			LE				10.0	26.0
			LZ		$M_S = 5.4$		12.0	17.9
WHN	12.8	279	+iP	08 36 22.0		0.8		
			PMZ		$m_b = 5.6$		1.4	0.16
			PMZ				3.0	0.91
			LN		$M_S = 5.9$		10.0	37.1
			LE				11.0	14.8
			LZ		$M_S = 5.3$		16.0	17.9
SNY	13.3	342	−P	08 36 27.8		1.0		
			PMZ		$m_b = 5.3$		1.6	0.11

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			pP	08 36 35.0	3.0			
			iS	08 38 56.0	1.1			
			LN	M_S=6.4		13.0	68.5	
			LE			13.0	122	
			LZ	M_S=5.9		10.0	41.6	
CN2	14.7	350	P	08 36 48.0	1.6			
			PMZ	m_b=5.9		1.3	0.35	
			PMZ			3.0	1.60	
			epP	08 36 53.0	1.4			
			eS	08 39 32.0	1.6			
			LN	M_S=6.1		10.0	34.0	
			LE			10.0	27.0	
			LZ	M_S=6.3		10.0	83.0	
BJI	15.1	319	eP	08 36 51.5	1.1			
			PMZ	m_b=5.7		1.5	0.56	
			PMZ	m_B=5.9		4.0	2.22	
			LN	M_S=5.5		14.0	18.2	
			LZ	M_S=5.5		16.0	24.8	
MDJ	15.3	1	+P	08 36 55.5	2.2			
			PMZ	m_b=5.9		1.5	0.90	
			PMZ			3.0	5.05	
			pP	08 37 00.0	1.4			
			LN	M_S=5.9		15.0	31.8	
			LE			14.0	21.8	
GZH	15.4	250	P	08 36 57.0	1.9			
			PMZ	m_b=5.0		1.3	0.10	
			PMZ	m_B=5.4		4.0	0.63	
			S	08 39 52.0	6.4			
			LN	M_S=5.9		11.0	27.2	
			LE			7.0	13.5	
			LZ	M_S=5.8		12.0	35.5	
TIY	16.2	305	−iP	08 37 06.6	1.4			
			PMZ	m_b=5.3		1.5	0.21	
			PMZ	m_B=5.8		6.0	2.64	
			S	08 40 08.0	4.2			
			LN	M_S=5.7		13.0	19.6	
			LE			13.0	11.3	
			LZ	M_S=5.5		14.0	20.2	
XAN	17.8	290	−P	08 37 25.0	−0.2			
			PMZ	m_b=5.4		1.3	0.23	
			sP	08 37 39.0	4.6			
			LN	M_S=6.0		12.0	30.7	
			LE			14.0	14.4	
HHC	18.3	313	−iP	08 37 34.0	1.8			
			PMZ	m_b=5.4		1.6	0.28	
			LN	M_S=5.8		11.0	11.3	
			LE			11.0	14.9	
BTO	19.2	311	−iP	08 37 43.6	0.9			
			PMZ	m_B=5.6		5.0	1.40	
			pP	08 37 49.0	1.0			
			LN	M_S=5.8		12.0	20.2	
			LE			12.0	8.60	
			LZ	M_S=5.5		14.0	14.4	
GYA	20.0	267	−P	08 37 51.0	−0.7			
			PMZ	m_b=5.7		1.6	0.60	
			PMZ			3.0	1.40	
			LN	M_S=6.4		13.0	82.9	
			LE			13.0	23.7	
			LZ	M_S=5.5		16.0	17.2	
QZN	20.3	244	eP	08 37 55.0	0.6			
			PMZ	m_b=4.6		1.1	0.031	
			LN	M_S=5.6		13.0	2.22	
			LE			14.0	14.7	
CD2	22.0	280	−iP	08 38 11.2	−0.3			
			PMZ	m_b=6.0		1.2	0.86	
			PP	08 38 40.0	3.7			
			LN	M_S=6.4		10.0	51.5	
			LZ	M_S=6.0		10.0	30.1	
LZH	22.2	294	−iP	08 38 15.0	0.5			
			PMZ	m_b=5.8		2.0	0.76	
			PMZ	m_B=5.8		4.0	1.58	
			pP	08 38 21.0	0.4			
			sP	08 38 26.0	2.1			
			PP	08 38 43.0	2.7			
			PcP	08 42 07.0	−3.7			
			ScP	08 45 42.0	−3.9			
			PcS	08 45 46.5	−1.5			
			LN	M_S=5.9		11.0	18.4	
			LZ	M_S=5.7		12.0	16.6	
KMI	23.8	266	+P	08 38 31.5	2.1			
			PMZ	m_b=5.6		1.5	0.36	
			PMZ			3.0	0.50	
			LN	M_S=6.0		12.0	17.7	
			LE			13.0	19.2	
			LZ	M_S=5.7		18.0	23.0	
GTA	26.1	300	−iP	08 38 51.8	0.4			
			PMZ	m_B=5.8		3.5	0.84	
			pP	08 38 58.0	0.4			
			sP	08 39 03.8	3.0			
			PP	08 39 33.0	1.0			
			LN	M_S=6.0		10.0	15.0	
			LZ	M_S=5.9		15.0	22.7	
LSA	32.9	280	P	08 39 51.0	−2.0			
			S	08 45 12.0	4.1			
			LN	M_S=6.0		15.0	14.7	
			LE			14.0	5.70	
WMQ	35.9	305	P	08 40 17.4	−0.5			
			PMZ	m_b=5.4		2.0	0.13	
			pP	08 40 28.2	3.9			
			PP	08 41 42.0	3.5			
			S	08 45 58.0	4.6			
			LN	M_S=6.0		12.0	8.80	
			LE			12.0	8.30	
			LZ	M_S=5.5		20.0	8.80	
KSH	44.5	298	P	08 41 30.0	0.9			
			LN	M_S=6.4		11.0	9.40	
			LE			11.0	17.8	

AUG 3d 09h 28m 22.3±0.25s, SD3.60 / 6
23.57 N±1.88km, 120.64 E±1.00km, h10±km
Taiwan (244)
M_L3.4 / 6,

QZH	2.3	307	Pg	09 29 03.0	−0.2		
			Sn	09 29 33.5	2.2		
			SMN	M_L=3.4		0.1	0.32
			SME			0.1	0.22

AUG 3d 15h 27m 45.4±0.06s, SD3.05 / 6
44.66 N±0.37km, 81.12 E±0.57km, h19±0.37km
Kazakhstan–Xinjiang border region (331)
M_L3.4 / 6,

WMQ	4.8	98	ePg	15 29 08.6	−1.9		
			Sn	15 30 00.5	6.0		
			SMN	M_L=3.3		0.6	0.040
			SME			0.6	0.050

AUG 3d 18h 29m 37.2±0.08s, SD2.70 / 40
60.63 S±2.76km, 51.17 W±3.50km, h7±0.49km
Scotia Sea (150)
M_S5.9 / 3, m_b5.4 / 5,

CD2	145.9	139	ePKP	18 49 16.0	−2.0		
WHN	148.4	156	+PKP	18 49 25.0	3.0		
			LN	M_S=5.8		10.0	0.44
SSE	150.0	167	PKP	18 49 28.5	3.9		
			LN	M_S=6.0		8.0	0.43
			LE			8.0	0.44

			LZ		$M_S=5.4$		20.0	0.55
WMQ	150.3	106	PKP	18 49 29.0		3.8		
XAN	150.4	145	ePKP	18 49 24.5		−0.8		
NJ2	150.7	163	+PKP	18 49 30.0		4.4		
			LN		$M_S=5.9$		10.0	0.58
			LE				12.0	0.39
			LZ		$M_S=5.6$		14.0	0.59
LZH	150.7	136	−iPKP	18 49 30.0		4.1		
			LZ		$M_S=5.5$		10.0	0.32
GTA	152.1	126	−PKP	18 49 31.2		3.2		
TIY	154.8	148	ePKP	18 49 30.0		−1.6		
			LZ		$M_S=5.4$		18.0	0.49
MDJ	163.9	182	ePKP	18 49 46.7		4.7		

AUG 4d 02h 08m 26.0 ± 0.07s, SD2.09 / 58
24.95 N ± 0.95km, 122.11 E ± 1.00km, h7 ± 0.32km
Taiwan (244)
M_S4.7 / 32, M_L4.8 / 8, m_B5.2 / 2,

QZH	3.2	271	ePn	02 09 17.0		0.0		
			Sn	02 10 01.0		3.7		
			SMN		$M_L=4.2$		1.5	1.11
			SME				1.2	0.40
			LN		$M_S=4.5$		8.0	5.60
			LE				8.0	5.70
			LZ		$M_S=4.7$		8.0	9.54
SSE	6.2	353	+P	02 09 57.0		−3.0		
			SMN		$M_L=4.9$		1.0	0.63
			SME				1.0	0.87
			LN		$M_S=4.3$		12.0	3.21
			LE				12.0	1.64
			LZ		$M_S=4.4$		12.0	4.06
NJ2	7.6	339	+P	02 10 17.4		−3.1		
			sP	02 10 26.8		−0.8		
			S	02 11 41.2		−6.8		
			SMN		$M_L=5.1$		1.0	0.80
			SME				1.4	0.57
			LN		$M_S=5.0$		8.0	5.52
			LE				8.0	4.89
			LZ		$M_S=4.6$		10.0	4.42
XAN	14.6	311	eP	02 11 55.0		−0.5		
			S	02 14 37.6		−0.7		
			LN		$M_S=4.9$		10.0	2.40
			LE				10.0	1.30
TIY	15.2	329	eP	02 12 05.8		3.1		
			LN		$M_S=4.8$		11.5	2.44
			LZ		$M_S=4.8$		11.0	2.97
BJI	15.9	343	eP	02 12 13.0		1.5		
			LN		$M_S=4.6$		11.0	1.39
			LE				10.0	0.67
			LZ		$M_S=4.5$		12.0	1.51
CD2	17.3	294	eP	02 12 29.6		0.1		
			eS	02 15 38.0		−2.8		
			LN		$M_S=5.0$		8.0	2.30
			LZ		$M_S=4.8$		10.0	2.40
KMI	17.6	275	+P	02 12 37.5		4.2		
			PMZ				3.0	0.10
			LN		$M_S=4.5$		8.0	0.40
			LE				9.0	0.70
			LZ		$M_S=4.8$		12.0	2.50
HHC	18.1	334	P	02 12 43.0		2.5		
			pP	02 12 47.0		2.4		
			LN		$M_S=4.8$		10.0	1.50
			LE				10.0	0.70
BTO	18.6	330	eP	02 12 48.0		1.9		
			pP	02 12 52.0		1.9		
			LN		$M_S=5.0$		11.0	2.50
			LE				11.0	2.10
CN2	19.0	7	eP	02 12 52.5		1.5		
			PMZ		$m_b=4.2$		1.0	0.010
			PMZ				3.0	0.30
			LN		$M_S=4.7$		10.0	1.26
			LE				10.0	0.70
			LZ		$M_S=5.1$		10.0	3.80
LZH	19.2	310	−P	02 12 54.8		1.0		
			PMZ		$m_b=4.8$		2.0	0.088
			PMZ		$m_B=5.1$		5.0	0.46
			pP	02 13 00.5		2.7		
			sP	02 13 04.0		2.8		
			LE		$M_S=4.7$		10.0	1.16
			LZ		$M_S=4.6$		14.0	1.71
MDJ	20.5	15	eP	02 13 08.2		0.2		
			PMZ		$m_b=4.8$		1.5	0.060
			sP	02 13 18.0		2.2		
			LN		$M_S=4.7$		8.0	0.83
			LE				13.0	0.75
GTA	23.7	313	−P	02 13 40.0		0.6		
			PMZ		$m_b=4.6$		1.2	0.030
			PMZ		$m_B=5.3$		4.0	0.47
			LE		$M_S=4.9$		11.0	1.58
			LZ		$M_S=4.6$		12.0	1.21
WMQ	33.7	313	P	02 15 11.0		0.2		
			PMZ		$m_b=4.6$		1.0	0.010

AUG 4d 07h 45m 30.3 ± 0.03s, SD1.16 / 228
0.88 S ± 0.90km, 80.91 W ± 0.72km, h20 ± 0.24km
Off coast of Ecuador (104)
m_B5.5 / 2, m_b5.3 / 65,

WMQ	136.1	12	PKP	08 04 48.0		−3.5		
BJI	138.0	340	ePKP	08 04 55.0		−0.1		
HHC	138.6	346	ePKP	08 04 57.9		1.6		
TIA	141.1	337	ePKP	08 05 00.9		0.3		
TIY	141.3	343	ePKP	08 05 02.0		0.9		
GTA	141.7	359	PKP	08 05 02.0		0.3		
			PP	08 08 03.6		−4.4		
			PPMZ		$m_B=5.5$		10.0	0.26
			SS	08 26 30.0		−5.4		
			LZ		$M_S=5.2$		30.0	0.56
SSE	143.4	327	PKP	08 05 02.0		−2.5		
			SS	08 27 00.0		5.1		
			LZ		$M_S=5.3$		20.0	0.46
NJ2	143.8	331	ePKP	08 05 02.6		−2.6		
LZH	144.7	353	−iPKP	08 05 06.5		−0.5		
			PP	08 08 20.0		−6.3		
			PPMZ		$m_B=5.5$		10.0	0.27
			LZ		$M_S=5.3$		24.0	0.53
XAN	145.8	345	PKP	08 05 09.0		0.3		
WHN	147.1	335	ePKP	08 05 12.5		1.6		
CD2	149.8	352	ePKP	08 05 16.6		1.3		
LSA	150.4	14	PKP	08 05 19.2		2.6		
GYA	153.5	345	PKP	08 05 25.8		4.9		
KMI	155.6	352	−PKP	08 05 26.0		2.3		

AUG 4d 08h 55m 06.1 ± 0.05s, SD1.95 / 25
38.36 N ± 0.68km, 74.71 E ± 0.64km, h23 ± km
Tadzhikistan−Xinjiang border region (719)
M_L4.6 / 3, m_b4.5 / 9,

KSH	1.5	39	Pn	08 55 36.7		4.3		
			SMN		$M_L=4.7$		0.3	7.30
			SME				0.5	10.3
WMQ	11.2	57	eP	08 57 45.5		−3.1		
GTA	19.6	79	P	08 59 35.6		−0.1		
			PMZ		$m_b=4.2$		0.8	0.010

AUG 4d 08h 55m 10.1 ± 0.08s, SD2.87 / 11
38.09 N ± 0.99km, 75.14 E ± 0.40km, h18 ± 0.93km
Tadzhikistan−Xinjiang border region (719)

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M_L4.3 / 4, m_b4.2 / 1,

KSH	1.6	23	Pg	08	55	37.7	−0.1	
			SMN			M_L=4.7	0.3	7.30
			SME				0.5	10.3
WMQ	11.1	55	eP	08	57	53.0	1.7	
			SMN				1.0	0.010
			SME				1.0	0.010
GTA	19.3	78	P	08	59	35.6	−1.5	
			PMZ			m_b=4.2	0.8	0.010

AUG 4d 10h 44m 22.4± 0.05s, SD1.53 / 9
35.92 N± 0.46km, 99.31 E± 0.37km, h10± 0.04km
Qinghai Province (325)
M_L3.3 / 6,

GTA	3.5	6	+iPg	10	45	26.0	1.4	
			Sg	10	46	13.0	0.8	
			SMN			M_L=2.7	1.2	0.018
			SME				1.2	0.027
LZH	3.7	86	−iPn	10	45	21.5	1.6	
			Sn	10	46	08.5	3.4	
			Sg	10	46	19.5	1.8	
			SMN			M_L=4.4	1.0	1.59
			SME				1.0	0.17

AUG 4d 12h 38m 23.2± 0.14s, SD1.78 / 82
24.31 N± 1.46km, 96.05 E± 0.91km, h5± km
Burma (296)
M_S5.1 / 44, M_L4.8 / 7, m_B5.4 / 2,

KMI	6.1	81	ePn	12	39	59.5	4.2	
			Sg	12	41	34.0	−1.8	
			SMN			M_L=5.2	1.5	1.71
			SME				1.5	1.41
			LN			M_S=4.9	10.0	6.70
			LE				8.0	6.10
			LZ			M_S=4.7	10.0	6.00
LSA	6.9	322	+iPn	12	40	11.0	4.9	
			Sn	12	41	30.0	2.9	
			Sg	12	41	59.0	−0.9	
			SMN			M_L=4.5	0.7	0.21
			SME				0.7	0.22
CD2	9.5	44	eP	12	40	46.0	2.2	
			PMZ			m_b=5.0	1.0	0.059
			eS	12	42	38.0	6.0	
			LE			M_S=5.2	7.0	7.20
			LZ			M_S=5.0	10.0	7.20
GYA	9.8	75	+iP	12	40	49.6	0.9	
			PMZ			m_b=4.7	1.2	0.030
			pP	12	40	54.0	1.5	
			PP	12	40	59.6	3.3	
			SMN				1.8	0.20
			SME				1.8	0.20
			LN			M_S=4.7	10.0	2.00
			LE				10.0	2.50
			LZ			M_S=4.5	12.0	3.00
LZH	13.5	28	eP	12	41	38.0	−0.8	
			PMZ			m_b=5.6	2.0	0.26
			PMZ			m_B=5.5	4.0	0.40
			pP	12	41	45.0	2.7	
			sP	12	41	50.0	4.3	
			LE			M_S=4.9	12.0	3.94
			LZ			M_S=4.6	12.0	2.42
QZN	13.9	110	eP	12	41	45.8	2.8	
			LN			M_S=5.2	14.0	6.70
			LE				13.5	4.30
XAN	14.8	46	P	12	41	54.2	−1.6	
			LN			M_S=5.2	12.0	5.56
			LE				12.0	3.32
GTA	15.4	11	eP	12	42	02.6	−0.6	
			pP	12	42	09.6	2.5	
			sP	12	42	15.4	5.1	
			LE			M_S=5.1	8.0	3.65
			LZ			M_S=5.0	10.0	4.80
GZH	15.9	91	eP	12	42	13.8	4.3	
			LN			M_S=5.7	9.0	15.5
			LE				5.0	1.64
			LZ			M_S=4.9	10.0	3.43
WHN	17.4	65	P	12	42	29.0	0.5	
			LN			M_S=5.0	12.0	3.10
			LE				13.0	2.09
			LZ			M_S=4.5	14.0	1.76
TIY	19.3	42	+P	12	42	51.8	−0.7	
			S	12	46	30.0	5.3	
			LN			M_S=4.9	8.0	1.66
			LZ			M_S=4.6	12.0	1.45
BTO	20.0	32	P	12	42	59.5	−0.8	
			pP	12	43	05.0	0.5	
			S	12	46	42.0	2.2	
			LN			M_S=4.8	11.0	0.40
			LE				12.0	1.60
			LZ			M_S=5.0	12.0	4.10
QZH	20.5	84	eP	12	43	08.0	2.8	
			PcS	12	50	48.0	−4.6	
WMQ	20.6	343	+iP	12	43	07.0	0.5	
			PMZ			m_b=5.7	1.0	0.36
			sS	12	47	04.0	4.6	
			LN			M_S=4.9	10.0	1.39
			LE				10.0	0.95
			LZ			M_S=4.4	14.0	1.12
HHC	21.0	35	P	12	43	10.0	−0.4	
			PP	12	43	28.0	−4.3	
			S	12	46	54.0	−5.2	
			sS	12	47	08.0	1.0	
			LZ			M_S=4.9	12.0	3.08
NJ2	21.5	64	−P	12	43	14.4	−1.0	
			PMZ			m_b=5.4	1.4	0.20
			pP	12	43	20.0	0.1	
			S	12	47	10.0	1.1	
			LN			M_S=5.2	12.0	3.92
			LE				10.0	1.62
			LZ			M_S=4.5	14.0	1.18
TIA	21.7	52	P	12	43	16.8	−0.4	
			PMZ			m_b=5.5	0.5	0.10
			LN			M_S=5.0	8.0	1.01
			LE				10.0	1.48
			LZ			M_S=4.8	17.0	2.91
KSH	22.8	317	P	12	43	28.0	−0.2	
			S	12	47	31.0	−1.1	
			LN			M_S=5.2	9.0	1.20
			LE				10.0	2.80
BJI	23.1	42	+P	12	43	32.5	1.4	
			PMZ			m_b=5.5	1.5	0.26
			epP	12	43	36.0	0.5	
			LN			M_S=4.8	11.0	1.11
			LE				10.0	0.67
			LZ			M_S=4.4	14.0	0.88
SSE	23.2	67	P	12	43	31.5	−1.1	
			iS	12	47	44.0	2.8	
			LN			M_S=5.1	10.0	2.04
			LE				10.0	0.92
			LZ			M_S=4.9	12.0	2.26
DL2	26.1	50	eP	12	43	59.0	−0.9	
			PMZ			m_b=5.1	1.0	0.040
			S	12	48	31.0	2.1	
			LN			M_S=4.8	14.0	0.91
			LE				12.0	1.00
			LZ			M_S=4.4	16.0	0.87

SNY	28.8	46	+P	12 44 21.5	−2.8		
			PMZ	$m_b = 5.4$		1.6	0.12
			pP	12 44 25.5	−3.3		
			eS	12 49 14.0	0.9		
			LN	$M_S = 4.8$		12.0	0.78
			LE			10.0	0.63
			LZ	$M_S = 4.5$		18.0	1.01
CN2	30.9	44	eP	12 44 42.0	−1.6		
			PMZ	$m_b = 4.6$		1.0	0.010
			epP	12 44 48.0	−0.2		
			eS	12 49 43.0	−4.5		
			LN	$M_S = 4.8$		14.0	1.10
			LE			14.0	0.40
			LZ	$M_S = 4.8$		16.0	1.80
MDJ	33.9	45	eP	12 45 08.5	−1.5		
			PMZ	$m_b = 5.2$		1.5	0.060
			LN	$M_S = 4.8$		10.0	0.44
			LE			10.0	0.55

AUG 4d 14h 15m 37.5 ± 0.03s, SD1.07 / 52
3.63 S ± 0.49km, 126.16 E ± 0.68km, h32 ± 0.03km
Banda Sea (280)
m_b5.0 / 16,

GYA	35.4	329	P	14 22 32.2	−0.4		
WHN	35.8	342	eP	14 22 38.0	1.8		
NJ2	36.2	349	eP	14 22 39.4	0.2		
KMI	36.5	323	eP	14 22 42.5	−0.1		
CD2	40.5	330	P	14 23 15.4	0.3		
			PMZ	$m_b = 5.1$		1.2	0.035
XAN	40.8	338	P	14 23 18.0	−0.3		
TIY	43.1	344	eP	14 23 36.0	−0.6		
BJI	44.4	349	P	14 23 47.0	−0.4		
LZH	44.7	334	+P	14 23 50.0	0.2		
			PMZ	$m_b = 5.1$		1.5	0.040
			pP	14 24 03.0	4.2		
LSA	47.1	317	+P	14 24 10.8	1.3		
GTA	49.2	333	eP	14 24 25.8	0.4		
			pP	14 24 37.8	3.3		
WMQ	58.5	328	P	14 25 32.5	−1.1		

AUG 4d 22h 42m 16.0 ± 0.06s, SD1.42 / 8
24.93 N ± 0.51km, 98.98 E ± 0.33km, h9 ± 0.08km
Burma–China border region (297)
M_L3.4 / 5,

KMI	3.4	86	−Pg	22 43 18.0	1.1		
			Sg	22 44 02.5	−0.9		
			SMN	$M_L = 3.7$		1.5	0.14
			SME			1.5	0.30

AUG 5d 01h 53m 49.6 ± 0.05s, SD1.26 / 55
10.31 N ± 0.59km, 125.32 E ± 0.81km, h37 ± 0.25km
Mindanao (259)
M_S4.6 / 16, m_b4.7 / 17,

QZN	17.3	302	eP	01 57 49.0	−1.0		
			LN	$M_S = 4.3$		17.0	0.76
			LE			16.0	0.65
SSE	21.0	350	P	01 58 32.5	−0.3		
			PMZ	$m_b = 5.0$		2.0	0.15
			eS	02 02 21.0	1.0		
			LN	$M_S = 4.4$		14.0	0.36
			LE			13.0	0.69
			LZ	$M_S = 4.2$		20.0	0.92
WHN	22.6	335	eP	01 58 47.0	−1.2		
			S	02 02 50.0	2.2		
			LN	$M_S = 4.7$		14.0	1.39
			LE			13.0	0.47
			LZ	$M_S = 4.2$		20.0	0.75
GYA	23.9	315	P	01 59 02.0	1.2		
			pP	01 59 14.0	3.7		
			LN	$M_S = 4.9$		16.0	1.70
			LE			16.0	1.50
			LZ	$M_S = 4.5$		18.0	1.30
KMI	26.0	308	+P	01 59 24.0	2.4		
			PMZ	$m_b = 4.9$		1.5	0.050
XAN	28.0	330	P	01 59 37.8	−1.7		
			LN	$M_S = 4.8$		18.0	1.39
			LE			20.0	0.92
CD2	28.7	319	P	01 59 44.3	−1.1		
			PMZ	$m_b = 4.9$		0.8	0.019
TIY	29.6	339	eP	01 59 55.2	0.9		
			S	02 04 49.0	3.8		
			LE	$M_S = 4.6$		13.0	0.63
			LZ	$M_S = 4.4$		18.0	0.85
BJI	30.7	346	eP	02 00 05.0	1.4		
			eS	02 05 08.0	5.4		
			LZ	$M_S = 4.3$		18.0	0.59
SNY	31.4	358	eP	02 00 08.6	−1.4		
			S	02 05 10.0	−3.2		
			LE	$M_S = 4.5$		11.0	0.42
			LZ	$M_S = 4.4$		16.0	0.70
LZH	32.2	326	eP	02 00 16.5	−0.6		
			PMZ	$m_b = 5.2$		1.6	0.070
			sP	02 00 32.0	0.9		
			LE	$M_S = 4.8$		20.0	1.46
			LZ	$M_S = 4.2$		30.0	0.76
HHC	32.8	341	eP	02 00 20.0	−1.8		
			eS	02 05 38.0	2.9		
			sS	02 05 55.0	3.4		
			LN	$M_S = 4.4$		14.0	0.30
			LE			14.0	0.30
			LZ	$M_S = 4.6$		18.0	1.20
BTO	33.1	338	eP	02 00 23.9	−0.6		
			esP	02 00 33.5	−5.0		
			LN	$M_S = 4.5$		12.0	0.30
			LE			13.0	0.30
GTA	36.8	326	eP	02 00 55.4	−1.1		
			PMZ	$m_b = 4.6$		1.0	0.010
			pP	02 01 02.5	−3.9		
			LE	$M_S = 4.6$		12.0	0.42
			LZ	$M_S = 4.6$		22.0	1.00

AUG 5d 03h 21m 16.9 ± 0.04s, SD1.32 / 77
17.84 S ± 1.13km, 116.01 W ± 1.55km, h10 ± 0.37km
Easter Island Cordillera (684)
m_b4.9 / 15,

CD2	141.7	297	ePKP	03 40 51.2	1.3		
GTA	142.3	312	ePKP	03 40 47.0	−4.0		
WMQ	147.3	327	PKP	03 41 02.5	3.0		

AUG 5d 06h 05m 46.9 ± 0.05s, SD1.17 / 268
21.35 S ± 1.01km, 174.36 W ± 0.88km, h30 ± 0.15km
Tonga (173)
M_S5.7 / 37, m_B6.0 / 21, m_b5.7 / 72

QZH	79.7	302	+P	06 17 54.0	−0.4		
			PMZ	$m_b = 5.4$		0.7	0.035
			pP	06 18 00.0	−3.3		
			eS	06 28 00.0	5.9		
			LE	$M_S = 5.6$		19.0	1.61
SSE	80.9	308	P	06 17 57.5	−2.9		
			PMZ	$m_b = 4.8$		1.0	0.012
			PMZ	$m_B = 5.8$		9.0	0.92
			sS	06 28 24.0	3.2		
			LN	$M_S = 5.6$		16.0	1.00
			LE			16.0	1.03
			LZ	$M_S = 5.6$		20.0	2.57
NJ2	83.1	308	+P	06 18 12.0	0.3		

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			PMZ		$m_b = 5.7$		1.2	0.10
			PMZ		$m_B = 5.9$		9.0	1.29
			pP	06 18	25.0	4.2		
			LN		$M_S = 5.6$		16.0	1.37
			LZ		$M_S = 5.1$		24.0	1.00
GZH	83.1	298	eP	06 18	12.5	0.5		
			LZ		$M_S = 5.5$		40.0	4.23
MDJ	83.2	323	+P	06 18	12.5	0.0		
			PMZ		$m_b = 5.9$		1.5	0.21
			S	06 28	35.0	6.9		
QZN	84.3	293	P	06 18	18.0	−0.2		
			PMZ		$m_B = 5.9$		9.0	1.08
			PP	06 21	30.0	−3.7		
			eS	06 28	39.0	−1.9		
			LN		$M_S = 5.6$		17.0	0.76
			LE				17.0	1.07
DL2	84.7	315	P	06 18	20.0	−0.1		
			PMZ		$m_b = 6.0$		1.0	0.15
			PMZ		$m_B = 6.1$		6.0	1.15
			epP	06 18	26.0	−3.1		
			eS	06 28	40.0	−4.8		
			LN		$M_S = 5.8$		16.0	1.41
			LE				15.0	1.06
			LZ		$M_S = 5.2$		20.0	0.93
SNY	85.1	318	+iP	06 18	22.0	0.1		
			PMZ		$m_b = 5.8$		1.4	0.13
			PMZ		$m_B = 5.9$		10.0	1.15
			sP	06 18	35.0	0.4		
			S	06 28	46.5	−0.2		
			LN		$M_S = 5.9$		17.0	1.87
			LE				17.0	1.47
			LZ		$M_S = 5.7$		18.0	3.09
CN2	85.1	321	+iP	06 18	22.0	0.1		
			PMZ		$m_b = 6.4$		1.8	0.70
			PMZ		$m_B = 6.2$		6.0	1.50
			pP	06 18	28.0	−2.9		
			eS	06 28	47.0	−1.4		
			LN		$M_S = 5.7$		20.0	1.00
			LE				20.0	1.40
			LZ		$M_S = 5.8$		20.0	3.90
WHN	85.7	305	eP	06 18	25.0	0.0		
			PMZ		$m_b = 5.8$		1.5	0.15
			PMZ		$m_B = 6.0$		9.0	1.21
			LN		$M_S = 5.9$		20.0	1.85
			LE				20.0	2.46
			LZ		$M_S = 5.5$		20.0	1.88
TIA	86.4	311	+P	06 18	28.7	0.4		
			PMZ		$m_b = 5.3$		1.4	0.040
			PMZ		$m_B = 5.9$		9.0	1.08
			LN		$M_S = 5.7$		16.0	0.97
			LE				16.0	0.90
			LZ		$M_S = 5.3$		40.0	2.34
BJI	88.9	314	+P	06 18	40.5	0.0		
			PMZ		$m_b = 6.1$		2.0	0.28
			PMZ		$m_B = 6.0$		8.0	0.86
			pP	06 18	54.0	4.4		
			esS	06 29	36.0	−3.9		
			LE		$M_S = 5.8$		17.0	1.74
			LZ		$M_S = 5.5$		20.0	1.81
GYA	90.0	298	P	06 18	46.0	0.0		
			PMZ		$m_b = 5.8$		1.6	0.10
			PMZ		$m_B = 6.3$		5.0	1.10
			S	06 29	29.0	−4.5		
			LN		$M_S = 5.9$		18.0	1.10
			LE				18.0	2.10
			LZ		$M_S = 5.3$		40.0	2.40
TIY	90.4	311	+P	06 18	48.0	0.4		
			PMZ		$m_b = 5.8$		1.2	0.070
			SKS	06 29	10.0	−3.6		
			LE		$M_S = 5.6$		17.0	1.22
			LZ		$M_S = 5.8$		14.0	2.50
XAN	91.4	306	+iP	06 18	52.1	0.0		
			PMZ		$m_b = 6.0$		1.0	0.093
			pP	06 19	01.0	−0.1		
			SKS	06 29	24.0	4.8		
			LN		$M_S = 5.9$		14.0	1.56
			LE				14.0	1.30
HHC	92.4	313	P	06 18	57.6	0.6		
			PMZ		$m_b = 5.6$		1.3	0.038
			sP	06 19	08.0	−1.6		
			SKS	06 29	31.5	6.4		
			S	06 30	00.0	5.6		
			LN		$M_S = 5.7$		16.0	0.82
			LE				15.0	0.95
			LZ		$M_S = 5.7$		22.0	3.23
KMI	92.8	296	+P	06 19	00.0	1.2		
			PMZ		$m_b = 6.4$		1.5	0.30
			pP	06 19	08.0	0.4		
			SKS	06 29	22.0	−5.3		
			LN		$M_S = 6.0$		20.0	1.10
			LE				20.0	3.00
			LZ		$M_S = 5.9$		20.0	4.50
BTO	93.3	312	eP	06 19	01.8	0.5		
			pP	06 19	08.0	−2.2		
			LN		$M_S = 5.9$		17.0	0.90
			LE				17.0	1.70
			LZ		$M_S = 5.5$		18.0	1.60
CD2	94.1	301	eP	06 19	05.4	0.7		
			LZ		$M_S = 5.4$		28.0	1.70
LZH	96.0	306	+iP	06 19	14.5	1.1		
			PMZ		$m_b = 6.1$		2.0	0.11
			PMZ		$m_B = 6.0$		12.0	0.56
			SKS	06 29	42.0	−2.9		
			eS	06 30	22.0	−5.4		
			LE		$M_S = 5.5$		20.0	0.91
			LZ		$M_S = 5.4$		25.0	1.65
GTA	100.2	308	P	06 19	33.4	1.1		
			PMZ		$m_b = 5.5$		1.2	0.010
			PP	06 23	36.0	−3.5		
			SKS	06 30	06.0	−0.2		
			LE		$M_S = 5.7$		15.0	1.10
			LZ		$M_S = 5.5$		34.0	2.77

AUG 5d 10h 42m 32.1 ± 0.03s, SD1.15 / 162
1.55 N ± 0.53km, 127.51 E ± 0.77km, h142 ± 0.17km
Djailolo Gilolo (Halmahera) (267)
m_b5.3 / 51,

QZN	24.5	316	P	10 47	39.8	−0.2		
			PMZ		$m_b = 5.2$		0.8	0.080
			eS	10 51	47.0	−0.7		
QZH	24.8	340	+P	10 47	43.5	0.9		
			PMZ		$m_b = 5.1$		0.7	0.046
			sP	10 48	28.0	−0.4		
			S	10 51	55.5	3.9		
GZH	25.4	328	P	10 47	49.0	0.4		
			PMZ		$m_b = 5.1$		0.6	0.030
SSE	30.0	349	P	10 48	29.5	−0.2		
			pP	10 48	55.0	−4.5		
			eS	10 53	18.0	2.0		
			sS	10 54	06.0	−2.7		
			PcS	10 55	06.0	−4.1		
NJ2	31.4	346	eP	10 48	43.2	0.9		
WHN	31.4	338	eP	10 48	43.5	1.2		
GYA	31.9	323	P	10 48	46.2	−0.1		
			PMZ		$m_b = 4.8$		1.0	0.020
			PcP	10 51	33.0	−0.1		

			S	10 53 47.0	2.5			
			SS	10 55 48.0	1.3			
			ScS	10 59 01.0	2.0			
KMI	33.5	317	+iP	10 49 01.6	1.2			
XAN	36.7	334	−P	10 49 27.5	0.0			
CD2	36.9	325	−iP	10 49 28.8	0.0			
DL2	37.6	352	+iP	10 49 34.8	0.2			
			PMZ	m_b=5.8		0.8	0.17	
			LN			15.0	0.54	
			LZ			28.0	0.71	
TIY	38.6	341	eP	10 49 43.6	0.5			
BJI	39.7	346	eP	10 49 52.0	−0.1			
			PMZ	m_b=4.6		1.0	0.013	
SNY	40.2	355	+P	10 49 56.8	−0.1			
LZH	40.8	330	−iP	10 50 02.5	1.2			
			PMZ	m_b=5.3		1.0	0.062	
			LZ			30.0	0.29	
HHC	41.7	342	P	10 50 10.0	1.1			
			eS	10 56 18.0	2.9			
BTO	42.0	340	eP	10 50 11.0	−0.2			
CN2	42.1	358	eP	10 50 11.8	−0.3			
MDJ	42.9	2	eP	10 50 18.5	−0.3			
			PMZ	m_b=5.2		1.0	0.041	
LSA	44.5	313	+P	10 50 33.0	1.3			
GTA	45.4	330	eP	10 50 39.0	0.6			
			PMZ	m_b=4.9		1.0	0.020	
			pP	10 51 10.0	0.2			
			sP	10 51 22.8	−3.3			
			PcP	10 52 16.4	1.2			
			ScP	10 55 55.8	2.9			
			ScS	11 00 20.0	3.4			
WMQ	54.9	326	+iP	10 51 51.2	0.1			
			PMZ	m_b=5.3		0.8	0.040	
			pP	10 52 24.0	0.4			
			S	10 59 21.2	2.2			
			ScS	11 01 23.0	1.5			

AUG 5d 11h 08m 08.2±0.05s, SD0.95 / 253
51.75 N±1.06km, 176.30 E±0.50km, h33±0.09km
Rat Islands (6)
M_S4.8 / 14, m_B5.6 / 5, m_b5.1 / 105

MDJ	31.5	276	eP	11 14 28.0	−1.5			
			PMZ	m_b=5.0		1.0	0.027	
CN2	34.5	277	P	11 14 54.3	−1.0			
			PMZ	m_b=4.6		1.0	0.010	
			epP	11 15 01.0	−3.7			
			LN	M_S=4.8		20.0	1.00	
			LE			20.0	1.00	
			LZ	M_S=4.8		20.0	1.80	
SNY	36.7	276	+P	11 15 14.0	−0.2			
			PMZ	m_b=5.2		1.4	0.060	
			LN	M_S=4.8		16.0	0.90	
			LZ	M_S=4.5		18.0	0.71	
DL2	39.6	273	P	11 15 38.8	0.3			
			PMZ	m_b=5.5		0.7	0.050	
BJI	42.3	278	+eP	11 16 01.0	0.2			
			PMZ	m_b=5.4		1.6	0.090	
			PMZ			3.0	0.45	
			ePP	11 17 41.0	−1.0			
			LZ	M_S=4.7		18.0	0.89	
TIA	44.1	273	+P	11 16 15.8	0.5			
			PMZ	m_b=4.9		1.2	0.020	
HHC	44.6	282	+P	11 16 20.6	0.8			
			PMZ	m_b=5.2		1.4	0.046	
			pP	11 16 31.0	1.8			
			PP	11 18 06.0	1.0			
			LN	M_S=4.9		14.0	0.32	
			LE			15.0	0.64	
			LZ	M_S=4.5		26.0	0.85	
SSE	45.0	265	+P	11 16 22.0	−0.3			
			PMZ	m_b=5.2		1.0	0.037	
			epP	11 16 32.0	0.2			
			eS	11 23 00.0	1.9			
			sS	11 23 17.0	3.2			
			SS	11 26 08.0	−3.5			
			LN	M_S=4.7		16.0	0.50	
			LZ	M_S=4.4		20.0	0.46	
BTO	45.7	283	eP	11 16 30.0	1.4			
			pP	11 16 38.0	0.1			
			ePP	11 18 14.0	−1.5			
			eS	11 23 15.0	5.8			
			LN	M_S=5.1		18.0	1.20	
			LE			18.0	0.80	
NJ2	45.8	268	+P	11 16 28.6	−0.1			
			sP	11 16 41.4	−0.7			
			S	11 23 12.0	3.6			
			LZ	M_S=4.2		20.0	0.30	
TIY	46.0	278	+P	11 16 31.7	0.7			
			PMZ	m_b=5.2		1.1	0.040	
WHN	49.6	270	+iP	11 16 58.6	0.0			
			PMZ	m_b=5.6		1.0	0.080	
			sP	11 17 16.5	4.5			
XAN	50.6	277	P	11 17 05.5	−0.8			
			LN	M_S=4.8		14.0	0.40	
			LE			14.0	0.30	
QZH	50.9	261	eP	11 17 10.0	1.0			
			eS	11 24 28.0	5.6			
LZH	52.3	283	+iP	11 17 20.0	0.4			
			PMZ	m_b=5.7		1.5	0.14	
			PMZ	m_B=5.6		6.0	0.43	
			pP	11 17 31.0	2.1			
			sP	11 17 38.0	5.1			
			LN	M_S=5.1		18.0	1.03	
			LZ	M_S=4.8		22.0	0.92	
GTA	52.6	288	+iP	11 17 21.2	−0.1			
			PMZ	m_b=5.4		1.0	0.050	
			PMZ	m_B=5.8		3.5	0.42	
			pP	11 17 33.2	2.5			
			LE	M_S=5.0		14.0	0.65	
			LZ	M_S=4.1		20.0	0.18	
CD2	55.9	278	P	11 17 44.8	−0.8			
			PMZ	m_b=5.2		1.2	0.035	
WMQ	56.5	300	+iP	11 17 50.0	−0.3			
			PMZ	m_b=5.5		0.8	0.050	
			PMZ	m_B=6.1		4.0	0.89	
			PP	11 19 56.0	−0.9			
			S	11 25 31.0	−5.9			
			LZ	M_S=5.0		24.0	1.64	
GYA	57.2	272	P	11 17 54.0	−1.4			
			PMZ	m_b=5.3		1.2	0.050	
			S	11 25 48.0	1.8			
KMI	60.6	274	+P	11 18 18.5	−0.4			
			PMZ	m_b=5.3		2.0	0.080	
			pP	11 18 30.5	2.3			
LSA	64.4	286	−P	11 18 45.6	1.2			

AUG 5d 21h 10m 19.3±0.08s, SD2.94 / 11
24.57 N±0.71km, 102.93 E±0.56km, h13±0.22km
Yunnan Province (318)
M_L3.4 / 6,

KMI	0.6	344	+Pg	21 10 29.0	−1.4			
			Sg	21 10 35.0	−3.6			
			SMN	M_L=3.1		0.8	0.85	
			SME			0.8	0.66	
GYA	3.9	60	ePn	21 11 18.0	−0.9			
			Pg	21 11 32.6	5.1			

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			Sn	21 12 06.6	0.6			
			Sg	21 12 24.8	4.4			
			SMN	$M_L = 3.1$		1.2	0.050	
			SME			1.2	0.030	

AUG 6d 02h 17m 31.1 ± 0.03s, SD1.09 / 509
3.90 N ± 0.87km, 95.36 E ± 0.71km, h17 ± 0.14km
Off west coast of Northern Sumatera (705)
M_S5.9 / 62, m_B5.7 / 24, m_b5.8 / 137

QZN	20.6	42	P	02 22 13.2	0.3			
			S	02 26 04.5	6.9			
			LN	$M_S = 5.6$		16.0	10.4	
			LE			15.0	9.57	
KMI	22.3	18	−P	02 22 30.8	1.1			
			PMZ	$m_b = 5.6$		1.5	0.43	
			S	02 26 35.0	6.6			
			LN	$M_S = 5.7$		11.0	6.70	
			LE			11.0	10.5	
			LZ	$M_S = 5.6$		18.0	19.0	
GYA	24.9	25	P	02 22 54.6	−0.6			
			PMZ	$m_b = 5.2$		1.0	0.080	
			PMZ	$m_B = 5.8$		4.0	1.30	
			S	02 27 17.0	2.7			
			LN	$M_S = 5.7$		12.0	7.90	
			LE			12.0	8.40	
			LZ	$M_S = 5.2$		20.0	7.90	
GZH	25.8	41	iP	02 23 04.0	0.4			
			PMZ	$m_b = 5.3$		1.2	0.090	
			S	02 27 34.0	4.6			
			LN	$M_S = 6.0$		12.0	11.5	
			LE			10.0	13.3	
			LZ	$M_S = 5.8$		14.0	17.0	
LSA	26.0	352	+iP	02 23 06.4	0.9			
			pP	02 23 06.4	−4.9			
			S	02 27 36.0	4.2			
			sS	02 27 44.0	0.7			
			ScS	02 34 03.0	4.0			
			LN	$M_S = 5.9$		10.0	9.94	
			LE			10.0	9.91	
CD2	28.0	16	eP	02 23 22.5	−1.3			
			PMZ	$m_b = 5.9$		1.0	0.24	
			pP	02 23 28.0	−2.1			
			S	02 28 04.0	−1.1			
			LN	$M_S = 5.9$		12.0	13.2	
			LZ	$M_S = 5.8$		14.0	15.6	
QZH	30.6	45	+P	02 23 47.5	0.5			
			PMZ	$m_b = 5.5$		1.2	0.10	
			sP	02 23 54.0	−2.6			
			S	02 28 49.0	2.4			
			sS	02 28 59.0	0.6			
			LN	$M_S = 5.7$		10.0	3.04	
			LE			11.0	5.46	
			LZ	$M_S = 5.5$		15.0	8.39	
WHN	32.0	32	−P	02 23 58.5	−0.7			
			PMZ	$m_b = 5.5$		1.0	0.080	
			PMZ	$m_B = 5.7$		6.0	0.79	
			pP	02 24 06.0	0.3			
			S	02 29 07.0	−1.3			
			sS	02 29 18.0	−2.1			
			LN	$M_S = 6.0$		16.0	15.5	
			LE			14.0	8.28	
			LZ	$M_S = 5.7$		16.0	12.3	
XAN	32.5	21	−iP	02 24 02.5	−1.5			
			PMZ	$m_b = 5.8$		0.9	0.14	
			sP	02 24 17.1	3.6			
			PcP	02 26 51.0	1.1			
			S	02 29 17.0	0.3			
			LN	$M_S = 6.0$		12.0	9.25	
			LE			12.0	10.5	
LZH	33.0	13	+iP	02 24 06.5	−1.4			
			PMZ	$m_b = 5.5$		1.8	0.14	
			PMZ	$m_B = 5.4$		12.0	0.76	
			pP	02 24 11.0	−3.2			
			sP	02 24 13.0	−4.3			
			PP	02 25 15.0	−2.5			
			PcP	02 26 53.0	1.9			
			S	02 29 18.0	−5.5			
			PcS	02 30 36.5	1.2			
			ScS	02 34 35.0	3.0			
			LE	$M_S = 6.0$		16.0	17.8	
			LZ	$M_S = 5.4$		22.0	7.75	
GTA	35.6	6	eP	02 24 28.6	−1.7			
			PMZ	$m_b = 4.9$		1.0	0.020	
			PMZ	$m_B = 5.6$		3.5	0.42	
			pP	02 24 32.2	−4.5			
			sP	02 24 35.4	−4.3			
			PP	02 25 46.0	−3.8			
			PcP	02 26 59.4	0.9			
			ScP	02 30 44.6	2.2			
			ScS	02 34 47.4	1.7			
			LE	$M_S = 5.6$		10.0	4.13	
			LZ	$M_S = 5.4$		18.0	6.41	
NJ2	35.6	36	−P	02 24 30.2	−0.5			
			PMZ	$m_b = 5.8$		1.0	0.19	
			pP	02 24 37.0	−0.2			
			S	02 30 06.0	1.1			
			LN	$M_S = 5.9$		10.0	4.80	
			LE			12.0	7.30	
			LZ	$M_S = 5.6$		16.0	9.14	
SSE	36.4	39	−P	02 24 37.2	0.3			
			PMZ	$m_b = 5.1$		1.0	0.032	
			PMZ	$m_B = 4.5$		6.0	0.057	
			S	02 30 17.0	0.8			
			ScS	02 34 44.0	−6.1			
			LN	$M_S = 5.9$		15.0	9.58	
			LE			14.0	3.66	
			LZ	$M_S = 5.5$		20.0	8.26	
TIY	37.1	23	+P	02 24 42.0	−1.1			
			PP	02 26 06.0	−3.3			
			S	02 30 24.5	−2.8			
			LN	$M_S = 6.3$		13.0	13.5	
			LE			13.0	16.8	
TIA	37.9	29	+P	02 24 49.4	−0.3			
			PMZ	$m_B = 5.7$		6.5	0.82	
			sP	02 25 01.0	1.7			
			S	02 30 38.5	−0.9			
			LN	$M_S = 6.0$		15.0	11.1	
			LE			15.0	6.00	
			LZ	$M_S = 5.9$		16.0	15.6	
BTO	38.8	18	P	02 24 57.2	−0.6			
			sP	02 25 04.0	−3.3			
			PP	02 26 33.5	3.3			
			S	02 30 55.0	1.1			
			SS	02 33 42.0	5.5			
			LN	$M_S = 6.2$		13.0	16.1	
			LE			13.0	9.10	
HHC	39.6	19	+P	02 25 05.0	1.2			
			PMZ	$m_b = 5.6$		1.2	0.14	
			PMZ	$m_B = 5.7$		4.0	0.48	
			pP	02 25 11.5	1.3			
			PP	02 26 40.0	1.7			
			LN	$M_S = 5.9$		14.0	7.97	
			LE			14.0	5.10	
KSH	39.6	336	P	02 25 05.0	1.1			
			pP	02 25 09.0	−1.4			
			LE	$M_S = 5.7$		12.0	5.10	

	40.3	351	P	02 25 10.0	0.1			
			PMZ	$m_b = 5.2$		1.5	0.060	
WMQ			PMZ	$m_B = 5.5$		8.0	0.74	
			ScS	02 35 16.0	3.3			
			LN	$M_S = 5.4$		12.0	1.30	
			LE			14.0	2.10	
			LZ	$M_S = 5.1$		20.0	3.00	
BJI	40.6	25	eP	02 25 12.5	0.4			
			PMZ	$m_b = 5.6$		0.8	0.075	
			PMZ	$m_B = 6.0$		5.0	1.21	
			ePP	02 26 50.0	1.2			
			eScP	02 31 01.5	0.1			
			eS	02 31 16.0	−5.1			
			LN	$M_S = 5.6$		12.0	3.70	
			LZ	$M_S = 5.6$		16.0	7.30	
DL2	42.2	31	−P	02 25 26.0	0.4			
			PMZ	$m_b = 6.0$		0.9	0.25	
			PMZ	$m_B = 5.5$		8.0	0.71	
			S	02 31 45.0	0.6			
			LN	$M_S = 5.9$		16.0	8.99	
			LE			10.0	1.69	
			LZ	$M_S = 5.6$		16.0	6.09	
SNY	45.4	30	+iP	02 25 50.0	−1.4			
			PMZ	$m_b = 5.5$		1.0	0.075	
			PMZ	$m_B = 5.8$		5.0	0.82	
			pP	02 25 57.5	−0.5			
			sP	02 26 01.0	0.0			
			PP	02 27 36.0	−1.7			
			S	02 32 30.0	−0.5			
			sS	02 32 43.5	0.9			
			LN	$M_S = 6.0$		14.0	6.32	
			LE			14.0	5.66	
			LZ	$M_S = 6.0$		16.0	12.8	
CN2	47.8	29	+P	02 26 09.5	−0.7			
			PMZ	$m_B = 5.9$		4.0	0.70	
			pP	02 26 15.5	−1.3			
			eS	02 33 00.0	−5.5			
			LN	$M_S = 5.9$		12.0	4.00	
			LE			12.0	3.00	
MDJ	50.5	31	+iP	02 26 30.5	−0.3			
			PMZ	$m_b = 6.0$		1.5	0.30	
			pP	02 26 38.0	0.6			
			S	02 33 44.0	2.2			
			sS	02 33 54.0	0.0			
			LN	$M_S = 6.1$		15.0	5.30	
			LE			15.0	8.20	

AUG 6d 09h 31m 12.7 ± 0.01s, SD0.89 / 8
39.77 N ± 0.20km, 118.71 E ± 0.11km, h13 ± 0.06km
North-Eastern China (658)
M_L3.1 / 5,

BJI	2.0	279	Pg	09 31 47.0	−0.6			
			Sn	09 32 08.5	−4.2			
			Sg	09 32 14.5	−0.1			
			SMN	$M_L = 2.7$		0.5	0.052	
			SME			0.5	0.064	
DL2	2.4	110	ePn	09 31 53.0	0.6			
			Pg	09 31 55.7	0.2			
			eSg	09 32 30.0	1.4			
			SMN	$M_L = 3.0$		0.6	0.073	
			SME			0.6	0.088	
TIY	5.3	249	ePg	09 32 46.5	−0.4			
			eSg	09 33 55.6	−3.9			
			SMN	$M_L = 3.2$		0.6	0.028	
			SME			0.8	0.020	
HHC	5.6	283	ePg	09 32 52.4	1.1			

AUG 6d 14h 49m 29.4 ± 0.03s, SD1.25 / 474
35.75 N ± 0.94km, 140.97 E ± 0.72km, h26 ± 0.20km
Near east coast of Honshu (228)
M_S5.6 / 63, m_B5.9 / 27, m_b5.7 / 142

MDJ	12.4	319	+iP	14 52 28.0	0.5			
			PMZ	$m_b = 6.3$		1.7	0.99	
			pP	14 52 34.0	0.3			
			sP	14 52 40.0	2.0			
			S	14 54 50.0	4.5			
			sS	14 55 00.0	3.7			
			ScS	15 05 12.5	1.2			
			LN	$M_S = 5.6$		15.0	19.6	
			LE			14.0	20.1	
CN2	14.4	309	+iP	14 52 54.0	0.5			
			PMZ	$m_b = 5.4$		1.5	0.10	
			PMZ	$m_B = 6.3$		5.0	3.00	
			sP	14 53 04.0	−0.2			
			eS	14 55 33.0	−0.2			
			LN	$M_S = 5.4$		13.0	6.20	
			LE			13.0	10.6	
SNY	14.9	299	+iP	14 53 01.0	1.3			
			PMZ	$m_b = 6.0$		1.4	0.40	
			PMZ	$m_B = 6.1$		6.0	2.15	
			sP	14 53 11.0	0.6			
			S	14 55 50.0	6.1			
			LN	$M_S = 5.5$		13.0	8.48	
			LE			16.0	16.1	
			LZ	$M_S = 5.6$		16.0	27.9	
DL2	15.7	287	+iP	14 53 13.0	2.2			
			PMZ	$m_b = 6.5$		1.0	1.99	
			PMZ	$m_B = 6.1$		6.0	5.74	
			LN	$M_S = 5.3$		14.0	9.12	
			LE			13.0	3.82	
			LZ	$M_S = 5.4$		22.0	23.8	
SSE	17.2	260	−P	14 53 30.8	1.7			
			PMZ	$m_b = 5.6$		1.2	0.32	
			PMZ	$m_B = 5.6$		7.0	1.85	
			sP	14 53 41.0	1.0			
			LN	$M_S = 5.5$		13.0	6.42	
			LE			13.0	10.4	
			LZ	$M_S = 5.6$		20.0	30.8	
NJ2	18.7	265	+P	14 53 47.0	−1.6			
			PMZ	$m_b = 5.0$		1.0	0.083	
			PMZ	$m_B = 5.5$		8.0	1.71	
			sP	14 54 01.0	1.6			
			LN	$M_S = 5.6$		14.0	9.78	
			LE			11.0	7.75	
			LZ	$M_S = 5.3$		20.0	15.1	
TIA	19.3	278	+P	14 53 53.6	−1.8			
			PMZ	$m_B = 5.7$		8.0	2.80	
			pP	14 53 58.5	−3.7			
			LN	$M_S = 5.6$		14.0	7.70	
			LE			15.0	13.1	
			LZ	$M_S = 5.4$		26.0	21.5	
BJI	20.0	290	+P	14 54 00.0	−3.3			
			PMZ	$m_b = 5.8$		1.7	0.74	
			eS	14 57 44.0	1.9			
			ScS	15 05 33.5	1.2			
			LE	$M_S = 5.1$		13.0	4.10	
			LZ	$M_S = 5.3$		26.0	15.3	
QZH	22.1	247	+iP	14 54 21.0	−3.3			
			PMZ	$m_b = 5.3$		1.1	0.16	
			pP	14 54 30.2	−1.8			
			S	14 58 16.0	−4.6			
			SS	14 58 59.0	−0.9			
			LN	$M_S = 5.5$		16.0	10.1	
			LZ	$M_S = 5.6$		19.0	22.2	
WHN	22.9	264	eP	14 54 30.5	−1.6			
			PMZ	$m_B = 5.4$		7.0	1.12	

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			pP	14	54	38.0	−1.8		
			S	14	58	32.0	−3.0		
			LN			$M_S = 5.7$		15.0	6.56
			LE					14.0	13.5
			LZ			$M_S = 5.5$		20.0	15.0
TIY	22.9	283	eP	14	54	30.4	−2.5		
			PMZ			$m_b = 5.4$		1.0	0.16
			PMZ			$m_B = 5.5$		9.0	1.69
			S	14	58	39.0	2.8		
			sS	14	58	51.5	1.9		
			LN			$M_S = 5.4$		12.0	6.11
			LZ			$M_S = 5.7$		19.0	25.5
HHC	23.6	291	−iP	14	54	37.0	−2.3		
			PMZ			$m_b = 5.7$		1.0	0.29
			PP	14	55	11.0	−0.1		
			PPMZ					8.0	1.57
			S	14	58	52.0	4.3		
			sS	14	59	03.5	2.3		
			LN			$M_S = 5.1$		14.0	2.66
			LE					14.0	2.68
BTO	24.7	291	eP	14	54	47.7	−2.9		
			pP	14	54	53.5	−4.7		
			PP	14	55	26.0	−0.6		
			S	14	59	02.5	−5.2		
			LN			$M_S = 5.5$		15.0	2.60
			LE					15.0	7.20
			LZ			$M_S = 5.4$		15.0	8.40
XAN	26.3	276	+P	14	55	04.0	−1.1		
			PMZ			$m_b = 5.5$		1.0	0.11
			PMZ			$m_B = 6.2$		4.0	2.17
			pP	14	55	11.4	−1.4		
			sP	14	55	15.0	−1.5		
			LN			$M_S = 5.5$		15.0	4.60
			LE					15.0	7.30
GZH	27.1	250	P	14	55	11.4	−0.8		
			PMZ			$m_b = 5.5$		1.0	0.10
			LN			$M_S = 5.7$		18.0	13.8
			LE					17.0	2.64
			LZ			$M_S = 5.7$		18.0	18.4
LZH	30.0	282	+iP	14	55	37.0	−1.3		
			PMZ			$m_b = 6.1$		2.0	0.75
			PMZ			$m_B = 5.8$		10.0	1.76
			pP	14	55	47.0	0.8		
			sP	14	55	51.5	1.8		
			PP	14	56	35.5	0.0		
			PcP	14	58	42.0	2.1		
			S	15	00	26.0	−6.4		
			ScP	15	02	21.0	2.1		
			ScS	15	06	15.0	2.2		
			LE			$M_S = 5.9$		16.0	16.9
			LZ			$M_S = 5.9$		18.0	22.3
GYA	30.7	262	+iP	14	55	42.2	−2.5		
			PMZ			$m_b = 6.0$		1.4	0.40
			PMZ					3.0	1.30
			pP	14	55	50.4	−2.1		
			PP	14	56	50.0	5.2		
			S	15	00	40.0	−3.6		
			sS	15	00	53.0	−4.9		
			LN			$M_S = 5.6$		15.0	6.80
			LE					15.0	4.20
			LZ			$M_S = 5.3$		22.0	7.30
CD2	31.3	272	eP	14	55	48.6	−1.9		
			PMZ			$m_b = 5.7$		1.0	0.13
			pP	14	55	59.0	0.7		
			sP	14	56	03.5	1.6		
			PP	14	56	54.0	0.5		
			S	15	00	57.0	2.9		
			LE			$M_S = 5.9$		13.0	13.6
			LZ			$M_S = 5.8$		22.0	21.2
QZN	32.1	247	eP	14	55	55.0	−2.0		
			eS	15	01	09.0	2.3		
			LN			$M_S = 5.6$		16.0	5.70
			LE					14.0	3.60
GTA	32.6	289	+P	14	56	01.2	−0.6		
			PMZ			$m_b = 5.8$		1.0	0.17
			PMZ			$m_B = 5.9$		5.0	1.06
			pP	14	56	08.0	−1.6		
			sP	14	56	11.6	−1.5		
			PP	14	57	09.0	−1.3		
			PcP	14	58	48.0	1.0		
			ScP	15	02	29.4	1.6		
			eS	15	01	15.0	−0.4		
			sS	15	01	25.0	−3.4		
			PcS	15	02	32.0	1.1		
			ScS	15	06	27.0	1.0		
			LE			$M_S = 5.5$		13.0	4.71
			LZ			$M_S = 5.7$		14.0	11.7
KMI	34.4	263	+iP	14	56	16.2	−1.2		
			PMZ			$m_b = 6.1$		2.0	0.60
			PMZ					3.0	0.80
			sP	14	56	31.0	2.3		
			LN			$M_S = 5.5$		10.0	0.80
			LE					15.0	4.80
			LZ			$M_S = 5.7$		24.0	16.4
WMQ	41.1	298	+iP	14	57	14.5	1.1		
			PMZ			$m_b = 6.2$		1.0	0.36
			PMZ			$m_B = 6.5$		4.0	3.40
			S	15	03	20.0	−3.8		
			LN			$M_S = 5.8$		15.0	4.10
			LE					13.0	5.00
			LZ			$M_S = 5.4$		24.0	6.95
LSA	42.0	276	+P	14	57	22.5	1.5		
			sP	14	57	36.0	3.8		
			S	15	03	43.0	6.2		
			SMN					7.0	0.65
			LN			$M_S = 5.5$		14.0	1.38
			LE					17.0	3.84
KSH	50.7	295	P	14	58	30.0	0.8		
			PP	15	00	24.0	−1.1		
			LE			$M_S = 6.1$		16.0	10.0

AUG 6d 17h 31m 25.7 ± 0.15s, SD3.03 / 7
24.79 N ± 1.27km, 119.85 E ± 1.20km, h5 ± km
Taiwan region (243)
M_L3.2 / 6,

QZH	1.2	278	ePn	17	31	47.8	−1.0		
			Sg	17	32	04.5	2.7		
			SMN			$M_L = 2.8$		0.6	0.17
			SME					0.5	0.16
GZH	6.2	255	eP	17	33	01.4	1.3		
SSE	6.4	10	eP	17	33	02.8	−0.2		
			SME			$M_L = 3.2$		1.0	0.013

AUG 6d 20h 26m 24.7 ± 0.06s, SD1.06 / 177
54.78 N ± 0.98km, 161.45 E ± 0.96km, h32 ± 0.09km
Near east coast of Kamchatka (218)
M_S4.6 / 2, m_b5.4 / 64,

CN2	25.6	260	eP	20	31	52.4	−1.0		
LZH	43.2	269	eP	20	34	20.0	−4.7		
			LZ			$M_S = 4.3$		20.0	0.35
GTA	43.2	276	eP	20	34	23.8	−1.4		
			PMZ			$m_b = 4.5$		1.2	0.010
			LE			$M_S = 4.6$		13.0	0.40
			LZ			$M_S = 4.4$		16.0	0.41
WMQ	47.2	289	P	20	34	58.0	1.4		
LSA	55.1	273	eP	20	35	59.0	1.8		

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AUG 6d 21h 23m 02.0 ± 0.04s, SD1.13 / 46
9.54 S ± 0.58km, 159.52 E ± 0.62km, h17 ± 0.15km
Solomon Islands (193)
m_b4.8 / 10,

CN2	61.4	332	eP	21 33 21.2	0.6			
CD2	66.9	309	eP	21 33 55.0	−1.1			
LZH	69.3	314	eP	21 34 11.0	−0.2			
			PMZ	m_b = 4.9		1.5	0.023	
			LZ	M_S = 5.4		20.0	2.50	
GTA	73.7	316	eP	21 34 37.4	−0.1			
			PMZ	m_b = 4.7		1.0	0.010	
			sP	21 34 49.7	2.7			
			eS	21 44 05.0	−1.7			
			LZ	M_S = 4.6		20.0	0.30	
WMQ	83.7	316	eP	21 35 34.0	1.5			

AUG 6d 23h 21m 33.3 ± 0.04s, SD1.43 / 116
8.84 N ± 0.64km, 126.42 E ± 1.00km, h64 ± 0.20km
Mindanao (259)
M_S4.6 / 9, m_b5.0 / 40,

GZH	18.9	320	P	23 25 53.0	1.3			
QZN	19.0	304	P	23 25 53.3	0.7			
			PMZ	m_b = 4.7		0.7	0.030	
			PP	23 26 13.0	3.3			
SSE	22.7	348	P	23 26 29.0	−1.4			
			PMZ	m_b = 4.5		1.0	0.025	
			eS	23 30 34.0	4.8			
			LE	M_S = 4.6		12.0	0.93	
			LZ	M_S = 4.6		16.0	1.76	
NJ2	24.1	344	eP	23 26 41.5	−3.1			
			LE	M_S = 4.5		12.0	0.74	
			LZ	M_S = 4.3		14.0	0.71	
GYA	25.7	316	P	23 26 59.0	−0.2			
CD2	30.5	319	eP	23 27 39.0	−3.7			
BJI	32.4	345	eP	23 27 59.0	−0.4			
			PMZ	m_b = 4.8		1.0	0.015	
			LE	M_S = 4.8		13.0	0.90	
			LZ	M_S = 4.8		14.0	1.47	
SNY	33.0	356	+iP	23 28 04.8	0.5			
			PMZ	m_b = 5.5		0.8	0.069	
LZH	34.0	326	eP	23 28 11.0	−2.9			
			LE	M_S = 4.6		15.0	0.71	
			LZ	M_S = 4.6		15.0	0.87	
HHC	34.5	340	eP	23 28 15.6	−2.2			
CN2	34.8	359	eP	23 28 20.7	0.1			
MDJ	35.7	4	+P	23 28 29.5	1.2			
			PMZ	m_b = 5.5		1.0	0.085	
			pP	23 28 42.5	−0.9			
GTA	38.6	326	−P	23 28 52.8	0.1			
			PMZ	m_b = 4.8		0.6	0.010	
			pP	23 29 07.8	0.1			
			sP	23 29 14.3	−0.3			
			LN	M_S = 4.5		12.0	0.31	
			LZ	M_S = 4.9		8.0	0.71	
LSA	39.0	307	−P	23 28 57.5	1.6			
WMQ	48.4	323	P	23 30 11.2	−0.5			
			PMZ	m_b = 5.0		1.0	0.020	

AUG 7d 04h 48m 08.3 ± 0.05s, SD2.25 / 19
33.30 N ± 0.49km, 103.75 E ± 0.55km, h10 ± 0.15km
Sichuan Province (307)
M_S4.0 / 3, M_L4.2 / 11,

CD2	2.4	180	ePg	04 48 49.4	−1.1			
			Sg	04 49 25.2	2.3			
			SMN	M_L = 3.8		1.0	0.61	
			SME			1.0	0.50	
XAN	4.4	79	−Pn	04 49 14.5	−0.7			
			Pg	04 49 27.0		1.5		
			Sn	04 50 10.0		1.7		
			SMN	M_L = 4.2			0.5	0.50
			SME				0.5	0.31
			LN	M_S = 4.0			6.0	0.65
			LE				6.0	1.24
GYA	7.3	159	Pn	04 49 56.6		1.5		
			SMN	M_L = 4.2			1.4	0.090
			SME				1.4	0.11
			LN	M_S = 4.0			6.0	0.40
			LE				6.0	0.50

AUG 7d 04h 54m 49.1 ± 0.06s, SD1.98 / 81
4.49 S ± 0.82km, 134.05 E ± 1.23km, h23 ± 0.07km
West Irian region (196)
M_S4.9 / 10, m_b5.0 / 23,

QZN	33.4	315	eP	05 01 33.2	4.9			
			eS	05 06 49.0	1.8			
			LN	M_S = 4.6			14.0	0.70
NJ2	39.1	339	eP	05 02 17.5	0.7			
GYA	40.6	321	P	05 02 34.2	4.7			
			sS	05 08 49.0	−1.4			
			LN	M_S = 4.9			15.0	0.70
			LE				15.0	0.60
KMI	42.3	316	eP	05 02 43.5	−0.3			
XAN	45.1	330	eP	05 03 06.0	0.3			
CD2	45.6	323	eP	05 03 11.0	1.4			
TIY	46.6	336	+P	05 03 17.4	−0.1			
			LE	M_S = 4.8			14.0	0.60
			LZ	M_S = 4.6			22.0	0.80
BJI	47.3	341	eP	05 03 22.0	−1.0			
			PMZ	m_b = 5.0			1.5	0.035
			eS	05 10 12.0	−2.3			
			esS	05 10 24.0	−3.1			
			LZ	M_S = 4.7			20.0	0.90
LZH	49.3	327	eP	05 03 34.7	−4.2			
			PMZ	m_b = 5.3			2.0	0.088
			pP	05 03 49.5	3.2			
			sP	05 03 50.5	0.8			
			PP	05 05 32.0	−0.2			
			eS	05 10 42.0	−1.1			
			LN	M_S = 5.0			20.0	0.99
			LZ	M_S = 4.5			24.0	0.63
HHC	49.6	338	P	05 03 40.6	−0.6			
			PMZ	m_b = 5.1			1.2	0.030
			S	05 10 47.0	1.0			
			LN	M_S = 5.0			18.0	1.06
			LZ	M_S = 4.9			20.0	1.25
BTO	50.0	336	eP	05 03 43.0	−1.3			
			LN	M_S = 4.8			15.0	0.40
			LE				13.0	0.20
LSA	53.3	312	eP	05 04 07.0	−2.8			
GTA	53.9	327	eP	05 04 11.2	−2.4			
			sP	05 04 21.0	−3.5			
			eS	05 11 47.0	0.7			
			sS	05 11 55.0	−3.9			
			LE	M_S = 4.8			15.0	0.44
WMQ	63.6	324	P	05 05 21.0	−0.2			
			PMZ	m_b = 5.0			1.0	0.020
			LZ	M_S = 4.7			14.0	0.34

AUG 7d 05h 40m 22.2 ± 0.06s, SD1.24 / 109
17.39 S ± 1.01km, 174.89 W ± 0.97km, h253 ± 0.28km
Tonga (173)
m_b5.0 / 41,

MDJ	79.7	323	eP	05 52 03.5	−0.7			
			PMZ	m_b = 4.8			1.0	0.017
CN2	81.7	321	P	05 52 14.0	−0.5			

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SNY	81.8	318	−P	05	52	14.4	−0.5		
			PMZ			m_b=5.0		1.4	0.040
QZN	82.3	293	eP	05	52	18.8	1.0		
TIA	83.4	311	eP	05	52	23.0	−0.3		
BJI	85.8	314	eP	05	52	35.5	0.3		
			PMZ			m_b=4.8		1.7	0.049
			eS	06	02	44.0	−1.5		
TIY	87.4	311	−P	05	52	43.5	0.4		
GYA	87.7	298	−P	05	52	44.8	0.3		
			PMZ			m_b=4.7		1.2	0.030
HHC	89.3	313	P	05	52	52.6	0.6		
BTO	90.3	313	eP	05	52	57.0	0.4		
KMI	90.6	296	+P	05	53	00.0	1.9		
			PMZ			m_b=5.0		2.5	0.10

AUG 7d 06h 01m 49.6 ± 0.07s, SD2.97 / 20
33.24 N ± 0.57km, 104.18 E ± 0.54km, h12 ± 0.27km
Sichuan Province (307)
M_S4.0 / 4, M_L4.0 / 13,

CD2	2.4	189	−iPn	06	02	25.6	−3.0		
			SMN			M_L=3.8		0.6	0.54
LZH	2.9	355	ePg	06	02	41.0	0.7		
			SMN			M_L=3.8		1.4	0.56
			SME					1.2	0.35
			LN					6.0	0.91
			LZ					6.0	0.71
XAN	4.0	77	Pg	06	02	58.2	−2.8		
			Sg	06	04	00.3	4.3		
			SMN			M_L=4.4		0.5	0.71
			SME					0.8	0.83
			LN			M_S=4.1		6.0	1.29
			LE					6.0	1.24
GYA	7.1	162	Pn	06	03	31.0	−2.8		
			Pg	06	03	58.8	3.9		
			SMN			M_L=4.4		1.2	0.20
			SME					1.2	0.10
			LN			M_S=3.9		8.0	0.40
			LE					8.0	0.50
TIY	8.1	54	eP	06	03	53.2	3.4		
			SMN			M_L=4.2		0.8	0.058
			SME					0.7	0.062
BTO	8.7	31	eP	06	04	00.4	1.8		
			LN			M_S=4.7		17.0	6.80
			LE					16.0	2.99
			LZ			M_S=4.7		17.0	7.23

AUG 7d 11h 36m 30.9 ± 0.06s, SD1.78 / 48
25.08 N ± 0.80km, 88.75 E ± 0.61km, h32 ± 0.05km
India–Bangladesh border region (315)
M_S4.1 / 7, M_L4.7 / 1, m_b4.7 / 10

LSA	5.1	24	Pn	11	37	47.8	2.1		
			Pg	11	38	06.0	5.4		
			Sn	11	38	47.0	2.6		
			SMN			M_L=4.7		1.0	0.89
CD2	14.5	63	eP	11	39	56.8	1.2		
GYA	16.2	81	eP	11	40	15.2	−2.9		
			PMZ			m_b=4.6		1.0	0.030
LZH	17.0	46	eP	11	40	27.0	−1.0		
			PMZ			m_b=4.9		1.8	0.095
			pP	11	40	31.5	−3.8		
			LN			M_S=3.9		12.0	0.33
			LZ			M_S=4.0		12.0	0.50
GTA	17.1	30	eP	11	40	27.8	−1.1		
			PMZ			m_b=4.1		1.0	0.010
			pP	11	40	33.4	−2.8		
			LE			M_S=4.0		10.0	0.30
			LZ			M_S=3.9		14.0	0.41
WMQ	18.7	358	P	11	40	49.0	−0.4		
			PMZ			m_b=4.4		1.0	0.020
			LZ			M_S=4.2		10.0	0.48
XAN	19.7	58	eP	11	41	02.0	1.8		
QZN	20.4	103	eP	11	41	10.0	1.5		
WHN	23.3	71	eP	11	41	40.0	3.2		
			pP	11	41	45.0	−0.5		
BTO	23.6	44	eP	11	41	42.0	2.3		
			epP	11	41	47.0	−1.3		
			LN			M_S=4.3		11.0	0.30
			LE					11.0	0.30
TIY	23.7	52	eP	11	41	42.2	0.7		
			PMZ			m_b=4.8		1.0	0.036
			LN			M_S=4.1		11.0	0.29
			LZ			M_S=4.3		11.0	0.49
BJI	27.4	50	eP	11	42	19.0	3.4		

AUG 7d 13h 35m 53.0 ± 0.09s, SD1.92 / 46
9.50 S ± 0.65km, 125.26 E ± 1.04km, h101 ± 0.72km
Timor (289)
m_b5.0 / 6,

GYA	40.0	334	P	13	43	21.0	0.7		
CD2	45.2	334	eP	13	44	02.8	1.0		
XAN	46.0	341	eP	13	44	04.5	−3.9		
TIY	48.5	346	eP	13	44	28.0	0.2		
LZH	49.6	337	eP	13	44	37.0	0.2		
			PMZ			m_b=5.1		1.0	0.026
BJI	50.0	351	eP	13	44	39.0	−0.4		
HHC	51.7	347	eP	13	44	52.4	0.2		
CN2	53.0	0	eP	13	45	05.5	3.1		
MDJ	54.0	4	eP	13	45	10.5	1.1		
GTA	54.1	336	eP	13	45	06.8	−3.4		
WMQ	63.1	330	P	13	46	12.5	0.0		

AUG 8d 02h 09m 43.9 ± 0.05s, SD1.98 / 266
1.16 N ± 1.12km, 122.67 E ± 1.51km, h11 ± 0.05km
Minahassa Peninsula (Celebes) (265)
M_S6.4 / 57, m_B6.2 / 41, m_b5.7 / 75

QZN	21.8	325	eP	02	14	36.2	−1.6		
			PMZ			m_b=5.9		1.2	0.58
			PMZ			m_B=6.1		6.0	5.20
			LN			M_S=6.2		16.0	35.0
			LE					17.0	41.9
GZH	23.6	338	P	02	14	54.0	−2.0		
			PMZ			m_B=6.5		6.0	9.86
			LN			M_S=6.5		16.0	63.7
			LE					16.0	61.9
			LZ			M_S=6.4		18.0	105
QZH	24.0	351	−P	02	15	00.0	0.5		
			PMZ			m_b=5.6		1.3	0.29
			PMZ			m_B=6.4		6.0	8.10
			LN			M_S=6.3		16.0	56.6
			LE					16.0	26.9
			LZ			M_S=6.3		16.0	77.1
GYA	29.5	330	P	02	15	52.8	2.0		
			PMZ			m_b=5.5		1.2	0.11
			PMZ			m_B=5.9		5.0	1.10
			PP	02	16	49.0	3.3		
			S	02	20	40.0	−3.1		
			ScS	02	26	30.6	1.4		
			LN			M_S=6.3		17.0	45.7
			LE					17.0	19.9
			LZ			M_S=5.8		30.0	35.9
SSE	29.8	357	P	02	15	55.5	2.1		
			PMZ			m_b=5.3		1.2	0.068
			PMZ			m_B=6.1		7.0	2.65
			sP	02	16	02.5	0.5		
			S	02	20	54.0	5.9		
			PcS	02	22	38.0	−0.4		

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			LN		$M_S=6.4$		16.0	30.9				LE				15.0	13.6
			LE				18.0	52.0	SNY	40.5	1	−iP	02 17 24.0	−0.9			
			LZ		$M_S=6.3$		20.0	71.2				PMZ		$m_b=5.7$		1.6	0.22
WHN	30.3	346	+P	02 15 59.5		1.9						PMZ		$m_B=6.2$		5.0	1.90
			PMZ		$m_b=5.8$		1.2	0.20				LN		$M_S=6.6$		18.0	50.0
			PMZ		$m_B=6.1$		6.0	2.26				LE				19.0	27.0
			S	02 20 55.0		−0.4						LZ		$M_S=6.5$		19.0	66.1
			LN		$M_S=6.7$		18.0	109	HHC	40.8	347	−P	02 17 27.5	0.2			
			LE				18.0	45.8				PMZ		$m_b=5.2$		0.9	0.042
			LZ		$M_S=6.4$		20.0	87.5				PMZ		$m_B=6.1$		4.5	1.40
KMI	30.6	323	eP	02 16 02.5		1.4						PP	02 19 01.0		−3.0		
			PMZ		$m_B=6.1$		4.0	1.44				PPMZ				8.0	2.70
			S	02 21 06.0		4.8						LN		$M_S=6.5$		18.0	31.5
			LN		$M_S=6.1$		16.0	14.9				LE				17.0	37.0
			LE				17.0	26.1				LZ		$M_S=6.6$		20.0	77.2
			LZ		$M_S=6.0$		16.0	24.3	BTO	40.9	345	P	02 17 27.5	−0.9			
NJ2	30.9	354	−P	02 16 05.0		1.5						PP	02 19 06.0		0.6		
			PMZ		$m_B=6.1$		7.0	2.40				sS	02 23 51.0		1.8		
			LN		$M_S=6.3$		17.0	39.3				SS	02 26 37.0		1.4		
			LE				18.0	24.0				LN		$M_S=6.8$		17.0	68.0
			LZ		$M_S=6.1$		20.0	38.5				LE				16.0	29.9
CD2	34.6	331	eP	02 16 32.0		−3.4			LSA	41.3	316	eP	02 17 31.0	−0.9			
			PP	02 17 50.0		−1.2						sP	02 17 45.0		5.1		
			eS	02 21 57.0		−6.8						PP	02 19 12.0		2.6		
			LE		$M_S=6.3$		15.0	31.2				S	02 23 38.0		−6.5		
			LZ		$M_S=6.1$		18.0	33.6				SS	02 26 40.0		−3.3		
XAN	35.2	340	eP	02 16 41.0		0.8						LN		$M_S=5.8$		16.5	4.20
			PMZ		$m_B=6.2$		6.0	2.80				LE				16.0	6.59
			PP	02 18 00.0		1.7			CN2	42.5	3	−P	02 17 41.0	−0.6			
			S	02 22 17.0		5.5						PMZ		$m_b=5.6$		1.6	0.16
			LN		$M_S=6.6$		16.0	48.0				PMZ		$m_B=6.1$		6.0	2.10
			LE				18.0	52.0				epP	02 17 47.0		−0.3		
TIA	35.3	352	eP	02 16 43.6		2.6						ScS	02 27 38.0		−2.3		
			PMZ		$m_b=5.9$		1.4	0.30				LN		$M_S=6.4$		17.0	22.6
			PMZ		$m_B=6.1$		5.5	2.10				LE				17.0	18.0
			S	02 22 09.0		−4.0						LZ		$M_S=6.7$		17.0	87.0
			LN		$M_S=6.4$		16.0	34.6	GTA	43.4	334	−P	02 17 47.0		−2.0		
			LE				16.0	13.2				PMZ		$m_b=5.7$		0.8	0.10
TIY	37.6	347	eP	02 17 02.0		1.3						PMZ		$m_B=5.6$		8.0	0.86
			PMZ		$m_B=5.9$		6.0	1.46				pP	02 17 51.7		−2.8		
			S	02 22 53.5		4.7						sP	02 17 54.0		−3.3		
			LN		$M_S=6.7$		19.0	71.5				PP	02 19 30.0		−1.4		
			LE				18.0	52.8				S	02 24 10.0		−5.8		
DL2	37.6	359	eP	02 17 00.0		−0.6						ScS	02 27 46.4		0.7		
			PMZ		$m_b=6.0$		0.8	0.20				LE		$M_S=6.4$		16.5	31.1
			PMZ		$m_B=6.0$		6.0	1.79				LZ		$M_S=6.5$		18.0	53.0
			SMN				20.0	0.049	MDJ	43.7	7	eP	02 17 51.0		−0.2		
			SME				9.0	0.017				PMZ		$m_b=6.1$		1.2	0.40
			LN		$M_S=6.4$		18.0	35.1				PMZ		$m_B=6.3$		4.0	2.14
			LE				16.0	20.9				pP	02 17 55.0		−1.9		
			LZ		$M_S=6.0$		36.0	42.0				LN		$M_S=6.5$		14.0	8.30
LZH	38.9	335	eP	02 17 12.0		0.2						LE				18.0	34.9
			PMZ		$m_b=5.9$		2.0	0.41	WMQ	52.6	329	P	02 19 00.5		−0.3		
			PMZ		$m_B=6.2$		5.0	1.97				PMZ		$m_b=4.8$		1.5	0.020
			sP	02 17 24.0		3.8						PMZ		$m_B=6.4$		4.0	2.20
			PP	02 18 38.0		−6.2						sP	02 19 10.0		0.9		
			ScP	02 23 13.0		3.9						PcP	02 20 08.0		−1.9		
			sS	02 23 14.0		−5.1						PP	02 21 06.0		5.7		
			ScS	02 27 19.0		0.3						S	02 26 28.0		2.4		
			LE		$M_S=6.3$		15.0	25.8				PcS	02 24 08.0		1.0		
			LZ		$M_S=6.3$		24.0	59.5				LN		$M_S=6.5$		16.0	22.0
BJI	39.1	352	eP	02 17 14.0		0.3						LE				18.0	16.0
			PMZ		$m_b=5.3$		1.0	0.060				LZ		$M_S=6.3$		22.0	29.7
			PMZ		$m_B=6.2$		5.0	2.18	KSH	57.1	318	eP	02 19 34.0		0.3		
			ePP	02 18 48.0		0.9						sP	02 19 46.0		4.0		
			eS	02 23 18.0		4.5						PP	02 21 43.0		1.8		
			eScS	02 27 23.5		3.3						LE		$M_S=6.7$		16.0	30.0
			LN		$M_S=6.3$		16.0	22.1									

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AUG 8d 04h 00m 01.1±0.05s, SD1.52/157
1.32 N±0.78km, 122.71 E±1.06km, h43±0.20km
Minahassa Peninsula (Celebes) (265)
M_S5.5/46, m_B5.8/23, m_b5.2/48

QZN	21.7	325	eP	04 04 47.0	−3.0			
			PMZ	m_b=5.1		1.3	0.13	
			pP	04 05 00.0	−0.4			
			LN	M_S=5.4		17.0	8.40	
			LE			14.0	4.24	
GZH	23.5	338	−P	04 05 08.0	0.1			
			PMZ	m_B=5.8		6.0	2.56	
			S	04 09 20.0	6.0			
			LN	M_S=5.5		16.0	9.23	
			LE			16.0	3.90	
			LZ	M_S=5.5		16.0	13.1	
QZH	23.8	351	−P	04 05 12.0	0.8			
			LN	M_S=5.3		12.0	3.86	
			LE			12.0	2.90	
GYA	29.4	330	−P	04 06 03.0	0.2			
			PMZ	m_b=5.0		1.0	0.030	
			PMZ			3.0	0.70	
			pP	04 06 14.0	0.4			
			sP	04 06 22.0	3.6			
			PP	04 06 54.0	−4.0			
			S	04 10 57.0	5.9			
			LN	M_S=5.6		16.0	7.90	
			LE			16.0	3.70	
			LZ	M_S=5.1		16.0	3.60	
SSE	29.6	357	−P	04 06 05.0	−0.1			
			PMZ	m_B=5.6		7.0	0.88	
			pP	04 06 17.0	0.9			
			sP	04 06 25.0	4.1			
			S	04 11 00.0	4.6			
			PcS	04 12 48.0	−2.1			
			LN	M_S=5.4		14.0	3.63	
			LE			15.0	2.59	
			LZ	M_S=5.4		20.0	8.26	
WHN	30.1	346	+P	04 06 10.5	1.2			
			PMZ	m_b=5.5		2.0	0.18	
			sP	04 06 20.5	−4.7			
			LN	M_S=5.8		17.0	13.2	
			LE			17.0	5.10	
			LZ	M_S=5.5		18.0	9.04	
KMI	30.5	322	−P	04 06 13.5	0.2			
			PMZ	m_b=5.1		2.0	0.070	
			pP	04 06 25.5	1.6			
			LN	M_S=5.2		15.0	1.60	
			LE			15.0	2.90	
			S	04 11 15.0	5.6			
			LZ	M_S=5.3		18.0	6.50	
NJ2	30.8	354	−P	04 06 15.0	−0.2			
			PMZ	m_B=5.6		6.0	0.72	
			pP	04 06 27.0	0.9			
			sP	04 06 35.0	4.1			
			S	04 11 20.0	6.7			
			LN	M_S=5.4		12.0	3.43	
			LE			11.0	1.97	
			LZ	M_S=5.1		18.0	3.53	
CD2	34.5	330	−iP	04 06 46.6	−0.8			
			PMZ	m_b=5.4		0.9	0.060	
			pP	04 06 59.0	0.6			
			sP	04 07 05.5	2.4			
			S	04 12 14.0	3.2			
			sS	04 12 35.0	4.5			
			LE	M_S=5.3		14.0	2.69	
			LZ	M_S=5.4		14.0	4.49	
XAN	35.0	340	eP	04 06 51.0	−1.0			
			PMZ	m_B=5.7		5.0	0.70	
			sP	04 07 12.0	0.2			
			PP	04 08 14.0	3.7			
			S	04 12 22.0	2.8			
			LN	M_S=5.8		18.0	11.1	
			LE			18.0	6.10	
TIA	35.1	352	eP	04 06 52.8	0.1			
DL2	37.4	359	eP	04 07 12.5	0.3			
			PMZ	m_b=5.9		0.8	0.15	
			eS	04 12 58.0	1.0			
			LN	M_S=5.5		18.0	3.60	
			LE			14.0	3.41	
			LZ	M_S=5.1		17.0	2.69	
TIY	37.4	347	eP	04 07 12.7	0.3			
			PP	04 08 41.0	0.7			
			S	04 13 02.0	5.7			
			LN	M_S=5.7		17.0	7.49	
			LZ	M_S=5.6		18.0	9.27	
LZH	38.8	335	−P	04 07 24.0	0.3			
			PMZ	m_b=5.5		2.0	0.18	
			PMZ	m_B=5.5		6.0	0.50	
			pP	04 07 37.0	2.3			
			sP	04 07 43.0	3.5			
			PP	04 08 57.0	0.7			
			S	04 13 16.0	−0.6			
			PcS	04 13 26.0	3.7			
			sS	04 13 36.0	−0.5			
			SS	04 15 58.0	−2.4			
			ScS	04 17 30.0	3.3			
			LE	M_S=5.5		15.0	4.25	
			LZ	M_S=5.5		18.0	6.71	
BJI	39.0	352	eP	04 07 25.0	−0.4			
			PMZ	m_b=4.9		1.0	0.020	
			PMZ	m_B=5.5		5.0	0.44	
			ePP	04 09 00.0	1.1			
			eS	04 13 26.0	5.0			
			eSS	04 16 10.0	4.6			
			eScS	04 17 32.0	4.0			
			LN	M_S=5.4		16.0	2.90	
			LE			16.0	2.20	
			LZ	M_S=5.4		18.0	5.30	
SNY	40.3	1	+P	04 07 32.0	−4.5			
			PMZ	m_b=5.5		2.0	0.15	
			PMZ	m_B=5.7		5.0	0.68	
			pP	04 07 47.0	−0.7			
			S	04 13 41.0	0.9			
			sS	04 13 59.0	−1.0			
			LN	M_S=5.7		19.0	6.85	
			LE			16.0	3.01	
			LZ	M_S=5.7		18.0	9.64	
HHC	40.6	347	−P	04 07 39.0	0.0			
			pP	04 07 51.5	1.4			
			PP	04 09 19.0	3.0			
			S	04 13 45.0	0.6			
			LN	M_S=5.8		17.0	4.90	
			LE			17.0	5.90	
			LZ	M_S=5.7		18.0	9.70	
BTO	40.8	345	eP	04 07 40.6	0.5			
			PMZ	m_B=5.8		5.0	0.80	
			pP	04 07 50.0	−1.2			
			PP	04 09 18.0	0.7			
			iS	04 13 50.5	2.9			
LSA	41.2	316	eP	04 07 45.5	1.4			
			eS	04 13 52.0	−2.8			
			LN	M_S=4.9		13.0	0.79	
CN2	42.4	3	eP	04 07 52.9	−0.3			
			PMZ	m_b=4.6		1.0	0.010	
			epP	04 08 02.0	−2.4			
			LN	M_S=5.4		15.0	1.70	

			LE				15.0	2.50
			LZ		$M_S=6.0$		15.0	14.5
GTA	43.3	334	−P	04 08	01.6	0.7		
			PMZ		$m_b=5.2$		0.8	0.030
			pP	04 08	10.4	−1.6		
			sP	04 08	13.0	−3.8		
			PP	04 09	44.0	0.5		
			S	04 14	29.0	5.4		
			sS	04 14	41.0	−2.6		
			SS	04 17	36.0	4.0		
			ScS	04 17	56.0	2.4		
			LN		$M_S=5.7$		17.0	5.37
			LZ		$M_S=5.6$		16.0	5.86
MDJ	43.5	7	−P	04 08	02.5	−0.3		
			PMZ		$m_b=5.7$		1.5	0.16
			PMZ				3.2	1.01
			sP	04 08	14.5	−4.3		
			iS	04 14	30.0	1.7		
			LN		$M_S=5.4$		14.0	1.38
			LE				14.0	1.75

AUG 8d 11h 12m 37.9 ± 0.03s, SD1.05 / 246
26.93 N ± 1.08km, 65.84 E ± 0.45km, h51 ± 0.24km
Pakistan (710)
M_S4.6 / 18, m_B5.6 / 1, m_b5.4 / 89

KSH	15.1	31	eP	11 16	06.0	−4.0		
			LE		$M_S=5.3$		7.0	5.00
LSA	22.4	77	P	11 17	36.0	1.7		
			pP	11 17	45.0	−0.8		
WMQ	24.4	41	−iP	11 17	55.0	1.9		
			PMZ		$m_b=6.0$		1.0	0.63
			pP	11 18	05.0	−0.1		
			S	11 22	03.0	−2.5		
			sS	11 22	32.0	5.2		
			LN		$M_S=4.8$		8.0	0.66
			LE				8.0	0.72
			LZ		$M_S=4.2$		20.0	0.82
GTA	30.9	58	−iP	11 18	52.6	0.6		
			PMZ		$m_b=4.6$		1.0	0.010
			pP	11 19	03.8	−0.4		
			sP	11 19	08.0	−1.8		
			LE		$M_S=4.5$		15.0	0.55
			LZ		$M_S=4.4$		24.0	0.99
KMI	33.1	85	−P	11 19	11.0	−1.0		
			PMZ		$m_b=5.6$		2.0	0.20
			pP	11 19	21.0	−3.2		
CD2	33.3	74	−iP	11 19	12.8	−0.6		
			PMZ		$m_b=5.7$		0.9	0.12
			eS	11 24	30.0	0.9		
			LN		$M_S=4.9$		10.0	0.87
LZH	33.5	65	−iP	11 19	15.2	0.2		
			PMZ		$m_b=5.6$		1.2	0.13
			PMZ		$m_B=5.6$		4.0	0.40
			pP	11 19	23.0	−4.3		
			LN		$M_S=4.6$		12.0	0.56
			LZ		$M_S=4.6$		25.0	1.43
GYA	36.4	81	−P	11 19	37.6	−1.9		
			PMZ		$m_b=5.4$		1.0	0.060
			S	11 25	21.0	5.9		
			LN		$M_S=4.6$		16.0	0.50
			LE				16.0	0.40
XAN	37.6	68	iP	11 19	49.1	−0.5		
BTO	38.8	58	P	11 20	01.0	1.3		
			sP	11 20	18.0	0.2		
			PP	11 21	33.0	0.6		
			S	11 25	48.0	−3.9		
			LN		$M_S=4.5$		10.0	0.20
			LE				11.0	0.24
HHC	40.0	58	P	11 20	11.4	1.8		
			PMZ		$m_b=5.9$		2.0	0.36
			pP	11 20	21.0	−1.2		
			sP	11 20	26.0	−1.8		
			S	11 26	16.0	6.1		
			LN		$M_S=4.5$		12.0	0.20
			LE				12.0	0.20
TIY	40.4	63	eP	11 20	14.0	0.5		
			PMZ		$m_b=5.5$		1.0	0.074
			S	11 26	22.0	5.0		
			LN		$M_S=4.8$		12.0	0.64
			LZ		$M_S=4.4$		20.0	0.60
QZN	41.1	92	P	11 20	18.8	0.0		
			LN		$M_S=4.6$		11.0	0.33
WHN	42.4	73	−P	11 20	30.6	0.9		
			PMZ		$m_b=6.0$		1.0	0.22
			pP	11 20	47.5	5.0		
BJI	43.4	59	eP	11 20	38.5	0.6		
			PMZ		$m_b=5.6$		1.0	0.087
			LN		$M_S=4.8$		10.0	0.26
			LE				12.0	0.39
			LZ		$M_S=4.4$		20.0	0.48
TIA	44.2	65	−P	11 20	44.9	0.6		
NJ2	46.0	70	−P	11 20	59.0	0.1		
			PMZ		$m_b=5.8$		1.0	0.12
			sP	11 21	16.2	−0.9		
			LZ		$M_S=4.2$		20.0	0.30
DL2	47.7	61	−P	11 21	12.2	0.6		
			PMZ		$m_b=5.7$		1.0	0.090
SSE	48.2	71	−P	11 21	16.0	0.6		
			PMZ		$m_b=5.7$		1.4	0.15
			pP	11 21	27.7	−0.6		
			eS	11 28	12.0	2.5		
			LZ		$M_S=4.6$		20.0	0.73
SNY	49.0	57	−P	11 21	21.6	−0.6		
			PMZ		$m_b=5.3$		1.3	0.050
CN2	50.4	54	−P	11 21	32.5	0.0		
			PMZ		$m_b=5.0$		1.0	0.020
			esP	11 21	53.0	2.3		
			eS	11 28	42.0	1.7		
			LZ		$M_S=4.8$		20.0	0.90
MDJ	53.3	53	eP	11 21	53.6	−1.0		
			PMZ		$m_b=5.3$		1.5	0.060

AUG 8d 13h 22m 30.0 ± 0.05s, SD1.62 / 121
12.02 N ± 0.80km, 120.70 E ± 0.98km, h21 ± 0.06km
Palawan (252)
M_S4.9 / 36, m_B5.3 / 4, m_b4.8 / 31

QZN	12.6	305	P	13 25	28.6	−2.1		
			PMZ		$m_b=5.3$		0.8	0.050
			S	13 27	44.1	−6.5		
			LN		$M_S=4.9$		12.0	2.82
			LE				14.0	3.39
GZH	13.0	329	P	13 25	37.0	−0.1		
			LN		$M_S=4.8$		12.0	3.14
			LZ		$M_S=4.5$		16.0	2.49
SSE	19.0	1	P	13 26	50.0	−3.1		
			PMZ				16.0	0.44
			eS	13 30	20.0	−0.9		
			LE		$M_S=4.5$		13.0	1.00
			LZ		$M_S=4.4$		20.0	1:84
WHN	19.4	343	eP	13 26	59.0	1.8		
			PMZ		$m_b=4.8$		1.0	0.047
			PMZ		$m_B=5.4$		4.0	0.71
			LE		$M_S=4.8$		11.0	1.65
			LZ		$M_S=4.4$		16.0	1.19
GYA	19.5	319	P	13 27	01.0	1.9		
			PMZ		$m_B=5.4$		4.0	0.70

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			LN		$M_S=5.2$		15.0	4.20	
			LE				15.0	3.90	
			LZ		$M_S=4.4$		18.0	1.60	
NJ2	20.0	355	−P	13 27 04.0		−0.5			
			LN		$M_S=4.7$		10.0	0.66	
			LE				9.0	0.83	
			LZ		$M_S=4.2$		20.0	0.89	
KMI	21.4	310	−P	13 27 20.5		1.3			
			LN				1.2	1.00	
			LE				1.2	1.10	
			LZ		$M_S=4.7$		20.0	2.60	
TIA	24.3	353	eP	13 27 48.0		0.5			
			PMZ		$m_b=4.6$		0.8	0.020	
			eS	13 31 56.0		−6.7			
			LE		$M_S=4.5$		11.0	0.70	
			LZ		$M_S=4.3$		21.0	1.00	
XAN	24.4	336	−P	13 27 48.5		−0.1			
			S	13 32 08.0		4.2			
			LN		$M_S=4.9$		11.0	1.00	
			LE				11.0	1.40	
CD2	24.5	323	eP	13 27 49.2		0.0			
			PMZ		$m_b=5.0$		0.8	0.050	
			eS	13 32 07.5		1.8			
			LE		$M_S=4.9$		10.0	1.31	
			LZ		$M_S=4.6$		18.0	1.64	
TIY	26.6	345	eP	13 28 08.6		−1.0			
			S	13 32 38.5		−2.3			
			LE		$M_S=4.7$		11.0	0.88	
			LZ		$M_S=4.8$		14.0	1.67	
DL2	26.8	2	eP	13 28 12.8		1.9			
BJI	28.2	353	eP	13 28 22.0		−1.7			
			eS	13 33 08.0		1.3			
			LN		$M_S=4.3$		12.0	0.37	
			LZ		$M_S=4.4$		20.0	0.90	
LZH	28.4	330	+iP	13 28 25.5		−0.1			
			PMZ		$m_b=5.4$		1.5	0.12	
			PMZ		$m_B=5.3$		4.0	0.23	
			pP	13 28 33.5		1.0			
			sP	13 28 37.5		1.7			
			eS	13 33 12.0		1.8			
			LE		$M_S=4.9$		12.0	1.44	
			LZ		$M_S=4.5$		20.0	1.28	
HHC	29.8	346	eP	13 28 36.0		−2.4			
			S	13 33 36.0		4.1			
			LN		$M_S=4.7$		11.0	0.50	
			LE				12.0	0.56	
BTO	30.0	344	eP	13 28 38.5		−1.3			
			eS	13 33 36.2		0.7			
			LN		$M_S=5.1$		10.0	0.50	
			LE				10.0	1.70	
			LZ		$M_S=4.4$		12.0	0.50	
LSA	32.6	307	eP	13 29 03.8		0.6			
GTA	33.0	330	+iP	13 29 06.1		0.0			
			pP	13 29 10.6		−2.5			
			sP	13 29 13.0		−3.4			
			PP	13 30 17.8		2.0			
			eS	13 34 24.0		1.6			
			SS	13 36 24.0		2.9			
			LE		$M_S=5.1$		11.0	1.52	
			LZ		$M_S=4.9$		16.0	1.74	
WMQ	42.5	324	eP	13 30 26.0		−0.5			
			PMZ		$m_b=4.6$		1.0	0.010	
			LZ		$M_S=5.4$		15.0	3.91	

AUG 8d 13h 58m 10.3 ± 0.13s, SD1.34 / 48
21.67 S ± 1.13km, 174.09 W ± 0.80km, h44 ± 1.37km
Tonga region (174)
m_b5.1 / 11,

CN2	85.5	321	eP	14 10 45.4		−0.2			
WHN	86.1	305	−P	14 10 49.0		0.5			
TIA	86.8	311	eP	14 10 51.3		−0.6			
BJI	89.3	314	eP	14 11 01.5		−2.5			
TIY	90.8	311	eP	14 11 10.8		−0.3			
XAN	91.8	306	P	14 11 15.5		−0.1			
HHC	92.8	313	eP	14 11 20.4		0.0			

AUG 8d 15h 26m 12.3 ± 0.07s, SD0.94 / 61
4.53 S ± 0.48km, 151.89 E ± 0.14km, h180 ± 0.68km
New Britain region (192)
m_b5.2 / 14,

WHN	50.0	317	−P	15 34 52.5		1.6			
DL2	51.5	330	eP	15 35 01.8		0.0			
			PMZ		$m_b=5.3$		1.0	0.070	
GYA	53.5	308	P	15 35 17.0		0.1			
			pP	15 35 59.0		1.9			
CN2	53.7	336	eP	15 35 17.5		−0.6			
BJI	55.2	327	eP	15 35 28.0		−0.8			
XAN	55.8	317	+iP	15 35 33.1		−0.4			
CD2	57.9	311	+iP	15 35 48.4		0.3			
			PMZ		$m_b=5.2$		0.8	0.040	
HHC	58.3	325	eP	15 35 51.6		0.5			
LZH	60.4	316	+iP	15 36 06.0		0.4			
			PMZ		$m_b=5.1$		1.2	0.043	
GTA	64.8	318	−P	15 36 35.0		0.1			
			PMZ		$m_b=4.7$		0.8	0.010	
WMQ	74.9	318	eP	15 37 35.5		−0.5			

AUG 8d 16h 30m 05.8 ± 0.04s, SD1.17 / 183
20.22 S ± 0.71km, 178.06 W ± 0.78km, h578 ± 0.30km
Fiji region (181)
m_b5.2 / 63,

NJ2	79.7	310	−P	16 41 16.0		0.1			
			PMZ		$m_b=5.0$		1.4	0.10	
DL2	81.5	317	eP	16 41 25.5		0.2			
			PMZ		$m_b=4.8$		1.0	0.040	
SNY	82.0	320	−P	16 41 27.4		−0.3			
			PMZ		$m_b=4.7$		0.8	0.021	
CN2	82.0	322	−P	16 41 28.0		−0.1			
			PMZ		$m_b=4.8$		1.0	0.040	
			PMZ				3.0	0.30	
			epP	16 43 30.0		−0.5			
			eS	16 50 54.0		−2.1			
WHN	82.2	306	+P	16 41 30.0		1.0			
TIA	83.0	312	eP	16 41 32.5		−0.7			
BJI	85.7	315	eP	16 41 45.5		−0.4			
			PMZ		$m_b=4.9$		1.0	0.027	
GYA	86.5	300	P	16 41 54.4		4.5			
TIY	87.1	312	eP	16 41 52.5		−0.1			
HHC	89.1	314	eP	16 42 03.0		0.7			
			PMZ		$m_b=5.1$		1.0	0.028	
KMI	89.2	297	−P	16 42 04.0		1.3			
			PMZ		$m_b=5.4$		2.5	0.13	
CD2	90.6	303	eP	16 42 09.8		0.8			
LZH	92.6	307	−iP	16 42 19.0		0.9			
			PMZ		$m_b=5.5$		1.0	0.044	
			eS	16 52 38.0		5.4			
GTA	96.8	309	eP	16 42 36.8		−0.3			
			PMZ		$m_b=4.8$		1.2	0.010	

AUG 8d 22h 08m 30.3 ± 0.03s, SD1.17 / 59
1.38 N ± 0.61km, 122.72 E ± 0.81km, h33 ± 0.02km
Minahassa Peninsula (Celebes) (265)
M_S4.8 / 4, m_b4.8 / 17,

SSE	29.6	357	eP	22 14 36.0		1.3			
			S	22 19 30.0		4.1			
			LZ		$M_S=4.3$		17.0	0.59	

			LZ		$M_S=4.3$		20.0	0.64
CD2	34.4	330	eP	22 15 16.6		−0.6		
XAN	35.0	340	eP	22 15 22.5		0.7		
TIY	37.4	347	eP	22 15 40.5		−1.7		
			S	22 21 31.0		4.1		
			LE		$M_S=4.8$		17.0	0.91
			LZ		$M_S=4.4$		20.0	0.58
LSA	41.2	316	−P	22 16 15.7		1.6		
GTA	43.2	334	P	22 16 31.6		0.8		
			PMZ		$m_b=4.6$		1.0	0.010
			sP	22 16 42.4		−1.4		
			PcP	22 18 19.4		0.0		
			eS	22 22 57.0		1.4		
			LE		$M_S=4.8$		17.0	0.67
			LZ		$M_S=4.4$		18.0	0.40
WMQ	52.5	328	P	22 17 43.0		0.3		
			PMZ		$m_b=4.6$		1.2	0.010
			pP	22 17 54.0		2.1		
			eS	22 25 08.0		2.3		
			LZ		$M_S=4.5$		20.0	0.41

AUG 8d 23h 24m 15.4 ± 0.10s, SD3.33 / 7
23.98 N ± 0.53km, 121.48 E ± 0.80km, h12 ± 1.33km
Taiwan (244)
M_L3.6 / 7,

QZH	2.8	291	ePn	23 25 02.5		2.1		
			Sn	23 25 36.0		−0.1		
			SMN		$M_L=3.2$		0.8	0.13
			SME				0.8	0.10

AUG 9d 06h 28m 03.2 ± 0.04s, SD1.30 / 157
1.39 N ± 0.62km, 122.72 E ± 0.81km, h37 ± 0.25km
Minahassa Peninsula (Celebes) (265)
M_S4.9 / 38, m_B5.3 / 4, m_b5.4 / 56

GZH	23.4	338	P	06 33 11.0		1.0		
			S	06 37 22.0		5.6		
			LN		$M_S=5.0$		14.0	2.01
			LE				13.0	1.65
			LZ		$M_S=4.8$		16.0	2.38
QZH	23.8	351	−P	06 33 13.5		0.2		
			PMZ		$m_B=5.4$		4.0	0.70
			S	06 37 24.0		1.6		
			LN		$M_S=4.7$		18.0	1.61
GYA	29.3	330	P	06 34 05.0		−0.1		
			PMZ		$m_b=5.1$		1.2	0.040
			PP	06 35 03.0		3.0		
			S	06 38 59.0		5.3		
			sS	06 39 12.0		1.0		
			LN		$M_S=4.9$		14.0	1.40
			LE				14.0	0.80
			LZ		$M_S=4.6$		20.0	1.30
SSE	29.6	357	P	06 34 06.0		−1.2		
			PMZ		$m_b=4.7$		1.0	0.015
			pP	06 34 16.0		−1.1		
			S	06 39 00.0		2.1		
			sS	06 39 20.0		4.8		
			LN		$M_S=4.9$		16.0	1.49
			LE				14.0	0.73
			LZ		$M_S=4.6$		20.0	1.38
WHN	30.1	345	P	06 34 13.0		1.5		
			PMZ		$m_b=5.0$		1.0	0.030
			pP	06 34 24.0		2.6		
			PcP	06 37 12.0		−0.3		
			S	06 39 09.0		3.5		
			LN		$M_S=5.1$		16.0	2.14
			LE				14.0	0.92
			LZ		$M_S=4.6$		16.0	1.19
KMI	30.5	322	−iP	06 34 16.2		0.6		
			PMZ		$m_b=5.0$		2.0	0.060
			pP	06 34 27.0		1.9		
			eS	06 39 18.0		4.5		
			LE		$M_S=4.5$		8.0	0.36
			LZ		$M_S=4.7$		14.0	1.20
NJ2	30.7	354	eP	06 34 18.0		0.6		
			pP	06 34 26.0		−1.1		
			S	06 39 22.0		6.2		
			LN		$M_S=4.8$		10.0	0.66
			LE				8.0	0.40
			LZ		$M_S=4.3$		20.0	0.65
CD2	34.4	330	eP	06 34 49.4		−0.3		
			PMZ		$m_b=5.4$		0.9	0.050
			S	06 40 14.5		1.0		
			LE		$M_S=4.8$		12.0	0.86
			LZ		$M_S=4.3$		18.0	0.54
XAN	35.0	340	eP	06 34 54.0		−0.3		
			S	06 40 22.0		0.2		
			LN		$M_S=4.8$		14.0	0.70
			LE				14.0	0.70
TIA	35.0	352	eP	06 34 54.9		0.0		
			eS	06 40 22.0		−2.0		
			LN		$M_S=4.8$		16.0	0.96
			LZ		$M_S=4.9$		16.0	1.63
DL2	37.4	359	eP	06 35 15.0		0.5		
			PMZ		$m_b=5.8$		1.0	0.16
			S	06 40 55.0		−3.7		
			LN		$M_S=4.9$		15.0	1.08
			LZ		$M_S=4.5$		15.0	0.58
TIY	37.4	347	eP	06 35 15.0		0.3		
			PP	06 36 43.0		0.6		
			S	06 40 58.0		−0.9		
			LE		$M_S=4.7$		12.0	0.56
			LZ		$M_S=4.9$		15.0	1.54
LZH	38.7	335	−P	06 35 27.2		1.2		
			PMZ		$m_b=5.2$		2.0	0.088
			PMZ		$m_B=5.3$		6.0	0.27
			pP	06 35 34.0		−1.8		
			sP	06 35 38.5		−1.6		
			PP	06 37 00.0		1.6		
			S	06 41 22.0		2.7		
			SS	06 44 05.0		2.7		
			LE		$M_S=5.0$		14.0	1.13
			LZ		$M_S=4.8$		18.0	1.26
BJI	38.9	352	eP	06 35 27.5		−0.1		
			PMZ		$m_b=5.0$		1.2	0.030
			epP	06 35 38.5		0.9		
			ePP	06 37 00.0		−1.0		
			eS	06 41 24.0		0.5		
			sS	06 41 44.0		3.8		
			LZ		$M_S=4.7$		16.0	0.87
SNY	40.3	1	−P	06 35 37.0		−1.7		
			PMZ		$m_b=5.5$		1.2	0.090
			pP	06 35 48.0		−0.7		
			S	06 41 40.0		−2.6		
			LN		$M_S=5.0$		15.0	1.23
			LZ		$M_S=5.0$		17.0	1.65
HHC	40.6	347	P	06 35 42.0		0.7		
			pP	06 35 53.0		1.9		
			LN		$M_S=4.8$		14.0	0.50
			LE				15.0	0.50
BTO	40.7	345	P	06 35 43.2		0.8		
			sP	06 35 54.0		−2.6		
			ePP	06 37 25.0		5.5		
			S	06 41 53.5		4.5		
			LN		$M_S=5.2$		17.0	1.80
			LE				14.0	0.50
			LZ		$M_S=5.0$		17.0	1.90

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GTA	43.2	334	+P	06 36 04.0	0.7			
			PMZ	$m_b = 5.2$		1.0	0.040	
			PMZ	$m_B = 5.6$		3.5	0.34	
			pP	06 36 15.6	2.4			
			sP	06 36 20.8	3.4			
			PP	06 37 47.6	1.8			
			PcP	06 37 51.8	0.1			
			S	06 42 31.0	4.7			
			SS	06 45 40.0	5.7			
			ScS	06 45 58.0	1.0			
			LN	$M_S = 5.0$		13.0	0.98	
			LZ	$M_S = 5.1$		16.0	1.74	
MDJ	43.5	7	eP	06 36 04.1	−1.0			
			PMZ	$m_b = 5.6$		1.2	0.11	
WMQ	52.5	328	P	06 37 15.0	−0.2			
			PMZ	$m_b = 5.2$		1.5	0.050	
			pP	06 37 27.5	2.3			
			S	06 44 40.0	3.6			
			LZ	$M_S = 4.8$		16.0	0.78	
KSH	57.0	318	P	06 37 45.0	−3.4			
			LN	$M_S = 5.3$		8.0	0.70	

AUG 9d 09h 51m 25.0 ± 0.09s, SD3.66 / 10
24.05 N ± 0.74km, 102.73 E ± 0.65km, h12 ± 0.37km
Yunnan Province (318)
M_L3.4 / 7,

KMI	1.1	0	−iPg	09 51 43.8	−0.9			
			Sg	09 51 59.5	0.1			
			SMN	$M_L = 3.1$		0.8	0.40	
			SME			0.8	0.40	
GYA	4.3	55	ePn	09 52 28.0	−2.6			
			Pg	09 52 46.0	5.2			
			Sn	09 53 17.0	−5.6			
			SMN	$M_L = 3.4$		1.2	0.080	
			SME			1.2	0.050	
CD2	6.9	7	ePg	09 53 31.8	5.0			

AUG 9d 20h 16m 00.7 ± 0.03s, SD1.01 / 253
23.30 S ± 0.76km, 179.16 W ± 0.65km, h464 ± 0.26km
South of Fiji (171)
m_B5.1 / 1, m_b5.3 / 79,

QZH	77.1	304	−P	20 27 07.4	0.3			
			PMZ	$m_b = 5.2$		0.6	0.047	
			S	20 36 19.0	2.6			
SSE	78.7	311	P	20 27 14.5	−1.2			
			PMZ	$m_b = 4.7$		1.2	0.034	
			eS	20 36 34.0	−0.7			
NJ2	80.8	311	+P	20 27 28.0	0.9			
			PMZ	$m_b = 5.0$		1.2	0.063	
			S	20 37 00.0	4.6			
MDJ	82.2	326	−P	20 27 34.0	0.0			
			PMZ	$m_b = 5.4$		1.0	0.11	
WHN	83.2	307	P	20 27 40.0	0.8			
			PMZ	$m_b = 5.6$		2.0	0.36	
SNY	83.7	321	−iP	20 27 41.2	−0.1			
			PMZ	$m_b = 5.1$		1.0	0.054	
CN2	83.9	323	−iP	20 27 42.7	0.4			
			PMZ	$m_b = 5.4$		1.0	0.10	
			PMZ			3.0	0.30	
			epP	20 29 24.5	−0.6			
			eSKS	20 37 16.0	−1.5			
			eS	20 37 24.0	−3.0			
TIA	84.4	313	−P	20 27 45.5	0.6			
			PMZ	$m_b = 5.6$		1.2	0.20	
GYA	87.1	300	P	20 27 58.4	0.2			
			PMZ	$m_b = 5.0$		1.2	0.040	
			SMN			5.0	0.40	
			SME			5.0	0.60	
			ScS	20 38 02.0	1.6			
BJI	87.1	316	eP	20 27 58.5	0.4			
			PMZ	$m_b = 5.0$		1.0	0.034	
			epP	20 29 43.5	1.9			
			eSKS	20 37 40.0	1.1			
			eS	20 38 00.0	2.2			
TIY	88.3	312	−iP	20 28 04.9	0.9			
			PMZ	$m_b = 5.6$		1.1	0.12	
XAN	89.0	308	−iP	20 28 07.6	0.7			
			pP	20 29 50.0	−0.8			
			SKS	20 37 54.0	3.8			
KMI	89.7	298	+iP	20 28 12.0	1.7			
			PMZ	$m_b = 5.6$		2.0	0.20	
HHC	90.5	315	−P	20 28 15.0	0.9			
			PMZ	$m_b = 5.3$		1.2	0.065	
			pP	20 29 57.0	−1.2			
			SKS	20 38 01.0	1.6			
CD2	91.4	303	eP	20 28 19.5	1.5			
			PMZ	$m_b = 5.6$		1.6	0.14	
			SKS	20 38 05.0	0.8			
BTO	91.4	314	P	20 28 18.8	0.6			
			S	20 38 40.0	5.5			
LZH	93.6	308	+P	20 28 28.5	0.1			
			SKS	20 38 18.0	1.6			
GTA	97.9	309	−P	20 28 48.1	0.3			
			PMZ	$m_b = 5.1$		1.4	0.020	
			pP	20 30 34.5	2.3			

AUG 9d 23h 31m 54.6 ± 0.03s, SD1.20 / 75
3.03 S ± 0.55km, 129.80 E ± 0.82km, h21 ± 0.04km
Seram (272)
M_S4.4 / 1, m_b5.1 / 22,

GYA	36.9	324	P	23 39 04.0	−0.1			
			pP	23 39 11.4	0.2			
			sP	23 39 18.6	4.1			
KMI	38.4	318	+P	23 39 18.0	1.1			
			PMZ	$m_b = 5.1$		1.5	0.050	
XAN	41.8	334	eP	23 39 44.5	−0.4			
CD2	41.9	326	eP	23 39 44.2	−1.6			
BJI	44.6	345	eP	23 40 08.5	0.5			
			PMZ	$m_b = 4.5$		0.6	0.0050	
SNY	45.0	353	+P	23 40 11.2	0.3			
LZH	45.8	330	+iP	23 40 18.0	0.1			
			PMZ	$m_b = 5.1$		1.5	0.042	
			pP	23 40 24.5	−0.5			
			sP	23 40 29.5	1.3			
			LN	$M_S = 4.4$		15.0	0.26	
			LZ	$M_S = 4.0$		30.0	0.29	
HHC	46.7	341	+P	23 40 25.4	0.6			
MDJ	47.4	360	eP	23 40 30.0	−0.1			
LSA	49.3	314	P	23 40 45.0	0.2			
GTA	50.4	330	P	23 40 53.2	−0.4			
			PMZ	$m_b = 4.8$		0.8	0.010	
			pP	23 41 01.6	0.9			
WMQ	60.0	326	P	23 42 02.0	−0.8			

AUG 10d 00h 48m 48.6 ± 0.06s, SD2.84 / 16
38.23 N ± 0.61km, 116.00 E ± 0.56km, h11 ± 0.12km
North−Eastern China (658)
M_L3.3 / 15,

BJI	1.8	4	Pn	00 49 20.0	−0.2			
			Sn	00 49 48.0	3.0			
			SMN	$M_L = 3.1$		1.0	0.21	
			SME			1.0	0.19	
TIA	2.2	156	Pn	00 49 22.5	−3.1			
			Pg	00 49 26.7	−0.8			
			Sg	00 49 55.5	−2.2			
			SMN	$M_L = 3.3$		0.3	0.21	

			SME			0.3	0.20
TIY	2.9	261	ePg	00 49 36.0	−3.4		
			Sg	00 50 21.0	2.5		
			SMN	M_L=3.3		0.9	0.12
			SME			0.8	0.12
HHC	4.3	309	Pg	00 50 07.4	2.3		
			Sg	00 50 58.0	−5.9		
			SMN	M_L=3.7		0.9	0.13
			SME			0.9	0.13

AUG 10d 01h 26m 39.5±0.20s, SD3.94/5
48.18 N±1.89km, 84.93 E±0.63km, h2±km
Kazakhstan–Xinjiang border region (331)
M_L3.7/4,

WMQ	4.8	155	Pn	01 27 51.9	−1.0		
			SMN	M_L=3.5		0.8	0.080
			SME			0.6	0.050

AUG 10d 20h 21m 51.0±0.04s, SD1.60/83
33.87 N±0.56km, 92.24 E±0.51km, h9±0.05km
Qinghai Province (325)
M_S5.1/41, M_L4.2/2, m_B5.3/1,

LSA	4.3	193	Pg	20 23 09.0	2.2		
			Sg	20 24 09.4	4.9		
			LN	M_S=4.8		7.0	6.13
			LE			7.0	8.71
GTA	8.2	46	−P	20 23 54.0	0.3		
			sP	20 24 06.0	5.0		
			LN	M_S=4.8		9.0	4.49
			LZ	M_S=4.6		10.0	3.98
LZH	9.8	74	eP	20 24 15.0	−0.3		
			PMZ	m_b=4.7		1.8	0.047
			pP	20 24 18.0	−1.8		
			sP	20 24 20.5	−2.0		
			PP	20 24 24.0	1.1		
			eS	20 26 08.0	1.5		
			LN	M_S=5.4		11.0	16.6
			LZ	M_S=4.9		10.0	5.72
CD2	10.2	104	P	20 24 22.3	1.6		
			LE	M_S=5.3		7.0	9.55
			LZ	M_S=4.8		8.0	4.02
WMQ	10.5	342	P	20 24 25.0	−0.6		
			PMZ	m_b=5.2		1.0	0.070
			S	20 26 20.0	−4.5		
			LZ	M_S=4.3		16.0	2.22
KMI	12.6	131	eP	20 24 52.5	−1.6		
			pP	20 24 56.0	−2.0		
			sP	20 25 06.0	4.5		
			LN	M_S=4.8		8.0	1.21
			LE			8.0	2.23
			LZ	M_S=4.5		11.0	2.12
XAN	13.9	85	−P	20 25 08.5	−1.8		
			LN	M_S=5.2		12.0	8.10
			LE			10.0	1.90
KSH	14.2	298	eP	20 25 16.0	0.5		
			LN	M_S=5.4		8.0	7.00
GYA	14.5	117	−P	20 25 16.4	−2.4		
			PMZ	m_b=5.0		1.0	0.030
			pP	20 25 19.8	−3.1		
			sP	20 25 23.4	−3.1		
			PP	20 25 29.0	−0.8		
			S	20 27 58.0	−2.0		
			LN	M_S=5.2		10.0	5.50
			LE			10.0	2.80
			LZ	M_S=4.4		12.0	1.50
BTO	15.7	59	eP	20 25 35.6	1.6		
			LN	M_S=4.5		12.0	0.90
			LE			12.0	1.00
			LZ	M_S=4.3		12.0	1.00
TIY	16.8	71	−P	20 25 51.1	2.3		
			LN	M_S=5.3		12.0	7.68
			LZ	M_S=4.8		12.0	2.77
HHC	16.9	60	eP	20 25 49.9	0.7		
			LN	M_S=4.8		13.0	2.40
			LE			12.0	1.20
			LZ	M_S=4.8		16.0	3.60
WHN	19.0	94	eP	20 26 14.5	−1.3		
			LN	M_S=5.3		8.0	3.75
			LE			8.0	2.21
			LZ	M_S=4.5		16.0	1.79
BJI	20.1	65	eP	20 26 28.5	0.7		
			PMZ	m_b=4.7		1.2	0.040
			LN	M_S=5.0		14.0	3.32
			LZ	M_S=4.8		10.0	1.90
TIA	20.5	76	eP	20 26 30.9	−1.5		
			eS	20 30 21.0	3.9		
			LN	M_S=5.1		12.0	3.40
			LZ	M_S=4.6		14.0	1.83
GZH	21.4	115	eP	20 26 42.4	0.8		
			LN	M_S=5.2		9.0	2.63
			LE			10.0	1.64
			LZ	M_S=4.7		12.0	1.57
QZN	21.6	129	eP	20 26 43.4	0.2		
			eS	20 30 43.0	5.5		
			LN	M_S=4.9		12.5	1.77
			LE			13.0	1.39
SSE	24.5	88	eP	20 27 15.5	3.0		
			sS	20 31 42.0	2.9		
			LN	M_S=5.1		10.0	1.81
			LE			10.0	1.20
			LZ	M_S=4.5		20.0	1.38
SNY	25.9	63	eP	20 27 24.6	−0.7		
			LN	M_S=4.8		11.0	0.87
			LE			13.0	1.08
			LZ	M_S=4.8		12.0	1.45
CN2	27.5	59	eP	20 27 41.8	1.2		
			PMZ	m_b=4.5		1.0	0.010
			epP	20 27 48.0	2.3		
			LN	M_S=5.1		15.0	2.50
			LE			15.0	0.90
			LZ	M_S=5.2		18.0	5.90

AUG 10d 22h 23m 49.5±0.04s, SD2.53/6
35.93 N±0.07km, 80.94 E±0.32km, h20±0.36km
Kashmir–Tibet border region (304)
M_L3.8/2,

WMQ	9.4	31	eP	22 26 08.0	0.4		
			SMN			1.5	0.020
			SME			1.5	0.030

AUG 11d 03h 07m 17.2±0.04s, SD1.48/139
39.86 N±0.92km, 143.22 E±0.84km, h13±0.32km
Near east coast of Honshu (228)
M_S4.5/25, m_B5.0/2, m_b4.9/63

MDJ	11.2	300	−P	03 10 02.0	2.2		
			PMZ	m_b=5.0		1.0	0.041
			pP	03 10 07.0	2.1		
			LN	M_S=4.4		14.0	1.38
			LE			14.0	1.49
CN2	13.8	292	eP	03 10 38.0	2.6		
			PMZ	m_b=4.5		1.0	0.010
			pP	03 10 44.0	3.8		
			LN	M_S=4.2		14.0	0.70
			LE			14.0	0.40
			LZ	M_S=4.6		16.0	3.20
SNY	15.0	284	eP	03 10 48.0	−2.8		

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			LN		$M_S=4.3$		15.0	0.75
			LE				15.0	0.90
			LZ		$M_S=4.3$		18.0	1.67
DL2	16.7	274	eP	03 11	13.6	0.6		
			PMZ		$m_b=4.7$		1.0	0.040
			eS	03 14	20.0	2.0		
			LZ		$M_S=4.0$		15.0	0.58
SSE	19.9	251	eP	03 11	48.0	−3.8		
			sP	03 12	01.5	0.8		
			LN		$M_S=4.4$		16.0	1.00
			LZ		$M_S=4.6$		16.0	2.20
BJI	20.7	279	eP	03 11	57.5	−2.6		
			LE		$M_S=4.3$		14.0	0.63
			LZ		$M_S=4.2$		14.0	0.59
TIA	20.8	268	eP	03 11	59.5	−2.1		
			eS	03 15	50.0	0.9		
			LE		$M_S=4.5$		12.0	0.97
			LZ		$M_S=4.5$		20.0	1.76
NJ2	21.2	256	+P	03 12	03.4	−1.4		
			sP	03 12	17.0	3.4		
			LN		$M_S=4.5$		13.0	0.84
			LZ		$M_S=4.1$		16.0	0.58
TIY	24.0	275	eP	03 12	32.4	−0.9		
			LN		$M_S=4.5$		15.0	0.71
			LE				17.0	0.76
			LZ		$M_S=4.3$		22.0	1.04
HHC	24.1	283	P	03 12	32.4	−1.3		
			LE		$M_S=4.5$		16.0	0.91
			LZ		$M_S=4.6$		18.0	1.81
WHN	25.3	257	+P	03 12	45.0	0.0		
			PMZ		$m_b=5.4$		1.0	0.10
BTO	25.3	282	eP	03 12	43.9	−1.4		
			LN		$M_S=4.6$		15.0	0.30
			LE				16.0	1.00
			LZ		$M_S=4.5$		16.0	1.20
XAN	27.9	269	P	03 13	08.1	−1.3		
LZH	31.1	276	eP	03 13	37.0	−1.0		
			PMZ		$m_b=5.2$		1.5	0.060
			sP	03 13	44.5	−2.2		
			LE		$M_S=4.6$		13.0	0.62
			LZ		$M_S=4.6$		15.0	0.87
GYA	33.2	257	P	03 13	54.8	−1.2		
			PMZ		$m_b=5.4$		1.2	0.070
			LN		$M_S=5.0$		16.0	0.80
			LE				16.0	1.50
			LZ		$M_S=4.7$		18.0	1.30
CD2	33.2	267	+P	03 13	55.5	−0.5		
			PMZ		$m_b=5.3$		0.6	0.030
			LN		$M_S=4.8$		13.0	0.97
			LZ		$M_S=4.6$		14.0	0.90
GTA	33.2	283	+iP	03 13	56.7	0.4		
			PMZ		$m_b=5.1$		1.0	0.030
			LE		$M_S=4.9$		16.0	1.30
			LZ		$M_S=4.7$		18.0	1.46
KMI	36.8	259	+P	03 14	27.5	0.0		
			PMZ		$m_b=5.3$		1.5	0.080
WMQ	40.9	294	P	03 15	02.0	0.7		
			PMZ		$m_b=5.2$		1.5	0.060
			sP	03 15	13.5	3.4		
			eS	03 21	19.0	6.4		
			LZ		$M_S=4.5$		16.0	0.52

AUG 11d 05h 07m 10.5 ± 0.09s, SD2.47 / 13
36.30 N ± 0.87km, 81.00 E ± 0.51km, h23 ± 0.22km
Kashmir–Tibet border region (304)
M_L4.6 / 3,

KSH	5.1	310	ePn	05 08	28.9	2.2			
			Sg	05 09	48.1	−3.5			
			SMN		$M_L=5.1$		0.5	2.50	
			SME				0.6	2.70	
WMQ	9.1	32	eP	05 09	24.0	0.3			
			SMN				1.0	0.070	
			SME				1.0	0.070	
CD2	19.7	99	eP	05 11	41.2	0.0			
TIY	25.1	77	eP	05 12	36.6	1.2			

AUG 11d 12h 18m 23.2 ± 0.05s, SD0.99 / 143
52.58 N ± 0.83km, 159.40 E ± 0.57km, h33 ± 0.13km
Near east coast of Kamchatka (218)
M_S4.8 / 14, m_b4.9 / 62,

MDJ	21.1	260	eP	12 23	06.0	−1.9			
			PMZ		$m_b=4.6$		1.0	0.027	
			pP	12 23	12.0	−4.6			
			LN		$M_S=4.7$		16.0	1.45	
			LE				17.0	1.44	
CN2	24.1	262	eP	12 23	35.5	−1.4			
			esP	12 23	52.0	2.0			
			LN		$M_S=4.3$		14.0	0.40	
			LE				14.0	0.40	
			LZ		$M_S=4.8$		18.0	3.00	
SNY	26.3	260	eP	12 23	58.0	−0.3			
			LN		$M_S=4.8$		18.0	1.56	
			LE				18.0	1.24	
			LZ		$M_S=4.5$		19.0	1.32	
DL2	29.3	257	eP	12 24	24.0	−1.2			
			LZ		$M_S=4.4$		20.0	0.87	
BJI	31.9	264	eP	12 24	50.0	1.9			
			LE		$M_S=4.6$		16.0	0.73	
TIA	33.8	258	eP	12 25	04.7	0.2			
SSE	35.1	247	P	12 25	17.0	1.5			
			sP	12 25	34.0	5.2			
			eS	12 30	52.0	6.9			
			LN		$M_S=4.4$		14.0	0.36	
			LZ		$M_S=4.2$		20.0	0.46	
TIY	35.6	264	eP	12 25	19.6	−0.7			
			LN		$M_S=4.8$		17.0	0.99	
			LZ		$M_S=4.7$		18.0	1.22	
LZH	41.9	270	eP	12 26	12.0	−0.9			
			PMZ		$m_b=4.9$		1.5	0.028	
GTA	42.2	276	P	12 26	15.2	−0.4			
			PMZ		$m_b=4.7$		0.8	0.010	
			LE		$M_S=4.8$		15.0	0.66	
			LZ		$M_S=4.5$		20.0	0.59	
CD2	45.5	264	eP	12 26	45.6	3.9			
WMQ	46.7	289	P	12 26	51.8	0.2			
			PMZ		$m_b=4.7$		1.0	0.010	
			eS	12 33	36.0	−2.8			
			LZ		$M_S=5.0$		14.0	1.26	

AUG 11d 14h 43m 54.2 ± 0.04s, SD1.37 / 225
3.08 S ± 0.72km, 130.36 E ± 1.03km, h33 ± 0.11km
Seram (272)
M_S5.3 / 57, m_B5.8 / 22, m_b5.5 / 83

QZN	29.8	318	eP	14 50	01.0	0.2			
			PMZ		$m_b=5.1$		0.8	0.030	
			S	14 54	55.0	1.4			
			LN		$M_S=5.4$		13.0	3.59	
			LE				13.0	3.27	
QZH	30.1	338	eP	14 50	02.3	−0.9			
			PMZ		$m_b=5.3$		0.7	0.035	
			LN		$M_S=5.1$		12.0	2.06	
			LZ		$M_S=5.0$		28.0	5.02	
GZH	30.9	328	P	14 50	09.8	−0.1			
			PMZ		$m_b=5.0$		1.0	0.030	
			LN		$M_S=5.3$		12.0	2.02	
			LE				12.0	1.93	

			LZ		$M_S = 5.0$		33.0	5.88
SSE	35.1	346	−P	14 50 44.0		−2.7		
			PMZ		$m_b = 5.0$		1.0	0.025
			PMZ		$m_B = 5.9$		6.0	1.27
			pP	14 50 58.0		2.0		
			iScS	15 01 06.0		4.2		
			LN		$M_S = 5.1$		12.0	0.54
			LE				12.0	1.64
			LZ		$M_S = 5.1$		20.0	3.21
NJ2	36.6	344	+P	14 51 00.2		0.7		
			S	14 56 40.0		1.0		
			ScS	15 01 16.0		5.9		
			LN		$M_S = 5.2$		13.0	0.89
			LE				13.0	1.68
			LZ		$M_S = 4.9$		22.0	2.07
WHN	36.8	337	+iP	14 51 01.5		0.7		
			PMZ		$m_b = 5.7$		1.2	0.16
			PMZ		$m_B = 5.8$		4.0	0.65
			pP	14 51 14.0		3.9		
			S	14 56 44.0		2.6		
			LN		$M_S = 5.4$		16.0	2.91
			LE				18.0	2.41
			LZ		$M_S = 4.8$		24.0	1.89
GYA	37.2	323	+iP	14 51 04.6		−0.4		
			PMZ		$m_b = 5.5$		1.2	0.10
			PMZ				3.0	0.90
			sP	14 51 20.0		1.8		
			PcP	14 53 25.0		1.0		
			S	14 56 50.0		1.2		
			sS	14 57 06.0		0.9		
			SS	14 59 20.0		−0.8		
			ScS	15 01 18.0		4.3		
			LN		$M_S = 5.2$		14.0	1.20
			LE				14.0	1.70
			LZ		$M_S = 4.8$		18.0	1.30
KMI	38.8	318	+P	14 51 20.0		1.9		
			PMZ		$m_b = 6.0$		1.5	0.40
			pP	14 51 30.0		2.8		
			S	14 57 16.0		3.7		
			LN		$M_S = 5.0$		10.0	0.40
			LE				10.0	0.80
			LZ		$M_S = 5.1$		20.0	2.90
TIA	41.0	344	eP	14 51 36.0		−0.2		
			LE		$M_S = 5.2$		15.0	1.68
			LZ		$M_S = 4.9$		25.0	2.02
XAN	42.1	333	P	14 51 43.7		−1.5		
			PMZ		$m_b = 5.4$		1.0	0.060
			PMZ		$m_B = 5.7$		6.0	0.71
			S	14 58 00.0		−1.4		
CD2	42.3	325	eP	14 51 46.6		0.1		
			PMZ		$m_b = 5.2$		1.0	0.040
			S	14 58 01.5		−2.4		
			LE		$M_S = 5.5$		15.0	3.30
			LZ		$M_S = 5.0$		28.0	3.00
DL2	42.5	350	eP	14 51 49.0		0.1		
			PMZ		$m_b = 5.5$		1.0	0.070
			S	14 58 08.0		−0.1		
			SME				14.0	1.80
			LN		$M_S = 5.5$		20.0	3.69
			LE				14.0	1.80
			LZ		$M_S = 5.0$		20.0	2.16
TIY	43.9	339	eP	14 52 00.0		0.3		
			PMZ		$m_b = 5.6$		0.8	0.076
			S	14 58 27.0		−0.3		
			LN		$M_S = 5.2$		13.0	1.25
			LZ		$M_S = 5.1$		26.0	2.99
BJI	44.8	345	eP	14 52 06.5		−0.9		
			PMZ		$m_b = 5.4$		1.4	0.088
			PMZ		$m_B = 5.7$		8.0	1.08
			eS	14 58 38.0		−4.4		
			eScS	15 02 05.0		6.0		
			LN		$M_S = 5.3$		12.0	1.40
SNY	45.1	353	+P	14 52 08.6		−1.0		
			PMZ		$m_b = 5.6$		0.8	0.074
			S	14 58 42.0		−3.4		
			SS	15 02 06.0		6.0		
			LN		$M_S = 5.7$		19.0	5.56
			LE				15.0	1.79
			LZ		$M_S = 5.6$		20.0	7.55
LZH	46.2	330	+P	14 52 18.5		0.3		
			PMZ		$m_b = 5.9$		2.0	0.31
			PMZ		$m_B = 5.7$		8.0	0.89
			sP	14 52 30.5		−0.9		
			S	14 58 59.0		−1.5		
			sS	14 59 13.0		−4.1		
			SS	15 02 13.6		−5.0		
			LE		$M_S = 5.4$		13.0	1.93
			LZ		$M_S = 5.1$		28.0	3.37
CN2	46.9	355	eP	14 52 23.0		−0.6		
			PMZ		$m_b = 5.3$		1.0	0.040
			PMZ		$m_B = 5.8$		4.0	0.60
			sP	14 52 38.0		1.1		
			PcP	14 53 56.0		0.2		
			eS	14 59 06.0		−5.5		
			eScS	15 02 09.0		−3.1		
			LN		$M_S = 5.4$		20.0	2.30
			LE				20.0	2.50
			LZ		$M_S = 5.8$		20.0	9.80
HHC	47.0	340	+P	14 52 24.0		−0.4		
			PMZ		$m_b = 5.3$		1.2	0.055
			pP	14 52 37.0		3.3		
			S	14 59 15.0		3.2		
			LN		$M_S = 5.3$		13.0	0.86
			LE				14.0	1.24
			LZ		$M_S = 5.3$		28.0	5.20
BTO	47.3	339	eP	14 52 26.1		−0.8		
			sP	14 52 37.0		−3.1		
			ePP	14 54 20.0		3.1		
			iS	14 59 16.0		−1.6		
			LN		$M_S = 5.4$		14.0	0.80
			LE				15.0	2.00
			LZ		$M_S = 4.8$		15.0	0.80
MDJ	47.5	359	+P	14 52 27.5		−0.9		
			PMZ		$m_b = 5.3$		0.8	0.032
			sP	14 52 44.0		2.3		
			sS	14 59 34.0		−1.8		
			ScS	15 02 20.0		3.9		
			LN		$M_S = 5.4$		18.0	2.02
			LE				14.0	1.31
LSA	49.7	314	−P	14 52 45.5		−0.4		
			PMZ		$m_b = 5.2$		0.9	0.030
			PMZ		$m_B = 5.8$		4.0	0.50
			S	14 59 53.5		3.5		
GTA	50.8	329	−P	14 52 53.4		−0.4		
			PMZ		$m_b = 5.5$		1.0	0.060
			PMZ				3.2	0.42
			pP	14 52 59.0		−4.0		
			sP	14 53 03.0		−3.9		
			PcP	14 54 11.6		1.7		
			ScP	14 58 06.6		4.7		
			S	15 00 06.0		1.1		
			sS	15 00 20.0		−1.7		
			ScS	15 02 43.6		5.7		
			LN		$M_S = 5.4$		12.0	1.53
			LZ		$M_S = 5.2$		26.0	2.91
WMQ	60.3	326	P	14 54 02.0		−0.9		

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			PMZ		$m_b = 5.4$		1.5	0.070
			PMZ		$m_B = 6.3$		4.0	1.47
			sP	14 54 19.0		2.7		
			S	15 02 16.0		3.4		
			ScS	15 03 50.0		3.7		
			LZ		$M_S = 5.3$		24.0	2.49
KSH	65.5	316	P	14 54 37.5		0.7		
			LN		$M_S = 6.1$		10.0	1.70
			LE				7.0	2.40

AUG 12d 09h 33m 53.3 ± 0.05s, SD2.49 / 11
26.98 N ± 0.52km, 103.10 E ± 0.42km, h6 ± 0.18km
Sichuan Province (307)
M_L3.0 / 5,

CD2	4.0	8	Pn	09 34 55.7		0.8		
			Pg	09 35 06.9		3.8		
			Sg	09 35 58.0		0.7		
			SMN		$M_L = 3.3$		0.8	0.060
			SME				0.6	0.060

AUG 12d 13h 02m 30.0 ± 0.04s, SD1.08 / 261
14.09 S ± 0.89km, 14.27 W ± 1.02km, h9 ± 0.03km
South Atlantic Ridge (410)
M_S5.8 / 12, m_b5.3 / 60,

GTA	117.4	53	ePKP	13 21 18.4		1.2		
			PPMZ				1.2	0.010
			LE		$M_S = 5.7$		16.0	0.78
			LZ		$M_S = 5.4$		22.0	0.91
CD2	121.0	62	PKP	13 21 24.4		0.2		
			LZ		$M_S = 5.2$		28.0	0.80
BTO	125.0	50	ePKP	13 21 33.0		1.1		
			ePP	13 23 20.0		−3.1		
			LN		$M_S = 5.7$		17.0	0.60
			LE				17.0	0.60
			LZ		$M_S = 5.6$		17.0	1.20
XAN	125.2	58	PKP	13 21 33.5		1.3		
TIY	127.4	53	ePKP	13 21 38.3		1.8		
			PP	13 23 41.0		2.0		
			PP	13 23 42.0		3.0		
			LN		$M_S = 5.7$		15.0	0.61
			LZ		$M_S = 5.8$		18.0	1.95
BJI	129.7	49	ePKP	13 21 42.5		1.7		
			ePP	13 23 51.5		−2.8		
			eSS	13 41 16.0		1.5		
			LN		$M_S = 5.8$		18.0	0.98
TIA	131.4	54	ePKP	13 21 46.4		2.3		
			PP	13 24 08.0		2.2		
			LZ		$M_S = 5.3$		34.0	1.01
SNY	134.3	44	+PKP	13 21 52.0		2.4		
			PPMZ				14.0	0.47
			LN		$M_S = 6.3$		20.0	2.34
			LE				20.0	1.86
			LZ		$M_S = 5.9$		21.0	2.59
CN2	134.7	41	PKP	13 21 52.5		2.2		
			ePP	13 24 22.0		−4.3		
			eSKKS	13 31 12.0		−4.1		
			LN		$M_S = 6.0$		20.0	1.30
			LE				20.0	0.80
			LZ		$M_S = 6.3$		20.0	5.30
SSE	135.9	60	ePKP	13 21 53.0		0.6		
			PP	13 24 32.0		−1.5		
			SS	13 42 24.0		−5.5		
			LE		$M_S = 5.8$		20.0	0.98
			LZ		$M_S = 5.7$		20.0	1.38
MDJ	136.8	38	ePKP	13 21 53.0		−1.2		

AUG 13d 02h 11m 15.5 ± 0.04s, SD0.93 / 264
52.83 N ± 0.90km, 34.95 W ± 0.41km, h10 ± 0.07km

North Atlantic Ocean (402)
M_S5.5 / 15, m_B5.8 / 5, m_b5.1 / 54

KSH	70.3	50	P	02 22 33.0		0.7		
			LN		$M_S = 5.8$		14.0	1.00
			LE				14.0	2.50
WMQ	71.9	40	P	02 22 40.0		−1.4		
			PMZ		$m_b = 5.2$		1.8	0.050
			PMZ		$m_B = 6.2$		4.0	1.17
			PP	02 25 22.0		0.4		
			eS	02 32 04.0		2.6		
			SS	02 36 40.0		2.4		
			LE		$M_S = 5.4$		14.0	1.02
			LZ		$M_S = 5.3$		24.0	2.10
GTA	80.1	34	−P	02 23 27.6		−0.7		
			PMZ		$m_b = 4.8$		1.0	0.010
			PMZ		$m_B = 5.8$		4.0	0.42
			pP	02 23 35.8		2.2		
			PP	02 26 31.5		0.7		
			S	02 33 34.0		3.7		
			LE		$M_S = 5.5$		13.0	0.80
			LZ		$M_S = 5.4$		18.0	1.46
MDJ	82.0	11	eP	02 23 37.0		−1.2		
			PMZ		$m_b = 5.4$		1.0	0.038
BTO	82.1	26	eP	02 23 39.0		0.2		
			esP	02 23 51.0		4.2		
			eS	02 33 56.5		3.5		
			LN		$M_S = 5.3$		14.0	0.40
			LE				14.0	0.40
CN2	82.3	14	−P	02 23 39.0		−0.5		
			PMZ		$m_b = 5.1$		1.0	0.020
			PMZ		$m_B = 6.0$		4.0	0.60
			eS	02 33 57.0		2.7		
			LZ		$M_S = 5.3$		18.0	1.20
HHC	82.3	25	+P	02 23 40.5		0.8		
			SKS	02 33 58.0		3.1		
			LN		$M_S = 5.4$		18.0	0.63
			LE				15.0	0.64
			LZ		$M_S = 5.2$		25.0	1.38
SNY	83.9	16	−P	02 23 47.0		−0.8		
			PMZ		$m_b = 5.2$		1.0	0.025
			S	02 34 12.0		3.0		
			LZ		$M_S = 5.1$		16.0	0.70
BJI	84.2	22	eP	02 23 49.0		−0.2		
			PMZ		$m_b = 5.6$		2.0	0.12
			PMZ				3.0	0.45
			ePP	02 27 02.5		−1.7		
			eS	02 34 19.0		5.6		
			eSS	02 39 46.0		2.6		
			LN		$M_S = 5.4$		16.0	0.70
			LZ		$M_S = 5.1$		24.0	0.96
LZH	84.5	32	eP	02 23 50.7		−0.2		
			PMZ		$m_b = 5.5$		2.0	0.085
			pP	02 23 59.0		2.9		
			PP	02 27 08.0		1.5		
			eS	02 34 18.0		1.3		
			LE		$M_S = 5.3$		16.0	0.67
			LZ		$M_S = 5.3$		22.0	1.27
TIY	85.5	25	−P	02 23 55.8		0.0		
			PP	02 27 14.0		−0.6		
			S	02 34 30.0		5.5		
			LN		$M_S = 5.6$		16.0	0.95
			LE				15.0	0.65
			LZ		$M_S = 5.2$		22.0	1.04
XAN	87.9	29	P	02 24 07.0		−0.8		
TIA	88.1	22	eP	02 24 08.2		−0.1		
CD2	89.2	35	P	02 24 14.0		0.3		
			LZ		$M_S = 5.4$		20.0	1.48
NJ2	92.4	22	eP	02 24 28.0		−0.7		

			LZ		$M_S=4.8$		18.0	0.29
SSE	93.9	20	P	02	24 34.0	−1.3		
			SKS	02	35 14.0	6.7		
			LN		$M_S=5.8$		20.0	1.89
			LE				20.0	0.98
			LZ		$M_S=5.5$		20.0	1.56

AUG 13d 08h 58m 46.3 ± 0.03s, SD3.40 / 5
38.51 N ± 0.19km, 99.73 E ± 0.17km, h15 ± 0.21km
Qinghai Province (325)
M_L3.3 / 3,

LZH	4.1	125	Pg	08	59 59.5	1.0		
			Sg	09	00 55.0	1.0		
			SMN				2.0	0.13
			SME				2.0	0.065

AUG 13d 20h 14m 13.1 ± 0.04s, SD1.28 / 122
3.00 S ± 0.62km, 130.44 E ± 0.87km, h25 ± 0.02km
Seram (272)
M_S4.7 / 10, m_b5.1 / 37,

QZN	29.8	318	eP	20	20 21.8	0.9		
			eS	20	25 18.0	2.8		
			LN		$M_S=4.7$		13.0	0.74
			LE				13.0	0.49
NJ2	36.6	343	+P	20	21 19.0	−0.2		
			S	20	26 55.0	−4.0		
			LZ		$M_S=4.1$		20.0	0.30
WHN	36.7	336	+P	20	21 22.0	1.4		
			PMZ		$m_b=5.3$		1.5	0.080
GYA	37.2	323	P	20	21 25.0	0.0		
			pP	20	21 29.6	−3.1		
			S	20	27 13.0	3.7		
			LN		$M_S=4.7$		16.0	0.60
			LE				16.0	0.40
KMI	38.8	318	−P	20	21 39.0	0.8		
			PMZ		$m_b=5.5$		1.5	0.12
XAN	42.1	333	P	20	22 03.5	−1.5		
			S	20	28 21.8	0.1		
CD2	42.2	325	P	20	22 06.4	−0.1		
TIY	43.8	339	−P	20	22 18.5	−0.9		
			S	20	28 49.0	1.5		
			ScS	20	32 15.0	1.4		
			LN		$M_S=4.6$		15.0	0.40
			LZ		$M_S=4.5$		28.0	0.75
BJI	44.8	344	eP	20	22 26.5	−0.6		
			PMZ		$m_b=5.0$		1.1	0.025
			eS	20	29 00.0	−2.5		
			LZ		$M_S=4.4$		16.0	0.35
SNY	45.1	353	−iP	20	22 29.0	−0.2		
			PMZ		$m_b=5.2$		1.0	0.037
			S	20	29 02.0	−3.3		
			LZ		$M_S=4.8$		22.0	1.13
LZH	46.1	330	P	20	22 38.0	−0.1		
			PMZ		$m_b=5.4$		1.8	0.091
			sP	20	22 53.0	3.7		
			PP	20	24 23.0	−2.8		
			eS	20	29 18.0	−4.3		
			LE		$M_S=4.6$		12.0	0.31
			LZ		$M_S=4.4$		20.0	0.44
CN2	46.8	355	+P	20	22 42.6	−0.5		
			PMZ		$m_b=5.0$		1.0	0.020
			epP	20	22 53.0	2.0		
			eS	20	29 31.0	−0.3		
			eScS	20	32 29.0	−3.7		
			LZ		$M_S=4.9$		20.0	1.30
HHC	46.9	340	eP	20	22 44.2	0.0		
			PMZ		$m_b=5.0$		1.2	0.027
			pP	20	22 50.0	−2.0		
			PP	20	24 33.0	−0.5		
			S	20	29 34.5	2.5		
			sS	20	29 42.5	−3.7		
			LN		$M_S=5.0$		26.0	1.57
			LZ		$M_S=4.5$		30.0	0.78
BTO	47.2	339	eP	20	22 45.8	−0.9		
			epP	20	22 52.0	−2.5		
			eS	20	29 36.0	−1.8		
			LN		$M_S=4.7$		12.0	0.20
			LE				13.0	0.30
MDJ	47.4	359	+P	20	22 48.0	0.1		
			PMZ		$m_b=5.2$		1.0	0.038
			pP	20	22 55.5	−0.3		
GTA	50.7	329	−P	20	23 13.4	−0.3		
			PMZ		$m_b=5.0$		1.4	0.030
			pP	20	23 19.0	−2.5		
			sP	20	23 23.2	−1.7		
			S	20	30 24.0	−1.4		
			ScS	20	33 02.0	3.2		
			LZ		$M_S=4.5$		22.0	0.50
WMQ	60.3	326	P	20	24 22.4	−0.5		
			PMZ		$m_b=4.8$		1.5	0.020
			S	20	32 36.0	2.8		
			LZ		$M_S=4.6$		20.0	0.46

AUG 13d 22h 31m 44.7 ± 0.03s, SD0.90 / 110
18.92 N ± 0.57km, 145.27 E ± 0.61km, h606 ± 0.21km
Marianas (216)
m_b5.1 / 40,

MDJ	28.8	336	eP	22	36 57.0	−0.5		
SNY	29.4	326	−P	22	37 01.8	−0.7		
			PMZ		$m_b=4.7$		0.8	0.017
CN2	29.9	330	−P	22	37 07.0	0.2		
			PMZ		$m_b=4.7$		1.0	0.020
BJI	32.7	316	eP	22	37 30.5	−0.1		
			PMZ		$m_b=4.8$		1.0	0.028
TIY	34.2	310	+iP	22	37 44.1	0.8		
			PMZ		$m_b=5.3$		0.5	0.043
XAN	35.6	302	P	22	37 55.2	0.1		
BTO	37.1	313	P	22	38 07.8	0.6		
CD2	39.3	296	P	22	38 25.0	0.1		
			PMZ		$m_b=5.1$		0.6	0.030
LZH	40.2	304	P	22	38 33.2	1.0		
			PMZ		$m_b=5.2$		1.5	0.11
GTA	44.1	307	−iP	22	39 03.0	0.0		
			PMZ		$m_b=4.6$		0.6	0.010
			PcP	22	40 34.4	0.2		
WMQ	53.9	311	P	22	40 15.0	0.1		

AUG 14d 09h 27m 46.3 ± 0.02s, SD2.67 / 5
47.80 N ± 0.18km, 130.80 E ± 0.16km, h10 ± 0.27km
E. Russia−N.E. China border region (657)
M_L3.2 / 5,

MDJ	3.3	195	Pg	09	28 43.5	−1.2		
			Sg	09	29 25.0	−4.7		
			SMN		$M_L=3.1$		0.5	0.069
			SME				0.7	0.052

AUG 14d 12h 53m 26.6 ± 0.02s, SD0.96 / 578
54.46 N ± 0.73km, 169.32 W ± 0.49km, h290 ± 0.29km
Fox Islands (9)
m_B5.5 / 10, m_b5.5 / 157,

MDJ	39.7	282	−iP	13	00 31.4	−1.4		
			PMZ		$m_b=5.3$		0.7	0.097
			LN				8.0	0.67
			LE				8.0	1.05
CN2	42.5	283	−iP	13	00 56.0	0.0		
			PMZ		$m_b=5.7$		0.8	0.30

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			PMZ			3.0	0.90	
			pP	13 01 56.0	1.0			
			S	13 06 54.0	−1.6			
			ScS	13 10 22.0	−0.6			
SNY	44.8	282	−iP	13 01 15.0	0.6			
			PMZ	m_b = 5.4		1.0	0.21	
			pP	13 02 16.0	2.1			
			S	13 07 25.5	−3.3			
			LN			15.0	3.77	
			LE			19.0	3.19	
			LZ			20.0	2.13	
DL2	47.9	281	eP	13 01 37.5	−0.7			
			PMZ	m_b = 5.7		1.0	0.40	
			pP	13 02 41.5	3.0			
			LZ			18.0	1.76	
BJI	50.2	286	−P	13 01 55.5	−0.3			
			PMZ	m_b = 5.1		1.0	0.087	
			PMZ	m_B = 5.3		5.0	0.70	
			pP	13 02 58.0	1.2			
			eScP	13 06 36.0	−0.1			
			eScS	13 11 13.0	0.3			
HHC	52.2	290	−P	13 02 11.3	0.5			
			PMZ	m_b = 5.4		1.0	0.15	
			pP	13 03 17.0	4.7			
			PcP	13 03 23.0	5.3			
			S	13 09 13.0	1.8			
			sS	13 10 55.0	−5.0			
			LN			13.0	1.59	
			LE			13.0	1.74	
TIA	52.3	281	−P	13 02 11.0	−0.4			
			PMZ	m_b = 5.3		1.1	0.15	
			S	13 09 10.0	−2.6			
			LE			15.0	1.53	
SSE	53.7	274	+iP	13 02 21.0	0.0			
			PMZ	m_b = 5.5		1.1	0.23	
			PMZ	m_b = 6.0		1.5	0.87	
			PcP	13 03 20.0	−3.1			
			pP	13 03 26.0	2.9			
			ScP	13 06 52.0	1.1			
			iS	13 09 34.0	2.5			
			LN			16.0	1.49	
			LE			16.0	1.03	
			LZ			20.0	1.38	
TIY	53.9	286	−iP	13 02 23.5	0.4			
			PMZ	m_b = 5.2		0.8	0.089	
			pP	13 03 25.0	−0.2			
			S	13 09 37.0	3.0			
			LN			12.0	1.55	
			LZ			19.0	2.10	
NJ2	54.3	277	−P	13 02 24.5	−1.3			
			PMZ	m_b = 5.4		0.8	0.13	
			PMZ	m_B = 5.4		6.0	0.94	
			pP	13 03 31.0	3.0			
			ScP	13 06 55.0	1.2			
			S	13 09 38.0	−1.1			
			ScS	13 11 37.0	−4.3			
WHN	58.0	279	−iP	13 02 51.2	−0.8			
			PMZ	m_b = 5.5		0.8	0.12	
			PMZ	m_B = 5.4		4.0	0.59	
			pP	13 04 00.5	5.2			
			S	13 10 30.0	2.1			
XAN	58.5	286	−iP	13 02 55.0	−0.7			
			PMZ	m_b = 5.4		1.0	0.13	
			pP	13 04 00.0	1.0			
			S	13 10 37.0	2.4			
			LN			14.0	1.77	
			LE			13.0	1.17	
GTA	59.6	296	−iP	13 03 02.2	−0.6			
			PMZ		m_b = 5.6		0.8	0.17
			PMZ				3.1	0.5
			PcP	13 03 47.4	1.2			
			pP	13 04 08.0	1.8			
			ScP	13 07 18.0	1.0			
			S	13 10 49.0	1.2			
			ScS	13 12 21.2	1.7			
			LE				14.5	2.52
			LZ				20.0	1.77
QZH	59.8	271	P	13 03 03.5	−0.5			
			PMZ	m_b = 5.3			1.0	0.11
			pP	13 04 08.0	0.3			
			S	13 10 51.0	0.7			
LZH	59.9	291	−iP	13 03 05.0	0.2			
			PMZ	m_b = 5.9			1.5	0.60
			PMZ	m_B = 5.2			6.0	0.50
			pP	13 04 05.0	−3.3			
			S	13 10 53.0	1.6			
			LN				13.0	2.64
			LE				13.0	1.76
			LZ				17.0	1.91
WMQ	62.3	307	P	13 03 21.0	0.2			
			PMZ	m_b = 5.7			1.0	0.20
			PMZ	m_B = 5.8			4.0	1.17
			PcP	13 03 59.0	1.9			
			pP	13 04 22.0	−3.0			
			S	13 11 26.0	4.2			
			ScS	13 12 43.0	3.2			
			LZ				20.0	1.93
CD2	63.8	287	−iP	13 03 31.0	0.5			
			PMZ	m_b = 6.1			0.8	0.41
			ipP	13 04 38.5	3.4			
			S	13 11 42.5	2.2			
GZH	64.3	274	P	13 03 33.7	0.2			
GYA	65.5	282	P	13 03 40.4	−1.3			
			PMZ	m_b = 5.5			1.0	0.12
			PMZ				3.0	1.10
			pP	13 04 49.4	2.7			
			S	13 12 02.4	0.8			
			LN				18.0	2.30
			LE				18.0	2.50
KMI	68.8	284	−P	13 04 02.5	0.4			
			PMZ	m_b = 5.8			1.5	0.33
			pP	13 05 07.0	−0.3			
			iS	13 12 43.0	1.0			
QZN	69.4	274	P	13 04 05.6	−0.4			
			PMZ	m_b = 5.2			0.9	0.050
			pP	13 05 12.0	0.4			
			S	13 12 51.0	2.8			
			sS	13 14 41.0	−1.9			
KSH	71.0	312	P	13 04 16.5	0.9			
			S	13 13 10.0	3.8			
			LN				12.0	2.00
			LE				12.0	2.90
LSA	71.6	295	−P	13 04 21.0	1.7			
			PMZ	m_b = 5.5			0.9	0.080
			pP	13 05 29.0	4.3			
			iS	13 13 16.0	1.2			

AUG 14d 17h 43m 07.3 ± 0.04s, SD1.30 / 174
3.17 N ± 0.67km, 128.00 E ± 1.09km, h123 ± 0.10km
Molucca Passage (266)
m_B5.7 / 2, m_b5.3 / 53,

QZH	23.5	338	P	17 48 08.5	1.7			
			S	17 52 08.0	0.6			
QZN	23.7	313	P	17 48 10.7	1.3			
			PMZ	m_b = 4.5			0.7	0.016
			eS	17 52 17.0	4.2			

GZH	24.4	326	P	17 48 17.2	1.9			
NJ2	30.0	344	−P	17 49 10.5	3.7			
WHN	30.1	336	+eP	17 49 08.5	0.5			
			pP	17 49 38.0	3.6			
			sP	17 49 52.5	3.3			
GYA	30.9	321	P	17 49 17.2	2.3			
KMI	32.7	314	+P	17 49 32.5	1.9			
TIA	34.4	344	eP	17 49 45.3	0.4			
XAN	35.5	332	−iP	17 49 54.2	−0.2			
CD2	35.8	323	P	17 49 57.6	0.2			
TIY	37.2	339	eP	17 50 08.8	−0.2			
			S	17 55 46.0	0.5			
			LN			10.0	0.27	
			LZ			20.0	0.50	
BJI	38.2	345	eP	17 50 17.0	−0.3			
			PMZ	m_b=4.7		1.0	0.013	
SNY	38.7	355	+P	17 50 20.8	−0.3			
LZH	39.6	329	−iP	17 50 30.0	0.9			
			PMZ	m_b=5.5		1.0	0.093	
			pP	17 50 57.0	0.7			
			PcP	17 52 34.0	0.5			
			S	17 56 20.0	−1.9			
			SME			6.0	0.67	
			sS	17 57 10.0	−0.6			
			LZ			20.0	0.44	
HHC	40.3	341	eP	17 50 35.5	0.7			
			PMZ	m_b=4.6		1.0	0.011	
CN2	40.5	357	eP	17 50 39.0	2.8			
BTO	40.6	339	eP	17 50 36.3	−1.0			
MDJ	41.3	2	eP	17 50 41.5	−1.1			
			PMZ	m_b=4.8		1.0	0.017	
			pP	17 51 13.0	3.0			
LSA	43.8	311	−P	17 51 05.0	1.9			
			PMZ	m_b=4.9		0.9	0.020	
			PMZ	m_B=6.4		6.0	3.80	
			S	17 57 23.5	1.0			
GTA	44.2	328	−iP	17 51 07.0	0.4			
			pP	17 51 36.2	2.1			
			sP	17 51 49.0	0.5			
WMQ	53.9	325	P	17 52 19.0	−1.8			
			PMZ	m_b=5.7		1.0	0.10	
			pP	17 52 49.0	−0.2			
			PP	17 54 19.5	−5.2			
			S	17 59 44.0	0.1			
			sS	18 00 31.5	−3.4			
			ScS	18 01 48.0	−5.3			
			LZ			20.0	0.39	

AUG 14d 19h 15m 03.5 ± 0.05s, SD1.39 / 420
13.54 S ± 1.06km, 167.62 E ± 0.99km, h13 ± 0.17km
Vanuatu (New Hebrides) (186)
M_S6.4 / 55, m_B6.7 / 55, m_b6.0 / 106

QZH	61.2	309	+iP	19 25 20.0	−1.1			
			PMZ	m_b=6.0		1.7	0.37	
			PMZ	m_B=6.8		7.0	8.34	
			S	19 33 36.0	−2.1			
			LE	M_S=6.0		14.0	5.49	
			LZ	M_S=6.3		20.0	23.0	
SSE	62.9	316	−P	19 25 31.5	−0.9			
			PMZ	m_b=6.2		2.0	0.61	
			PMZ	m_B=6.6		8.0	6.87	
			sP	19 25 47.0	5.6			
			PP	19 27 49.0	−2.5			
			iS	19 34 00.0	−0.5			
			ScS	19 35 20.0	−0.1			
			LN	M_S=6.4		16.0	8.96	
			LE			16.0	12.3	
			LZ	M_S=6.5		18.0	27.7	

GZH	64.4	304	eP	19 25 43.2	1.1			
			PMZ	m_b=6.1		1.6	0.38	
			PMZ	m_B=6.4		8.0	4.31	
			LN	M_S=6.2		15.0	6.16	
			LE			20.0	5.85	
			LZ	M_S=6.2		20.0	15.5	
NJ2	65.1	315	+P	19 25 46.0	−0.6			
			PMZ	m_b=5.5		1.8	0.11	
			PMZ	m_B=6.7		8.0	8.43	
			pP	19 25 56.4	3.6			
			PP	19 28 16.0	5.1			
			LN	M_S=6.5		17.0	12.9	
			LE			15.0	9.38	
			LZ	M_S=6.0		22.0	9.92	
QZN	65.5	298	+iP	19 25 49.0	−0.1			
			PMZ	m_B=6.4		6.0	2.64	
			PMZ	m_b=5.8		1.3	0.14	
			S	19 34 37.0	6.0			
			LN	M_S=6.2		16.0	5.58	
			LE			16.0	6.21	
MDJ	67.4	332	+iP	19 26 01.0	−0.4			
			PMZ	m_b=6.3		1.8	0.72	
			PMZ	m_B=7.0		7.0	14.4	
			iS	19 35 00.0	4.2			
			LN	M_S=6.5		15.0	11.4	
			LE			15.0	8.76	
WHN	67.4	312	+eP	19 26 00.5	−1.0			
			PMZ	m_b=6.2		2.0	0.64	
			PMZ	m_B=6.6		8.0	6.33	
			iS	19 34 56.0	0.2			
			LN	M_S=6.6		18.0	20.3	
			LE			16.0	7.76	
			LZ	M_S=6.2		20.0	14.4	
DL2	67.6	323	P	19 26 01.0	−1.4			
			PMZ	m_b=6.4		1.5	0.70	
			PMZ	m_B=6.5		9.0	5.10	
			S	19 35 00.0	3.6			
			LZ	M_S=5.9		30.0	12.5	
SNY	68.4	326	+P	19 26 06.0	−1.8			
			PMZ	m_b=5.5		1.0	0.062	
			PMZ	m_B=6.6		7.0	5.07	
			S	19 35 12.0	5.5			
			LN	M_S=6.5		14.0	5.12	
			LE			17.0	12.6	
			LZ	M_S=6.3		21.0	17.5	
TIA	68.7	318	−P	19 26 08.1	−1.4			
			PMZ	m_B=6.6		8.0	5.94	
			LN	M_S=6.4		16.0	8.56	
			LE			16.0	7.93	
			LZ	M_S=6.3		24.0	21.1	
CN2	68.8	329	+iP	19 26 10.0	−0.3			
			PMZ	m_b=6.0		1.2	0.20	
			PMZ	m_B=6.9		7.0	9.70	
GYA	71.3	304	+iP	19 26 25.0	−0.8			
			PMZ	m_b=6.1		1.8	0.42	
			PMZ	m_B=6.7		7.0	6.90	
			S	19 35 45.0	4.2			
			LN	M_S=6.3		18.0	8.30	
			LE			18.0	6.40	
			LZ	M_S=5.8		24.0	5.90	
BJI	71.6	321	+eP	19 26 26.0	−1.0			
			PMZ	m_b=6.2		1.8	0.51	
			PMZ	m_B=6.8		8.0	8.60	
			eSKS	19 36 28.0	3.5			
			LN	M_S=6.3		14.0	7.05	
			LZ	M_S=6.6		21.0	33.2	
TIY	72.6	317	+P	19 26 33.6	0.1			
			PMZ	m_b=6.2		1.4	0.44	

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			PMZ		$m_B=6.8$		7.5	7.69			SMN		$M_L=3.7$		1.0 0.21
			S	19 36 02.5		6.8					SME				1.0 0.10
			LN		$M_S=6.5$		17.5	15.3	SSE	7.4 350	P	00 36 06.0		−2.1	
			LZ		$M_S=6.3$		19.0	17.5			pP	00 36 12.0		−2.6	
XAN	73.1	312	P	19 26 36.1		−0.4					sP	00 36 18.0		−1.1	
			PMZ		$m_b=6.1$		2.0	0.49			SMN		$M_L=3.8$		1.0 0.027
			PMZ		$m_B=6.9$		7.0	8.80			SME				1.0 0.040
			S	19 36 05.5		3.9					LN		$M_S=3.8$		12.0 0.80
			LN		$M_S=6.6$		20.0	16.1			LZ		$M_S=3.8$		20.0 1.19
			LE				19.0	12.7	NJ2	8.9 338	eP	00 36 30.2		1.2	
KMI	74.0	301	+P	19 26 42.0		0.4					S	00 38 05.4		−4.0	
			PMZ		$m_b=5.5$		2.5	0.13			SMN		$M_L=4.4$		1.0 0.085
			PMZ		$m_B=6.7$		7.0	6.80			SME				1.0 0.059
			S	19 36 17.0		6.1					LZ		$M_S=3.7$		14.0 0.65
			LN		$M_S=6.3$		16.0	2.00	GYA	14.8 284	P	00 37 48.0		−0.1	
			LE				18.0	8.10	XAN	15.8 313	P	00 38 06.0		4.6	
			LZ		$M_S=6.3$		20.0	16.9	TIY	16.4 330	eP	00 38 13.9		4.3	
HHC	74.9	319	+P	19 26 47.0		0.2					LN		$M_S=4.1$		12.0 0.47
			PMZ		$m_b=5.7$		1.4	0.11			LZ		$M_S=4.4$		13.0 1.32
			PMZ		$m_B=6.8$		8.0	8.00	CD2	18.3 297	P	00 38 32.0		−0.3	
			S	19 36 27.0		5.7			HHC	19.4 334	P	00 38 47.0		0.8	
			LN		$M_S=6.7$		18.0	8.87	BTO	19.9 331	eP	00 38 50.2		−1.0	
			LE				20.0	19.6			LN		$M_S=4.3$		13.0 0.50
			LZ		$M_S=6.7$		24.0	45.0			LE				13.0 0.50
CD2	75.6	307	+iP	19 26 50.4		−0.1			CN2	20.1 6	eP	00 38 52.0		−1.5	
			PMZ		$m_B=6.8$		8.0	9.80			LN		$M_S=4.3$		15.0 0.60
			iS	19 36 31.0		0.8					LE				15.0 0.30
			LN		$M_S=5.7$		15.0	1.90			LZ		$M_S=4.5$		16.0 1.60
			LZ		$M_S=6.0$		22.0	9.60	LZH	20.4 311	eP	00 38 56.5		−0.2	
BTO	75.8	318	P	19 26 52.0		0.3					PMZ		$m_b=4.5$		2.0 0.042
			PMZ		$m_B=6.8$		8.0	8.50			sP	00 39 07.5		−1.0	
			pP	19 26 55.5		−2.1					LE		$M_S=4.1$		10.0 0.30
			ePP	19 29 39.0		−3.3					LZ		$M_S=4.1$		16.0 0.59
			LN		$M_S=6.6$		18.0	14.3	GTA	24.9 314	eP	00 39 40.6		−0.4	
			LE				25.0	17.1			PMZ		$m_b=4.2$		1.0 0.010
			LZ		$M_S=6.5$		25.0	30.8			sP	00 39 53.0		0.2	
LZH	77.8	312	+P	19 27 02.5		−0.6			WMQ	34.9 314	eP	00 41 10.0		−0.9	
			PMZ		$m_b=6.3$		2.0	0.74							
			PMZ		$m_B=6.7$		7.0	6.30							
			PP	19 30 03.0		3.6									
			LE		$M_S=6.6$		19.0	17.2							
			LZ		$M_S=6.5$		20.0	25.2							
GTA	82.1	314	+iP	19 27 26.2		0.0									
			PMZ		$m_b=6.2$		1.6	0.39							
			PMZ		$m_B=6.8$		7.5	7.94							
			PP	19 30 35.0		0.0									
			SKS	19 37 40.0		−0.6									
			LE		$M_S=6.7$		18.0	19.4							
			LZ		$M_S=6.5$		22.0	25.1							
LSA	85.2	302	+P	19 27 43.4		1.0									
			PMZ		$m_b=5.1$		1.1	0.020							
			PMZ		$m_B=6.6$		6.0	3.80							
			S	19 38 10.0		0.9									
			LN		$M_S=5.8$		14.0	1.80							
WMQ	92.1	314	eP	19 28 14.0		−1.0									
			PMZ		$m_b=6.1$		1.8	0.20							
			PMZ		$m_B=6.9$		8.0	4.87							
			PP	19 31 50.0		−6.4									
			LZ		$M_S=6.5$		22.0	17.6							
KSH	99.8	308	P	19 28 50.0		0.2									
			LE		$M_S=7.3$		18.0	46.4							

AUG 15d 00h 34m 18.9 ± 0.06s, SD2.05 / 41
23.77 N ± 1.09km, 122.71 E ± 0.97km, h29 ± 0.59km
Taiwan region (243)
M_S4.1 / 7, M_L3.9 / 8, m_b4.2 / 6

QZH	3.9	288	+iPn	00 35 17.0	−0.8	
			Sn	00 35 58.5	−6.2	

AUG 15d 04h 39m 04.8 ± 0.07s, SD1.42 / 61
45.78 S ± 0.66km, 72.43 W ± 1.33km, h13 ± 0.45km
Near coast of Southern Chile (144)
m_B5.7 / 1, m_b5.3 / 15,

WMQ	165.8	91	PKP	04 59 11.0	0.5			
			PKP2	05 00 13.5	3.2			
			SKKS	05 10 40.0	−2.8			
			LZ		$M_S=5.5$		24.0	0.83
LZH	169.9	163	ePKP	04 59 15.0	1.8			
			ePP	05 04 13.0	−6.3			
			PPMZ		$m_B=5.7$		8.0	0.59
			LZ		$M_S=5.4$		22.0	0.61
GTA	171.4	135	ePKP	04 59 15.4	1.3			
BJI	171.5	231	ePKP	04 59 12.0	−1.9			
			LZ		$M_S=5.1$		22.0	0.31

AUG 15d 05h 21m 42.1 ± 0.02s, SD1.09 / 69
18.77 S ± 0.30km, 168.85 E ± 0.49km, h230 ± 0.12km
Vanuatu (New Hebrides) (186)
m_b4.9 / 20,

TIA	73.4	318	eP	05 32 56.1	4.9			
CN2	73.9	329	−iP	05 32 54.5	0.3			
			PMZ		$m_b=5.1$		1.0	0.040
BJI	76.3	321	eP	05 33 08.0	−0.2			
			PMZ		$m_b=4.8$		1.0	0.020
TIY	77.2	317	eP	05 33 14.6	1.4			
			LZ				20.0	0.75
XAN	77.5	313	P	05 33 15.3	0.5			
HHC	79.6	320	P	05 33 27.6	1.4			
LZH	82.1	312	P	05 33 41.0	1.6			

			PMZ		$m_b = 4.9$		1.5	0.034

AUG 15d 06h 50m 35.2 ± 0.06s, SD1.56 / 82
45.58 S ± 0.81km, 72.39 W ± 1.54km, h14 ± 0.47km
Near coast of Southern Chile (144)
m_B5.5 / 2, m_b5.5 / 16,

WMQ	165.7	90	PKP	07	10	40.0	−0.8		
			PKP2	07	11	42.0	1.5		
			PP	07	15	32.0	3.3		
			SKKS	07	22	12.0	−0.9		
			LZ			$M_S = 5.5$		24.0	0.75
CN2	167.2	268	PKP	07	10	40.0	−1.7		
			PPMZ			$m_B = 5.4$		5.0	0.20
			LZ			$M_S = 5.5$		20.0	0.70
LZH	170.1	162	ePKP	07	10	44.0	0.4		
			PPMZ			$m_B = 5.6$		9.0	0.59
			LZ			$M_S = 5.5$		22.0	0.76
GTA	171.6	134	ePKP	07	10	45.4	0.9		
			PKP2	07	12	04.0	−2.2		
			LZ			$M_S = 5.4$		22.0	0.67
BJI	171.6	232	ePKP	07	10	40.0	−4.4		
			ePKP2	07	12	00.0	−6.4		
			ePP	07	15	52.0	−6.1		
			LZ			$M_S = 5.2$		21.0	0.43
HHC	174.5	213	ePKP	07	10	45.0	−0.6		
			PKP2	07	12	14.0	−5.0		
			PP	07	16	07.0	−5.3		
			PPMZ					0.5	0.75
			LZ			$M_S = 5.5$		25.0	1.24
TIY	171.0	208	ePKP	10	06	20.0	−3.6		
			PKP2	10	07	46.0	2.9		
			PP	10	11	33.0	−1.5		
			LN			$M_S = 6.0$		17.0	1.41
			LZ			$M_S = 5.8$		22.0	1.56
BJI	171.2	232	ePKP	10	06	20.0	−3.6		
			ePKP2	10	07	42.0	−2.1		
			ePP	10	11	34.0	−1.7		
			PPMZ			$m_B = 5.9$		12.0	1.52
			LZ			$M_S = 5.5$		24.0	1.03
GTA	171.6	137	PKP	10	06	26.2	2.2		
			PKP2	10	07	44.4	−1.3		
			PP	10	11	35.0	−2.5		
			PPMZ			$m_B = 5.8$		8.0	0.71
			LZ			$M_S = 5.6$		22.0	1.18
HHC	174.1	214	PKP	10	06	25.0	0.0		
			PKP2	10	08	02.0	5.2		
			PP	10	11	48.0	−1.9		
			PPMZ			$m_B = 5.7$		12.0	0.97
			LN			$M_S = 5.9$		20.0	1.14
			LE					21.0	1.18
			LZ			$M_S = 5.9$		23.0	2.38
BTO	174.4	203	ePKP	10	06	26.2	1.2		
			PKP2	10	07	57.0	−1.1		
			ePP	10	11	47.0	−4.4		
			eSKKS	10	18	33.0	−0.7		
			LN			$M_S = 5.8$		18.0	0.70
			LE					18.0	0.80
			LZ			$M_S = 5.7$		18.0	1.40

AUG 15d 09h 46m 15.6 ± 0.11s, SD1.91 / 84
45.84 S ± 1.06km, 72.82 W ± 2.17km, h19 ± 0.70km
Near coast of Southern Chile (144)
M_S5.9 / 6, m_B5.8 / 10, m_b5.3 / 11

SSE	161.7	221	PKP	10	06	18.0	1.9		
			PPMZ					18.0	1.56
			LZ			$M_S = 5.5$		20.0	0.64
NJ2	163.5	217	+PKP	10	06	20.0	2.0		
			LZ			$M_S = 6.3$		20.0	3.85
MDJ	164.2	274	ePKP	10	06	14.5	−4.1		
CD2	164.9	169	PKP	10	06	21.0	1.6		
			PKP2	10	07	20.0	3.9		
			PP	10	11	01.0	−2.8		
			PPMZ					2.0	1.06
			LZ			$M_S = 5.7$		24.0	1.40
WMQ	166.0	91	PKP	10	06	20.0	−0.5		
			PKP2	10	07	25.0	3.7		
			PPMZ			$m_B = 5.9$		8.0	0.90
			LZ			$M_S = 5.8$		24.0	1.66
CN2	166.9	268	−PKP	10	06	16.0	−5.0		
			pPKP	10	06	27.0	0.9		
			PKP2	10	07	21.0	−3.9		
			PP	10	11	10.0	−3.9		
			PPMZ			$m_B = 5.8$		6.0	0.50
			LN			$M_S = 6.0$		20.0	1.00
			LE					20.0	1.00
			LZ			$M_S = 5.8$		20.0	1.40
SNY	167.5	257	−PKP	10	06	19.0	−2.3		
			PKP2	10	07	29.0	1.3		
			PP	10	11	12.0	−5.1		
			PPMZ					13.0	0.65
			LZ			$M_S = 5.8$		21.0	1.42
LZH	169.9	164	−PKP	10	06	24.5	1.5		
			PKP2	10	07	36.0	−2.4		
			PP	10	11	24.0	−5.3		
			PPMZ			$m_B = 6.0$		7.0	0.97
			eSKKS	10	18	10.0	−2.7		
			LZ			$M_S = 5.8$		24.0	1.59

AUG 15d 12h 16m 14.9 ± 0.08s, SD1.81 / 75
45.80 S ± 0.88km, 72.43 W ± 1.77km, h12 ± 0.51km
Near coast of Southern Chile (144)
M_S5.9 / 7, m_B5.9 / 11, m_b5.3 / 16

NJ2	163.7	216	−PKP	12	36	20.0	1.4		
CD2	164.8	167	PKP	12	36	22.5	2.7		
			PP	12	41	05.0	0.9		
			PPMZ			$m_B = 6.1$		7.0	1.27
			LZ			$M_S = 5.9$		23.0	1.87
WMQ	165.8	91	PKP	12	36	21.0	0.3		
			PKP2	12	37	23.0	2.5		
			PP	12	41	13.0	4.3		
			PPMZ			$m_B = 6.1$		8.0	1.33
			SKS	12	43	16.0	−4.3		
			LZ			$M_S = 6.1$		24.0	2.90
CN2	167.1	267	−PKP	12	36	18.0	−3.6		
			pPKP	12	36	29.0	4.6		
			PPMZ			$m_B = 6.0$		6.0	0.90
			LN			$M_S = 5.9$		20.0	1.00
			LE					20.0	1.00
			LZ			$M_S = 6.0$		20.0	2.10
SNY	167.8	257	−PKP	12	36	20.0	−1.9		
			PKP2	12	37	29.0	−0.3		
			PP	12	41	12.0	−6.8		
			PPMZ					14.0	1.06
			LZ			$M_S = 6.0$		21.0	2.10
LZH	169.9	163	PKP	12	36	24.5	1.1		
			PKP2	12	37	36.0	−2.6		
			PPMZ			$m_B = 6.1$		7.0	1.26
			LE			$M_S = 6.0$		16.0	1.44
			LZ			$M_S = 6.0$		22.0	2.28
TIY	171.1	206	+iPKP	12	36	25.0	0.9		
			PKP2	12	37	46.0	1.8		
			PP	12	41	34.0	−1.6		
			LZ			$M_S = 6.1$		20.0	3.00
GTA	171.4	135	ePKP	12	36	25.4	1.1		
			PKP2	12	37	45.0	−0.5		
			PPMZ			$m_B = 5.9$		7.0	0.78

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			SKKS	12 48 23.0	1.6			
			LE	$M_S = 5.8$		10.0	0.59	
			LZ	$M_S = 5.9$		20.0	2.07	
BJI	171.5	231	PKP	12 36 20.0	−4.1			
			PKP2	12 37 41.0	−4.6			
			PP	12 41 32.0	−5.2			
			PPMZ	$m_B = 5.7$		9.0	0.63	
			LZ	$M_S = 5.7$		24.0	1.35	
HHC	174.3	212	PKP	12 36 28.0	2.6			
			PKP2	12 37 57.5	−0.5			
			PP	12 41 50.0	−1.2			
			PPMZ	$m_B = 5.5$		10.0	0.45	
			LN	$M_S = 5.8$		15.0	0.88	
			LZ	$M_S = 6.0$		23.0	3.30	
BTO	174.5	200	ePKP	12 36 27.0	1.5			
			PKP2	12 37 56.0	−3.1			
			ePP	12 41 47.0	−5.4			
			SKKS	12 48 34.5	−1.1			
			LN	$M_S = 6.1$		18.0	2.50	
			LE			18.0	0.90	

AUG 15d 13h 35m 59.4 ± 0.05s, SD1.23 / 403
16.03 S ± 0.79km, 168.03 E ± 0.97km, h171 ± 0.29km
Vanuatu (New Hebrides) (186)
m_B6.3 / 41, m_b6.0 / 107,

QZH	63.1	309	P	13 46 11.1	−0.3			
			PMZ	$m_b = 6.2$		1.6	0.63	
			pP	13 46 54.0	3.1			
			S	13 54 28.0	2.0			
SSE	65.0	316	−iP	13 46 22.0	−1.6			
			PMZ	$m_b = 6.0$		1.0	0.27	
			PMZ	$m_B = 6.3$		5.0	2.89	
			pP	13 47 05.0	1.7			
			iS	13 54 48.0	−2.4			
			sS	13 56 03.0	3.4			
			LE			13.0	0.63	
			LZ			20.0	2.75	
GZH	66.1	305	P	13 46 31.0	0.1			
			pP	13 47 13.0	2.2			
			S	13 55 04.0	0.8			
			LZ			46.0	5.81	
QZN	67.0	299	−iP	13 46 36.8	0.2			
NJ2	67.1	316	−iP	13 46 36.0	−1.2			
			PMZ	$m_b = 5.3$		1.2	0.061	
			PMZ	$m_B = 6.3$		6.0	3.59	
			pP	13 47 18.0	0.9			
			sP	13 47 40.0	4.3			
			PP	13 49 06.4	−2.0			
			S	13 55 14.0	−1.2			
			SS	13 59 33.0	−6.4			
WHN	69.4	312	−iP	13 46 50.5	−0.5			
			PMZ	$m_b = 6.3$		1.5	0.95	
			PMZ	$m_B = 6.0$		8.0	2.11	
			PP	13 49 28.5	0.2			
			S	13 55 40.0	−1.6			
			LZ			18.0	1.81	
MDJ	69.8	332	−iP	13 46 53.2	−0.4			
			PMZ	$m_b = 6.5$		1.2	1.13	
			PMZ	$m_B = 6.8$		4.0	7.43	
			pP	13 47 34.0	0.3			
			sP	13 47 55.0	2.7			
			PP	13 49 26.0	−5.4			
			S	13 55 46.0	−0.5			
			ScS	13 56 36.0	1.5			
			LN			16.0	0.97	
			LE			16.0	1.22	
DL2	69.8	323	+iP	13 46 53.3	−0.3			
			PMZ	$m_b = 6.7$		1.0	1.57	
			PMZ	$m_B = 6.5$		5.0	4.71	
			pP	13 47 33.0	−0.7			
			S	13 55 46.0	−0.5			
			ScS	13 56 37.0	2.5			
			LE			13.0	1.15	
			LZ			20.0	1.54	
SNY	70.7	326	−iP	13 46 58.5	−0.6			
			PMZ	$m_b = 6.0$		1.2	0.33	
			PMZ	$m_B = 6.3$		4.0	2.57	
			pP	13 47 40.0	0.7			
			sP	13 47 57.0	−0.9			
			iS	13 55 58.0	−0.5			
			ScS	13 56 44.0	2.3			
			LN			13.0	0.90	
			LZ			19.0	2.64	
TIA	70.8	318	−P	13 46 59.2	−0.6			
			PMZ	$m_b = 6.1$		1.6	0.57	
			PMZ	$m_B = 6.3$		5.0	2.90	
			pP	13 47 40.5	0.5			
			S	13 55 53.0	−5.3			
			LN			18.0	1.90	
			LZ			24.0	2.90	
CN2	71.1	329	−iP	13 47 01.4	−0.4			
			PMZ	$m_b = 6.1$		1.2	0.40	
			PMZ	$m_B = 6.6$		5.0	5.20	
			pP	13 47 42.0	0.0			
GYA	73.1	305	−P	13 47 12.2	−1.1			
			PMZ	$m_b = 6.4$		1.6	1.20	
			PMZ	$m_B = 6.4$		4.0	3.00	
			pP	13 47 58.0	4.4			
			PcP	13 47 28.4	0.1			
			S	13 56 24.6	0.7			
			ScS	13 57 00.0	−0.6			
			LZ			40.0	3.00	
BJI	73.7	321	−P	13 47 16.5	−0.6			
			PMZ	$m_b = 6.0$		1.4	0.41	
			PMZ	$m_B = 6.6$		4.0	4.40	
			epP	13 48 01.0	3.3			
			eS	13 56 32.0	−1.0			
			SKS	13 57 03.0	1.2			
			LZ			21.0	3.36	
TIY	74.7	317	−iP	13 47 23.0	0.2			
			PMZ	$m_b = 6.4$		1.5	1.04	
			PMZ	$m_B = 6.4$		5.0	3.86	
			pP	13 48 06.0	2.6			
			PP	13 50 12.0	−1.4			
			S	13 56 46.0	3.7			
			ScS	13 57 14.0	0.2			
XAN	75.1	312	−iP	13 47 24.7	−0.3			
			PMZ	$m_b = 5.9$		1.0	0.28	
			PMZ	$m_B = 6.4$		5.0	3.99	
			PcP	13 47 36.2	−1.0			
			pP	13 48 09.0	3.3			
			S	13 56 47.0	0.3			
			sS	13 58 03.0	3.9			
KMI	75.6	302	−P	13 47 30.0	1.9			
			PMZ			3.0	0.37	
			PMZ	$m_B = 5.3$		5.0	0.31	
			S	13 56 55.0	2.7			
HHC	77.0	320	−iP	13 47 36.4	0.4			
			PMZ	$m_b = 6.2$		1.2	0.67	
			PMZ	$m_B = 6.2$		5.0	2.78	
			pP	13 48 20.0	3.3			
			sP	13 48 34.0	−1.1			
			PP	13 50 30.0	−1.8			
			S	13 57 13.0	5.2			
			SS	14 02 18.0	6.6			
			LE			19.0	1.86	

CD2	77.4	307	−iP	13 47 37.2	−0.5			
			PMZ	$m_b = 6.3$		1.6	1.15	
			PMZ	$m_B = 6.4$		5.0	3.93	
			ipP	13 48 21.5	2.9			
			PP	13 50 35.0	0.3			
			iS	13 57 11.5	−1.6			
			iScS	13 57 35.0	−0.3			
			sS	13 58 20.0	−4.2			
BTO	77.9	319	−iP	13 47 41.0	0.4			
			PMZ	$m_B = 6.3$		5.0	3.20	
			pP	13 48 23.0	1.7			
			PP	13 50 34.0	−5.3			
			S	13 57 14.0	−2.7			
			LN			15.0	0.60	
			LE			15.0	0.60	
LZH	79.7	312	−iP	13 47 51.5	0.8			
			PMZ	$m_b = 6.5$		2.0	1.83	
			PMZ	$m_B = 6.4$		5.0	3.58	
			pP	13 48 36.0	4.5			
			sP	13 48 56.0	6.1			
			iS	13 57 38.0	−0.3			
			LZ			22.0	2.54	
GTA	84.1	314	+iP	13 48 13.8	0.6			
			PMZ	$m_b = 5.9$		1.0	0.19	
			PMZ	$m_B = 6.4$		5.0	2.94	
			pP	13 48 58.0	3.5			
			PP	13 51 28.4	−1.5			
			S	13 58 18.0	−2.5			
			LN			13.0	1.05	
			LZ			24.0	1.56	
LSA	86.9	302	−iP	13 48 28.2	1.1			
			PMZ	$m_b = 6.0$		1.2	0.23	
			PMZ			3.0	1.90	
			pP	13 49 12.0	3.6			
			sP	13 49 25.0	−1.4			
			SMN			4.0	2.20	
			SME			4.0	4.20	
WMQ	94.1	314	P	13 49 00.5	−0.1			
			PMZ	$m_b = 6.4$		1.5	0.38	
			PMZ	$m_B = 6.8$		4.0	2.90	
			pP	13 49 45.0	2.4			
KSH	101.6	308	−P	13 49 35.0	0.5			
			LE			10.0	2.00	

AUG 15d 20h 41m 03.2 ± 0.09s, SD2.51 / 16
41.90 N ± 0.78km, 79.88 E ± 0.57km, h29 ± 0.38km
Kirgiziya–Xinjiang border region (320)
M_L4.1 / 7, m_b4.2 / 1,

KSH	3.8	233	ePg	20 42 11.4	0.1			
			Sg	20 43 03.2	−0.4			
			SMN	$M_L = 4.1$		0.5	0.40	
			SME			0.3	0.40	
GTA	15.3	93	eP	20 44 37.2	−2.3			
			PMZ	$m_b = 4.2$		1.0	0.010	
			pP	20 44 45.4	−0.8			
TIY	25.3	89	−P	20 46 30.9	2.0			

AUG 15d 20h 54m 55.7 ± 0.04s, SD1.28 / 78
0.97 N ± 0.59km, 125.99 E ± 0.90km, h43 ± 0.21km
Molucca Passage (266)
m_b5.1 / 25,

CD2	36.5	327	P	21 01 58.8	−0.3			
XAN	36.6	336	P	21 01 58.5	−1.4			
TIY	38.6	343	eP	21 02 17.2	0.0			
BJI	39.9	348	eP	21 02 27.5	−0.1			
			PMZ	$m_b = 4.5$		0.8	0.0060	
LZH	40.5	332	eP	21 02 32.5	−0.5			
			PMZ	$m_b = 4.9$		1.5	0.026	
			LZ	$M_S = 4.0$		25.0	0.27	
SNY	40.7	357	+P	21 02 35.2	0.8			
			PMZ	$m_b = 5.3$		1.2	0.064	
HHC	41.8	344	eP	21 02 43.2	−0.2			
CN2	42.6	359	eP	21 02 54.6	4.4			
MDJ	43.6	4	+P	21 02 58.5	0.7			
LSA	43.8	314	eP	21 03 00.0	0.3			
GTA	45.1	331	eP	21 03 10.2	0.0			
			PMZ	$m_b = 5.1$		0.8	0.020	
			sP	21 03 25.0	−1.0			
WMQ	54.6	327	P	21 04 22.0	−0.6			
			PMZ	$m_b = 5.1$		1.2	0.030	

AUG 15d 21h 46m 44.9 ± 0.06s, SD1.18 / 125
45.10 N ± 1.29km, 151.75 E ± 1.11km, h32 ± 0.20km
Kurile Islands region (222)
M_S4.3 / 3, m_b4.8 / 54,

MDJ	15.7	276	eP	21 50 24.5	−1.3			
			PMZ	$m_b = 4.9$		1.0	0.055	
CN2	18.8	275	eP	21 51 02.0	−2.4			
			PMZ	$m_b = 4.4$		1.0	0.020	
			epP	21 51 09.0	−2.8			
			eS	21 54 30.0	0.4			
			LN	$M_S = 4.3$		15.0	0.40	
			LE			15.0	0.60	
			LZ	$M_S = 4.6$		16.0	2.00	
SNY	20.7	271	−P	21 51 24.4	−0.3			
			PMZ	$m_b = 4.6$		1.0	0.033	
TIA	27.6	263	eP	21 52 32.0	0.7			
HHC	29.5	276	P	21 52 49.0	0.3			
			eP	21 52 49.0	0.9			
BTO	30.7	277	eP	21 52 58.4	−0.9			
			LN	$M_S = 4.6$		15.0	0.50	
			LE			15.0	0.50	
			LZ	$M_S = 4.5$		15.0	0.80	
WHN	32.6	257	P	21 53 15.5	−0.6			
			pP	21 53 29.0	3.8			
XAN	34.4	266	P	21 53 32.4	0.3			
LZH	37.0	273	+P	21 53 55.0	1.1			
			PMZ	$m_b = 5.4$		1.5	0.099	
			sP	21 54 10.0	3.1			
			LZ	$M_S = 4.2$		17.0	0.34	
GTA	38.3	280	+P	21 54 05.0	0.2			
			PMZ	$m_b = 4.8$		1.2	0.020	
CD2	39.8	266	P	21 54 18.2	1.1			
			PMZ	$m_b = 5.4$		1.0	0.061	
GYA	40.4	258	P	21 54 23.0	0.5			
WMQ	44.7	292	P	21 54 57.5	0.7			
			PMZ	$m_b = 4.6$		1.0	0.010	
			LZ	$M_S = 4.4$		20.0	0.46	
LSA	49.4	274	+P	21 55 36.7	2.0			
			PMZ	$m_b = 4.8$		0.8	0.010	

AUG 15d 23h 27m 52.6 ± 0.03s, SD0.93 / 305
52.87 N ± 0.89km, 170.87 W ± 0.48km, h104 ± 0.06km
Fox Islands (9)
m_B5.6 / 2, m_b5.3 / 100,

CN2	42.0	284	+iP	23 35 35.9	0.4			
			PMZ	$m_b = 5.1$		1.0	0.030	
			pP	23 36 00.0	0.8			
			ScP	23 41 10.0	1.8			
			eS	23 41 42.0	−4.6			
			LZ			20.0	1.50	
SNY	44.3	283	+iP	23 35 54.8	0.8			
			PMZ	$m_b = 5.3$		1.2	0.050	
			S	23 42 13.0	−5.8			
			ScS	23 45 40.0	1.5			
			LZ			17.0	1.24	

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BJI	49.8	286	eP	23	36	36.5	−0.4	
			PMZ			$m_b = 5.0$	0.6	0.012
			PMZ			$m_B = 5.4$	6.0	0.34
			pP	23	36	58.5	−2.6	
			eS	23	43	34.0	−3.2	
			esS	23	44	20.0	0.5	
TIA	51.7	282	eP	23	36	51.7	−0.3	
HHC	51.9	290	P	23	36	52.0	−1.2	
BTO	52.9	290	P	23	37	01.4	0.4	
			pP	23	37	27.5	2.2	
			S	23	44	23.0	3.3	
			sS	23	45	07.0	3.6	
			LN				13.0	0.30
			LE				13.0	0.40
TIY	53.5	286	eP	23	37	05.6	0.6	
			S	23	44	32.0	4.9	
			LN				13.0	0.51
			LZ				26.0	0.71
NJ2	53.6	277	+P	23	37	05.0	−0.6	
			PMZ			$m_b = 5.5$	0.8	0.053
			eS	23	44	30.0	0.5	
			LZ				22.0	0.30
WHN	57.4	279	+iP	23	37	32.5	−0.3	
			PMZ			$m_b = 5.4$	0.6	0.030
XAN	58.1	285	P	23	37	37.0	−0.9	
QZH	58.9	271	P	23	37	43.5	0.2	
GTA	59.4	296	P	23	37	46.8	−0.6	
			PMZ			$m_b = 5.2$	0.6	0.020
			pP	23	38	14.0	1.8	
			ScP	23	42	24.0	1.6	
			LZ				32.0	0.73
LZH	59.6	291	eP	23	37	47.5	−0.7	
			PMZ			$m_b = 5.3$	1.2	0.045
			pP	23	38	14.0	1.0	
			LE				14.0	0.34
			LZ				20.0	0.45
WMQ	62.5	307	P	23	38	08.0	−0.1	
			pP	23	38	34.0	0.8	
			S	23	46	26.0	1.3	
			LZ				20.0	0.77
CD2	63.3	287	P	23	38	13.2	−0.5	
			PMZ			$m_b = 5.3$	1.0	0.041
GYA	64.9	281	P	23	38	23.0	−1.1	
			pP	23	38	55.0	5.8	
LSA	71.4	295	P	23	39	05.3	0.7	
			PMZ			$m_b = 5.8$	0.6	0.10

AUG 16d 09h 29m 46.0 ± 0.14s, SD2.31 / 24
2.63 S ± 0.84km, 140.62 E ± 1.13km, h23 ± 0.70km
West Irian (201)
m_b5.0 / 6,

NJ2	40.2	331	eP	09	37	26.0	3.2	
TIA	44.4	333	eP	09	37	59.0	1.6	

AUG 16d 12h 10m 50.0 ± 0.07s, SD3.15 / 11
25.36 N ± 0.73km, 114.37 E ± 0.60km, h11 ± 0.08km
Eastern China (664)
M_L3.6 / 10,

GZH	2.5	203	+Pg	12	11	36.0	2.7	
			Sg	12	12	10.8	4.0	
			SMN			$M_L = 3.4$	0.6	0.19
			SME				0.6	0.22
SSE	8.3	45	eP	12	12	52.5	−0.8	
			SMN			$M_L = 3.7$	0.8	0.020
			SME				0.8	0.014

AUG 16d 22h 05m 02.2 ± 0.05s, SD1.93 / 14
36.64 N ± 1.42km, 71.04 E ± 0.77km, h155 ± 1.16km

Hindu Kush region
m_b4.3 / 2,

KSH	4.8	52	eP	22	06	17.0	2.8	
			S	22	07	12.0	2.7	
			SMN				0.5	5.30
			SME				0.7	6.30
GTA	22.8	74	+iP	22	09	54.4	1.8	
			PMZ			$m_b = 4.4$	0.8	0.010
XAN	30.9	83	eP	22	11	05.5	−1.1	
TIY	32.8	75	eP	22	11	23.2	−0.2	

AUG 16d 22h 26m 19.4 ± 0.04s, SD1.28 / 369
41.71 N ± 0.59km, 125.39 W ± 0.60km, h32 ± 0.25km
Off coast of Northern California (34)
M_S6.2 / 34, m_B5.9 / 15, m_b5.4 / 80

MDJ	71.0	313	eP	22	37	34.5	−2.2	
			PMZ			$m_B = 5.8$	7.0	0.76
			S	22	46	54.0	5.7	
			LN			$M_S = 6.1$	16.0	1.93
			LE				16.0	5.49
CN2	73.8	315	eP	22	37	51.0	−2.1	
			PMZ			$m_b = 6.4$	1.8	0.80
			PMZ			$m_B = 5.9$	5.0	0.80
			epP	22	38	02.0	−0.4	
			eS	22	47	20.0	−1.5	
			LN			$M_S = 6.1$	14.0	2.50
			LE				14.0	3.20
SNY	76.1	314	−P	22	38	04.0	−2.7	
			PMZ			$m_b = 5.4$	1.8	0.10
			pP	22	38	14.0	−1.9	
			sP	22	38	18.0	−1.9	
			iS	22	47	51.0	3.4	
			LE			$M_S = 6.1$	13.0	3.80
			LZ			$M_S = 6.0$	21.0	7.40
DL2	79.3	313	−P	22	38	24.0	0.0	
			PMZ			$m_b = 5.4$	1.4	0.060
			PMZ			$m_B = 5.6$	6.0	0.43
			S	22	48	24.0	4.5	
			LN			$M_S = 6.2$	15.0	2.70
			LE				18.0	5.13
			LZ			$M_S = 5.6$	34.0	5.02
BJI	81.3	317	eP	22	38	34.5	−0.5	
			PMZ			$m_b = 5.0$	1.8	0.030
			PMZ			$m_B = 5.7$	7.0	0.60
			ePP	22	41	38.0	−4.1	
			eS	22	48	40.0	−2.6	
			LN			$M_S = 6.0$	17.0	3.73
			LZ			$M_S = 5.9$	24.0	7.05
HHC	83.0	320	P	22	38	43.6	−0.1	
			PMZ			$m_b = 5.8$	1.4	0.16
			sP	22	38	55.0	−1.8	
			SKS	22	49	02.0	4.2	
			LN			$M_S = 6.6$	14.0	6.40
			LE				14.0	8.50
			LZ			$M_S = 6.0$	20.0	6.00
TIA	83.7	314	eP	22	38	46.0	−1.1	
			PMZ			$m_B = 6.0$	4.0	0.60
			sP	22	39	01.0	0.7	
			S	22	49	08.0	3.2	
			LN			$M_S = 6.3$	18.0	5.00
			LE				18.0	5.30
			LZ			$M_S = 5.9$	18.0	4.30
BTO	83.9	321	eP	22	38	48.6	0.1	
			PP	22	42	07.0	4.2	
			iS	22	49	12.0	2.7	
			LN			$M_S = 6.5$	16.0	6.60
			LE				16.0	8.00
TIY	85.0	318	eP	22	38	53.7	−0.1	

			LE		$M_S=6.3$		15.0	5.21
			LZ		$M_S=6.1$		16.0	6.44
SSE	85.1	308	+P	22 38 56.0		1.7		
			PMZ		$m_b=5.3$		1.2	0.034
			PMZ		$m_B=6.1$		4.0	0.84
			SS	22 55 00.0		3.9		
			LN		$M_S=6.0$		14.0	0.86
			LE				15.0	2.68
			LZ		$M_S=5.7$		20.0	3.21
NJ2	85.8	310	eP	22 38 57.0		−0.5		
			S	22 49 28.0		2.5		
			SS	22 55 12.0		5.8		
			LN		$M_S=6.0$		14.0	2.93
			LZ		$M_S=5.5$		22.0	2.13
GTA	89.4	327	eP	22 39 14.6		−0.6		
			PMZ		$m_b=5.6$		1.8	0.080
			PMZ		$m_B=6.1$		4.0	0.50
			LN		$M_S=6.5$		17.0	9.67
			LZ		$M_S=6.5$		16.0	14.4
WHN	89.4	312	+eP	22 39 16.0		0.7		
			PMZ		$m_b=5.5$		1.2	0.040
			S	22 50 02.0		1.8		
			SS	22 56 00.0		0.9		
			LN		$M_S=6.3$		23.0	7.14
			LZ		$M_S=5.2$		36.0	1.82
XAN	89.6	318	eP	22 39 15.0		−1.2		
			PP	22 42 52.0		2.4		
			SKS	22 49 46.0		5.0		
			LN		$M_S=6.2$		13.0	2.52
			LE				14.0	2.74
WMQ	89.8	337	P	22 39 17.0		−0.1		
			PMZ		$m_b=5.6$		2.0	0.090
			PMZ		$m_B=6.3$		4.0	0.88
			sP	22 39 33.0		2.7		
			SKS	22 49 40.0		−2.1		
			LZ		$M_S=6.5$		16.0	15.5
LZH	90.4	322	eP	22 39 21.0		0.9		
			PMZ		$m_b=5.7$		2.0	0.11
			PMZ		$m_B=5.8$		6.0	0.36
			sP	22 39 31.0		−2.2		
			PP	22 43 00.0		4.5		
			SKS	22 49 48.0		2.3		
			S	22 50 11.0		2.0		
			SS	22 56 20.0		6.5		
			LN		$M_S=6.7$		18.0	11.0
			LE				17.0	7.93
			LZ		$M_S=6.4$		19.0	13.9

AUG 17d 05h 14m 48.8 ± 0.04s, SD1.27 / 69
5.39 S ± 0.63km, 152.59 E ± 0.83km, h35 ± 0.07km
New Britain region (192)
m_b5.1 / 19,

QZH	44.7	314	eP	05 23 02.3		1.3		
TIA	53.1	324	eP	05 24 04.8		−0.5		
GYA	54.6	308	P	05 24 16.0		−0.6		
CN2	54.7	336	eP	05 24 19.0		1.3		
XAN	56.9	317	eP	05 24 32.5		−0.8		
CD2	59.0	311	−iP	05 24 47.7		0.0		
			PMZ		$m_b=5.2$		0.7	0.020
HHC	59.4	325	eP	05 24 51.2		0.4		
BTO	60.1	324	eP	05 24 55.5		−0.5		
LZH	61.5	316	eP	05 25 06.0		0.8		
			PMZ		$m_b=5.0$		1.5	0.031
			pP	05 25 17.0		2.0		
			sP	05 25 22.0		2.9		
GTA	65.9	318	eP	05 25 35.0		0.7		
			PMZ		$m_b=4.7$		1.0	0.010
WMQ	76.0	318	eP	05 26 31.0		−4.1		

AUG 17d 06h 18m 33.5 ± 0.04s, SD1.48 / 74
10.08 N ± 1.28km, 69.92 W ± 0.94km, h9 ± 0.15km
Venezuela (101)
M_S5.9 / 2, m_b5.4 / 12,

HHC	129.3	359	PKP	06 37 46.0		2.1		
			LZ		$M_S=5.7$		25.0	1.70
BJI	129.8	354	ePKP	06 37 45.5		0.8		
			LZ		$M_S=5.4$		23.0	0.94
TIY	132.4	357	ePKP	06 37 53.8		4.1		
			ePP	06 40 16.0		0.6		
			LN		$M_S=5.9$		16.0	1.10
			LZ		$M_S=5.6$		20.0	1.25
LZH	133.7	7	ePKP	06 37 53.5		1.2		
			LE		$M_S=5.8$		20.0	1.09
			LZ		$M_S=5.5$		22.0	1.08
XAN	136.1	1	ePKP	06 37 58.7		2.1		
CD2	138.8	8	PKP	06 38 03.4		1.9		
GYA	143.5	5	PKP	06 38 08.8		−1.1		

AUG 17d 12h 39m 03.4 ± 0.04s, SD1.33 / 287
10.62 N ± 0.53km, 62.15 W ± 0.79km, h62 ± 0.39km
Near coast of Venezuela (97)
m_b5.1 / 71,

WMQ	119.3	25	ePKP	12 57 47.0		0.6		
			LZ		$M_S=5.1$		20.0	0.46
CN2	125.4	353	ePKP	12 57 58.0		−0.2		
			LZ		$M_S=5.4$		26.0	1.00
GTA	127.5	18	ePKP	12 58 03.5		1.1		
HHC	128.5	6	ePKP	12 58 07.0		2.8		
BTO	128.5	8	ePKP	12 58 07.0		2.6		
BJI	129.6	2	ePKP	12 58 07.5		1.3		
TIY	131.7	6	ePKP	12 58 12.6		2.3		
			PP	13 00 31.0		−2.6		
			LZ		$M_S=5.3$		26.0	0.71
LZH	131.7	15	ePKP	12 58 12.5		2.0		
			LZ		$M_S=5.1$		25.0	0.43
TIA	133.4	1	ePKP	12 58 15.3		1.7		
XAN	134.8	10	ePKP	12 58 17.3		1.1		
NJ2	137.6	359	ePKP	12 58 21.5		0.3		
GYA	141.6	16	PKP	12 58 29.4		0.9		
GZH	146.2	7	ePKP	12 58 40.4		4.0		

AUG 17d 18h 19m 08.2 ± 0.08s, SD2.39 / 13
23.51 N ± 0.65km, 121.59 E ± 1.05km, h27 ± 0.22km
Taiwan (244)
M_L3.3 / 6, m_b4.3 / 1,

QZH	3.1	298	−Pn	18 19 56.3		0.7		
			Sn	18 20 30.2		−3.0		
			SMN		$M_L=3.1$		0.5	0.071
			SME				0.5	0.067

AUG 17d 19h 29m 37.5 ± 0.03s, SD1.18 / 522
40.25 N ± 0.58km, 124.19 W ± 0.64km, h7 ± 0.27km
Near coast of Northern California (35)
M_S6.1 / 33, m_B6.5 / 30, m_b5.9 / 125

MDJ	72.7	314	+P	19 41 08.0		−0.7		
			PMZ		$m_b=5.5$		1.0	0.055
			PMZ		$m_B=6.5$		7.0	4.16
			pP	19 41 13.2		−0.5		
			eS	19 50 30.0		−3.5		
			sS	19 50 38.2		−3.5		
			LN		$M_S=5.9$		15.0	1.63
			LE				18.0	3.40
CN2	75.5	315	+iP	19 41 24.0		−0.9		
			PMZ		$m_b=6.0$		1.8	0.30
			PMZ		$m_B=6.5$		6.0	3.20
			epP	19 41 34.0		4.2		

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			eS	19 51 03.0	−1.8				
			eSS	19 55 57.0	1.1				
			LN		M_S=5.9		18.0	2.80	
			LE				18.0	2.20	
			LZ		M_S=6.1		18.0	10.0	
SNY	77.8	315	+iP	19 41 38.0	−0.1				
			PMZ		m_b=6.0		1.6	0.24	
			PMZ		m_B=6.6		7.0	5.00	
			PP	19 44 30.0	−4.7				
			iS	19 51 33.0	2.6				
			LE		M_S=5.7		12.0	1.50	
			LZ		M_S=5.9		18.0	5.35	
DL2	80.9	314	+iP	19 41 55.0	0.1				
			PMZ		m_b=6.0		1.2	0.21	
			PMZ		m_B=6.2		8.0	2.12	
			S	19 52 05.0	3.5				
			SMN				14.0	2.86	
			SME				14.0	4.46	
			LZ		M_S=5.6		21.0	2.81	
BJI	83.0	318	eP	19 42 05.0	−0.8				
			PMZ		m_b=5.3		1.6	0.045	
			PMZ		m_B=6.4		7.0	2.55	
			ePP	19 45 16.0	−1.3				
			eS	19 52 28.0	3.4				
			LN		M_S=5.8		15.0	1.96	
			LZ		M_S=5.9		16.0	4.10	
HHC	84.7	321	+P	19 42 14.0	−0.5				
			PMZ		m_b=5.7		1.3	0.080	
			PMZ		m_B=6.7		7.0	4.50	
			PP	19 45 32.0	1.2				
			PPMZ				6.0	3.00	
			SKS	19 52 38.5	4.3				
			S	19 52 43.0	3.3				
			LN		M_S=6.2		17.0	4.00	
			LE				18.0	4.00	
TIA	85.3	315	+P	19 42 17.5	0.0				
			PMZ		m_b=5.3		1.6	0.050	
			PMZ		m_B=6.4		8.0	2.56	
			pP	19 42 27.0	4.6				
			LN		M_S=6.0		15.0	1.30	
			LE				17.0	3.01	
			LZ		M_S=5.8		18.0	3.86	
BTO	85.6	322	P	19 42 18.5	−0.6				
			PMZ		m_B=6.6		7.0	3.50	
			LN		M_S=6.1		16.0	2.70	
			LE				16.0	2.40	
TIY	86.7	318	+P	19 42 24.4	0.2				
			PMZ		m_b=7.3		1.1	2.97	
			PMZ		m_B=6.6		7.0	3.40	
			PP	19 45 50.0	2.5				
			sS	19 53 05.0	−3.9				
			LN		M_S=6.1		15.0	3.63	
			LZ		M_S=6.1		18.0	6.57	
SSE	86.7	309	−P	19 42 24.0	−0.4				
			PMZ		m_b=5.6		1.4	0.077	
			PMZ		m_B=6.5		7.0	3.21	
			sP	19 42 28.0	−3.8				
			PP	19 45 52.0	4.1				
			SKS	19 52 48.0	0.3				
			S	19 53 02.0	2.6				
			SS	19 58 48.0	4.3				
			LN		M_S=6.0		14.0	2.14	
			LE				14.0	1.37	
			LZ		M_S=5.8		18.0	3.58	
NJ2	87.4	311	+P	19 42 26.5	−1.2				
			PMZ		m_B=6.5		7.0	2.99	
			SKS	19 52 53.0	0.8				
			S	19 53 08.0	2.1				
			LZ		M_S=5.8		18.0	3.23	
WHN	91.1	313	eP	19 42 43.0	−2.1				
			PMZ		m_b=6.1		1.5	0.15	
			PMZ		m_B=6.6		6.0	1.98	
			LE		M_S=6.2		20.0	5.74	
			LZ		M_S=5.7		20.0	3.13	
GTA	91.1	327	+iP	19 42 45.6	0.2				
			PMZ		m_b=6.5		2.2	0.58	
			PMZ		m_B=6.6		7.0	2.35	
			pP	19 42 50.4	0.2				
			PP	19 46 26.0	3.7				
			SKS	19 53 18.0	3.2				
			S	19 53 45.0	5.0				
			LN		M_S=6.3		15.0	4.70	
			LZ		M_S=6.3		18.0	9.32	
XAN	91.3	318	P	19 42 46.0	−0.2				
			PMZ		m_b=5.7		1.2	0.050	
			PMZ		m_B=6.6		7.0	2.46	
			SKS	19 53 14.0	−1.9				
			S	19 53 44.0	2.3				
			LN		M_S=6.1		14.0	1.77	
			LE				14.0	2.22	
WMQ	91.5	338	+iP	19 42 48.0	0.8				
			PMZ		m_b=5.8		1.8	0.10	
			PMZ		m_B=6.6		8.0	2.66	
			PP	19 46 26.0	−0.1				
			SKS	19 53 20.0	3.0				
			S	19 53 48.0	4.5				
			LN		M_S=6.3		16.0	3.90	
			LE				16.0	2.85	
			LZ		M_S=6.3		20.0	11.6	
LZH	92.1	323	+P	19 42 50.5	0.4				
			PMZ		m_b=6.1		2.0	0.22	
			PMZ		m_B=6.7		6.0	2.49	
			PP	19 46 31.0	−0.4				
			SKS	19 53 20.0	−0.6				
			S	19 53 44.0	−4.9				
			LN		M_S=6.6		15.0	7.99	
			LE				15.0	4.84	
			LZ		M_S=6.4		18.0	11.7	
CD2	96.4	320	eP	19 43 08.0	−1.6				
			SKS	19 53 44.0	0.0				
			S	19 54 30.0	4.3				
			LE		M_S=6.1		15.0	3.17	
			LZ		M_S=5.8		20.0	2.97	
GZH	97.3	308	eP	19 43 13.0	−0.6				
			LZ		M_S=5.5		20.0	1.75	
GYA	98.5	315	P	19 43 20.6	1.5				
			PMZ		m_B=7.1		4.0	1.40	
			LN		M_S=6.4		20.0	3.80	
			LE				20.0	5.50	
			LZ		M_S=5.6		40.0	4.10	
KSH	98.5	344	−P	19 43 20.0	0.8				
			LN		M_S=6.8		15.0	6.50	
			LE				16.0	12.5	

AUG 17d 19h 36m 48.2±0.05s, SD2.24/28
28.00 N±0.43km, 100.99 E±0.50km, h11±0.07km
Yunnan Province (318)
M_S4.0/3, M_L3.9/12,

KMI	3.2	151	−Pg	19 37 43.5	−2.3			
			Sg	19 38 28.5	−1.4			
			SMN		M_L=4.3		1.5	1.24
			SME				1.4	0.62
			LN		M_S=4.0		6.0	1.04
			LE				6.0	1.28
CD2	3.8	39	Pn	19 37 51.0	4.3			
			Sg	19 38 47.2	0.9			

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			SMN		$M_L=3.8$		0.8	0.30
			SME				1.0	0.21
			LE		$M_S=4.2$		6.0	2.35
GYA	5.3	106	Pn	19 38 10.2		2.7		
			Pg	19 38 23.6		2.3		
			Sn	19 39 13.8		3.5		
			SMN		$M_L=4.0$		1.2	0.12
			SME				1.2	0.17
LSA	8.8	283	eP	19 38 58.2		−0.8		
XAN	9.1	47	eP	19 39 03.0		0.5		
			SMN				1.0	0.047
			SME				1.0	0.037
HHC	15.5	31	eP	19 40 28.8		0.2		
WMQ	19.1	329	eP	19 41 10.2		−3.3		

AUG 17d 22h 17m 13.6 ± 0.04s, SD1.44 / 483
41.82 N ± 0.75km, 125.53 W ± 0.76km, h16 ± 0.29km
Off coast of Northern California (34)
M_S7.2 / 51, m_B6.5 / 40, m_b6.0 / 97

MDJ	70.9	313	eP	22 28 29.0		−3.5		
			PMZ		$m_b=5.8$		1.5	0.18
			PMZ		$m_B=6.7$		8.0	7.39
			iS	22 37 49.0		2.9		
			LN		$M_S=7.3$		15.0	10.6
			LE				19.0	90.6
SNY	76.0	314	+iP	22 29 01.0		−1.5		
			PMZ		$m_b=5.8$		1.2	0.15
			PMZ		$m_B=6.4$		10.0	4.22
			iS	22 38 46.5		2.4		
			LN		$M_S=7.2$		19.0	61.1
			LE				13.0	11.3
			LZ		$M_S=7.0$		22.0	81.6
DL2	79.1	313	+P	22 29 18.0		−1.8		
			PMZ		$m_b=6.1$		1.2	0.24
			PMZ		$m_B=6.5$		8.0	4.09
			LN		$M_S=6.8$		26.0	29.0
			LE				27.0	27.0
			LZ		$M_S=6.8$		36.0	79.3
BJI	81.2	317	eP	22 29 30.0		−0.8		
			PMZ		$m_b=5.7$		1.2	0.10
			PMZ		$m_B=6.4$		8.0	3.11
			eS	22 39 44.0		4.8		
			eSS	22 44 56.0		0.2		
			LN		$M_S=7.1$		17.0	36.6
			LE				19.0	19.2
			LZ		$M_S=6.8$		20.0	48.2
HHC	82.8	320	P	22 29 38.6		−1.0		
			PMZ		$m_b=5.8$		1.2	0.12
			PMZ		$m_B=6.6$		8.0	4.41
			PPMZ				8.0	3.92
			SKS	22 39 56.5		1.5		
			LN		$M_S=7.2$		14.0	23.5
			LE				15.0	39.7
TIA	83.5	314	eP	22 29 40.9		−2.1		
			PMZ		$m_b=5.3$		1.6	0.050
			PMZ		$m_B=6.3$		8.0	2.33
			S	22 40 06.0		4.5		
			LN		$M_S=7.3$		18.0	46.4
			LE				17.0	40.7
			LZ		$M_S=6.9$		40.0	103
BTO	83.8	321	eP	22 29 44.8		0.4		
			PMZ		$m_B=6.6$		8.0	4.40
			S	22 40 06.0		2.0		
			SS	22 45 40.0		6.0		
			LN		$M_S=7.3$		15.0	34.3
			LE				15.0	52.8
TIY	84.8	318	−P	22 29 50.2		0.5		
			PMZ		$m_B=6.6$		7.0	3.81
			SKS	22 40 09.0		0.5		
			S	22 40 16.0		1.4		
			LN		$M_S=7.2$		15.0	25.6
			LE				14.0	32.8
			LZ		$M_S=7.0$		18.0	56.6
SSE	85.0	308	+P	22 29 48.0		−2.2		
			PMZ		$m_b=5.8$		1.2	0.10
			PMZ		$m_B=6.3$		8.0	2.42
			PP	22 33 02.0		−5.6		
			LN		$M_S=6.9$		16.0	10.9
			LE				16.0	19.0
			LZ		$M_S=6.8$		20.0	35.8
NJ2	85.6	310	−P	22 29 51.0		−2.5		
			PMZ		$m_b=5.5$		1.2	0.052
			PMZ		$m_B=6.2$		10.0	2.46
			PP	22 33 16.0		3.2		
			SKS	22 40 09.0		−4.8		
			S	22 40 24.0		1.7		
			LN		$M_S=7.3$		23.0	27.7
			LE				21.0	74.4
			LZ		$M_S=6.6$		24.0	28.5
GTA	89.3	327	eP	22 30 09.2		−2.1		
			PMZ				2.8	1.17
			PMZ		$m_B=6.7$		8.0	4.29
			PP	22 33 40.0		−3.0		
			LN		$M_S=7.3$		18.0	60.2
			LZ		$M_S=6.7$		24.0	38.1
WHN	89.3	312	−iP	22 30 10.0		−1.3		
			PMZ		$m_b=7.3$		1.5	3.13
			PMZ		$m_B=6.4$		8.0	2.29
			LN		$M_S=7.2$		18.0	25.0
			LE				18.0	45.8
			LZ		$M_S=6.5$		20.0	16.9
XAN	89.5	317	P	22 30 10.0		−2.2		
			pP	22 30 23.5		4.8		
			PP	22 33 42.0		−2.7		
			PMZ		$m_b=7.2$		1.7	3.01
			LN		$M_S=7.3$		20.0	52.1
			LE				14.0	31.5
WMQ	89.7	337	P	22 30 12.5		−0.7		
			PMZ		$m_b=6.2$		2.0	0.35
			PMZ		$m_B=6.7$		10.0	5.60
			sP	22 30 27.0		4.4		
			LN		$M_S=7.4$		16.0	60.5
			LE				18.0	32.1
			LZ		$M_S=7.1$		16.0	57.7
LZH	90.3	322	eP	22 30 15.0		−1.1		
			PMZ		$m_b=6.3$		2.0	0.43
			PMZ		$m_B=6.5$		7.0	2.24
			pP	22 30 26.0		3.5		
			sP	22 30 30.0		4.6		
			PP	22 33 46.0		−4.9		
			SKS	22 40 42.0		−1.2		
			S	22 41 02.0		−3.9		
			sS	22 41 17.0		−1.6		
			LN		$M_S=7.5$		17.0	79.7
			LE				17.0	58.9
			LZ		$M_S=7.0$		24.0	72.4
QZH	91.0	305	eP	22 30 16.0		−3.3		
			PMZ		$m_B=6.5$		10.0	3.18
			iS	22 41 16.0		1.8		
			LN		$M_S=7.5$		40.0	111
			LE				40.0	174
CD2	94.6	319	eP	22 30 37.2		1.5		
			SKS	22 41 09.0		1.5		
			S	22 41 50.0		6.6		
			LE		$M_S=7.4$		16.0	60.8
			LZ		$M_S=6.9$		20.0	39.7

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GZH	95.6	308	P	22 30 42.0	1.8			
			SKS	22 41 14.5	1.5			
			iS	22 42 00.0	6.4			
			LN	M_S=7.3		25.0	26.2	
			LE			21.0	58.8	
			LZ	M_S=6.8		20.0	31.2	
GYA	96.7	315	P	22 30 46.0	0.5			
			PMZ	m_B=6.9		6.0	1.60	
			PP	22 34 43.0	1.6			
			S	22 42 04.0	2.6			
			SS	22 48 42.0	2.1			
			LN	M_S=7.4		20.0	42.8	
			LE			20.0	53.5	
			LZ	M_S=6.5		40.0	32.7	
KSH	96.7	343	+P	22 30 50.0	4.3			
			LE	M_S=7.2		14.0	35.5	
KMI	99.8	317	eP	22 30 58.0	−1.7			
			LN	M_S=6.9		15.0	9.00	
			LE			15.0	15.8	
			LZ	M_S=7.0		38.0	92.2	
LSA	101.2	328	eP	22 31 11.2	5.0			

AUG 18d 05h 45m 12.1 ± 0.06s, SD1.00 / 57
4.08 S ± 0.43km, 127.05 E ± 0.41km, h255 ± 0.69km
Banda Sea (280)
m_B4.9 / 1, m_b4.8 / 24,

NJ2	36.8	348	+P	05 51 58.0	0.6			
CD2	41.3	329	P	05 52 35.2	0.4			
XAN	41.6	337	P	05 52 36.9	−0.4			
TIY	43.7	343	+P	05 52 54.0	−0.6			
BJI	45.0	348	eP	05 53 04.0	−0.6			
			PMZ	m_b=4.1		1.1	0.010	
LZH	45.5	333	eP	05 53 09.0	0.6			
			PMZ	m_b=4.7		1.0	0.036	
HHC	46.9	344	+P	05 53 19.4	−0.1			
MDJ	48.5	2	eP	05 53 32.0	0.2			
			PMZ	m_b=5.6		1.0	0.27	
GTA	50.0	332	+iP	05 53 44.0	0.6			
			PMZ	m_b=4.3		0.8	0.010	

AUG 18d 08h 15m 03.9 ± 0.25s, SD2.97 / 13
25.25 N ± 1.92km, 121.81 E ± 1.68km, h5 ± km
Taiwan (244)
M_S3.6 / 2, M_L3.6 / 8, m_b3.9 / 1

QZH	2.9	265	ePn	08 15 50.4	−1.1			
			Sn	08 16 32.5	3.4			
			SMN	M_L=3.1		1.0	0.10	
			SME			1.0	0.060	
SSE	5.8	355	Pn	08 16 36.0	4.4			
			Sg	08 18 02.0	−5.2			
			SMN	M_L=3.6		1.3	0.037	
			SME			1.2	0.058	
			LE	M_S=3.5		11.0	0.54	
			LZ	M_S=3.6		10.0	0.48	
CD2	16.9	294	P	08 19 05.4	2.3			
GTA	23.3	313	eP	08 20 10.2	−3.5			

AUG 18d 10h 52m 51.0 ± 0.08s, SD1.06 / 206
17.96 S ± 0.34km, 178.53 W ± 0.64km, h579 ± 0.94km
Fiji region (181)
m_b5.2 / 70,

SSE	75.7	310	+P	11 03 39.0	−0.7			
			PMZ	m_b=4.6		0.8	0.020	
NJ2	77.9	310	−P	11 03 51.0	−0.6			
			PMZ	m_b=4.8		1.0	0.042	
MDJ	78.2	325	−P	11 03 53.0	−0.1			
			PMZ	m_b=4.9		1.0	0.055	
QZN	79.4	294	eP	11 03 59.4	−0.1			
CN2	80.0	322	−P	11 04 03.0	0.3			
			PMZ	m_b=4.6		1.3	0.030	
			PMZ			3.0	0.10	
			epP	11 06 04.0	−0.6			
			eS	11 13 24.0	3.2			
WHN	80.5	306	+iP	11 04 06.5	0.9			
			PMZ	m_b=4.9		1.5	0.080	
TIA	81.2	312	−P	11 04 08.5	−0.5			
BJI	83.7	315	eP	11 04 21.5	−0.2			
			PMZ	m_b=4.9		1.5	0.053	
GYA	85.0	300	P	11 04 27.4	−0.4			
			PMZ	m_b=5.1		1.4	0.080	
TIY	85.2	312	−P	11 04 29.2	0.2			
			PMZ	m_b=5.3		0.9	0.056	
XAN	86.2	307	−iP	11 04 36.4	2.7			
HHC	87.2	314	eP	11 04 37.6	−1.0			
			PMZ	m_b=5.1		1.2	0.038	
CD2	89.0	303	P	11 04 47.0	0.2			
LZH	90.8	308	−P	11 04 56.5	1.1			
			PMZ	m_b=5.4		1.4	0.069	
GTA	95.0	310	P	11 05 14.2	0.0			
			PMZ	m_b=5.0		1.0	0.010	

AUG 18d 14h 45m 26.2 ± 0.03s, SD1.01 / 97
24.36 N ± 0.63km, 142.11 E ± 0.84km, h550 ± 0.25km
Volcano Islands region (213)
m_b5.0 / 35,

NJ2	21.9	296	−P	14 49 40.0	−0.5			
MDJ	22.6	336	+iP	14 49 48.0	0.4			
			PMZ	m_b=5.2		1.0	0.055	
SNY	23.2	323	−iP	14 49 52.8	−0.3			
			PMZ	m_b=5.1		1.0	0.041	
CN2	23.7	329	eP	14 49 57.3	0.0			
			ScP	14 56 07.0	−0.9			
TIA	24.5	305	−P	14 50 04.8	0.3			
WHN	25.4	290	−iP	14 50 12.5	0.7			
BJI	26.8	312	eP	14 50 24.0	−0.7			
TIY	28.6	305	−P	14 50 40.4	0.3			
HHC	30.3	310	P	14 50 56.0	0.7			
			PMZ	m_b=5.1		0.8	0.040	
			+P	14 50 54.0	−0.7			
XAN	30.4	296	P	14 50 55.5	−0.5			
BTO	31.3	309	P	14 51 04.4	0.7			
GYA	32.0	281	P	14 51 09.6	−0.1			
			PMZ	m_b=5.1		1.2	0.060	
			S	14 55 43.0	−0.5			
CD2	34.5	290	+iP	14 51 30.4	0.3			
			PMZ	m_b=5.7		1.0	0.19	
LZH	34.9	299	+P	14 51 33.5	0.1			
			PMZ	m_b=5.3		1.5	0.13	
GTA	38.6	303	+iP	14 52 04.2	0.5			
			PMZ	m_b=4.9		0.8	0.030	
			PcP	14 54 02.5	0.3			
			S	14 57 21.2	−0.2			
WMQ	48.1	308	P	14 53 19.0	0.2			
			PMZ	m_b=5.1		1.5	0.10	
			S	14 59 37.5	0.7			

AUG 18d 15h 33m 18.5 ± 0.05s, SD1.07 / 44
0.05 N ± 0.56km, 123.22 E ± 0.62km, h176 ± 0.38km
Minahassa Peninsula (Celebes) (265)
m_b4.9 / 19,

QZN	23.0	326	eP	15 38 10.0	1.3			
GYA	30.7	330	P	15 39 19.4	−0.2			
WHN	31.5	345	eP	15 39 26.0	0.0			
CD2	35.8	331	P	15 40 03.7	0.5			
			PMZ	m_b=4.8		0.9	0.020	
XAN	36.4	340	P	15 40 08.0	0.2			

TIY	38.8	346	+P	15 40 28.6	0.6			
LZH	40.1	335	−P	15 40 40.5	1.3			
			PMZ	$m_b = 4.8$		1.6	0.038	
LSA	42.5	317	P	15 41 00.4	1.8			
			PMZ	$m_b = 4.8$		0.8	0.020	
GTA	44.6	334	eP	15 41 15.6	−0.1			
			PMZ	$m_b = 4.4$		1.0	0.010	
WMQ	53.8	329	eP	15 42 25.0	−1.0			

AUG 18d 21h 52m 05.9 ± 0.06s, SD1.06 / 135
31.93 S ± 0.68km, 71.51 W ± 0.37km, h50 ± 0.56km
Off coast of Central Chile (134)
m_b5.5 / 36,

MDJ	159.2	314	ePKP	22 11 59.0	−0.3			
WMQ	159.8	48	PKP	22 12 01.0	0.9			
			PKP2	22 12 41.5	1.4			
			PP	22 16 24.0	1.5			
			LZ	$M_S = 5.4$		20.0	0.46	
LSA	164.9	94	PKP	22 12 08.2	2.6			
GTA	169.7	41	+iPKP	22 12 10.0	1.4			
			pPKP	22 12 20.0	−2.5			
BJI	169.8	325	ePKP	22 12 08.0	−0.5			
HHC	170.8	345	ePKP	22 12 09.2	0.0			
TIA	171.7	303	+PKP	22 12 10.7	1.1			
TIY	173.4	332	ePKP	22 12 11.5	0.9			
GYA	174.3	163	PKP	22 12 11.0	−0.1			
LZH	174.3	42	ePKP	22 12 12.0	0.8			
			pPKP	22 12 27.0	1.8			
			sPKP	22 12 34.0	3.2			
CD2	175.8	103	PKP	22 12 12.2	1.0			
XAN	177.9	350	P	22 12 12.7	0.8			

AUG 19d 02h 03m 39.4 ± 0.08s, SD3.64 / 10
41.45 N ± 0.76km, 79.38 E ± 0.37km, h15 ± 0.52km
Southern Xinjiang Province (321)
M_L3.7 / 6,

WMQ	6.6	66	Pn	02 05 20.3	4.2			
			Pg	02 05 40.8	5.3			
			Sg	02 07 03.4	−2.1			
			SMN	$M_L = 3.6$		1.0	0.030	
			SME			0.8	0.030	
TIY	25.7	87	eP	02 09 11.6	0.9			

AUG 19d 05h 03m 29.2 ± 0.03s, SD0.81 / 39
85.48 N ± 0.44km, 14.19 E ± 0.40km, h10 ± 0.05km
North of Svalbard (641)
M_S4.8 / 1, m_b4.7 / 15,

MDJ	47.7	61	eP	05 12 08.0	−0.4			
CN2	48.2	65	eP	05 12 12.0	−0.4			
SNY	50.0	67	+P	05 12 26.2	−0.3			
GTA	50.6	91	+iP	05 12 31.3	0.4			
			PMZ	$m_b = 4.6$		1.0	0.010	
BJI	51.2	74	eP	05 12 36.0	0.2			
			PMZ	$m_b = 4.9$		1.5	0.028	
LZH	54.2	87	eP	05 12 58.0	−0.1			
			PMZ	$m_b = 5.1$		1.5	0.040	
			pP	05 13 05.0	1.6			
			sP	05 13 09.0	2.9			
			LE	$M_S = 4.8$		15.0	0.40	
			LZ	$M_S = 4.5$		20.0	0.39	
XAN	56.6	82	eP	05 13 15.0	−0.6			
CD2	59.3	88	P	05 13 34.4	−0.2			

AUG 19d 05h 21m 21.5 ± 0.05s, SD1.35 / 104
22.75 N ± 0.83km, 143.03 E ± 0.91km, h109 ± 0.16km
Volcano Islands region (213)
m_B5.0 / 1, m_b5.2 / 46,

SSE	21.2	298	+P	05 26 00.0	0.4			
			PMZ	$m_b = 5.6$		0.5	0.15	
QZH	22.5	280	P	05 26 13.6	1.2			
			PMZ	$m_b = 5.3$		0.6	0.091	
NJ2	23.3	299	−iP	05 26 21.8	0.8			
			PMZ	$m_b = 5.6$		1.2	0.33	
DL2	24.3	316	P	05 26 31.8	1.1			
			PMZ	$m_b = 5.6$		1.0	0.24	
MDJ	24.4	336	−P	05 26 33.0	1.3			
			PMZ	$m_b = 5.1$		1.0	0.082	
CN2	25.5	329	eP	05 26 43.5	1.6			
TIA	26.1	307	+P	05 26 48.2	0.6			
WHN	26.7	293	−P	05 26 53.0	0.0			
			PMZ	$m_b = 5.4$		1.0	0.094	
BJI	28.5	313	P	05 27 08.5	−0.7			
TIY	30.2	307	eP	05 27 24.0	−0.2			
XAN	31.9	298	−iP	05 27 38.0	−1.2			
HHC	32.0	312	eP	05 27 40.0	−0.3			
			PMZ	$m_b = 5.0$		1.0	0.030	
BTO	33.0	310	eP	05 27 48.8	0.0			
GYA	33.2	284	−P	05 27 49.6	−0.9			
			PMZ	$m_b = 5.1$		1.0	0.030	
CD2	35.8	292	−P	05 28 12.4	−0.4			
			PMZ	$m_b = 5.6$		0.9	0.092	
LZH	36.4	300	eP	05 28 17.5	−0.1			
			PMZ	$m_b = 5.2$		1.5	0.060	
			LE			15.0	0.40	
			LZ			20.0	0.39	
KMI	36.8	282	−P	05 28 22.0	0.8			
			PMZ	$m_b = 5.2$		1.5	0.060	
GTA	40.2	305	−iP	05 28 49.4	0.4			
			PMZ	$m_b = 5.1$		0.6	0.020	
			ScP	05 34 28.2	−0.5			
WMQ	49.8	309	P	05 30 06.0	0.2			
			PMZ	$m_b = 5.7$		1.0	0.10	

AUG 19d 06h 05m 52.2 ± 0.11s, SD2.08 / 72
46.84 N ± 1.30km, 85.60 E ± 1.34km, h15 ± 0.41km
Northern Xinjiang Province (332)
M_S5.5 / 46, M_L5.9 / 1, m_B5.1 / 2,

WMQ	3.4	153	−iPn	06 06 49.2	4.3			
			Sn	06 07 32.0	5.5			
			SMN			2.0	64.5	
KSH	10.2	227	eP	06 08 22.0	0.8			
			S	06 10 16.0	0.4			
			LE	$M_S = 5.8$		6.0	21.3	
GTA	12.8	120	+iP	06 08 54.0	−2.4			
			pP	06 09 06.0	4.8			
			LE	$M_S = 5.7$		10.0	20.7	
			LZ	$M_S = 4.8$		18.0	6.99	
LZH	17.3	122	−P	06 09 56.7	0.7			
			PMZ	$m_b = 5.5$		1.5	0.33	
			PMZ	$m_B = 5.3$		4.0	0.60	
			pP	06 10 02.5	1.5			
			PP	06 10 12.0	2.2			
			eS	06 13 08.0	0.5			
			SS	06 13 30.0	2.2			
			LN	$M_S = 5.9$		6.5	8.90	
			LE			6.5	11.7	
			LZ	$M_S = 4.9$		18.0	5.20	
LSA	17.6	164	P	06 10 00.2	0.1			
			pP	06 10 05.0	0.2			
			SMN			5.0	0.81	
BTO	18.7	101	eP	06 10 11.9	−0.6			
			pP	06 10 20.0	2.5			
			LN	$M_S = 5.1$		9.0	2.30	
			LE			9.0	2.30	
			LZ	$M_S = 4.8$		9.0	2.10	
HHC	19.6	98	P	06 10 22.0	−1.4			

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			pP	06 10 26.0	−2.8		
			sP	06 10 29.0	−3.2		
			PP	06 10 41.0	0.3		
			S	06 14 02.0	4.1		
			sS	06 14 07.0	0.3		
			LN	M_S=5.7		9.0	8.87
			LE			8.0	7.35
			LZ	M_S=5.2		12.0	5.92
CD2	21.2	132	−P	06 10 40.0	−0.1		
			LE	M_S=5.4		8.0	4.95
			LZ	M_S=4.8		15.0	2.56
TIY	21.8	105	+P	06 10 45.2	−0.6		
			PMZ	m_b=4.9		0.8	0.042
			pP	06 10 53.0	1.4		
			S	06 14 46.0	5.6		
			LN	M_S=5.9		4.5	5.69
			LE			5.5	6.14
			LZ	M_S=5.5		6.5	5.47
XAN	21.8	118	P	06 10 44.5	−1.4		
			LN	M_S=5.5		10.0	5.78
			LE			10.0	4.29
BJI	23.1	96	eP	06 10 59.5	0.4		
			PMZ	m_b=4.6		1.2	0.030
			esP	06 11 08.0	−0.2		
			eS	06 15 10.0	4.2		
			LN	M_S=5.6		8.0	6.63
			LZ	M_S=5.1		16.0	5.26
KMI	25.6	142	eP	06 11 20.0	−3.3		
			LN	M_S=4.9		7.0	0.50
			LE			9.0	1.10
			LZ	M_S=4.7		16.0	1.80
TIA	25.7	103	+P	06 11 23.8	−0.4		
			eS	06 15 46.0	−4.3		
			LN	M_S=5.5		5.0	2.48
			LE			5.0	1.61
			LZ	M_S=4.8		16.0	2.27
GYA	26.3	133	P	06 11 28.2	−1.4		
			PMZ	m_b=5.2		1.2	0.060
			LN	M_S=5.3		14.0	2.80
			LE			14.0	3.30
			LZ	M_S=4.7		16.0	1.80
SNY	27.4	87	−P	06 11 44.0	4.1		
			PMZ	m_b=5.4		1.2	0.10
			S	06 16 23.0	5.4		
			LN	M_S=5.3		10.0	2.54
			LE			8.0	1.71
			LZ	M_S=5.1		18.0	4.88
WHN	27.5	116	+P	06 11 45.0	4.4		
			PMZ	m_b=5.6		1.0	0.12
			S	06 16 19.0	0.3		
			LN	M_S=5.6		10.0	3.71
			LE			9.0	3.70
			LZ	M_S=4.8		16.0	1.80
CN2	28.0	82	eP	06 11 49.5	4.6		
			PMZ	m_b=4.8		1.0	0.020
			epP	06 11 56.0	5.1		
			eS	06 16 28.0	0.9		
			LN	M_S=5.5		7.0	2.80
			LE			7.0	1.10
			LZ	M_S=5.5		17.0	9.80
NJ2	29.4	108	−P	06 12 00.2	2.9		
			LN	M_S=5.0		10.0	1.24
			LE			10.0	0.83
			LZ	M_S=4.6		14.0	0.89
MDJ	30.5	78	eP	06 12 12.0	4.6		
			PMZ	m_b=5.2		1.5	0.060
SSE	31.5	107	eP	06 12 16.5	0.2		
			pP	06 12 22.0	−0.4		
			eS	06 17 23.0	−0.1		
			LN	M_S=4.9		12.0	0.80
			LE			12.0	0.93
			LZ	M_S=4.8		16.0	1.76
GZH	32.5	127	P	06 12 30.3	4.9		
			PMZ	m_b=5.3		0.8	0.040
			eS	06 17 35.0	−4.3		
			LZ	M_S=5.2		12.0	2.65
QZN	34.1	136	P	06 12 38.0	−1.1		
			eS	06 18 02.0	−1.9		
			LE	M_S=5.4		14.5	3.60

AUG 19d 08h 24m 20.9±0.05s, SD2.24/15
31.51 N±0.44km, 109.11 E±0.56km, h2±0.20km
Sichuan Province (307)
M_L3.4/12,

GYA	5.5	204	Pn	08 25 47.0	3.2		
			Sn	08 26 49.8	0.4		
			SMN	M_L=3.5		1.2	0.040
			SME			1.2	0.050

AUG 19d 12h 39m 13.6±0.05s, SD1.92/35
22.95 N±1.04km, 123.94 E±0.79km, h23±1.33km
South-east of Taiwan (247)
M_S4.1/3, M_L3.8/4, m_b4.4/10

QZH	5.3	293	Pn	12 40 30.5	−1.1		
			Sn	12 41 28.0	−5.8		
			SMN	M_L=3.8		0.2	0.097
			SME			0.2	0.093
SSE	8.5	344	−P	12 41 18.2	0.0		
			PMZ	m_b=4.6		0.8	0.020
			pP	12 41 25.3	0.9		
			SMN	M_L=3.9		1.5	0.018
			SME			1.5	0.037
			LN	M_S=3.7		11.0	0.48
			LZ	M_S=3.8		14.0	0.79
GYA	16.1	286	P	12 43 02.2	1.8		
			PMZ	m_b=4.5		1.0	0.020
XAN	17.2	313	P	12 43 17.2	2.9		
TIY	17.7	329	eP	12 43 22.8	1.7		
			LN	M_S=4.1		13.0	0.44
			LZ	M_S=4.1		14.0	0.60
BJI	18.3	341	eP	12 43 27.5	−0.1		
CD2	19.6	298	eP	12 43 42.2	−1.7		
			PMZ	m_b=4.5		1.2	0.029
HHC	20.7	333	eP	12 43 56.0	1.0		
			LZ	M_S=4.1		17.0	0.60
CN2	20.8	3	eP	12 43 55.5	−1.0		
			epP	12 43 59.0	−4.6		
			LZ	M_S=4.2		14.0	0.60
BTO	21.2	329	eP	12 44 03.0	3.0		
LZH	21.8	311	eP	12 44 08.0	1.6		
			PMZ	m_b=4.4		1.5	0.028
			sP	12 44 21.5	4.6		
			LZ	M_S=4.0		18.0	0.46
MDJ	22.1	11	eP	12 44 09.5	0.1		
GTA	26.2	314	eP	12 44 48.0	−1.5		
			PMZ	m_b=4.4		1.0	0.010
			pP	12 44 54.0	−2.6		

AUG 20d 05h 06m 26.8±0.06s, SD2.03/30
30.55 N±0.71km, 79.54 E±0.70km, h31±0.07km
Tibet-India border region (305)
M_L4.4/1, m_b4.1/3,

WMQ	14.7	24	P	05 10 00.0	4.8		
CD2	20.8	83	P	05 11 05.8	−2.7		
GYA	24.2	93	P	05 11 41.6	0.0		
XAN	25.0	74	P	05 11 50.5	0.4		

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AUG 20d 08h 46m 40.2 ± 0.04s, SD1.06 / 308
37.76 N ± 0.99km, 72.17 E ± 0.45km, h136 ± 0.09km
Afghanistan–USSR border region (717)
m_B5.2 / 1, m_b5.2 / 81,

KSH	3.4	58	P	08 47 35.2	1.4			
			S	08 48 17.6	3.5			
			SMN			0.5	17.3	
			SME			0.5	14.1	
LSA	17.7	111	P	08 50 39.0	−1.1			
			S	08 53 44.5	−5.0			
			SMN			3.0	1.15	
			LN			5.0	0.28	
GTA	21.6	77	P	08 51 21.4	0.3			
			PMZ	m_b = 5.1		1.2	0.10	
			PMZ	m_B = 5.2		4.0	0.47	
			pP	08 51 48.0	−0.5			
			sP	08 52 04.0	0.0			
			sS	08 55 56.0	−1.9			
			ScS	09 02 28.3	4.2			
			LN			9.0	0.55	
			LZ			14.0	0.47	
LZH	25.3	84	eP	08 51 57.0	0.6			
			PMZ	m_b = 5.1		1.4	0.069	
			eS	08 56 09.0	−1.5			
			LN			9.0	0.29	
			LZ			15.0	0.29	
CD2	26.9	95	P	08 52 11.6	1.0			
KMI	28.8	107	−P	08 52 28.5	0.2			
			PMZ	m_b = 5.2		2.5	0.13	
			pP	08 52 55.0	−1.6			
BTO	29.3	73	eP	08 52 33.0	0.2			
			pP	08 53 01.5	0.3			
			PP	08 53 29.5	−3.3			
			eS	08 57 15.5	0.3			
XAN	29.9	86	eP	08 52 36.5	−1.1			
HHC	30.5	72	P	08 52 44.2	1.4			
			PMZ	m_b = 4.9		1.2	0.031	
			pP	08 53 05.5	−5.8			
			LN			7.0	0.16	
TIY	31.7	77	eP	08 52 53.0	−0.4			
			PMZ	m_b = 5.2		0.9	0.037	
			LZ			11.0	0.35	
BJI	34.1	72	eP	08 53 14.0	0.1			
			PMZ	m_b = 4.5		1.0	0.0080	
WHN	35.4	89	−P	08 53 26.0	0.8			
			PMZ	m_b = 5.1		1.1	0.040	
			pP	08 53 55.0	0.3			
TIA	35.7	78	+P	08 53 28.5	0.9			
QZN	37.7	109	P	08 53 46.0	1.4			
NJ2	38.4	84	−P	08 53 51.5	1.2			
			PMZ	m_b = 5.2		1.0	0.050	
			pP	08 54 20.5	0.4			
DL2	38.4	73	P	08 53 51.6	1.0			
SNY	39.2	67	eP	08 53 56.2	−1.0			
CN2	40.2	64	eP	08 54 06.6	1.3			
SSE	40.6	84	P	08 54 10.5	2.0			
			LZ			20.0	0.46	
MDJ	43.0	62	eP	08 54 30.0	2.0			

AUG 20d 09h 19m 30.8 ± 0.10s, SD2.28 / 21
36.46 N ± 1.37km, 71.41 E ± 0.92km, h26 ± 1.08km
Hindu Kush region (718)
M_L4.8 / 3, m_b4.7 / 3,

KSH	4.7	48	Pg	09 20 51.2	−2.9			
			SMN	M_L = 4.8		0.5	1.00	
			SME			0.4	1.60	
WMQ	14.5	54	P	09 22 56.0	−0.1			
GTA	22.6	74	P	09 24 30.4	−0.4			
			PMZ	m_b = 4.7		1.5	0.030	
			pP	09 24 38.0	−0.4			
			sP	09 24 40.6	−1.5			
LZH	26.1	81	eP	09 25 07.5	2.7			
			PMZ	m_b = 4.5		1.5	0.017	
HHC	31.5	70	eP	09 25 52.6	−0.5			

AUG 20d 21h 28m 28.7 ± 0.05s, SD2.42 / 33
37.16 N ± 0.54km, 114.75 E ± 0.54km, h23 ± 0.09km
Eastern China (664)
M_S4.1 / 1, M_L4.1 / 27,

TIY	1.9	288	+Pn	21 29 00.6	−0.1			
			iPg	21 29 02.0	−0.9			
			Sg	21 29 25.2	−4.2			
			SMN	M_L = 4.2		0.5	2.20	
			SME			0.4	2.39	
TIA	2.1	116	Pn	21 29 04.7	1.3			
			Sg	21 29 37.5	1.8			
			SMN	M_L = 3.6		0.7	0.52	
			SME			0.7	0.41	
BJI	3.1	21	Pn	21 29 15.5	−1.1			
			Pg	21 29 22.5	−0.8			
			Sg	21 30 02.0	−3.7			
			SMN	M_L = 4.1		1.0	0.66	
			SME			1.0	0.65	
HHC	4.4	327	Pn	21 29 36.0	0.7			
			Pg	21 29 47.2	0.0			
			Sg	21 30 50.0	1.9			
			SMN	M_L = 4.4		1.0	0.61	
			SME			0.8	0.57	
BTO	5.0	314	ePg	21 29 56.0	−2.0			
			Sn	21 30 45.1	2.1			
			SMN	M_L = 4.0		0.8	0.18	
			SME			0.8	0.16	
XAN	5.7	239	ePn	21 29 52.2	0.0			
			Pg	21 30 12.4	3.5			
			Sn	21 31 01.5	2.9			
			SMN	M_L = 4.0		1.0	0.14	
			SME			1.0	0.11	
DL2	5.7	70	Pn	21 29 53.2	0.7			
NJ2	6.1	145	ePn	21 30 00.0	1.9			
			ePg	21 30 15.0	−1.6			
			Sn	21 31 07.0	−2.4			
			SMN	M_L = 4.1		0.8	0.12	
			SME			0.8	0.15	
WHN	6.6	183	ePg	21 30 21.0	−4.4			
			SMN	M_L = 4.3		1.0	0.15	
CN2	10.5	47	eP	21 31 04.0	2.8			
			SMN			0.8	0.026	
			SME			0.8	0.019	
CD2	11.0	239	P	21 31 13.0	4.4			
GTA	12.0	285	eP	21 31 20.4	−0.7			
			sP	21 31 31.0	0.1			
			LN	M_S = 4.1		4.0	0.25	
			LZ	M_S = 4.0		6.0	0.34	

AUG 20d 23h 23m 35.4 ± 0.06s, SD2.56 / 13
27.22 N ± 0.43km, 100.16 E ± 0.62km, h13 ± 0.18km
Yunnan Province (318)
M_L3.1 / 7,

KMI	3.1	131	+Pg	23 24 30.0	−0.7			
			Sg	23 25 10.0	−2.9			
			SMN	M_L = 3.1		1.2	0.080	
			SME			1.5	0.060	
CD2	4.8	40	Pg	23 25 01.4	0.3			

AUG 21d 22h 23m 36.5 ± 0.05s, SD2.02 / 29

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37.51 N ± 0.48km, 114.89 E ± 0.46km, h21 ± 0.11km
North-Eastern China (658)
M_S4.0 / 1, M_L4.0 / 32,

TIY	2.0	277	−Pg	22 24 10.0	−1.4			
			Sg	22 24 35.0	−3.2			
			SMN	M_L = 3.9		0.4	1.06	
			SME			0.4	1.11	
TIA	2.2	125	Pn	22 24 14.3	1.7			
			Pg	22 24 18.1	2.4			
			Sg	22 24 47.4	1.4			
BJI	2.7	21	ePn	22 24 20.0	0.4			
			Pg	22 24 25.0	0.3			
			Sn	22 24 52.0	−1.7			
			Sg	22 25 00.5	−1.5			
			SMN	M_L = 3.8		0.5	0.55	
			SME			0.5	0.32	
HHC	4.2	323	−iPg	22 24 51.3	0.0			
			Sg	22 25 47.7	−1.1			
			SMN	M_L = 3.9		0.8	0.26	
			SME			0.8	0.24	
			SMZ	M_L = 3.8		0.8	0.12	
BTO	4.9	311	Pn	22 24 52.6	3.1			
			Pg	22 25 01.2	−1.7			
			Sg	22 26 04.5	−5.2			
			SMN	M_L = 3.6		0.8	0.070	
			SME			0.8	0.090	
			SMZ	M_L = 4.2		0.8	0.19	
DL2	5.5	73	ePn	22 24 59.5	1.9			
WHN	7.0	184	Pg	22 25 43.5	4.0			
			Sg	22 27 12.0	−2.6			
			SMN	M_L = 4.0		1.0	0.050	
			SME			1.0	0.10	
SNY	8.0	55	eP	22 25 30.0	−4.2			
			SMN	M_L = 3.7		1.0	0.026	
			SME			0.8	0.014	
GTA	12.0	284	eP	22 26 27.0	−2.5			
			LN	M_S = 4.0		5.0	0.25	

AUG 22d 00h 58m 39.6 ± 0.05s, SD1.55 / 23
45.82 S ± 0.71km, 72.91 W ± 1.34km, h12 ± 0.43km
Near coast of Southern Chile (144)
m_B5.8 / 1, m_b4.9 / 6,

WMQ	166.1	91	ePKP	01 18 50.0	4.2			
LZH	170.0	165	ePKP	01 18 48.0	−0.3			
			PP	01 23 48.0	−6.6			
			PPMZ	m_B = 5.8		6.0	0.64	
			LZ	M_S = 5.2		32.0	0.60	

AUG 22d 03h 53m 42.2 ± 0.15s, SD1.52 / 29
25.59 N ± 1.36km, 91.35 E ± 0.95km, h5 ± km
India-Bangladesh border region (315)
M_L4.4 / 1, m_b4.3 / 5,

LSA	4.1	358	−Pg	03 54 53.2	−2.0			
			Sn	03 55 42.0	5.6			
			SMN	M_L = 4.4		0.8	0.71	
			SME			0.7	0.65	
CD2	12.2	61	eP	03 56 40.0	0.7			
LZH	15.0	43	eP	03 57 16.5	−0.3			
			PMZ	m_b = 5.1		1.0	0.044	
			pP	03 57 23.5	3.1			
			sP	03 57 28.0	4.0			
GTA	15.5	25	P	03 57 22.4	−1.4			
			PMZ	m_b = 4.3		0.8	0.010	
			pP	03 57 29.6	2.2			
QZN	18.3	107	eP	03 57 59.0	0.1			
WMQ	18.4	352	P	03 58 01.0	0.5			
BTO	21.6	41	eP	03 58 34.9	−0.5			
TIY	21.6	51	+P	03 58 34.8	−0.6			
BJI	25.3	49	eP	03 59 10.0	−1.1			
			PMZ	m_b = 4.3		1.0	0.070	

AUG 22d 07h 07m 42.7 ± 0.03s, SD0.88 / 128
23.72 S ± 0.52km, 179.81 W ± 0.56km, h521 ± 0.21km
South of Fiji (171)
m_b5.2 / 52,

NJ2	80.7	311	−P	07 19 03.0	0.0			
MDJ	82.2	326	−P	07 19 10.5	−0.3			
WHN	83.0	308	eP	07 19 15.0	0.0			
SNY	83.6	321	+iP	07 19 17.8	0.0			
CN2	83.8	324	P	07 19 18.4	−0.6			
			PMZ	m_b = 4.7		1.0	0.030	
TIA	84.2	314	−P	07 19 21.0	0.1			
GYA	86.8	301	P	07 19 32.6	−0.8			
BJI	87.0	316	eP	07 19 34.0	−0.3			
			PMZ	m_b = 4.8		1.4	0.029	
TIY	88.2	313	−P	07 19 40.6	0.7			
			PMZ	m_b = 5.1		0.8	0.032	
XAN	88.8	308	−P	07 19 43.0	0.4			
HHC	90.4	315	eP	07 19 51.2	0.9			
CD2	91.1	303	eP	07 19 54.8	1.3			
			PMZ	m_b = 5.2		1.2	0.040	
BTO	91.3	314	eP	07 19 53.4	−0.9			
LZH	93.4	308	P	07 20 04.5	0.4			
			PMZ	m_b = 5.3		1.0	0.029	

AUG 22d 13h 18m 12.2 ± 0.04s, SD1.00 / 164
23.81 S ± 0.58km, 179.75 W ± 0.64km, h534 ± 0.26km
South of Fiji (171)
m_b5.2 / 67,

NJ2	80.8	311	+P	13 29 32.2	0.4			
MDJ	82.3	326	eP	13 29 38.0	−1.6			
WHN	83.1	308	−P	13 29 44.5	0.8			
			PMZ	m_b = 4.7		1.0	0.030	
SNY	83.7	321	+iP	13 29 46.4	−0.2			
CN2	84.0	323	P	13 29 47.0	−0.8			
			PMZ	m_b = 4.7		1.2	0.030	
TIA	84.3	314	−P	13 29 50.1	0.4			
GYA	86.9	301	P	13 30 01.6	−0.5			
BJI	87.1	316	eP	13 30 03.0	0.0			
			PMZ	m_b = 4.8		1.4	0.029	
			eS	13 39 56.0	−1.5			
TIY	88.3	313	eP	13 30 08.8	0.2			
			PMZ	m_b = 5.2		0.8	0.034	
XAN	88.9	308	P	13 30 12.0	0.7			
KMI	89.4	298	−P	13 30 15.0	0.9			
			PMZ	m_b = 5.3		1.5	0.080	
HHC	90.5	315	eP	13 30 19.5	0.5			
CD2	91.2	303	eP	13 30 23.8	1.7			
			PMZ	m_b = 5.3		1.2	0.050	
BTO	91.4	314	eP	13 30 23.2	0.2			
LZH	93.5	308	eP	13 30 33.0	0.3			
			PMZ	m_b = 5.3		1.0	0.031	

AUG 22d 18h 56m 23.9 ± 0.05s, SD2.75 / 10
42.48 N ± 0.46km, 83.23 E ± 0.47km, h29 ± 0.17km
Southern Xinjiang Province (321)
M_L3.6 / 8,

WMQ	3.5	66	ePn	18 57 20.6	3.2			
			Sg	18 58 18.2	3.2			
			SMN	M_L = 3.4		0.6	0.10	
			SME			0.6	0.10	

AUG 22d 21h 15m 02.3 ± 0.04s, SD1.41 / 242
55.74 N ± 0.60km, 114.73 E ± 0.89km, h21 ± 0.10km
East of Lake Baykal (328)
M_S5.4 / 46, m_B5.0 / 2, m_b5.0 / 80

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CN2	13.8	146	eP	21	18	16.2	−3.2		
			PMZ			$m_b = 5.1$		0.6	0.020
			LN			$M_S = 5.7$		5.0	8.60
			LE					5.0	7.10
			LZ			$M_S = 5.7$		12.0	28.5
MDJ	14.6	133	eP	21	18	29.5	−0.7		
			PMZ			$m_b = 5.4$		1.0	0.069
			LN			$M_S = 5.5$		6.0	5.26
			LE					8.0	7.85
HHC	15.1	189	eP	21	18	36.6	0.6		
			LN			$M_S = 5.2$		10.0	3.50
			LE					6.0	3.41
			LZ			$M_S = 5.1$		12.0	6.91
SNY	15.1	154	−P	21	18	34.2	−2.0		
			LN			$M_S = 5.5$		10.0	12.9
			LZ			$M_S = 5.5$		10.0	13.9
BTO	15.5	194	eP	21	18	40.2	−1.3		
			pP	21	18	47.0	−0.1		
			LN			$M_S = 5.4$		8.0	6.10
			LE					9.0	2.60
			LZ			$M_S = 5.3$		8.0	6.50
BJI	15.7	176	eP	21	18	43.5	−1.3		
			PMZ			$m_b = 4.7$		1.4	0.044
			LN			$M_S = 5.2$		11.0	5.57
			LZ			$M_S = 5.1$		16.0	8.18
DL2	17.5	162	eP	21	19	09.0	2.3		
			sS	21	22	30.0	1.5		
			LN			$M_S = 5.4$		10.0	6.55
			LE					10.0	2.25
			LZ			$M_S = 5.2$		12.0	6.65
TIY	18.1	186	−P	21	19	16.8	2.1		
			LE			$M_S = 5.3$		7.5	4.72
			LZ			$M_S = 5.2$		9.0	4.80
GTA	19.1	218	P	21	19	26.6	−0.6		
			PMZ			$m_b = 4.8$		1.0	0.050
			PMZ					3.1	0.43
			pP	21	19	33.6	0.6		
			S	21	23	00.0	4.4		
			LN			$M_S = 5.4$		9.0	5.29
			LZ			$M_S = 5.3$		10.0	6.74
TIA	19.6	174	eP	21	19	35.5	3.1		
			S	21	23	10.0	3.3		
			LN			$M_S = 5.2$		13.0	5.29
			LE					11.0	1.75
			LZ			$M_S = 5.1$		15.0	6.07
WMQ	21.0	247	−iP	21	19	47.0	−0.3		
			PMZ			$m_b = 4.9$		1.5	0.090
			pP	21	19	58.5	4.6		
			LZ			$M_S = 5.2$		12.0	4.92
LZH	21.0	205	+P	21	19	48.5	0.8		
			PMZ			$m_b = 4.9$		1.5	0.085
			PMZ			$m_B = 4.7$		10.0	0.37
			pP	21	19	52.5	−1.7		
			PP	21	20	07.0	−2.7		
			LN			$M_S = 5.6$		8.0	3.64
			LE					8.0	6.21
			LZ			$M_S = 5.1$		10.0	3.53
XAN	22.1	193	eP	21	19	57.5	−0.6		
			LN			$M_S = 5.4$		11.0	4.00
			LE					8.0	3.11
NJ2	23.9	171	−P	21	20	17.6	2.0		
			pP	21	20	23.0	0.5		
			sP	21	20	27.0	1.1		
			sS	21	24	36.0	−2.9		
			LN			$M_S = 5.4$		9.0	4.11
			LE					11.0	1.48
			LZ			$M_S = 5.1$		12.0	3.82
SSE	25.1	167	+P	21	20	28.0	0.8		
			PMZ			$m_b = 4.8$		1.0	0.025
			pP	21	20	32.0	−2.1		
			S	21	24	48.0	0.8		
			LN			$M_S = 5.4$		12.0	5.09
			LE					12.0	2.74
			LZ			$M_S = 5.3$		16.0	7.94
WHN	25.2	181	P	21	20	29.5	1.1		
			PMZ			$m_b = 4.9$		1.0	0.030
			pP	21	20	34.5	−0.8		
			LN			$M_S = 5.3$		14.0	4.17
			LE					12.0	1.61
			LZ			$M_S = 4.9$		14.0	2.35
CD2	26.0	202	eP	21	20	38.4	2.2		
			LN			$M_S = 5.3$		11.0	3.56
			LZ			$M_S = 5.2$		12.0	4.16
GYA	29.8	195	P	21	21	14.8	3.8		
			PMZ			$m_b = 4.6$		1.0	0.010
			pP	21	21	19.6	1.6		
			LN			$M_S = 5.5$		8.0	1.80
			LE					8.0	2.80
			LN			$M_S = 5.1$		12.0	1.80
KSH	30.3	254	P	21	21	16.0	1.1		
			LN			$M_S = 5.9$		6.0	3.00
			LE					7.0	5.80
KMI	31.8	201	eP	21	21	26.5	−1.9		
QZN	36.8	188	P	21	22	13.0	1.5		
			pP	21	22	17.8	−0.8		
			eS	21	27	54.0	−0.5		
			LN			$M_S = 5.2$		13.0	1.63
			LE					14.0	0.85

AUG 23d 01h 57m 36.7 ± 0.00s, SD3.28 / 5
31.52 N ± 0.03km, 92.12 E ± 0.03km, h9 ± 0.00km
Tibet (306)

LSA	**2.0**	**205**	**−Pn**	**01**	**58**	**11.6**	**0.1**

AUG 23d 09h 58m 53.6 ± 0.05s, SD1.32 / 84
13.70 S ± 0.90km, 167.76 E ± 0.86km, h33 ± 0.17km
Vanuatu (New Hebrides) (186)
M_S5.0 / 1, m_b4.9 / 20,

MDJ	67.6	331	eP	10	09	49.0	−0.7		
CN2	69.0	329	eP	10	10	02.6	4.1		
GYA	71.5	304	eP	10	10	18.0	4.1		
TIY	72.8	317	eP	10	10	21.5	−0.2		
XAN	73.3	312	eP	10	10	23.5	−1.2		
KMI	74.2	301	eP	10	10	30.0	0.3		
			PMZ			$m_b = 5.1$		1.5	0.040
HHC	75.1	319	P	10	10	35.0	0.0		
LZH	78.0	312	eP	10	10	51.0	−0.3		
			PMZ			$m_b = 5.0$		1.5	0.031
			pP	10	10	57.0	−3.7		
			LE			$M_S = 5.0$		13.0	0.29
			LZ			$M_S = 4.9$		25.0	0.69
GTA	82.3	314	P	10	11	14.4	0.1		
			PMZ			$m_b = 4.8$		1.0	0.010
			pP	10	11	19.6	−4.1		

AUG 23d 16h 16m 07.8 ± 0.04s, SD1.41 / 136
10.00 N ± 0.74km, 126.16 E ± 1.15km, h32 ± 0.08km
Mindanao (259)
M_S4.5 / 2, m_b5.1 / 43,

QZH	16.5	335	eP	16	20	01.5	2.8		
GZH	17.9	318	eP	16	20	20.0	4.1		
			LZ			$M_S = 4.2$		28.0	1.48
QZN	18.1	301	eP	16	20	21.8	2.5		
			PMZ			$m_b = 4.5$		0.8	0.020
			eS	16	23	35.0	−2.9		
SSE	21.5	348	−iP	16	20	57.5	1.4		

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			PMZ		$m_b = 5.1$		1.0	0.087
			pP	16	21 06.0	1.3		
			eS	16	24 48.0	0.1		
			LZ		$M_S = 4.0$		22.0	0.57
NJ2	23.0	344	–P	16	21 12.4	1.7		
			PMZ		$m_b = 4.9$		1.0	0.053
WHN	23.2	333	–P	16	21 14.5	1.3		
			pP	16	21 25.0	3.2		
GYA	24.7	314	P	16	21 27.8	0.5		
			sP	16	21 42.0	2.1		
			LZ		$M_S = 4.2$		20.0	0.80
TIA	27.3	344	–P	16	21 52.6	0.2		
XAN	28.7	329	–P	16	22 02.5	–1.9		
			PMZ		$m_b = 5.4$		0.7	0.050
CD2	29.4	318	eP	16	22 09.6	–1.5		
TIY	30.2	338	eP	16	22 18.0	–0.3		
			LN		$M_S = 4.6$		18.0	1.00
			LZ		$M_S = 4.4$		18.0	0.73
BJI	31.2	345	eP	16	22 26.5	–0.3		
			PMZ		$m_b = 4.8$		1.2	0.020
LZH	32.9	326	+P	16	22 41.0	–1.1		
			PMZ		$m_b = 5.1$		1.5	0.045
			pP	16	22 56.0	5.1		
			LE		$M_S = 4.3$		13.0	0.29
			LZ		$M_S = 4.3$		25.0	0.69
HHC	33.3	340	P	16	22 45.8	0.3		
			PMZ		$m_b = 5.4$		1.0	0.063
			LZ		$M_S = 4.4$		16.0	0.59
BTO	33.7	338	eP	16	22 47.6	–0.8		
CN2	33.7	359	P	16	22 48.8	0.4		
			pP	16	22 52.4	–5.0		
			LZ		$M_S = 4.4$		18.0	0.60
MDJ	34.6	4	–P	16	22 56.0	–0.4		
			PMZ		$m_b = 5.2$		1.5	0.060
GTA	37.5	326	+iP	16	23 20.8	–0.5		
			pP	16	23 35.4	5.1		
			ScP	16	29 22.0	–0.3		
			LZ		$M_S = 4.4$		20.0	0.59
LSA	38.1	306	P	16	23 26.2	–0.1		
WMQ	47.4	322	P	16	24 40.6	–0.6		
			PMZ		$m_b = 4.7$		1.0	0.010
			LZ		$M_S = 4.5$		16.0	0.44

AUG 23d 20h 16m 24.5 ± 0.04s, SD1.21 / 181
9.14 S ± 0.64km, 123.58 E ± 0.98km, h30 ± 0.06km
Timor (289)
m_b5.4 / 46,

QZN	31.1	334	–P	20	22 43.0	0.2		
GZH	33.6	343	eP	20	23 05.6	1.4		
QZH	34.2	352	+P	20	23 10.0	0.0		
			PMZ		$m_b = 5.4$		0.5	0.027
GYA	39.0	336	P	20	23 51.4	0.8		
			PMZ		$m_b = 5.4$		1.0	0.070
			PcP	20	26 00.0	–0.3		
KMI	39.7	330	eP	20	23 58.5	2.4		
			PMZ		$m_b = 5.5$		1.5	0.12
SSE	40.1	357	P	20	24 00.0	0.8		
WHN	40.4	348	+iP	20	24 04.0	1.8		
			PMZ		$m_b = 5.7$		1.0	0.14
NJ2	41.2	354	+P	20	24 09.0	0.4		
			PMZ		$m_b = 5.4$		1.0	0.062
CD2	44.1	335	+iP	20	24 32.9	0.4		
			PMZ		$m_b = 5.4$		0.9	0.050
TIA	45.5	353	eP	20	24 42.8	–0.8		
TIY	47.8	348	–iP	20	25 00.4	–1.0		
LZH	48.7	339	P	20	25 09.0	0.4		
			PMZ		$m_b = 5.7$		1.5	0.16
			LZ		$M_S = 4.3$		38.0	0.65
BJI	49.4	353	eP	20	25 13.0	–1.0		
			PMZ		$m_b = 5.1$		1.0	0.026
LSA	49.7	322	+iP	20	25 17.4	1.0		
			S	20	32 16.0	–4.5		
SNY	50.7	0	eP	20	25 22.2	–1.8		
			PMZ		$m_b = 5.4$		1.2	0.058
HHC	51.0	348	P	20	25 25.0	–1.0		
			PMZ		$m_b = 5.2$		0.8	0.029
BTO	51.1	347	eP	20	25 24.6	–2.1		
CN2	52.7	2	eP	20	25 37.3	–1.8		
GTA	53.1	337	+iP	20	25 42.3	0.2		
			PMZ		$m_b = 5.5$		1.0	0.070
			PMZ				3.1	0.43
MDJ	53.8	5	+iP	20	25 45.8	–1.2		
			PMZ		$m_b = 5.9$		0.8	0.12
WMQ	61.9	331	P	20	26 44.0	–0.5		
			PMZ		$m_b = 5.6$		1.0	0.070
			pP	20	26 53.0	–0.5		
			S	20	35 02.0	–2.0		

AUG 24d 00h 05m 57.2 ± 0.05s, SD1.22 / 120
3.80 N ± 1.22km, 95.21 E ± 0.92km, h32 ± 0.26km
Off west coast of Northern Sumatera (705)
M_S4.5 / 2, m_b4.9 / 42,

QZN	20.8	42	eP	00	10 37.6	–1.2		
			LE		$M_S = 4.2$		16.0	0.66
KMI	22.4	18	eP	00	10 55.0	–0.1		
GYA	25.1	25	P	00	11 24.4	3.8		
LSA	26.0	352	P	00	11 30.2	–0.1		
CD2	28.1	16	eP	00	11 47.3	–1.7		
WHN	32.2	32	eP	00	12 29.5	4.9		
XAN	32.7	21	P	00	12 26.0	–3.2		
GTA	35.7	6	eP	00	12 55.0	–0.2		
			PMZ		$m_b = 4.6$		1.0	0.010
TIY	37.3	23	eP	00	13 11.0	2.7		
			LN		$M_S = 4.8$		11.0	0.60
			LZ		$M_S = 4.6$		14.0	0.70
HHC	39.7	20	eP	00	13 29.0	0.2		
WMQ	40.4	352	eP	00	13 35.5	1.0		

AUG 24d 08h 03m 01.7 ± 0.05s, SD1.21 / 281
14.38 S ± 0.92km, 166.91 E ± 0.91km, h8 ± 0.16km
Vanuatu (New Hebrides) (186)
M_S5.0 / 1, m_B5.3 / 1, m_b5.3 / 49

NJ2	65.2	316	eP	08	13 45.6	–0.6		
			LZ		$M_S = 4.5$		20.0	0.30
QZN	65.3	299	P	08	13 51.6	4.9		
			eS	08	22 30.0	0.7		
MDJ	67.8	332	+P	08	14 02.5	–0.5		
			PMZ		$m_b = 5.3$		1.0	0.041
TIA	68.8	319	eP	08	14 08.7	–0.7		
CN2	69.2	329	P	08	14 10.9	–0.5		
			PMZ		$m_b = 5.3$		0.6	0.020
			eS	08	23 11.0	–5.4		
			LZ		$M_S = 5.1$		24.0	1.50
GYA	71.2	305	P	08	14 24.8	0.7		
			PMZ		$m_b = 4.8$		1.0	0.010
			S	08	23 40.0	0.8		
			LZ		$M_S = 4.8$		32.0	0.80
BJI	71.8	321	eP	08	14 27.0	–0.2		
			PMZ		$m_b = 4.6$		1.0	0.0070
			eS	08	23 44.0	–2.8		
			eSS	08	28 20.0	–2.9		
			LZ		$M_S = 5.1$		28.0	1.39
TIY	72.8	317	eP	08	14 33.2	–0.1		
			S	08	23 58.0	1.2		
			SKS	08	24 31.0	–1.9		
			LZ		$M_S = 4.8$		26.0	0.70

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XAN	73.2	313	P	08 14 31.5	−4.3			
KMI	73.8	302	eP	08 14 40.5	0.9			
			PMZ	m_b = 5.3		1.5	0.050	
HHC	75.1	320	eP	08 14 47.0	0.2			
			S	08 24 27.4	4.5			
			LZ	M_S = 5.1		30.0	1.40	
CD2	75.5	308	eP	08 14 50.0	0.8			
BTO	75.9	319	eP	08 14 52.6	1.0			
			S	08 24 36.0	3.9			
LZH	77.8	312	eP	08 15 03.5	1.2			
			PMZ	m_B = 5.3		10.0	0.32	
			sP	08 15 15.0	5.1			
			LE	M_S = 5.0		12.0	0.26	
			LZ	M_S = 4.9		24.0	0.79	
GTA	82.2	314	P	08 15 26.2	0.6			
			PMZ	m_b = 4.8		1.0	0.010	
			S	08 25 39.8	1.6			
			LZ	M_S = 4.9		24.0	0.63	
WMQ	92.2	315	P	08 16 14.0	−0.3			
			PMZ	m_b = 5.0		1.2	0.010	
			pP	08 16 22.0	2.5			
			LZ	M_S = 5.1		24.0	0.83	

AUG 24d 09h 32m 37.9 ± 0.03s, SD1.41 / 50
7.96 S ± 0.58km, 122.50 E ± 1.04km, h163 ± 0.10km
Flores region (286)
m_b5.1 / 14,

GYA	37.5	336	P	09 39 40.0	1.9			
			PcP	09 41 54.0	1.3			
CD2	42.6	336	eP	09 40 20.9	0.8			
XAN	43.7	344	P	09 40 28.0	−0.9			
HHC	49.6	349	eP	09 41 15.0	0.0			
GTA	51.6	338	P	09 41 31.0	0.7			
			PMZ	m_b = 4.5		1.0	0.010	
WMQ	60.4	332	P	09 42 33.5	0.6			

AUG 24d 11h 13m 13.5 ± 0.03s, SD1.09 / 253
6.02 S ± 0.65km, 130.39 E ± 0.91km, h90 ± 0.04km
Banda Sea (280)
m_B5.8 / 4, m_b5.5 / 59,

QZN	32.1	321	+P	11 19 33.0	−1.4			
			PMZ	m_b = 5.2		1.4	0.064	
			LN			13.0	1.14	
			LE			14.0	0.94	
QZH	32.8	340	+iP	11 19 40.6	−0.4			
			PMZ	m_b = 5.7		0.5	0.068	
			S	11 24 48.5	−1.7			
GZH	33.4	331	eP	11 19 45.0	−0.7			
			eS	11 24 54.0	−5.3			
			LN			12.0	0.88	
			LE			10.0	0.82	
			LZ			20.0	1.50	
SSE	37.9	347	−P	11 20 24.5	0.3			
			PMZ	m_b = 5.0		0.8	0.020	
			LN			14.0	1.07	
			LE			14.0	1.10	
			LZ			20.0	1.01	
NJ2	39.4	344	+P	11 20 37.5	1.0			
			PMZ	m_b = 5.7		0.8	0.10	
			pP	11 21 00.8	3.4			
			S	11 26 33.0	2.3			
			sS	11 27 05.0	−2.9			
			ScS	11 30 33.0	0.0			
WHN	39.5	338	+P	11 20 38.5	1.6			
			PMZ	m_b = 5.6		1.0	0.11	
			pP	11 21 00.0	2.2			
			ScP	11 26 20.5	−1.7			
			S	11 26 28.0	−3.4			
			LE				12.0	0.69
			LZ				16.0	0.71
GYA	39.6	326	P	11 20 39.0	0.5			
			PMZ	m_b = 5.1			1.0	0.030
			pP	11 21 00.0	0.7			
			PcP	11 22 44.4	0.6			
			ScP	11 26 22.8	−0.1			
			S	11 26 29.0	−5.0			
			sS	11 27 09.0	−2.2			
			ScS	11 30 33.0	−1.2			
			LN				14.0	0.60
			LE				14.0	1.10
			LZ				28.0	2.50
KMI	41.0	320	+P	11 20 51.0	1.0			
			PMZ	m_b = 5.4			1.5	0.10
			pP	11 21 14.5	3.9			
			sP	11 21 27.0	5.4			
			PMZ	m_B = 5.5			4.0	0.30
			S	11 26 52.0	−2.5			
			LZ				18.0	0.70
TIA	43.8	344	+P	11 21 12.3	−0.3			
			PMZ	m_b = 4.9			1.0	0.020
			ScP	11 26 37.4	−2.0			
			S	11 27 31.4	−4.0			
CD2	44.7	327	eP	11 21 18.8	−0.9			
			pP	11 21 42.6	1.9			
			ScP	11 26 43.0	0.0			
			PcS	11 26 53.0	0.4			
			S	11 27 48.0	−0.1			
			sS	11 28 24.0	−1.9			
			ScS	11 31 00.5	−4.4			
XAN	44.7	334	P	11 21 19.0	−0.9			
			S	11 27 43.0	−5.5			
			LN				10.0	0.67
DL2	45.4	350	P	11 21 27.0	1.5			
			S	11 27 56.0	−2.7			
			LN				12.0	1.02
			LE				12.0	1.67
			LZ				20.0	0.62
TIY	46.6	340	+iP	11 21 34.8	−0.2			
			PMZ	m_b = 5.6			0.7	0.060
			pP	11 21 58.0	1.9			
			sP	11 22 09.0	2.2			
			S	11 28 13.0	−2.6			
			ScS	11 31 18.0	0.7			
			LZ				17.0	0.84
BJI	47.7	345	eP	11 21 43.0	−0.1			
			PMZ	m_b = 5.2			0.8	0.024
			eScP	11 26 54.5	−0.9			
			eS	11 28 26.0	−5.4			
			eScS	11 31 24.0	−0.1			
			eSS	11 31 52.0	−2.3			
			LZ				20.0	0.60
SNY	48.0	353	+P	11 21 44.0	−1.9			
			SS	11 31 54.0	−6.4			
			LN				10.5	0.63
			LZ				22.0	1.32
LZH	48.7	331	+iP	11 21 52.0	0.5			
			PMZ	m_b = 5.7			2.0	0.18
			PMZ	m_B = 5.7			6.0	0.57
			pP	11 22 16.0	3.3			
			sP	11 22 27.0	3.6			
			PcP	11 23 17.0	2.2			
			ePP	11 23 44.0	−1.4			
			ScP	11 26 59.0	−0.9			
			iS	11 28 41.0	−5.7			
			SME				7.0	1.45
			sS	11 29 24.0	0.4			

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			eScS	11 31 32.0	0.9			
			eSS	11 32 07.0	−5.3			
			LN			12.0	0.57	
			LE			12.0	0.46	
			LZ			28.0	1.20	
HHC	49.7	341	+P	11 21 58.0	−1.3			
			S	11 29 00.0	0.7			
			LZ			19.0	0.86	
CN2	49.8	355	P	11 21 58.8	−0.7			
			PMZ	m_b = 5.5		0.6	0.040	
			pP	11 22 25.0	4.1			
			sP	11 22 36.0	4.5			
			ScP	11 27 03.0	−1.3			
			S	11 28 54.0	−6.0			
			ScS	11 31 36.0	−2.2			
MDJ	50.4	359	eP	11 22 04.0	−0.2			
			PMZ	m_b = 5.5		1.0	0.055	
LSA	51.8	316	P	11 22 15.8	0.8			
			pP	11 22 39.0	2.9			
			iS	11 29 25.0	−4.2			
			SMN			5.0	0.89	
GTA	53.3	331	+iP	11 22 26.2	0.0			
			PMZ	m_b = 5.2		1.0	0.030	
			PMZ			3.1	0.43	
			pP	11 22 49.0	1.4			
			sP	11 23 00.0	1.8			
			PP	11 24 35.6	6.9			
			ScP	11 27 19.2	−0.2			
			S	11 29 45.0	−3.2			
			sS	11 30 29.0	2.1			
			ScS	11 32 03.2	0.8			
			LE			12.0	0.49	
			LZ			16.0	0.87	
WMQ	62.8	327	+iP	11 23 32.4	0.0			
			PMZ	m_b = 5.8		1.0	0.13	
			PMZ	m_B = 6.1		4.0	1.03	
			pP	11 23 57.4	2.9			
			PcP	11 24 09.0	0.1			
			PP	11 25 58.0	5.9			
			S	11 31 50.0	−1.7			
			sS	11 32 35.0	3.6			
			ScS	11 33 10.0	−1.6			
			SS	11 35 56.0	−4.1			
			LZ			20.0	0.93	
KSH	67.6	317	P	11 24 03.0	−0.4			
			PMZ			3.0	1.10	
			pP	11 24 28.0	2.3			
			S	11 32 51.0	0.3			

AUG 24d 12h 41m 33.2 ± 0.06s, SD2.11 / 16
14.46 N ± 0.63km, 119.74 E ± 0.48km, h42 ± 0.52km
Philippine Islands region (248)
m_b4.4 / 2,

XAN	21.8	335	eP	12 46 23.0	−0.9			
CD2	22.0	321	eP	12 46 22.4	−3.2			
LZH	25.8	329	eP	12 47 06.0	3.2			
			PMZ	m_b = 4.7		1.0	0.018	
			LZ	M_S = 3.9		16.0	0.25	

AUG 24d 17h 45m 23.4 ± 0.05s, SD1.91 / 86
38.55 N ± 0.90km, 75.10 E ± 0.79km, h33 ± 0.22km
Tadzhikistan–Xinjiang border region (719)
M_S4.5 / 8, M_L5.0 / 2, m_B5.3 / 3,

KSH	1.2	33	Pg	17 45 43.3	−1.4			
			Sg	17 46 00.0	−0.9			
			SMN	M_L = 4.8		0.3	16.9	
			SME			0.3	21.3	
WMQ	10.9	57	P	17 47 58.0	−1.8			
			PMZ	m_b = 5.1		1.0	0.040	
			PMZ	m_B = 5.7		4.0	0.72	
			LN	M_S = 4.8		20.0	4.66	
			LE			20.0	4.90	
			LZ	M_S = 4.2		16.0	1.85	
LSA	15.9	119	P	17 49 09.5	2.0			
GTA	19.2	80	P	17 49 47.4	−0.5			
			PMZ	m_b = 4.8		1.4	0.060	
			PMZ	m_B = 5.1		5.0	0.49	
			pP	17 49 55.6	0.2			
			sP	17 50 00.0	0.0			
			S	17 53 18.0	1.3			
			sS	17 53 35.0	5.5			
			LE	M_S = 4.7		9.5	1.15	
			LZ	M_S = 4.2		16.0	0.87	
LZH	23.0	87	eP	17 50 26.7	0.4			
			PMZ	m_b = 4.8		1.5	0.057	
			pP	17 50 37.5	2.5			
			LN	M_S = 4.4		10.0	0.48	
			LZ	M_S = 4.1		16.0	0.49	
CD2	24.7	99	eP	17 50 47.1	4.1			
BTO	26.9	75	eP	17 51 05.0	1.3			
			esP	17 51 13.0	−3.7			
			LN	M_S = 4.5		11.0	0.30	
			LE			11.0	0.50	
			LZ	M_S = 4.4		11.0	0.50	
XAN	27.5	89	eP	17 51 09.0	−0.6			
HHC	28.0	74	eP	17 51 14.8	0.7			
			LZ	M_S = 4.3		15.0	0.59	
TIY	29.3	80	eP	17 51 25.6	0.6			
			LZ	M_S = 4.3		16.0	0.60	
BJI	31.6	74	P	17 51 46.0	0.1			
			LZ	M_S = 4.4		16.0	0.58	
WHN	33.1	92	eP	17 51 57.0	−1.8			
NJ2	36.0	87	eP	17 52 24.0	0.1			
CN2	37.8	66	eP	17 52 38.4	−0.3			
MDJ	40.6	63	eP	17 53 01.8	0.0			

AUG 24d 21h 30m 15.1 ± 0.05s, SD1.03 / 60
4.03 S ± 0.35km, 129.21 E ± 0.54km, h146 ± 0.63km
Banda Sea (280)
m_b5.2 / 14,

QZN	29.8	321	eP	21 36 11.4	0.5			
NJ2	37.2	345	+P	21 37 15.0	0.7			
CD2	42.4	327	eP	21 37 57.0	−0.2			
XAN	42.4	335	eP	21 37 56.5	−1.0			
TIY	44.4	341	−P	21 38 12.6	−0.5			
LZH	46.4	331	eP	21 38 30.0	0.4			
			PMZ	m_b = 5.1		1.5	0.054	
			pP	21 38 59.0	−2.8			
LSA	49.5	315	P	21 38 54.6	0.7			
GTA	51.0	331	−iP	21 39 04.9	0.1			
			PMZ	m_b = 4.9		1.0	0.020	
WMQ	60.5	327	P	21 40 12.0	−0.6			

AUG 25d 05h 00m 59.5 ± 0.05s, SD1.09 / 223
5.64 N ± 0.93km, 94.07 E ± 0.63km, h45 ± 0.20km
Off west coast of Northern Sumatera (705)
M_S5.1 / 38, m_B5.7 / 2, m_b5.1 / 97

QZN	20.3	48	+P	05 05 35.7	0.9			
			PMZ	m_b = 4.7		1.0	0.042	
			LN	M_S = 5.1		16.0	3.76	
			LE			17.0	2.89	
KMI	21.1	22	eP	05 05 43.5	0.5			
			PMZ	m_b = 5.1		1.5	0.13	
			LE	M_S = 4.6		9.0	0.90	
			LZ	M_S = 4.2		20.0	0.90	
GYA	23.9	29	P	05 06 12.2	1.4			

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			PMZ		$m_b = 5.3$		1.0	0.14
			pP	05 06 24.0		2.3		
			PP	05 06 50.0		5.4		
			LN		$M_S = 5.0$		12.0	2.10
			LE				12.0	1.30
			LZ		$M_S = 4.4$		12.0	0.80
LSA	24.1	354	P	05 06 12.2		−0.4		
			sS	05 10 41.0		−1.1		
			SMN				4.0	0.57
GZH	25.4	45	eP	05 06 26.0		1.1		
			LN		$M_S = 5.2$		14.0	3.44
			LE				15.0	1.88
			LZ		$M_S = 5.1$		14.0	4.14
CD2	26.7	19	eP	05 06 35.8		−1.3		
			PMZ		$m_b = 5.3$		0.9	0.065
			eS	05 11 11.0		3.4		
			LE		$M_S = 5.0$		11.0	1.94
			LZ		$M_S = 4.8$		8.0	1.06
WHN	31.3	35	eP	05 07 17.0		−0.7		
			S	05 12 24.0		5.1		
			LN		$M_S = 5.2$		12.0	1.55
			LE				12.0	1.83
			LZ		$M_S = 4.9$		10.0	1.27
XAN	31.4	24	+P	05 07 17.5		−1.7		
			LN		$M_S = 5.1$		9.0	0.73
			LE				11.0	1.47
LZH	31.6	15	+P	05 07 19.5		−1.3		
			PMZ		$m_b = 5.6$		1.2	0.12
			PMZ		$m_B = 5.4$		5.0	0.33
			pP	05 07 29.5		−2.4		
			sP	05 07 33.5		−3.4		
			ePP	05 08 26.0		0.8		
			eS	05 12 27.0		1.6		
			esS	05 12 43.0		−1.5		
			LN		$M_S = 5.0$		11.0	0.92
			LE				11.0	1.02
			LZ		$M_S = 4.7$		25.0	2.18
GTA	34.0	8	+iP	05 07 40.8		−0.9		
			PMZ		$m_b = 5.1$		1.0	0.030
			pP	05 07 49.8		−3.2		
			LE		$M_S = 4.8$		12.0	0.77
			LZ		$M_S = 4.6$		24.0	1.25
NJ2	35.0	38	+P	05 07 50.0		−0.3		
			PMZ		$m_b = 5.4$		1.0	0.063
			LN		$M_S = 5.2$		11.0	1.11
			LE				11.0	1.33
			LZ		$M_S = 4.9$		12.0	1.23
SSE	35.9	42	+P	05 08 01.0		3.4		
			PMZ		$m_b = 5.0$		1.0	0.024
			LN		$M_S = 5.1$		12.0	1.12
			LE				13.0	1.13
			LZ		$M_S = 4.8$		20.0	1.47
TIY	36.0	25	+P	05 08 02.3		3.3		
			LN		$M_S = 5.0$		11.0	1.10
			LZ		$M_S = 5.1$		13.0	2.16
TIA	37.1	32	−P	05 08 07.8		0.3		
			LE		$M_S = 4.9$		12.0	0.97
			LZ		$M_S = 4.8$		18.0	1.29
KSH	37.5	337	eP	05 08 08.0		−3.2		
			LN		$M_S = 5.4$		14.0	1.00
			LE				16.0	3.50
BTO	37.6	20	eP	05 08 11.7		−0.7		
			epP	05 08 23.5		−0.3		
			LN		$M_S = 5.1$		14.0	0.60
			LE				14.0	1.50
HHC	38.4	22	P	05 08 19.2		0.4		
			PMZ		$m_b = 5.5$		1.2	0.098
			LZ		$M_S = 4.9$		18.0	1.57
WMQ	38.4	353	P	05 08 19.0		0.0		
			PMZ		$m_b = 5.4$		1.0	0.060
			PMZ		$m_B = 5.9$		4.0	0.88
			pP	05 08 35.0		4.6		
			S	05 14 12.0		2.6		
			LZ		$M_S = 4.7$		24.0	1.25
BJI	39.6	27	eP	05 08 29.0		0.4		
			PMZ		$m_b = 4.7$		0.8	0.010
			eS	05 14 28.0		−0.1		
			LN		$M_S = 5.2$		21.0	2.59
			LZ		$M_S = 4.5$		20.0	0.66
DL2	41.5	33	P	05 08 45.6		1.7		
			PMZ		$m_b = 5.7$		1.0	0.11
SNY	44.6	32	−P	05 09 09.1		−0.3		
			PMZ		$m_b = 5.0$		1.0	0.023
			LZ		$M_S = 4.7$		18.0	0.77
CN2	47.0	31	eP	05 09 27.6		−0.6		
			PMZ		$m_b = 5.1$		0.8	0.020
			epP	05 09 35.0		−4.9		
			eS	05 16 22.0		6.7		
			LN		$M_S = 5.1$		12.0	0.70
			LE				12.0	0.60
			LZ		$M_S = 5.2$		16.0	2.40
MDJ	49.7	33	eP	05 09 48.6		−0.9		
			PMZ		$m_b = 5.2$		1.0	0.033

AUG 25d 06h 40m 05.8 ± 0.05s, SD1.21 / 213
21.32 S ± 1.26km, 174.12 W ± 0.85km, h33 ± 0.08km
Tonga (173)
M_S5.4 / 8, m_B6.1 / 22, m_b5.5 / 49

SSE	81.0	308	+P	06 52 19.0		−0.7		
			PMZ		$m_b = 5.3$		1.0	0.037
			PMZ		$m_B = 5.6$		7.0	0.56
			LE		$M_S = 5.3$		18.0	0.72
			LZ		$M_S = 4.9$		20.0	0.55
NJ2	83.2	308	+P	06 52 31.0		0.0		
			PMZ		$m_b = 6.7$		1.2	1.05
			PMZ		$m_B = 6.0$		5.0	0.85
			LZ		$M_S = 4.6$		21.0	0.30
GZH	83.3	298	+iP	06 52 33.0		1.6		
MDJ	83.3	323	+P	06 52 31.7		0.2		
			PMZ		$m_b = 5.8$		1.4	0.15
			PMZ		$m_B = 6.3$		4.0	1.23
			LE		$M_S = 5.7$		20.0	2.09
			LZ		$M_S = 5.8$		20.0	3.73
QZN	84.5	293	P	06 52 38.0		0.4		
			LE		$M_S = 5.6$		12.0	0.92
DL2	84.8	315	−P	06 52 38.0		−1.2		
			PMZ		$m_B = 6.2$		4.0	0.91
			eS	07 03 03.0		−1.3		
CN2	85.2	321	+iP	06 52 41.0		0.0		
			PMZ		$m_b = 5.8$		1.6	0.15
			PMZ		$m_B = 6.2$		4.0	1.00
			eS	07 03 08.0		0.2		
			LN		$M_S = 5.5$		20.0	0.60
			LE				20.0	1.00
			LZ		$M_S = 5.5$		20.0	1.80
SNY	85.2	318	+iP	06 52 41.0		0.0		
			PMZ		$m_B = 6.3$		4.0	1.10
			S	07 03 10.0		3.9		
			LZ		$M_S = 5.1$		18.0	0.80
WHN	85.9	305	+P	06 52 45.0		0.7		
			PMZ		$m_B = 6.2$		4.0	1.01
TIA	86.5	311	+P	06 52 47.4		−0.1		
			PMZ		$m_B = 6.1$		4.0	0.72
			S	07 03 15.0		−4.0		
BJI	89.0	314	eP	06 52 59.0		−0.6		
			PMZ				3.0	0.54

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			SKS	07 03 28.0	4.4			
			LZ	M_S=5.2		18.0	0.89	
GYA	90.2	298	P	06 53 06.4	1.1			
			PMZ	m_b=5.6		1.4	0.060	
			PMZ	m_B=6.3		4.0	0.90	
			sS	07 04 10.0	−1.1			
TIY	90.5	311	+P	06 53 07.4	0.6			
			LZ	M_S=5.3		16.0	0.95	
XAN	91.5	306	P	06 53 11.5	0.2			
			SKS	07 03 43.0	4.7			
HHC	92.5	313	P	06 53 16.8	0.7			
			PMZ	m_b=5.5		1.1	0.028	
			LZ	M_S=5.5		18.0	1.57	
KMI	93.0	296	+P	06 53 20.0	1.9			
			PMZ	m_b=6.3		1.5	0.21	
			PMZ	m_B=6.3		4.0	0.60	
			pP	06 53 32.5	4.9			
BTO	93.5	312	eP	06 53 20.6	0.2			
			ePP	06 57 12.0	5.3			
CD2	94.3	301	eP	06 53 25.1	1.1			
LZH	96.2	306	P	06 53 33.0	0.4			
			PMZ	m_b=6.0		2.0	0.081	
			PMZ	m_B=6.3		4.0	0.38	
			pP	06 53 42.0	−0.1			
			ePP	06 57 29.0	2.0			
			SKS	07 04 06.0	2.1			
			eS	07 04 49.0	2.0			
			LE	M_S=5.2		15.0	0.40	
			LZ	M_S=4.8		30.0	0.53	
GTA	100.3	308	P	06 53 52.0	0.6			
			pP	06 54 01.0	0.1			
			LZ	M_S=5.2		18.0	0.60	

AUG 25d 06h 49m 11.6±0.04s, SD1.33/19
6.46 S±0.58km, 154.48 E±0.43km, h58±0.40km
New Britain region (192)
m_b5.0/5,

CD2	61.1	311	eP	06 59 22.1	−0.5			
			PMZ	m_b=5.4		1.0	0.044	
LZH	63.6	316	P	06 59 39.5	0.1			
			PMZ	m_b=5.0		1.5	0.030	
LSA	70.6	304	P	07 00 24.6	1.0			

AUG 25d 09h 40m 45.8±0.07s, SD3.95/6
42.87 N±0.65km, 87.81 E±0.52km, h33±0.22km
Northern Xinjiang Province (332)
M_L3.3/5,

WMQ	0.9	355	Pn	09 41 04.6	1.2			
			Sg	09 41 19.8	2.9			
			SMN	M_L=2.4		0.4	0.080	
			SME			0.4	0.11	

AUG 25d 13h 24m 54.7±0.07s, SD2.84/13
42.34 N±0.68km, 82.95 E±0.65km, h6±0.10km
Southern Xinjiang Province (321)
M_L4.0/8,

WMQ	3.8	65	Pn	13 25 56.6	2.6			
			Sg	13 26 54.2	0.9			
			SMN	M_L=3.9		0.8	0.33	
			SME			0.6	0.28	
GTA	13.1	97	eP	13 28 02.4	−2.0			
			sP	13 28 14.0	2.5			

AUG 25d 18h 22m 34.2±0.06s, SD3.01/9
42.90 N±0.56km, 83.51 E±0.51km, h21±0.05km
Northern Xinjiang Province (332)
M_L3.3/8,

WMQ	3.2	72	ePg	18 23 31.0	0.1			
			Sn	18 24 06.4	3.4			
			SMN	M_L=2.9		0.4	0.040	
			SME			0.4	0.040	

AUG 26d 03h 41m 19.2±0.05s, SD2.58/22
38.49 N±0.73km, 75.40 E±0.79km, h29±0.39km
Tadzhikistan−Xinjiang border region (719)
M_L4.4/3, m_b4.2/5,

KSH	1.1	21	−Pn	03 41 37.0	−2.4			
			SMN	M_L=4.4		0.5	6.60	
			SME			0.5	10.3	
WMQ	10.7	56	eP	03 43 51.0	−2.8			
			SMN			1.0	0.030	
			SME			0.8	0.020	
GTA	19.0	80	eP	03 45 41.7	0.0			
			PMZ	m_b=4.2		0.8	0.010	

AUG 26d 08h 16m 18.9±0.06s, SD1.74/51
17.75 S±1.39km, 115.95 W±1.94km, h9±0.43km
Easter Island Cordillera (684)
m_b4.9/12,

LZH	140.4	306	ePKP	08 35 49.5	−0.5			
CD2	141.7	298	ePKP	08 35 52.7	0.6			
GTA	142.2	312	ePKP	08 35 48.6	−4.5			
			pPKP	08 35 56.4	1.6			
WMQ	147.2	328	PKP	08 36 03.0	1.4			

AUG 26d 08h 26m 02.3±0.08s, SD3.42/7
41.62 N±0.59km, 123.89 E±0.57km, h38±0.40km
North−Eastern China (658)
M_L3.2/6,

SNY	0.3	312	+iPg	08 26 10.6	0.1			
			Sg	08 26 18.4	1.6			
			SMN	M_L=2.6		0.4	0.61	
			SME			0.2	0.59	
CN2	2.5	27	ePn	08 26 43.4	3.2			
			ePg	08 26 50.5	4.3			
			Sn	08 27 13.0	2.8			
			Sg	08 27 19.4	−0.9			
			SMN	M_L=3.5		0.4	0.24	
			SME			0.4	0.27	
DL2	3.2	213	ePg	08 26 59.2	−0.2			
			Sg	08 27 39.1	−4.4			
			SMN	M_L=3.7		0.7	0.20	
			SME			0.7	0.26	

AUG 26d 10h 01m 59.5±0.05s, SD1.21/270
19.00 N±0.70km, 80.85 W±0.68km, h11±0.16km
Caribbean Sea (94)
M_S5.6/2, m_b5.2/66,

HHC	119.4	349	ePKP	10 20 54.8	4.5			
GTA	121.9	359	ePKP	10 20 57.0	1.8			
			LN	M_S=5.1		17.0	0.21	
			LZ	M_S=5.8		18.0	1.75	
XAN	126.4	350	ePKP	10 21 07.2	3.3			
CD2	130.2	355	ePKP	10 21 13.6	2.5			
			LN	M_S=6.1		15.0	1.60	
			LZ	M_S=5.5		20.0	0.90	

AUG 26d 10h 18m 42.6±0.08s, SD2.18/30
24.17 N±0.80km, 121.59 E±0.82km, h26±0.09km
Taiwan (244)
M_S3.9/9, M_L4.3/11, m_b5.0/8

QZH	2.8	286	−Pn	10 19 27.9	1.2			
			Sn	10 19 59.4	−2.3			
			SMN	M_L=3.7		0.3	0.44	
			SME			0.8	0.23	
SSE	6.9	357	P	10 20 24.5	−0.4			

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			PMZ		$m_b = 4.6$		0.8	0.031
			SMN		$M_L = 4.3$		1.5	0.17
			SME				1.0	0.095
			LE		$M_S = 3.9$		5.0	0.45
			LZ		$M_S = 3.6$		12.0	0.54
NJ2	8.2	344	+P	10 20 42.8		−0.3		
			PMZ		$m_b = 5.5$		0.8	0.14
			S	10 22 10.5		−5.3		
			SMN		$M_L = 4.8$		1.0	0.25
			SME				1.0	0.18
			LE		$M_S = 4.0$		5.0	0.45
			LZ		$M_S = 3.6$		12.0	0.43
WHN	9.0	316	eP	10 20 57.5		2.9		
			eS	10 22 33.5		−3.0		
			SMN				1.0	0.070
			SME				1.0	0.050
			LE		$M_S = 3.7$		12.0	0.46
QZN	12.1	247	eP	10 21 40.4		4.4		
			eS	10 23 51.0		0.3		
GYA	13.7	283	P	10 21 53.0		−4.8		
			LN		$M_S = 4.3$		8.0	0.70
			LE				8.0	0.10
HHC	18.6	336	eP	10 22 56.6		−4.3		
			LN		$M_S = 4.5$		15.0	0.65
			LE				15.0	1.09
			LZ		$M_S = 4.3$		25.0	1.52
LZH	19.4	312	eP	10 23 09.0		−0.6		
			PMZ		$m_b = 4.4$		1.5	0.028
			pP	10 23 12.3		−3.9		
			LE		$M_S = 3.9$		11.0	0.23
			LZ		$M_S = 3.9$		17.0	0.44
CN2	19.8	8	eP	10 23 13.0		−1.5		

AUG 26d 14h 59m 46.2 ± 0.03s, SD1.06 / 500
42.14 N ± 0.84km, 144.56 E ± 0.62km, h45 ± 0.14km
Hokkaido region (224)
M_S5.4 / 59, m_B5.8 / 36, m_b5.6 / 146

MDJ	11.2	288	eP	15 02 26.5		0.2		
			PMZ		$m_b = 5.9$		0.8	0.17
			PMZ		$m_B = 6.2$		4.0	2.06
			sP	15 02 38.5		−2.0		
			LN		$M_S = 5.2$		12.0	1.81
			LE				13.0	10.9
CN2	14.1	283	eP	15 03 04.6		−0.6		
			PMZ		$m_b = 5.5$		1.0	0.090
			PMZ		$m_B = 5.8$		4.0	0.70
			epP	15 03 14.0		0.4		
			LN		$M_S = 5.7$		17.0	11.5
			LE				17.0	34.7
			LZ		$M_S = 5.8$		20.0	68.2
SNY	15.6	276	−P	15 03 24.0		−0.8		
			PMZ		$m_b = 4.7$		1.2	0.046
			sP	15 03 41.0		1.7		
			S	15 06 20.0		4.6		
			LN		$M_S = 5.3$		14.0	9.92
			LE				18.0	6.17
			LZ		$M_S = 5.1$		20.0	11.7
DL2	17.7	267	eP	15 03 49.0		−2.4		
			PMZ		$m_b = 5.6$		0.8	0.25
			PMZ				3.0	1.49
			sP	15 04 05.0		−1.2		
			sS	15 07 21.0		1.6		
			LN		$M_S = 5.2$		12.0	5.09
			LZ		$M_S = 5.0$		16.0	5.88
BJI	21.5	274	eP	15 04 30.5		−2.4		
			PMZ		$m_b = 5.2$		2.0	0.27
			epP	15 04 46.5		2.8		
			eS	15 08 24.0		1.0		
			esS	15 08 36.0		−4.7		
			eScS	15 15 51.0		1.9		
			LN		$M_S = 5.3$		14.0	6.80
			LZ		$M_S = 5.4$		18.0	13.6
SSE	21.7	247	−P	15 04 35.0		−0.2		
			PMZ		$m_b = 4.6$		0.7	0.020
			PMZ		$m_B = 5.4$		5.0	0.99
			sP	15 04 50.0		−1.1		
			PP	15 05 04.0		4.0		
			S	15 08 28.0		1.3		
			sS	15 08 41.0		−4.1		
			SS	15 08 59.0		−5.9		
			LN		$M_S = 5.5$		13.0	4.28
			LE				15.0	8.21
			LZ		$M_S = 5.3$		20.0	11.2
TIA	22.0	264	−P	15 04 36.7		−1.9		
			PMZ		$m_b = 5.0$		1.0	0.080
			PMZ		$m_B = 5.4$		5.0	0.94
			sP	15 04 50.0		−4.5		
			S	15 08 36.0		3.1		
			LN		$M_S = 5.3$		13.0	2.75
			LE				15.0	4.89
			LZ		$M_S = 5.1$		18.0	6.20
NJ2	22.8	252	−P	15 04 44.0		−1.9		
			PMZ		$m_b = 5.0$		0.8	0.053
			PMZ		$m_B = 5.7$		4.0	1.42
			sP	15 04 59.0		−2.8		
			S	15 08 48.0		1.7		
			LN		$M_S = 5.8$		16.0	14.2
			LE				15.0	11.5
			LZ		$M_S = 5.3$		18.0	9.69
HHC	24.7	278	+P	15 05 04.6		0.1		
			PMZ		$m_b = 4.8$		1.0	0.041
			sP	15 05 19.0		−1.3		
			S	15 09 19.0		−0.3		
			LZ		$M_S = 5.5$		18.0	13.5
TIY	24.9	271	eP	15 05 07.0		−0.2		
			PMZ		$m_B = 5.7$		5.0	1.43
			S	15 09 30.0		6.0		
			LN		$M_S = 5.3$		15.0	3.93
			LE				17.0	4.56
			LZ		$M_S = 5.3$		18.0	8.38
BTO	25.9	278	eP	15 05 15.4		−0.5		
			PMZ		$m_B = 5.8$		5.0	1.10
			sP	15 05 30.0		−1.8		
			ePP	15 05 56.0		−0.4		
			S	15 09 41.0		1.8		
			sS	15 09 57.0		−1.9		
			SS	15 10 46.0		−0.3		
			LN		$M_S = 5.6$		16.0	8.00
			LE				17.0	6.40
WHN	26.8	254	−iP	15 05 25.0		0.6		
			PMZ		$m_b = 5.9$		0.6	0.16
			PMZ		$m_B = 6.1$		4.0	1.78
			sP	15 05 40.5		0.0		
			S	15 10 00.0		5.4		
			LN		$M_S = 5.7$		15.0	6.97
			LE				16.0	10.9
			LZ		$M_S = 5.4$		18.0	8.43
QZH	27.5	240	eP	15 05 28.5		−1.9		
			PMZ		$m_b = 5.3$		0.7	0.047
			PMZ		$m_B = 6.1$		4.0	1.73
			S	15 10 12.0		6.9		
			LE		$M_S = 5.4$		18.0	6.23
			LZ		$M_S = 5.3$		18.0	7.23
XAN	29.0	266	−iP	15 05 43.2		−1.3		
			PMZ		$m_b = 5.1$		1.0	0.040
			PMZ		$m_B = 5.8$		4.0	0.74

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			LN		$M_S=5.5$		16.0	3.66
			LE				14.0	4.93
LZH	31.9	273	-iP	15 06 11.5		1.0		
			PMZ		$m_b=6.2$		1.5	0.57
			PMZ		$m_B=5.8$		6.0	1.07
			sP	15 06 25.0		-1.4		
			PP	15 07 15.0		-1.2		
			eS	15 11 13.0		-4.3		
			sS	15 11 35.0		-1.4		
			ScP	15 12 37.5		0.2		
			PcS	15 12 47.5		5.1		
			LE		$M_S=5.3$		16.0	4.31
			LZ		$M_S=5.4$		18.0	6.49
GZH	32.2	244	P	15 06 13.6		1.2		
			PMZ		$m_b=5.9$		1.6	0.31
			PMZ		$m_B=6.1$		4.0	1.14
			S	15 11 26.5		6.6		
			LN		$M_S=5.8$		16.0	10.0
			LE				16.0	4.91
			LZ		$M_S=5.4$		18.0	7.02
GTA	33.7	281	-iP	15 06 26.2		0.5		
			PMZ		$m_b=5.2$		1.0	0.040
			PMZ		$m_B=5.5$		6.0	0.43
			pP	15 06 34.8		-2.1		
			sP	15 06 39.8		-2.0		
			PP	15 07 39.8		1.5		
			PcP	15 09 05.0		1.1		
			ScP	15 12 48.4		5.0		
			S	15 11 42.0		-1.6		
			sS	15 11 59.0		-4.9		
			PcS	15 12 52.4		3.8		
			ScS	15 16 48.4		4.9		
			LE		$M_S=5.5$		17.0	5.53
			LZ		$M_S=5.5$		18.0	7.98
CD2	34.4	264	-iP	15 06 31.4		0.2		
			PMZ		$m_b=6.0$		0.8	0.20
			PMZ		$m_B=6.2$		4.0	1.40
			PP	15 07 42.7		-3.7		
			eS	15 11 54.2		-0.5		
			sS	15 12 13.7		-0.2		
			LN		$M_S=5.7$		14.0	7.20
			LZ		$M_S=5.4$		17.0	5.90
GYA	34.7	255	-P	15 06 34.6		0.5		
			PMZ		$m_b=5.8$		1.4	0.20
			PMZ				3.0	1.30
			sP	15 06 50.0		-0.2		
			PP	15 07 51.0		0.2		
			PcP	15 09 07.0		0.3		
			S	15 12 00.0		1.3		
			sS	15 12 20.0		1.0		
			LN		$M_S=5.7$		15.0	6.80
			LE				15.0	5.20
			LZ		$M_S=5.3$		18.0	4.90
QZN	37.3	243	-P	15 06 58.5		2.0		
			PMZ		$m_b=5.1$		1.0	0.030
			PMZ		$m_B=5.8$		4.5	0.79
			S	15 12 44.0		4.3		
			LN		$M_S=5.7$		16.0	5.45
			LE				15.0	4.73
KMI	38.3	257	-iP	15 07 06.0		1.3		
			PMZ		$m_b=6.2$		2.0	0.80
			PMZ				3.0	1.50
			pP	15 07 15.5		-0.4		
			S	15 12 58.0		4.0		
			LN		$M_S=5.0$		15.0	0.80
			LE				15.0	1.10
			LZ		$M_S=5.2$		18.0	3.00
WMQ	40.9	292	P	15 07 27.0		0.6		
			PMZ		$m_b=5.2$		1.0	0.040
			sP	15 07 40.0		-2.8		
			ScS	15 17 29.0		5.0		
			LN		$M_S=5.8$		14.0	4.52
			LE				14.0	6.10
			LZ		$M_S=5.8$		18.0	13.1
LSA	44.3	272	P	15 07 56.2		1.6		
			S	15 14 29.0		5.4		
			SMN				6.0	0.88
			LN		$M_S=5.4$		15.0	1.82
			LE				16.0	1.63
KSH	50.7	291	P	15 08 46.0		1.9		
			S	15 15 56.0		2.5		
			LN		$M_S=6.1$		15.0	3.60
			LE				13.0	7.60

AUG 26d 20h 42m 31.7 ± 0.04s, SD1.23 / 320
6.89 N ± 0.84km, 94.42 E ± 0.77km, h27 ± 0.15km
Nicobar Islands region (704)
M_S5.9 / 51, m_B5.6 / 20, m_b5.2 / 99

QZN	19.3	50	eP	20 46 57.6		0.6		
			PMZ		$m_b=4.9$		0.9	0.050
			S	20 50 33.0		6.3		
			LN		$M_S=6.1$		11.0	28.0
			LE				12.0	20.3
KMI	19.8	23	-P	20 47 05.0		1.4		
			pP	20 47 10.5		-0.3		
			sS	20 50 51.0		0.0		
			LN		$M_S=5.5$		8.0	1.70
			LE				8.0	6.80
			LZ		$M_S=4.7$		18.0	2.90
GYA	22.7	30	-P	20 47 35.0		2.3		
			PMZ		$m_b=5.1$		1.2	0.090
			PMZ		$m_B=5.7$		5.0	1.60
			PP	20 48 02.0		1.3		
			S	20 51 40.0		6.0		
			LN		$M_S=5.9$		12.0	13.0
			LE				12.0	12.0
			LZ		$M_S=5.3$		16.0	7.80
LSA	22.9	353	P	20 47 34.8		-0.4		
			LN		$M_S=5.6$		7.0	3.51
			LE				8.0	4.56
GZH	24.3	47	P	20 47 50.7		2.4		
			PMZ		$m_b=5.5$		1.3	0.22
			S	20 52 09.0		6.6		
			LN		$M_S=6.3$		13.0	42.5
			LE				13.0	21.3
			LZ		$M_S=5.7$		14.0	16.8
CD2	25.4	19	-iP	20 47 59.3		0.0		
			PMZ		$m_b=5.4$		1.0	0.10
			PMZ		$m_B=5.7$		5.0	1.00
			S	20 52 25.2		3.6		
			LE		$M_S=6.3$		9.0	31.8
			LZ		$M_S=5.9$		14.0	24.6
QZH	29.3	49	eP	20 48 30.0		-4.1		
			eS	20 53 20.0		-4.3		
			LN		$M_S=6.3$		18.0	48.0
			LE				18.0	27.5
			LZ		$M_S=5.4$		20.0	9.33
WHN	30.1	36	eP	20 48 43.5		2.4		
			S	20 53 38.0		2.1		
			LN		$M_S=5.9$		15.0	9.84
			LE				15.0	12.3
			LZ		$M_S=5.0$		20.0	3.75
LZH	30.3	15	eP	20 48 43.5		-0.1		
			PMZ		$m_b=5.4$		1.8	0.12
			PMZ		$m_B=5.4$		6.0	0.43
			pP	20 48 52.5		0.9		

			sP	20 48 57.5	2.2			
			PP	20 49 46.0	3.7			
			eS	20 53 38.0	−3.2			
			LN		$M_S = 5.8$		12.0	5.93
			LE				12.0	6.82
			LZ		$M_S = 5.4$		15.0	6.54
GTA	32.7	8	P	20 49 04.4	−0.6			
			PMZ		$m_b = 5.1$		0.6	0.020
			PMZ		$m_B = 5.3$		8.0	0.43
			pP	20 49 09.8	−3.2			
			sP	20 49 12.6	−3.9			
			PP	20 50 10.0	−3.9			
			S	20 54 18.0	0.0			
			sS	20 54 28.0	−4.6			
			LE		$M_S = 5.5$		13.0	4.79
			LZ		$M_S = 5.2$		22.0	5.45
NJ2	33.8	39	eP	20 49 14.6	0.3			
			S	20 54 40.0	4.9			
			LN		$M_S = 6.1$		14.0	13.7
			LE				14.0	13.1
			LZ		$M_S = 5.4$		12.0	4.49
SSE	34.7	43	−P	20 49 23.8	1.8			
			PMZ		$m_b = 4.8$		1.2	0.017
			pP	20 49 30.0	−0.3			
			ePP	20 50 44.0	5.0			
			S	20 54 54.0	4.9			
			sS	20 55 04.0	0.4			
			SS	20 57 08.0	5.4			
			LN		$M_S = 6.2$		14.0	18.2
			LE				14.0	11.7
			LZ		$M_S = 5.3$		20.0	5.69
TIY	34.8	25	eP	20 49 20.6	−1.8			
			S	20 54 52.0	2.4			
			LN		$M_S = 6.0$		13.0	8.38
			LE				15.0	9.99
			LZ		$M_S = 5.8$		16.0	12.9
TIA	35.8	32	eP	20 49 32.1	0.8			
			eS	20 55 08.0	1.3			
			LN		$M_S = 5.8$		12.0	5.41
			LE				12.0	5.87
			LZ		$M_S = 5.5$		14.0	5.84
BTO	36.3	20	eP	20 49 35.8	0.0			
			pP	20 49 42.0	−2.0			
			PP	20 51 01.5	2.7			
			S	20 55 10.9	−2.9			
			LN		$M_S = 5.6$		13.0	3.00
			LE				12.0	3.70
			LZ		$M_S = 5.5$		12.0	4.50
KSH	36.5	336	P	20 49 40.0	2.8			
			LE		$M_S = 5.9$		8.0	6.30
HHC	37.1	22	eP	20 49 43.2	0.9			
			PMZ		$m_b = 5.1$		1.0	0.031
			S	20 55 30.0	4.3			
			LN		$M_S = 6.1$		10.0	2.31
			LE				13.0	15.9
			PP	20 51 15.0	6.2			
			S	20 55 30.0	4.3			
			LZ		$M_S = 5.6$		21.0	10.1
WMQ	37.2	352	P	20 49 43.5	0.1			
			PMZ		$m_b = 5.1$		1.2	0.040
			PMZ		$m_B = 6.0$		4.0	1.03
			PcP	20 52 04.0	1.6			
			S	20 55 25.0	−2.7			
			LN		$M_S = 5.6$		10.0	2.40
			LE				8.0	2.10
BJI	38.3	27	eP	20 49 54.0	1.6			
			PMZ		$m_b = 5.4$		1.5	0.088
			eS	20 55 52.0	6.8			
			LZ		$M_S = 5.7$		16.0	8.47
DL2	40.2	34	eP	20 50 09.6	1.5			
			PMZ		$m_b = 5.6$		1.0	0.11
			S	20 56 17.0	4.4			
SNY	43.3	32	−P	20 50 32.0	−1.7			
			PMZ		$m_b = 5.3$		1.4	0.068
			S	20 56 58.0	−0.7			
			SS	21 00 04.0	−2.5			
			LN		$M_S = 5.9$		17.0	7.47
			LE				13.0	4.84
			LZ		$M_S = 5.7$		14.0	7.08
CN2	45.7	31	eP	20 50 52.5	−0.3			
			PMZ		$m_b = 5.1$		1.0	0.030
			PMZ		$m_B = 5.8$		4.0	0.60
			pP	20 51 03.0	1.9			
			eS	20 57 30.0	−3.8			
			LN		$M_S = 6.0$		13.0	3.40
			LE				13.0	6.90
			LZ		$M_S = 6.1$		14.0	16.9
MDJ	48.5	33	eP	20 51 14.5	0.1			
			PMZ		$m_b = 5.8$		1.5	0.18
			pP	20 51 21.0	−1.7			
			sP	20 51 25.0	−1.3			
			eS	20 58 18.5	5.6			
			sS	20 58 28.0	1.1			
			LN		$M_S = 6.0$		14.0	1.38
			LE				14.0	6.99

AUG 26d 20h 54m 22.8 ± 0.04s, SD1.28 / 390
6.86 N ± 0.98km, 94.50 E ± 0.82km, h22 ± 0.17km
Nicobar Islands region (704)
M_S6.3 / 54, m_B6.0 / 21, m_b5.6 / 129

QZN	19.2	50	P	20 58 48.6	0.3			
			PMZ		$m_b = 5.9$		1.6	0.84
			LN		$M_S = 6.6$		11.0	98.3
			LE				11.0	63.0
KMI	19.8	23	eP	20 58 56.0	0.6			
			PMZ		$m_b = 5.9$		2.0	1.30
			PMZ		$m_B = 5.9$		6.0	3.90
			eS	21 02 38.0	5.3			
			LN		$M_S = 6.1$		8.0	12.3
			LE				8.0	21.6
			LZ		$M_S = 5.6$		16.0	17.8
GYA	22.7	29	+iP	20 59 26.6	2.2			
			PMZ		$m_b = 5.9$		1.4	0.65
			PMZ		$m_B = 6.3$		5.0	6.70
			LN		$M_S = 6.3$		12.0	37.9
			LE				12.0	36.9
			LZ		$M_S = 5.7$		16.0	22.6
LSA	22.9	352	eP	20 59 26.0	−1.4			
			S	21 03 33.0	2.3			
			LN		$M_S = 5.5$		14.0	6.45
			LE				12.0	5.41
			LZ		$M_S = 5.2$		12.0	4.81
GZH	24.3	46	P	20 59 41.8	2.0			
			PMZ		$m_b = 5.6$		1.6	0.37
			S	21 04 00.0	6.1			
			LN		$M_S = 6.6$		13.0	80.7
			LE				14.0	52.4
			LZ		$M_S = 6.2$		13.0	43.9
CD2	25.5	19	−iP	20 59 51.2	0.0			
			PMZ		$m_b = 6.1$		1.0	0.50
QZH	29.2	49	eP	21 00 28.0	2.4			
			LN		$M_S = 6.3$		12.0	25.8
			LE				12.0	16.9
			LZ		$M_S = 5.8$		20.0	23.6
WHN	30.0	36	+P	21 00 33.5	0.7			
			PMZ		$m_b = 5.4$		1.5	0.11

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			pP	21 00 44.5	4.3			
			S	21 05 24.0	−3.8			
			LN	M_S=6.4		10.0	18.1	
			LE			12.0	28.8	
			LZ	M_S=5.8		16.0	15.5	
XAN	30.2	24	−iP	21 00 32.5	−1.4			
			PMZ	m_b=5.6		1.0	0.11	
			LN	M_S=6.3		10.0	15.6	
			LE			10.0	24.5	
LZH	30.3	15	eP	21 00 36.0	0.4			
			PMZ	m_b=5.6		2.0	0.22	
			PMZ	m_B=6.0		4.0	1.20	
			pP	21 00 45.5	2.7			
			sP	21 00 49.0	2.8			
			PP	21 01 37.5	3.4			
			PcP	21 03 33.0	−1.8			
			eS	21 05 31.5	−2.1			
			PcS	21 07 17.5	0.4			
			LE	M_S=6.1		12.0	21.0	
			LZ	M_S=5.7		20.0	16.8	
GTA	32.8	8	eP	21 00 55.7	−1.3			
			PMZ	m_b=5.3		0.8	0.040	
			PMZ	m_B=5.5		5.0	0.41	
			pP	21 01 02.6	−1.6			
			sP	21 01 06.6	−0.9			
			PP	21 02 05.0	−0.9			
			PcP	21 03 42.4	1.1			
			ScP	21 07 28.6	5.9			
			S	21 06 10.0	−0.6			
			sS	21 06 24.0	0.2			
			ScS	21 11 23.0	2.0			
			LE	M_S=6.0		11.5	12.2	
			LZ	M_S=5.8		19.0	17.3	
NJ2	33.8	39	+P	21 01 06.4	0.5			
			PMZ	m_b=5.4		1.2	0.067	
			PMZ	m_B=6.0		4.0	0.92	
			eS	21 06 27.5	−0.3			
			LN	M_S=6.4		11.0	25.7	
			LE			10.0	17.3	
			LZ	M_S=6.1		12.0	20.0	
SSE	34.7	43	eP	21 01 13.5	−0.1			
			PMZ	m_b=5.1		1.5	0.043	
			LN	M_S=6.5		12.0	23.3	
			LE			13.0	30.4	
			LZ	M_S=6.0		18.0	23.1	
TIY	34.8	25	eP	21 01 13.2	−1.0			
			PMZ	m_b=5.4		1.4	0.094	
			LN	M_S=6.4		16.0	24.2	
			LE			15.0	33.4	
			LZ	M_S=6.2		18.0	40.8	
TIA	35.8	32	+P	21 01 24.0	1.0			
			PMZ	m_b=5.5		1.2	0.10	
			LN	M_S=6.3		13.0	15.9	
			LE			11.0	14.1	
			LZ	M_S=5.8		16.0	12.1	
BTO	36.3	20	eP	21 01 26.9	−0.8			
			PMZ	m_B=5.7		5.0	0.70	
			sP	21 01 35.5	−2.8			
			PP	21 02 55.5	5.0			
			eS	21 07 11.0	3.7			
			LN	M_S=6.3		10.0	19.1	
			LE			10.0	8.50	
KSH	36.6	336	eP	21 01 28.5	−1.0			
HHC	37.1	22	eP	21 01 34.1	−0.1			
			PMZ	m_b=5.8		1.6	0.26	
			PMZ	m_B=6.0		5.0	1.39	
			LN	M_S=5.7		10.0	1.94	
			LE			13.0	5.27	
			eP	21 01 36.0	2.5			
			LZ	M_S=6.1		21.0	32.3	
WMQ	37.3	352	P	21 01 36.0	0.4			
			PMZ	m_b=5.3		1.5	0.080	
			PMZ	m_B=6.1		4.0	1.47	
			ScS	21 11 48.0	2.6			
			LN	M_S=5.8		15.0	7.40	
			LE			12.0	3.41	
			LZ	M_S=5.8		18.0	12.8	
BJI	38.3	27	eP	21 01 45.0	0.8			
			PMZ	m_b=5.9		1.5	0.31	
			PMZ	m_B=5.9		4.0	0.80	
			LN	M_S=6.4		13.0	29.8	
			LZ	M_S=5.9		20.0	19.6	
DL2	40.2	33	eP	21 02 00.0	0.2			
			PMZ	m_b=6.0		1.0	0.28	
			eS	21 08 12.0	6.4			
			LE	M_S=6.3		12.0	18.4	
SNY	43.3	32	−P	21 02 25.0	−0.4			
			PMZ	m_b=5.7		1.2	0.14	
			PMZ	m_B=5.9		4.0	0.83	
			S	21 08 55.0	4.3			
			LN	M_S=6.2		14.0	8.48	
			LE			13.0	10.5	
			LZ	M_S=6.1		14.0	17.2	
CN2	45.7	31	eP	21 02 44.8	0.3			
			PMZ	m_b=5.3		1.0	0.050	
			PMZ	m_B=6.2		6.0	2.00	
			eS	21 09 22.5	−3.4			
			LN	M_S=6.3		14.0	10.8	
			LE			14.0	13.9	
			LZ	M_S=6.5		15.0	43.5	
MDJ	48.4	33	+iP	21 03 05.6	−0.5			
			PMZ	m_b=5.9		1.4	0.23	
			PMZ	m_B=6.3		6.0	2.34	
			pP	21 03 11.0	−2.6			
			sP	21 03 15.0	−1.9			
			iS	21 10 08.0	3.0			
			LN	M_S=6.3		13.0	2.07	
			LE			14.0	17.0	

AUG 26d 21h 56m 13.4±0.06s, SD1.44 / 123
6.60 N±1.19km, 94.55 E±0.86km, h35±0.17km
Nicobar Islands region (704)
M_S5.4 / 12, m_b4.9 / 36,

QZN	19.3	49	eP	22 00 39.0	0.2			
			LN	M_S=5.4		11.0	6.25	
			LE			12.0	3.69	
KMI	20.0	22	+P	22 00 49.5	2.8			
			SMN			1.5	0.090	
			SME			1.5	0.050	
GYA	22.9	29	P	22 01 17.0	1.7			
			S	22 05 23.0	5.6			
			LN	M_S=5.2		12.0	2.50	
			LE			12.0	2.50	
			LZ	M_S=4.7		16.0	1.90	
CD2	25.7	19	eP	22 01 42.0	−0.2			
			LE	M_S=5.4		9.0	3.50	
			LZ	M_S=4.8		14.0	1.90	
WHN	30.2	36	eP	22 02 28.0	4.8			
XAN	30.4	24	P	22 02 23.0	−1.7			
LZH	30.6	15	eP	22 02 26.0	−0.5			
			PMZ	m_b=4.8		2.0	0.035	
			pP	22 02 33.0	−2.7			
			PP	22 03 29.0	2.6			
			LE	M_S=5.0		10.5	1.38	
			LZ	M_S=4.7		18.0	1.53	
GTA	33.0	8	P	22 02 47.2	−0.7			

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			PMZ		$m_b = 4.7$		0.8	0.010
			pP	22 02 53.0		−4.3		
			PP	22 03 56.0		−2.2		
			LE		$M_S = 5.0$		14.0	1.58
			LZ		$M_S = 4.7$		23.0	1.72
NJ2	34.0	39	eP	22 03 00.6		4.4		
			LN		$M_S = 5.4$		14.0	2.61
			LE				14.0	2.30
			LZ		$M_S = 4.9$		14.0	1.60
TIY	35.0	25	eP	22 03 06.6		1.8		
			LN		$M_S = 5.5$		24.0	8.66
			LZ		$M_S = 5.1$		16.0	2.62
TIA	36.0	32	eP	22 03 13.1		−0.3		
BTO	36.6	20	eP	22 03 17.5		−0.9		
HHC	37.3	21	eP	22 03 25.0		0.2		
			PMZ		$m_b = 4.9$		1.4	0.027
			LN		$M_S = 5.3$		14.0	0.55
			LE				13.0	2.61
			LZ		$M_S = 4.9$		20.0	1.87
WMQ	37.5	352	eP	22 03 27.0		0.5		
			LZ		$M_S = 4.7$		20.0	1.16
BJI	38.5	27	eP	22 03 36.0		1.3		
			LN		$M_S = 5.4$		16.0	3.50
SNY	43.5	32	−P	22 04 15.4		−0.4		
			PMZ		$m_b = 4.7$		0.8	0.010
			LE		$M_S = 5.1$		12.0	1.03
			LZ		$M_S = 5.1$		18.0	2.02
MDJ	48.6	33	eP	22 04 52.2		−4.1		
			PMZ		$m_b = 5.3$		1.5	0.060

AUG 26d 22h 52m 36.6 ± 0.05s, SD1.06 / 119
14.51 S ± 0.99km, 167.14 E ± 0.93km, h225 ± 0.54km
Vanuatu (New Hebrides) (186)
m_b4.8 / 19,

MDJ	68.0	332	eP	23 03 12.5		−1.8		
			PMZ		$m_b = 4.9$		1.0	0.027
CN2	69.4	329	+P	23 03 21.8		−0.8		
TIY	73.0	317	eP	23 03 44.0		−0.4		
XAN	73.4	313	P	23 03 46.5		−0.4		
GTA	82.4	314	+P	23 04 36.4		0.4		
			PMZ		$m_b = 4.7$		1.2	0.020
LSA	85.3	302	P	23 04 51.9		1.0		
WMQ	92.5	315	eP	23 05 23.5		−0.7		

AUG 26d 23h 34m 18.1 ± 0.05s, SD2.41 / 12
40.38 N ± 0.57km, 106.42 E ± 0.40km, h22 ± 0.26km
Northern China (323)
M_L3.4 / 13,

BTO	2.8	84	ePg	23 35 03.5		−3.5		
			Sg	23 35 43.6		−0.9		
			SMN		$M_L = 2.9$		0.6	0.080
			SME				0.6	0.030
			SMZ		$M_L = 2.9$		0.6	0.040
HHC	3.9	82	+iPg	23 35 28.5		0.5		
			Sg	23 36 20.5		−1.2		
			SMN		$M_L = 3.4$		0.5	0.10
			SME				0.5	0.060
			SMZ		$M_L = 3.6$		0.6	0.090
LZH	4.7	206	Pg	23 35 45.0		2.8		
			Sg	23 36 50.0		3.1		
			SMN		$M_L = 3.6$		0.8	0.082
			SME				1.5	0.079
GTA	5.2	261	Pn	23 35 35.8		0.9		
			Pg	23 35 49.8		0.3		
			Sn	23 36 34.4		−1.4		
			Sg	23 36 53.8		−6.5		
			SMN		$M_L = 3.2$		0.6	0.030
			SME				0.6	0.020
TIY	5.4	118	−Pg	23 35 52.4		−1.0		
			Sn	23 36 39.0		−2.1		
			SMN		$M_L = 3.1$		0.6	0.020
			SME				0.7	0.020
XAN	6.6	162	Pg	23 36 17.5		2.0		
			Sn	23 37 11.7		−0.4		
			SMN		$M_L = 3.3$		1.0	0.020
			SME				0.7	0.010

AUG 27d 08h 50m 57.5 ± 0.05s, SD1.02 / 253
17.99 S ± 0.73km, 178.47 W ± 0.81km, h602 ± 0.40km
Fiji region (181)
m_B5.2 / 1, m_b5.2 / 70,

QZH	74.7	303	−P	09 01 38.8		0.1		
			PMZ		$m_b = 5.1$		0.7	0.042
SSE	75.7	310	−P	09 01 44.5		−0.1		
			PMZ		$m_b = 4.4$		1.0	0.017
NJ2	77.9	310	−P	09 01 56.4		−0.1		
			PMZ		$m_b = 4.9$		1.0	0.050
MDJ	78.2	325	−iP	09 01 57.5		−0.5		
			PMZ		$m_b = 5.3$		0.8	0.10
QZN	79.4	294	P	09 02 05.4		1.1		
SNY	80.0	320	+P	09 02 07.0		−0.3		
CN2	80.0	322	+iP	09 02 07.5		−0.1		
			PMZ		$m_b = 4.7$		1.0	0.030
			PMZ		$m_B = 5.2$		4.0	0.40
			pP	09 04 15.0		1.8		
			sP	09 05 15.0		2.6		
			S	09 11 25.0		2.2		
WHN	80.6	306	eP	09 02 11.0		0.6		
TIA	81.3	312	eP	09 02 13.4		−0.4		
BJI	83.8	315	eP	09 02 26.0		−0.5		
			PMZ		$m_b = 5.2$		2.0	0.15
GYA	85.0	300	P	09 02 33.2		0.6		
			PMZ		$m_b = 5.8$		1.0	0.20
TIY	85.3	312	−P	09 02 34.2		0.4		
			PMZ		$m_b = 5.3$		0.8	0.050
XAN	86.3	307	+iP	09 02 38.6		0.1		
			PMZ		$m_b = 5.3$		0.8	0.050
HHC	87.3	314	+P	09 02 43.8		0.4		
KMI	87.8	297	+P	09 02 47.5		1.5		
			PMZ		$m_b = 5.3$		1.5	0.080
LZH	90.9	308	eP	09 02 59.5		−0.7		
			PMZ		$m_b = 5.5$		1.0	0.053

AUG 27d 11h 46m 21.9 ± 0.06s, SD1.35 / 185
16.23 S ± 0.84km, 73.24 W ± 0.90km, h70 ± 0.58km
Near coast of Peru (115)
m_b5.1 / 42,

MDJ	145.8	330	PKP	12 05 53.7		0.1		
			pPKP	12 06 14.0		1.7		
WMQ	148.1	27	PKP	12 05 58.0		0.4		
			sPKP	12 06 22.5		−1.6		
			LZ		$M_S = 5.4$		28.0	0.82
CN2	148.3	334	ePKP	12 06 00.0		2.3		
SNY	150.7	334	PKP	12 06 02.6		1.1		
BJI	154.9	343	ePKP	12 06 08.0		0.5		
HHC	155.1	351	PKP	12 06 10.0		2.0		
BTO	155.6	354	ePKP	12 06 10.0		1.5		
GTA	156.1	13	ePKP	12 06 10.3		1.0		
			pPKP	12 06 32.0		4.0		
			LZ		$M_S = 5.3$		17.0	0.35
TIY	158.0	348	ePKP	12 06 13.0		1.3		
TIA	158.1	337	ePKP	12 06 12.7		1.0		
LZH	160.1	7	ePKP	12 06 15.5		1.4		
			pPKP	12 06 36.0		3.2		
			LZ		$M_S = 5.0$		25.0	0.27
SSE	160.2	321	−PKP	12 06 15.7		1.6		

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			PKP2	12 06 55.0	−0.7			
NJ2	160.8	327	+PKP	12 06 16.0	1.3			
XAN	162.2	354	ePKP	12 06 17.2	1.1			
WHN	164.1	335	ePKP	12 06 18.5	0.5			
KMI	170.4	22	ePKP	12 06 24.0	1.2			

AUG 27d 11h 58m 19.8 ± 0.05s, SD1.22 / 153
21.52 S ± 0.72km, 68.53 W ± 0.93km, h93 ± 0.28km
Northern Chile (123)
m_b5.1 / 31,

WMQ	150.3	36	PKP	12 17 56.8	0.7			
			pPKP	12 18 21.0	0.3			
			sPKP	12 18 34.0	3.0			
MDJ	152.5	331	ePKP	12 17 58.5	−0.8			
GTA	159.6	27	−PKP	12 18 09.6	1.1			
			sPKP	12 18 42.0	−1.4			
HHC	160.7	360	+PKP	12 18 12.3	2.6			
BTO	160.9	3	ePKP	12 18 11.7	1.8			
BJI	161.1	349	ePKP	12 18 11.0	1.1			
TIY	163.8	357	ePKP	12 18 14.1	1.3			
LZH	164.0	23	ePKP	12 18 14.5	1.4			
			LZ			18.0	0.24	
TIA	164.6	343	ePKP	12 18 14.5	1.1			
			ePKP2	12 19 09.1	−0.7			
XAN	167.3	10	ePKP	12 18 17.0	1.3			
WHN	170.7	345	ePKP	12 18 19.0	1.3			

AUG 27d 13h 09m 31.9 ± 0.19s, SD1.39 / 7
24.57 N ± 1.36km, 120.89 E ± 1.12km, h5 ± km
Taiwan (244)
M_L3.4 / 5,

QZH	2.1	281	ePn	13 10 08.0	−0.4			
			Sn	13 10 42.0	4.8			

AUG 28d 01h 29m 01.2 ± 0.05s, SD1.71 / 146
35.32 N ± 0.83km, 133.27 E ± 0.60km, h11 ± 0.04km
Southern Honshu (232)
M_S5.5 / 44, M_L4.2 / 1, m_B5.6 / 8,

MDJ	9.7	344	eP	01 31 25.0	1.0			
			PMZ	m_b = 5.1		0.8	0.054	
			pP	01 31 32.5	3.6			
			sP	01 31 36.0	4.3			
			S	01 33 20.0	6.3			
			LN	M_S = 5.4		12.0	2.59	
			LE			12.0	20.6	
DL2	10.0	294	eP	01 31 32.0	4.5			
			LN	M_S = 5.6		9.0	23.9	
			LE			12.0	14.7	
			LZ	M_S = 5.3		10.0	13.7	
SNY	10.0	313	−P	01 31 27.0	−0.8			
			PMZ	m_b = 5.1		1.0	0.066	
			sP	01 31 34.0	−1.6			
			S	01 33 22.0	1.4			
			LN	M_S = 5.4		11.0	13.9	
			LE			10.0	10.1	
			LZ	M_S = 5.0		10.0	7.93	
CN2	10.4	327	eP	01 31 33.0	−0.5			
			PMZ	m_b = 4.6		1.0	0.020	
			PMZ			3.0	0.70	
			epP	01 31 37.0	−1.5			
			eS	01 33 30.0	−1.1			
			LN	M_S = 5.5		10.0	6.90	
			LE			10.0	18.0	
			LZ	M_S = 5.6		10.0	27.0	
SSE	11.0	251	P	01 31 44.0	2.7			
			PMZ	m_b = 5.3		1.5	0.12	
			SMN			2.0	1.83	
			SME			1.4	0.46	
			LN	M_S = 5.6		14.0	27.1	
			LE			14.0	13.5	
			LZ	M_S = 4.9		20.0	10.3	
NJ2	12.4	259	−P	01 32 01.0	−0.3			
			PMZ			3.0	0.81	
			sP	01 32 14.0	4.6			
			eS	01 34 15.5	−5.5			
			LN	M_S = 5.3		9.0	4.79	
			LE			9.0	6.38	
			LZ	M_S = 4.7		20.0	5.32	
TIA	13.1	279	eP	01 32 13.3	2.5			
			sP	01 32 24.0	5.1			
			S	01 34 40.0	2.4			
			LN	M_S = 5.5		11.0	10.3	
			LE			11.0	9.50	
			LZ	M_S = 5.2		15.0	12.0	
BJI	14.3	294	eP	01 32 26.0	−0.3			
			PMZ	m_b = 5.7		1.2	0.20	
			PMZ	m_B = 6.0		4.0	1.33	
			epP	01 32 30.5	−0.4			
			LN	M_S = 5.5		12.0	9.29	
			LE			12.0	12.2	
			LZ	M_S = 5.3		12.0	12.1	
QZH	16.4	235	eP	01 32 48.0	−4.7			
			S	01 35 53.0	−0.4			
			SS	01 36 12.0	−0.7			
			LN	M_S = 5.3		12.0	5.60	
			LE			12.0	5.31	
			LZ	M_S = 5.1		14.0	6.63	
WHN	16.6	259	+P	01 32 59.0	3.5			
			PMZ			3.0	0.61	
			sP	01 33 08.0	4.2			
			LN	M_S = 5.6		10.0	7.64	
			LE			12.0	12.2	
			LZ	M_S = 5.2		12.0	8.10	
TIY	16.9	284	+P	01 33 03.4	3.5			
			PMZ	m_b = 5.4		1.2	0.20	
			LE	M_S = 5.3		12.0	6.94	
			LZ	M_S = 5.3		12.0	9.52	
HHC	17.9	294	−P	01 33 14.8	2.1			
			PMZ	m_b = 5.2		1.2	0.15	
			PMZ	m_B = 5.8		5.0	2.24	
			PP	01 33 28.0	1.3			
			PcP	01 37 42.0	−6.6			
			LN	M_S = 5.4		8.0	0.80	
			LE			10.0	7.13	
			LZ	M_S = 5.4		12.0	10.9	
BTO	19.1	293	P	01 33 25.6	−0.8			
			sP	01 33 31.0	−3.5			
			LN	M_S = 5.5		10.0	5.30	
			LE			10.0	6.90	
			LZ	M_S = 5.2		10.0	5.10	
XAN	20.1	273	P	01 33 36.3	−1.4			
			S	01 37 23.3	6.3			
			LN	M_S = 5.5		13.0	4.60	
			LE			13.0	7.70	
LZH	23.9	280	eP	01 34 17.0	1.0			
			PMZ	m_b = 5.4		2.0	0.26	
			PMZ	m_B = 5.6		4.0	0.90	
			sP	01 34 28.0	3.7			
			eS	01 38 30.0	0.9			
			LE	M_S = 5.5		12.0	6.49	
			LZ	M_S = 5.3		15.0	7.49	
GYA	24.4	256	P	01 34 20.6	−0.8			
			PMZ	m_b = 4.8		1.4	0.050	
			S	01 38 44.0	6.5			
			SS	01 39 32.0	0.9			
			LN	M_S = 5.6		10.0	7.40	

			LE			10.0	3.20	
			LZ		$M_S = 5.1$	16.0	4.40	
CD2	25.1	268	eP	01 34 26.6	−0.8			
			epP	01 34 29.9	−2.9			
			PP	01 35 01.9	−2.4			
			eS	01 38 51.0	1.9			
			LN		$M_S = 5.7$	11.0	9.40	
			LZ		$M_S = 5.5$	12.0	8.20	
QZN	26.3	238	eP	01 34 36.2	−2.9			
			PP	01 35 22.0	1.2			
			eS	01 39 07.0	−2.8			
			SS	01 40 20.0	2.8			
			LN		$M_S = 5.5$	12.0	5.60	
			LE			12.0	4.00	
GTA	26.8	289	eP	01 34 41.4	−2.5			
			pP	01 34 48.6	−0.6			
			LE		$M_S = 5.5$	12.0	5.94	
			LZ		$M_S = 5.4$	12.0	6.67	
KMI	28.2	257	eP	01 34 55.0	−1.2			
			PMZ		$m_b = 5.7$	2.0	0.32	
			pP	01 35 03.0	1.5			
			LZ		$M_S = 5.2$	14.0	4.70	
WMQ	35.8	298	eP	01 36 01.6	−1.0			
			LZ		$M_S = 5.4$	12.0	3.78	
KSH	45.1	293	P	01 37 17.0	−2.8			
			LN		$M_S = 5.6$	13.0	2.30	
			LE			14.0	3.10	

AUG 28d 06h 47m 43.4 ± 0.03s, SD1.43 / 67
21.20 S ± 0.98km, 170.38 E ± 0.79km, h20 ± 0.09km
Loyalty Islands region (189)
m_b5.2 / 15,

CN2	76.7	328	eP	06 59 37.5	1.9			
			PMZ		$m_b = 4.7$	1.0	0.010	
			epP	06 59 44.5	1.8			
			LZ		$M_S = 4.9$	20.0	0.60	
BJI	79.1	321	eP	06 59 48.0	−1.1			
TIY	80.0	317	eP	06 59 55.8	1.9			
XAN	80.2	312	P	06 59 54.2	−0.9			
KMI	80.2	302	eP	06 59 55.0	−0.3			
HHC	82.4	319	P	07 00 07.0	0.4			
LZH	84.8	312	eP	07 00 18.5	−0.5			
			PMZ		$m_b = 5.1$	1.5	0.028	
			pP	07 00 25.0	−1.0			
			sP	07 00 30.0	0.9			
GTA	89.2	313	eP	07 00 45.0	4.6			
			PMZ		$m_b = 5.0$	1.0	0.010	
			pP	07 00 50.8	3.3			

AUG 28d 10h 35m 02.0 ± 0.07s, SD3.77 / 11
29.39 N ± 0.79km, 104.14 E ± 0.64km, h13 ± 0.15km
Sichuan Province (307)
M_L3.2 / 8,

CD2	1.6	348	Pg	10 35 28.6	−1.1			
			Sg	10 35 48.2	−2.7			
			SMN		$M_L = 3.1$	0.5	0.30	
			SME			0.5	0.20	
XAN	6.2	40	Pg	10 36 55.7	4.5			
			Sg	10 38 12.4	−3.0			
			SMN		$M_L = 3.5$	0.7	0.030	
			SME			0.8	0.030	

AUG 28d 14h 51m 18.4 ± 0.05s, SD2.45 / 25
36.15 N ± 0.52km, 100.35 E ± 0.50km, h13 ± 0.13km
Qinghai Province (325)
M_S3.7 / 4, M_L4.0 / 11,

LZH	2.8	90	+iPn	14 52 06.0	2.1			
			Pg	14 52 11.0	2.6			
			Sn	14 52 43.0	3.4			
			Sg	14 52 48.5	1.3			
			SMN		$M_L = 4.4$	0.8	1.75	
			SME			0.8	1.45	
			LE			5.0	0.81	
			LZ			8.0	0.77	
GTA	3.3	353	Pn	14 52 13.8	3.6			
			Sn	14 52 57.0	6.1			
			Sg	14 53 03.0	1.5			
			SMN		$M_L = 3.2$	0.7	0.068	
			SME			0.7	0.092	
			LE		$M_S = 3.7$	10.0	1.42	
			LZ		$M_S = 3.3$	10.0	0.48	
CD2	5.9	150	ePg	14 53 07.5	3.9			
			SME		$M_L = 3.4$	1.0	0.030	
			LN		$M_S = 3.7$	9.0	0.70	
XAN	7.3	104	Pg	14 53 26.6	−1.5			
			Sn	14 54 26.4	−4.7			
			Sg	14 55 14.2	6.0			
			SMN		$M_L = 4.0$	1.0	0.060	
			SME			1.0	0.050	
HHC	10.0	59	eP	14 53 43.0	−1.8			
WMQ	12.3	312	P	14 54 15.8	−1.4			
			S	14 56 36.8	1.6			
			LZ		$M_S = 4.1$	10.0	0.80	

AUG 28d 21h 32m 34.8 ± 0.04s, SD1.04 / 280
22.20 S ± 0.68km, 179.68 E ± 0.79km, h600 ± 0.26km
South of Fiji (171)
m_B5.5 / 13, m_b5.4 / 79,

QZH	75.6	305	−P	21 43 20.8	−0.3			
			PMZ		$m_b = 5.0$	0.7	0.046	
SSE	77.1	311	+P	21 43 29.0	−0.7			
			PMZ		$m_b = 5.0$	2.0	0.15	
			PMZ		$m_B = 5.4$	5.0	0.83	
			S	21 52 30.0	−0.5			
GZH	78.7	301	P	21 43 37.0	−0.9			
			PMZ		$m_b = 5.2$	1.4	0.14	
			S	21 52 50.0	3.5			
NJ2	79.3	311	+P	21 43 41.3	0.1			
			PMZ		$m_b = 5.3$	1.4	0.17	
			PMZ		$m_B = 5.5$	4.0	0.80	
			PP	21 46 50.0	−2.8			
			S	21 52 56.5	3.5			
QZN	79.6	295	P	21 43 44.0	1.3			
			eS	21 53 00.0	2.6			
WHN	81.7	308	+P	21 43 53.8	0.2			
			PMZ		$m_b = 5.1$	1.5	0.11	
			S	21 53 15.0	−2.0			
SNY	82.1	321	−iP	21 43 55.0	−0.7			
			PMZ		$m_B = 5.4$	5.0	0.68	
			epP	21 46 00.0	−1.8			
			esP	21 47 00.0	−0.8			
CN2	82.3	324	−iP	21 43 56.0	−0.7			
			PMZ		$m_b = 5.4$	1.0	0.15	
			PMZ		$m_B = 5.6$	5.0	1.20	
			epP	21 46 07.0	4.1			
TIA	82.8	314	eP	21 43 59.4	0.1			
			PMZ		$m_b = 5.2$	1.2	0.11	
BJI	85.6	316	eP	21 44 12.5	−0.2			
			PMZ		$m_b = 5.2$	1.5	0.088	
			PMZ		$m_B = 5.8$	4.0	0.89	
			eSKS	21 53 40.0	0.5			
			eS	21 53 58.0	2.3			
GYA	85.6	301	−P	21 44 14.0	1.0			
			PMZ		$m_b = 5.2$	1.6	0.090	
			PMZ			3.0	0.70	
TIY	86.8	313	+P	21 44 18.8	0.2			

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			PMZ		$m_b = 5.6$		1.4	0.16	CN2	82.6	322	+iP	05 32 55.0	−0.5		
			PMZ		$m_B = 5.6$		5.0	0.64				PMZ		$m_b = 5.6$	0.8	0.080
XAN	87.5	308	P	21 44 21.5		0.0						PMZ		$m_B = 5.8$	4.0	0.70
KMI	88.2	298	−P	21 44 27.0		1.7						pP	05 34 23.0	2.7		
			PMZ		$m_b = 5.7$		2.0	0.24				sP	05 35 00.0	1.4		
			eS	21 54 23.0		2.8						S	05 42 44.0	4.9		
HHC	89.0	315	−P	21 44 29.0		0.1			WHN	82.8	306	+P	05 32 56.0	−0.2		
			PMZ		$m_b = 5.0$		1.4	0.035				PMZ		$m_b = 5.8$	1.5	0.23
			PMZ		$m_B = 5.7$		5.0	0.61				PMZ		$m_B = 5.6$	5.0	0.58
BTO	89.9	314	eP	21 44 33.4		0.4						S	05 42 44.0	3.2		
CD2	89.9	304	−iP	21 44 34.1		1.2			TIA	83.6	312	eP	05 33 00.0	−0.5		
			PMZ		$m_b = 6.1$		0.8	0.21				PMZ		$m_b = 5.3$	1.6	0.080
			PMZ		$m_B = 5.9$		4.0	0.60	BJI	86.2	315	eP	05 33 13.0	−0.2		
			sP	21 47 41.0		1.3						PMZ		$m_b = 5.7$	2.0	0.33
			eSKS	21 54 05.1		−0.9						PMZ		$m_B = 5.5$	4.0	0.44
			iS	21 54 37.8		3.0						esP	05 35 18.0	1.2		
LZH	92.1	308	eP	21 44 43.5		0.4						eS	05 43 16.0	0.4		
			PMZ		$m_b = 5.6$		1.4	0.080	GYA	87.0	300	+iP	05 33 17.6	0.6		
			PMZ		$m_B = 5.4$		8.0	0.30				PMZ		$m_b = 5.3$	1.6	0.10
GTA	96.4	310	eP	21 45 02.0		−0.4						PMZ			3.0	1.30
			PMZ		$m_b = 5.4$		1.8	0.060	TIY	87.6	312	+P	05 33 19.6	−0.4		
												PMZ		$m_b = 5.6$	1.4	0.17
												PMZ			3.0	0.60
												LN			15.0	0.30
												LZ			21.0	0.51
									XAN	88.5	307	+iP	05 33 24.2	0.2		
												PMZ		$m_b = 5.5$	1.0	0.10
									HHC	89.7	314	+P	05 33 29.5	−0.2		
												SMN			7.0	0.32
												SME			7.0	0.35
									KMI	89.7	297	+P	05 33 31.0	1.2		
												PMZ		$m_b = 5.9$	1.1	0.25
									BTO	90.6	313	P	05 33 34.0	0.0		
												S	05 43 59.5	5.6		
									CD2	91.1	303	P	05 33 36.6	0.3		
												PMZ		$m_b = 5.1$	1.2	0.040
												S	05 44 03.5	5.1		
									LZH	93.1	307	+P	05 33 46.0	0.4		
												PMZ		$m_b = 5.4$	1.4	0.080
												LZ			8.0	0.30
												pP	05 35 12.5	0.7		
												LZ			20.0	0.25
									GTA	97.3	309	+P	05 34 04.0	−0.7		

AUG 29d 01h 00m 36.0 ± 0.05s, SD1.47 / 110
17.72 S ± 1.23km, 115.92 W ± 1.42km, h7 ± 0.42km
Easter Island Cordillera (684)
m_b5.2 / 14,

TIA	129.9	303	ePKP	01 19 47.2		−0.5										
LZH	140.4	306	ePKP	01 20 06.5		−0.9										
			LZ		$M_S = 5.1$		25.0	0.43								
CD2	141.7	298	ePKP	01 20 09.6		0.0										
GTA	142.2	312	ePKP	01 20 08.2		−2.3										
			LZ		$M_S = 5.0$		22.0	0.30								
KMI	143.4	288	+PKP	01 20 15.0		2.5										
WMQ	147.2	328	PKP	01 20 21.0		1.9										
			PPMZ				1.5	0.040								
			LZ		$M_S = 5.3$		20.0	0.50								

AUG 29d 05h 21m 11.3 ± 0.07s, SD1.01 / 334
20.68 S ± 0.65km, 177.70 W ± 0.73km, h375 ± 0.75km
Fiji region (181)
m_B5.8 / 9, m_b5.4 / 75,

SSE	78.0	310	−P	05 32 30.0		−1.4										
			PMZ		$m_b = 5.3$		1.3	0.065								
			PMZ		$m_B = 5.6$		4.0	0.42								
			S	05 41 52.0		−0.2										
			LZ				20.0	0.46								
GZH	80.1	299	+P	05 32 43.0		0.8										
			PMZ		$m_b = 5.6$		1.0	0.12								
			eS	05 42 12.0		−2.9										
NJ2	80.2	310	+P	05 32 43.0		0.0										
			PMZ		$m_b = 5.9$		1.2	0.23								
			S	05 42 20.0		5.1										
MDJ	80.8	325	+iP	05 32 46.0		−0.3										
			PMZ		$m_b = 5.9$		1.0	0.19								
			PMZ		$m_B = 5.9$		4.0	0.82								
			pP	05 34 14.0		3.2										
			sP	05 34 52.0		2.9										
			iS	05 42 23.0		0.1										
			sS	05 44 56.0		5.2										
QZN	81.2	294	eP	05 32 48.4		0.3										
			eS	05 42 31.0		4.5										
DL2	82.1	317	+P	05 32 52.0		−0.6										
			PMZ		$m_b = 5.6$		1.0	0.10								
			eS	05 42 34.0		−1.2										
SNY	82.5	320	+P	05 32 53.9		−1.1										
			PMZ		$m_b = 5.1$		1.0	0.033								
			sP	05 35 02.0		3.9										
			S	05 42 38.5		0.2										

AUG 29d 07h 40m 41.9 ± 0.27s, SD1.74 / 10
24.50 N ± 1.90km, 121.30 E ± 1.60km, h5 ± km
Taiwan (244)
M_S3.5 / 1, M_L3.5 / 8, m_b4.2 / 3

SSE	6.6	359	eP	07 42 20.0		−1.7										
			PMZ		$m_b = 4.1$		0.5	0.010								
			eS	07 43 41.5		3.8										
			SMN		$M_L = 3.5$		1.0	0.025								
			SME				1.0	0.026								
			LE		$M_S = 3.5$		5.0	0.22								
			LZ		$M_S = 3.6$		10.0	0.48								
NJ2	7.8	345	+P	07 42 39.0		−0.3										
			S	07 44 10.0		1.0										
			SMN		$M_L = 4.1$		1.0	0.068								
			SME				0.8	0.053								

AUG 29d 08h 21m 15.1 ± 0.04s, SD1.05 / 119
20.71 S ± 0.64km, 177.75 W ± 0.31km, h378 ± 0.53km
Fiji region (181)
m_b5.0 / 31,

GZH	80.0	299	P	08 32 46.4		0.8										
NJ2	80.2	310	−P	08 32 46.5		0.0										
MDJ	80.8	325	eP	08 32 49.0		−0.8										
			PMZ		$m_b = 5.0$		0.8	0.021								

CN2	82.6	322	eP	08 32 58.2	−0.7		
WHN	82.8	306	eP	08 33 00.0	0.4		
GYA	87.0	300	P	08 33 20.8	0.4		
			PMZ	$m_b = 4.5$		1.0	0.010
TIY	87.6	312	eP	08 33 23.2	−0.2		
KMI	89.7	297	−P	08 33 34.5	1.3		
			PMZ	$m_b = 5.2$		1.2	0.060
			LZ			26.0	0.70
HHC	89.7	314	eP	08 33 33.4	0.3		

AUG 29d 08h 44m 40.8 ± 0.04s, SD1.30 / 111
3.17 S ± 0.61km, 139.78 E ± 0.94km, h32 ± 0.05km
West Irian (201)
M_S4.8 / 7, m_B5.3 / 2, m_b5.0 / 31

QZN	36.8	308	eP	08 51 47.7	−0.2		
			PP	08 53 13.0	−0.4		
			eS	08 57 28.0	−1.7		
SSE	38.4	334	+P	08 52 02.0	0.6		
			PMZ	$m_b = 5.0$		1.0	0.025
			sP	08 52 19.5	5.0		
			LN	$M_S = 4.8$		14.0	0.71
			LZ	$M_S = 4.7$		20.0	1.19
NJ2	40.3	332	eP	08 52 18.0	1.1		
			S	08 58 24.0	2.6		
			LZ	$M_S = 4.2$		20.0	0.35
GYA	43.5	315	eP	08 52 45.8	2.3		
TIA	44.5	334	eP	08 52 51.3	−0.4		
			PMZ	$m_b = 5.5$		1.2	0.080
			S	08 59 20.5	−3.3		
			SS	09 02 40.5	4.1		
			LZ	$M_S = 4.6$		24.0	0.90
DL2	45.1	340	+P	08 52 57.0	0.8		
			S	08 59 32.0	0.0		
			LZ	$M_S = 4.3$		23.0	0.46
SNY	47.1	343	+P	08 53 12.0	−0.4		
			S	09 00 01.0	−0.2		
			LZ	$M_S = 4.6$		26.0	0.95
TIY	47.9	331	eP	08 53 18.0	−0.8		
			S	09 00 12.0	−0.4		
			LN	$M_S = 4.7$		15.0	0.40
			LZ	$M_S = 4.7$		26.0	1.14
BJI	48.1	336	eP	08 53 20.0	−0.3		
			PMZ	$m_b = 5.3$		2.0	0.076
			eS	09 00 10.0	−6.4		
			LZ	$M_S = 4.5$		28.0	0.69
CN2	48.5	346	eP	08 53 22.5	−0.5		
			PMZ	$m_b = 5.1$		1.2	0.030
			PMZ	$m_B = 5.5$		10.0	0.60
			sP	08 53 38.0	1.9		
			eS	09 00 15.0	−6.4		
			sS	09 00 36.0	−0.7		
			LZ	$M_S = 5.0$		22.0	1.80
HHC	50.8	332	eP	08 53 41.6	0.6		
			S	09 00 56.0	3.4		
			LZ	$M_S = 4.5$		32.0	0.82
BTO	51.4	331	eP	08 53 44.4	−0.6		
			ePP	08 55 43.5	1.5		
			S	09 01 02.5	2.5		
			eSS	09 04 36.5	2.8		
LZH	51.5	323	eP	08 53 46.0	−0.1		
			PMZ	$m_b = 5.1$		1.8	0.047
			PMZ	$m_B = 5.1$		10.0	0.27
			PcP	08 54 58.5	−0.9		
			PP	08 55 45.0	1.8		
			eS	09 01 00.0	−3.2		
			LN	$M_S = 4.7$		12.0	0.28
			LZ	$M_S = 4.9$		25.0	1.54
GTA	56.1	323	+P	08 54 19.4	−0.4		
			PMZ	$m_b = 5.0$		1.6	0.030
			eS	09 02 02.0	−3.2		
			LZ	$M_S = 4.6$		25.0	0.64
WMQ	66.0	321	P	08 55 26.5	−0.7		
			PMZ	$m_b = 5.0$		1.5	0.030
			LZ	$M_S = 4.6$		20.0	0.39

AUG 29d 16h 52m 10.9 ± 0.07s, SD2.91 / 15
38.37 N ± 0.63km, 106.19 E ± 0.60km, h11 ± 0.23km
Northern China (323)
M_L3.4 / 15,

LZH	3.0	220	ePn	16 53 03.0	4.6		
			Pg	16 53 08.0	5.0		
			Sg	16 53 44.5	1.1		
			SMN	$M_L = 3.6$		0.5	0.32
			SME			0.5	0.15
BTO	3.7	52	ePg	16 53 14.6	−1.9		
			Sg	16 54 00.4	−6.6		
			SMN	$M_L = 2.9$		0.6	0.030
			SME			0.6	0.030
			SMZ	$M_L = 3.1$		0.6	0.030
HHC	4.8	58	Pg	16 53 34.8	−1.7		
			Sg	16 54 35.8	−6.5		
			SMN	$M_L = 3.5$		0.6	0.050
			SME			0.4	0.070
			SMZ	$M_L = 3.7$		0.5	0.070
XAN	4.9	152	Pn	16 53 24.1	−0.3		
			Pg	16 53 38.0	1.3		
			Sn	16 54 21.0	−1.7		
			Sg	16 54 41.0	−2.1		
			SMN	$M_L = 2.9$		0.5	0.020
			SME			0.8	0.010
GTA	5.1	284	Pn	16 53 27.2	−0.4		
			Pg	16 53 42.1	1.5		
			Sn	16 54 24.2	−4.0		
			Sg	16 54 48.2	−1.9		
			SMN	$M_L = 3.2$		0.6	0.040
			SME			0.6	0.020

AUG 29d 22h 34m 05.4 ± 0.04s, SD2.38 / 8
23.33 N ± 0.37km, 100.21 E ± 0.49km, h27 ± 0.58km
Burma−China border region (297)
M_L3.2 / 6,

KMI	2.9	51	ePg	22 34 57.5	−0.3		
			Sg	22 35 33.5	−4.3		
			SMN	$M_L = 3.1$		1.0	0.11
			SME			1.0	0.050
CN2	29.1	39	eP	22 40 04.0	−2.5		

AUG 30d 00h 16m 20.9 ± 0.03s, SD1.26 / 137
4.31 S ± 0.81km, 81.52 W ± 0.88km, h22 ± 0.27km
Off coast of Northern Peru (108)
m_b5.1 / 46,

WMQ	139.5	12	PKP	00 35 48.0	−0.1
HHC	141.8	344	ePKP	00 35 52.4	0.3
TIY	144.4	341	−PKP	00 35 55.4	−1.2
GTA	145.0	358	PKP	00 35 57.0	−0.8
			sPKP	00 36 10.8	4.4
SSE	145.8	324	+PKP	00 36 00.0	1.0
			sPKP	00 36 12.5	4.8
NJ2	146.4	328	+PKP	00 36 00.8	0.8
LZH	148.0	352	ePKP	00 36 07.0	4.2
			sPKP	00 36 10.5	−0.8
XAN	148.9	343	PKP	00 36 08.1	4.0
WHN	149.9	332	ePKP	00 36 10.0	4.3

AUG 30d 01h 29m 27.6 ± 0.04s, SD1.34 / 130
3.27 S ± 0.68km, 134.47 E ± 1.01km, h34 ± 0.19km

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West Irian region (196)
M_S4.7 / 13, m_B5.5 / 6, m_b5.3 / 39

QZN	32.8	313	eP	01 35 58.0	−2.6			
			PP	01 37 15.0	4.6			
			LN	M_S=4.7		16.0	0.92	
SSE	36.4	341	−P	01 36 31.5	0.0			
			PMZ	m_b=5.3		1.5	0.073	
			PMZ	m_B=5.5		5.0	0.41	
			PP	01 37 58.0	2.8			
			LN	M_S=4.5		9.0	0.26	
			LZ	M_S=4.4		20.0	0.64	
NJ2	38.1	338	−P	01 36 45.0	−0.7			
			LZ	M_S=4.4		20.0	0.59	
WHN	38.7	332	+P	01 36 52.0	1.4			
			PMZ	m_b=5.3		1.5	0.080	
			LE	M_S=4.6		12.0	0.46	
GYA	40.0	319	P	01 37 01.6	0.6			
			PMZ	m_b=5.1		1.4	0.040	
			LN	M_S=4.9		16.0	0.80	
			LE			16.0	0.80	
			LZ	M_S=4.4		20.0	0.60	
KMI	41.8	314	+P	01 37 17.5	1.4			
			PMZ	m_b=5.5		2.0	0.15	
			LZ	M_S=4.3		22.0	0.50	
TIA	42.5	339	eP	01 37 21.0	−0.7			
			LZ	M_S=4.5		21.0	0.70	
DL2	43.6	345	P	01 37 30.0	−0.8			
			S	01 44 00.0	3.1			
			LZ	M_S=4.5		20.0	0.62	
XAN	44.2	329	P	01 37 34.9	−1.1			
CD2	44.9	322	P	01 37 41.0	0.0			
			PMZ	m_b=5.6		1.0	0.10	
			ePP	01 39 29.6	2.9			
			LZ	M_S=4.5		18.0	0.50	
TIY	45.6	335	+P	01 37 46.4	−0.7			
			PP	01 39 30.0	−3.9			
			LN	M_S=4.7		15.0	0.50	
			LZ	M_S=4.5		20.0	0.63	
BJI	46.3	341	eP	01 37 51.0	−1.0			
			PMZ	m_b=5.3		1.5	0.070	
			eS	01 44 42.0	6.1			
			LZ	M_S=4.3		18.0	0.30	
CN2	47.6	351	eP	01 38 00.5	−1.7			
			PMZ	m_b=4.7		1.0	0.010	
			PMZ	m_B=5.5		5.0	0.30	
			PcP	01 39 31.0	−0.6			
			LZ	M_S=4.9		20.0	1.50	
MDJ	47.9	355	eP	01 38 03.5	−1.2			
LZH	48.5	327	eP	01 38 10.0	0.2			
			PMZ	m_b=5.7		1.6	0.15	
			PMZ	m_B=5.6		6.0	0.50	
			PcP	01 39 37.5	2.6			
			PP	01 40 03.0	1.7			
			LE	M_S=5.1		16.0	1.24	
			LZ	M_S=4.4		24.0	0.52	
HHC	48.6	337	+P	01 38 10.8	0.0			
			pP	01 38 24.0	3.8			
			PP	01 40 05.0	2.1			
			eS	01 45 10.0	0.0			
			LN	M_S=4.6		8.0	0.16	
			LZ	M_S=4.6		19.0	0.61	
BTO	49.1	335	eP	01 38 13.6	−0.4			
			LN	M_S=4.7		13.0	0.20	
			LE			13.0	0.30	
LSA	52.8	311	P	01 38 43.5	0.4			
GTA	53.1	327	−P	01 38 44.4	−0.3			
			PMZ	m_b=5.4		1.6	0.080	
			PMZ	m_B=5.4		8.0	0.36	
			pP	01 38 53.8	−0.3			
			LE	M_S=4.7		12.0	0.28	
			LZ	M_S=4.7		18.0	0.58	
WMQ	62.9	324	P	01 39 53.5	0.2			
			PMZ	m_b=5.4		1.0	0.050	
			sP	01 40 04.5	−2.4			
			LZ	M_S=4.7		20.0	0.50	

AUG 30d 11h 06m 04.7±0.03s, SD0.74 / 29
12.24 N±0.30km, 142.14 E±0.32km, h94±0.16km
Western Caroline Islands (209)
m_b5.1 / 9,

TIY	36.7	319	eP	11 13 04.4	−0.4			
CD2	40.0	304	eP	11 13 31.8	−0.1			
GTA	46.1	314	+P	11 14 21.8	0.0			
			PMZ	m_b=4.8		0.8	0.010	
			sP	11 14 51.4	−3.5			

AUG 30d 14h 32m 12.4±0.06s, SD2.86 / 31
34.58 N±0.66km, 97.37 E±0.59km, h33±0.12km
Qinghai Province (325)
M_S4.2 / 8, M_L4.1 / 6, m_b4.2 / 1

GTA	5.2	21	ePn	14 33 32.2	3.6			
			Pg	14 33 50.2	5.8			
			SMN	M_L=3.8		1.0	0.034	
			SME			1.6	0.19	
			LE	M_S=4.2		10.0	2.83	
			LZ	M_S=3.8		8.0	0.71	
LZH	5.5	72	ePn	14 33 35.5	2.8			
			Pg	14 33 52.0	2.3			
			Sn	14 34 37.5	1.0			
			Sg	14 35 02.0	−3.0			
			SMN	M_L=4.5		1.8	0.49	
			SME			1.6	0.41	
			LN	M_S=4.0		8.0	1.37	
			LZ	M_S=4.0		6.0	0.78	
CD2	6.5	122	ePg	14 34 08.2	0.6			
			SMN	M_L=3.9		1.0	0.021	
			SME			1.6	0.13	
			LN	M_S=4.3		7.5	1.87	
			LZ	M_S=4.3		6.0	1.30	
LSA	7.2	229	Pn	14 34 00.4	4.5			
XAN	9.6	90	eP	14 34 29.5	−1.6			
			LN	M_S=4.2		10.0	1.16	
WMQ	11.9	324	eP	14 35 01.4	−1.3			
TIY	12.6	71	eP	14 35 16.4	4.3			
			LN	M_S=4.2		15.0	1.01	
HHC	12.9	57	P	14 35 17.0	1.1			
			LZ	M_S=4.0		12.0	0.62	

AUG 30d 15h 25m 15.5±0.05s, SD3.16 / 7
43.87 N±0.74km, 88.10 E±0.43km, h25±0.09km
Northern Xinjiang Province (332)
M_L3.1 / 6,

GTA	9.8	113	eP	15 27 36.2	−2.6			
			SME			1.0	0.0040	

AUG 31d 03h 36m 36.2±0.05s, SD3.34 / 7
38.53 N±0.49km, 103.89 E±0.35km, h13±0.17km
Gansu Province (322)
M_L3.5 / 6,

LZH	2.4	181	ePg	03 37 17.6	−1.9			
			Sg	03 37 58.0	5.3			
			SMN	M_L=3.5		1.0	0.32	
			SME			1.0	0.27	
GTA	3.3	287	Pn	03 37 29.0	1.0			
			Pg	03 37 33.1	−1.2			
			Sg	03 38 17.5	−1.9			

			SMN		$M_L = 2.8$		0.6	0.044
			SME				0.8	0.024
BTO	5.2	65	ePg	03 38 05.4		−2.3		

AUG 31d 04h 03m 15.3 ± 0.08s, SD2.58 / 17
40.06 N ± 0.76km, 77.78 E ± 0.52km, h22 ± 0.29km
Southern Xinjiang Province (321)
M_S4.3 / 2, M_L4.4 / 6,

KSH	1.5	250	Pg	04 03 40.0		−2.8		
			Sg	04 04 01.5		−2.3		
			SMN		$M_L = 4.4$		0.6	4.30
			SME				0.6	5.10
WMQ	8.3	60	P	04 05 17.0		−0.4		
			sP	04 05 32.0		4.8		
			S	04 06 49.5		−1.5		
			LN		$M_S = 4.7$		4.0	1.66
GTA	17.0	85	eP	04 07 12.0		−1.2		
			pP	04 07 18.0		−1.2		
			LE		$M_S = 4.0$		9.0	0.28
CD2	23.0	105	eP	04 08 22.0		2.2		
HHC	25.6	77	eP	04 08 46.2		0.7		

AUG 31d 16h 43m 46.2 ± 0.11s, SD1.55 / 90
22.38 S ± 0.78km, 68.31 W ± 0.21km, h110 ± 1.03km
Northern Chile (123)
m_b5.0 / 18,

WMQ	150.9	37	PKP	17 03 26.0	4.8
			pPKP	17 03 48.5	−1.6
			sPKP	17 04 07.0	5.0
GTA	160.2	28	−PKP	17 03 35.0	1.5
HHC	161.6	0	ePKP	17 03 36.4	1.5
BJI	162.0	349	ePKP	17 03 36.0	0.9
TIY	164.7	358	ePKP	17 03 39.0	1.0
LZH	164.7	25	ePKP	17 03 39.0	0.9
TIA	165.4	342	ePKP	17 03 39.2	0.6
SSE	167.9	318	PKP	17 03 41.0	0.7
XAN	168.1	11	PKP	17 03 41.5	1.0
CD2	168.9	38	ePKP	17 03 42.0	1.0

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