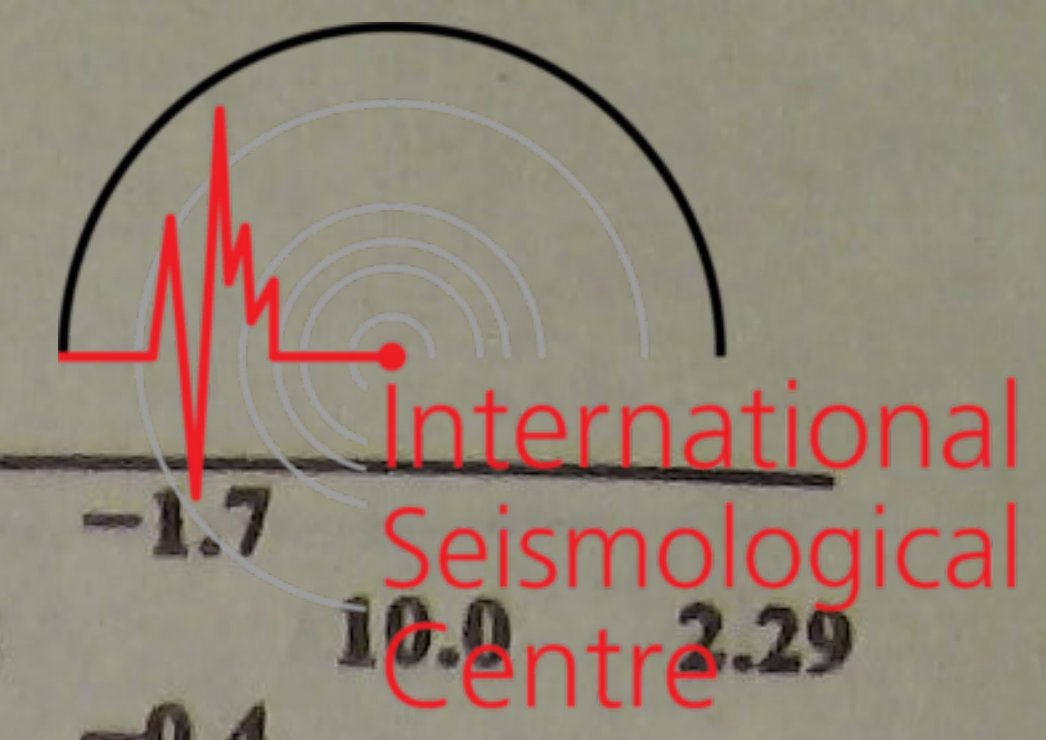


Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)
APR 1d 01h 27m 15.7\pm0.09s, SD1.78 / 41 47.53 N \pm 1.10km, 89.52 E \pm 0.90km, h8 \pm 0.50km Northern Xinjiang Province (332) M _S 4.4 / 9, M _L 4.3 / 3,								APR 1d 18h 36m 01.4\pm0.11s, SD0.76 / 26 7.19 S \pm 1.65km, 103.35 E \pm 1.42km, h33 \pm 0.02km South-west of Sumatera (273) M _S 4.7 / 1,							
WMQ	3.9	200	Pu	01 28 19.4	2.6			GYA	33.6	5	P	18 42 42.2	0.8		
			Pg	01 28 28.0	2.9						pP	18 42 51.2	0.8		
			Sn	01 29 06.4	1.3			CD2	37.9	1	P	18 43 18.0	0.3		
			Sg	01 29 20.0	1.1			LZH	43.0	1	eP	18 44 00.0	-0.5		
GTA	11.0	134	+P	01 29 53.8	-3.5			TIY	45.5	10	-P	18 44 20.5	0.6		
			LE		M _S =4.4	9.0	1.42				LN			12.0	0.21
			LZ		M _S =4.4	9.0	1.33				LE			12.0	0.28
BTO	16.3	108	eP	01 31 09.1	2.7			GTA	46.5	356	+P	18 44 28.3	0.4		
			sP	01 31 19.0	4.9			BJI	48.5	13	eP	18 44 43.5	0.2		
			LN		M _S =4.1	8.0	0.20	WMQ	52.7	346	P	18 45 16.0	0.3		
			LE			8.0	0.20	CN2	54.6	20	eP	18 45 27.5	-1.7		
HHC	17.1	105	eP	01 31 19.8	2.3			APR 2d 04h 24m 03.5\pm0.16s, SD2.18 / 38 18.61 N \pm 1.77km, 120.65 E \pm 1.23km, h21 \pm 1.63km Luzon (249) M _S 3.9 / 1, M _L 4.1 / 7,							
TIY	19.4	112	eP	01 31 45.2	-0.5			GZH	8.2	304	+P	04 26 01.0	-2.7		
			LN		M _S =4.6	12.0	0.64				S	04 27 30.0	-5.9		
			LE			12.0	0.90	QZN	10.2	274	+iP	04 26 28.8	-3.8		
			LZ		M _S =4.5	14.0	1.31				SMN			1.0	0.070
XAN	19.9	126	eP	01 31 48.8	-1.7						S	04 28 22.1	-5.5		
			LN		M _S =4.6	9.0	0.79	WHN	13.2	335	eP	04 27 12.5	0.0		
			LE			11.0	0.46	NJ2	13.5	353	eP	04 27 15.0	-1.4		
BJI	20.6	102	eP	01 31 58.0	0.0			TIA	17.8	351	eP	04 28 13.3	1.3		
			LN		M _S =4.4	10.0	0.28	XAN	18.6	328	eP	04 28 21.4	-0.4		
			LE			10.0	0.46	CD2	19.6	312	eP	04 28 32.8	-0.7		
TIA	23.3	109	eP	01 32 26.8	1.1			TIY	20.3	341	+P	04 28 41.3	-0.3		
GYA	25.0	141	P	01 32 41.2	-0.6						S	04 32 20.0	-3.2		
QZN	32.9	143	eP	01 33 52.0	-1.1						LN			12.0	0.21
APR 1d 14h 26m 40.3\pm0.09s, SD0.82 / 69 18.77 S \pm 0.64km, 177.85 W \pm 1.23km, h573 \pm 0.92km Fiji region (181) m _b 5.5 / 8, m _b 6.1 / 1,								M _S =3.9 M _S =4.1 M _S =4.3 M _S =5.4 M _S =5.6 M _S =5.5							
SSE	76.7	310	eP	14 37 35.0	0.0			BJI	21.7	351	eP	04 28 56.0	0.6		
			PcP	14 37 40.0	-3.4			LZH	22.9	323	eP	04 29 08.0	0.8		
			sP	14 40 28.0	-3.7			BTO	23.7	340	eP	04 29 14.8	-0.9		
			eS	14 46 36.0	-0.7			GTA	27.5	323	P	04 29 50.0	-0.8		
NJ2	78.9	309	-iP	14 37 47.0	0.2										
			S	14 47 01.0	2.9										
GZH	79.0	299	P	14 37 48.3	0.9										
MDJ	79.2	325	-P	14 37 48.5	0.1										
			pP	14 39 53.0	4.0										
			sP	14 40 50.0	4.3										
			S	14 47 07.5	6.4										
DL2	80.6	316	SMN		m _b =5.9	6.0	1.40								
			-P	14 37 55.0	-0.5										
			eS	14 47 18.0	1.2										
SNY	81.0	320	SME		m _b =5.1	9.0	0.33								
			-iP	14 37 56.0	-1.6										
			sP	14 40 58.0	2.6										
			S	14 47 20.0	0.8										
CN2	81.0	322	SME		m _b =5.4	8.0	0.63								
			IP	14 37 57.5	-0.4										
			PMZ			3.0	0.40								
			pP	14 40 00.5	1.4										
			eS	14 47 20.0	-1.3										
WHN	81.5	306	SME		m _b =5.6	7.0	0.80								
			-P	14 38 01.0	0.6										
			sP	14 41 02.0	3.5										
			S	14 47 28.0	3.3										
TIA	82.2	312	SME		m _b =5.5	6.0	0.60								
			eP	14 38 03.2	-0.7										
			S	14 47 32.5	1.1										



APR 2d 04h 48m 06.9 ± 0.19s, SD1.57 / 20
 19.65 N ± 4.26km, 156.37 W ± 2.00km, h7 ± 0.17km
 Hawaiian Islands (613)

CN2	68.3	310	eP	04 59 10.8	-0.4		
BJI	75.7	308	eP	04 59 56.5	0.8		
BTO	80.1	310	eP	05 00 17.8	-2.3		
GTA	87.9	311	P	05 00 59.1	-0.3		

APR 2d 05h 14m 17.6 ± 0.07s, SD1.00 / 41
 30.98 S ± 1.09km, 179.63 W ± 1.43km, h340 ± 0.57km
 Kermadec Islands region (177)
 m_B5.4 / 1, m_S5.5 / 1,

SSE	83.4	312	P	05 26 08.0	-1.5		
NJ2	85.6	312	eP	05 26 20.0	0.0		
WHN	87.6	308	eP	05 26 29.0	-0.7		
MDJ	88.3	326	-P	05 26 33.0	-0.2		
TIA	89.3	314	+P	05 26 38.1	0.1		
SNY	89.3	321	+iP	05 26 37.6	-0.4		
CN2	89.8	324	iP	05 26 39.0	-0.9		
			PMZ		m _B = 5.5	2.0	0.30
			pP	05 27 59.0	0.1		
			S	05 37 02.0	2.8		
			SMN		m _B = 5.4	5.0	0.40
GYA	90.6	301	+P	05 26 44.6	0.5		
BJI	92.4	316	eP	05 26 52.0	0.0		
			eSKS	05 36 48.0	-2.1		
			eS	05 37 28.0	4.4		

APR 2d 05h 30m 54.9 ± 0.07s, SD1.46 / 36
 48.56 N ± 2.58km, 153.10 E ± 1.82km, h159 ± 0.92km
 Kurile Islands (221)

CN2	19.7	266	+P	05 35 11.8	-2.2		
HHC	30.2	271	+P	05 36 53.0	-0.1		
TIY	31.3	265	eP	05 37 03.3	1.0		
BTO	31.4	272	eP	05 36 59.4	-3.8		
WHN	34.4	253	eP	05 37 29.5	0.2		
GTA	38.7	277	P	05 38 05.9	0.3		
CD2	41.1	263	-iP	05 38 25.4	0.6		
GYA	42.1	256	-P	05 38 34.4	0.8		
WMQ	44.3	289	P	05 38 51.5	0.5		

APR 2d 06h 27m 30.2 ± 0.10s, SD2.19 / 34
 30.20 N ± 1.04km, 99.59 E ± 1.09km, h11 ± 0.28km
 Sichuan Province (307)
 M_S4.2 / 3, M_L3.9 / 7,

CD2	3.7	78	ePn	06 28 31.0	3.8		
			Pg	06 28 37.3	2.4		
			Sg	06 29 23.7	-1.3		
			SMN		M _L = 4.0	1.4	0.37
			SME			1.2	0.38
KMI	5.8	150	ePn	06 29 00.0	3.6		
			Pg	06 29 18.0	5.9		
			SMN			2.5	0.27
			SME			2.5	0.36
GYA	7.3	119	P	06 29 18.8	-0.3		
			pP	06 29 22.0	-1.8		
			LN		M _S = 4.2	8.0	1.50
			LE			8.0	0.70
LSA	7.3	268	eP	06 29 22.0	1.4		
XAN	8.8	62	eP	06 29 39.0	-1.4		
			LN		M _S = 4.1	10.0	0.86
			LE			8.0	0.41
CN2	24.6	49	eP	06 32 52.0	0.2		

APR 2d 14h 26m 28.2 ± 0.11s, SD1.21 / 76
 15.49 S ± 2.03km, 172.89 W ± 2.04km, h30 ± 0.27km
 Tonga (173)
 M_S5.9 / 31, m_B6.3 / 46, m_S5.7 / 1,

QZH	77.9	300	+P	14 38 24.0	-1.7		
			PMZ		m _B = 6.1	10.0	2.29
SSE	78.4	307	P	14 38 28.0	-0.4		
			SKS	14 48 33.0	-1.7		
			LE		M _S = 5.7	18.0	2.26
			LZ		M _S = 5.6	20.0	3.24
MDJ	79.4	322	+P	14 38 33.2	-0.7		
			PP	14 41 30.0	-4.7		
			S	14 48 30.0	-0.3		
			SKS	14 48 42.0	0.2		
NJ2	80.6	307	+P	14 38 40.5	0.2		
			PMZ		m _B = 6.2	7.5	2.15
			LZ		M _S = 5.5	20.0	2.08
CN2	81.5	320	iP	14 38 44.0	-0.9		
			PMZ		m _B = 6.4	6.0	2.50
			ePP	14 41 50.0	-2.4		
			PPMZ			8.0	0.70
			eS	14 48 50.0	-3.6		
			SMN		m _B = 6.4	9.0	2.20
			SME			9.0	1.10
			LE		M _S = 6.1	20.0	5.00
			LZ		M _S = 6.0	20.0	7.20
DL2	81.6	314	+iP	14 38 45.5	0.0		
			PMZ		m _B = 6.3	6.0	2.22
			PP	14 41 48.5	-4.8		
			SMN		m _B = 6.4	8.0	1.88
			SME			8.0	1.85
			SS	14 54 20.0	6.3		
			LN		M _S = 5.8	16.0	1.93
SNY	81.7	317	+iP	14 38 45.6	-0.3		
			PMZ		m _B = 6.3	10.0	3.33
			PP	14 41 48.0	-5.9		
			S	14 49 00.0	6.0		
			SMN		m _B = 6.4	11.0	2.74
			SME			9.0	1.44
			LN		M _S = 6.0	20.0	2.30
			LE			18.0	2.81
			LZ		M _S = 5.8	19.0	4.56
GZH	81.7	297	iP	14 38 46.5	0.6		
			PMZ		m _B = 6.2	9.0	2.23
			LE		M _S = 5.9	22.0	3.68
QZN	83.4	292	P	14 38 54.2	-0.6		
			SMN		m _B = 6.1	11.0	1.40
			SME			12.0	1.20
			LE		M _S = 5.9	23.0	3.80
WHN	83.5	304	+iP	14 38 56.0	0.5		
			PMZ		m _B = 6.3	10.0	3.20
			S	14 49 12.0	-0.9		
			SMN		m _B = 6.3	10.0	2.30
			LE		M _S = 5.8	18.0	2.50
			LZ		M _S = 5.9	20.0	5.10
TIA	83.6	310	eP	14 38 55.7	-0.3		
			PMZ		m _B = 6.3	8.0	2.39
			ePP	14 42 10.0	0.4		
			S	14 49 18.0	4.2		
			SMN		m _B = 6.5	10.0	2.36
			SME			10.0	2.76
			eSS	14 54 49.0	5.4		
			LN		M _S = 5.8	15.0	0.90
			LE			15.0	1.96
BJI	85.9	313	eP	14 39 07.0	-0.2		
			PMZ		m _B = 6.3	8.0	2.34
			LE		M _S = 5.6	20.0	1.64
			LZ		M _S = 5.7	24.0	3.57
TIY	87.7	310	+P	14 39 16.8	0.7		
			PMZ		m _B = 6.4	7.0	2.49
			PP	14 42 39.0	-4.0		
			S	14 49 47.0	-6.1		

	sS	14 50	11.0	1.2		TIY	87.6	310	eP	15 09	45.4	0.2			
	LN		$M_s=6.1$	19.0	3.86	XAN	89.0	306	P	15 09	53.0	1.0			
	LE			18.0	2.52	HHC	89.3	313	P	15 09	52.5	-1.1			
	LZ		$M_s=5.9$	22.0	4.92	BTO	90.3	312	eP	15 10	00.0	1.6			
GYA	88.5	298	+P	14 39	21.0	0.9	LZH	93.6	306	eP	15 10	14.0	0.6		
	PMZ		$m_B=6.1$	7.0	1.00	APR 2d 19h 45m $03.7 \pm 0.21s$, SD2.76 / 27 5.45 S \pm 5.55km, 80.54 W \pm 5.00km, h19 \pm 1.59km Near coast of Northern Peru (109)									
	PP	14 42	49.0	-0.7		BJI	142.4	339	ePKP	20 04	36.0	-0.4			
	SKS	14 49	44.0	0.5		BTO	143.7	346	ePKP	20 04	35.0	-3.8			
	S	14 49	56.0	-4.9		TIY	145.8	342	ePKP	20 04	40.6	-1.8			
	SME		$m_B=6.3$	11.0	3.00	GTA	146.2	360	PKP	20 04	42.4	-0.7			
XAN	89.1	306	-P	14 39	24.0	1.3	SSE	147.3	324	ePKP	20 04	45.0	0.1		
	PMZ		$m_B=6.3$	8.0	1.67				PKP2	20 04	50.6	0.7			
	PP	14 42	50.0	-4.2		NJ2	147.9	328	ePKP	20 04	46.5	0.7			
HHC	89.4	313	-P	14 39	23.8	-0.7	LZH	149.2	353	ePKP	20 04	51.0	2.9		
	SMN		$m_B=6.5$	10.0	3.05	XAN	150.2	344	PKP	20 04	53.0	3.4			
	SME			11.0	3.19	WHN	151.4	332	ePKP	20 04	56.5	5.3			
	SS	14 56	05.0	-3.3		APR 2d 20h 27m $57.1 \pm 0.07s$, SD1.03 / 49 6.88 S \pm 0.94km, 155.65 E \pm 1.23km, h62 \pm 0.52km Solomon Islands (193)									
BTO	90.5	312	+iP	14 39	30.0	0.7	SSE	50.1	321	eP	20 36	48.5	-0.1		
	PMZ		$m_B=6.5$	7.0	2.00		QZN	52.0	301	eP	20 37	03.1	0.7		
	ePP	14 43	02.0	-2.9		NJ2	52.2	320	eP	20 37	05.0	0.5			
	SKS	14 49	50.0	-5.3		CN2	57.4	334	eP	20 37	41.5	-0.4			
	iS	14 50	15.0	-5.6		GYA	57.9	307	P	20 37	46.2	0.5			
	LN		$M_s=5.9$	18.0	1.70	TIY	59.9	321	eP	20 38	02.0	2.4			
	LE			18.0	2.10	XAN	60.1	316	P	20 37	59.6	-1.1			
	LZ		$M_s=5.8$	18.0	3.60	KMI	60.5	304	eP	20 38	04.0	0.3			
KMI	91.5	296	+P	14 39	35.0	0.7	CD2	62.2	310	+iP	20 38	15.4	0.1		
	PP	14 43	10.0	-3.2		LZH	64.7	315	eP	20 38	31.5	-0.1			
	LE		$M_s=5.9$	20.0	3.10	GTA	69.1	317	eP	20 38	59.0	-0.4			
	LZ		$M_s=5.8$	38.0	7.00	KSH	86.5	310	P	20 40	33.0	-2.2			
CD2	92.3	301	eP	14 39	37.8	0.2	APR 2d 22h 00m $12.8 \pm 0.19s$, SD1.78 / 31 15.35 S \pm 2.72km, 173.21 W \pm 1.96km, h21 \pm 0.54km Tonga (173)								
LZH	93.7	306	eP	14 39	44.5	0.4	CN2	81.2	320	-P	22 12	29.0	-0.3		
	PMZ		$m_B=6.3$	8.0	1.04				pP	22 12	38.0	1.4			
	eSKS	14 50	12.0	-1.5					eS	22 22	40.0	2.7			
	sS	14 51	00.0	-3.6					LZ		$M_s=4.8$	22.0	0.50		
	SME		$m_B=6.0$	11.0	1.25	SNY	81.4	318	eP	22 12	30.4	0.1			
	LN		$M_s=6.0$	20.0	1.99	TIA	83.3	310	eP	22 12	40.5	0.1			
	LE			20.0	2.83	BJI	85.6	313	eP	22 12	51.5	-0.2			
GTA	97.6	309	P	14 40	01.4	-0.7			eS	22 23	28.0	6.6			
	PMZ		$m_B=6.3$	8.5	0.61				LZ		$M_s=4.9$	22.0	0.52		
	PP	14 44	00.0	-1.6		GYA	88.2	298	eP	22 13	07.4	2.8			
	LE		$M_s=6.1$	21.0	4.29	XAN	88.7	306	eP	22 13	07.6	0.4			
	LZ		$M_s=6.0$	21.0	5.47	HHC	89.1	313	+P	22 13	10.0	0.9			
WMQ	107.3	312	Pdif	14 40	45.5	0.4	BTO	90.1	312	eP	22 13	14.0	0.1		
KSH	116.0	307	ePKP	14 45	09.0	-0.3	GTA	97.3	309	eP	22 13	44.6	-2.1		
	SKS	14 52	12.0	-3.6		APR 3d 01h 33m $04.8 \pm 0.06s$, SD1.03 / 94 49.92 N \pm 1.01km, 78.87 E \pm 0.89km, h0 \pm km Eastern Kazakhstan (329) $M_s=5.2 / 25$, $M_L=5.6 / 2$, $m_B=6.1 / 3$,									
	LE		$M_s=6.2$	16.0	2.70	WMQ	8.6	132	+iP	01 35	13.2	-0.4			
APR 2d 14h 42m $54.1 \pm 0.13s$, SD1.59 / 26 15.55 S \pm 2.74km, 172.99 W \pm 2.07km, h31 \pm 0.24km Tonga (173)									S	01 36	46.8	-5.4			
CN2	81.5	320	eP	14 55	10.0	-0.5			LE		$M_s=5.7$	4.0	17.5		
SNY	81.6	317	eP	14 55	11.2	-0.3			LZ		$M_s=5.5$	5.0	12.9		
BJI	85.9	313	eP	14 55	31.5	-1.3									
TIY	87.6	310	eP	14 55	39.3	-2.3			KSH	10.6	192	eP	01 35	38.0	-3.5
XAN	89.0	306	eP	14 55	48.8	0.5									
HHC	89.4	313	+P	14 55	51.2	1.1									
BTO	90.4	312	eP	14 55	55.6	0.7									
APR 2d 14h 56m $58.7 \pm 0.13s$, SD1.19 / 24 15.17 S \pm 1.62km, 172.75 W \pm 1.28km, h36 \pm 0.50km Tonga (173)									eS	01 37	36.0	-6.5			
CN2	81.3	320	+P	15 09	13.3	-0.5									
			pP	15 09	19.8	-4.1									
SNY	81.5	317	eP	15 09	15.0	0.1									
BJI	85.8	313	eP	15 09	36.0	-0.3									
									LN		$M_s=5.6$	6.0	15.3		

CD2	27.6	18	LZ	$M_s = 6.2$	12.0	37.4	eSS	14 43 00.0	-2.5	14.0	33.9	
			P	14 32 53.4	-1.7		LN	$M_s = 6.2$		14.0	5.50	
			sP	14 33 10.5	3.2		LE			16.0	14.2	
			S	14 37 30.3	-1.8		LZ	$M_s = 5.9$				
			sS	14 37 45.5	-1.6		cP	14 34 30.5	0.0			
QZH	30.7	47	LE	$M_s = 6.3$	12.0	32.9	sP	14 34 44.0	1.1			
			LZ	$M_s = 5.9$	11.5	18.3	PP	14 36 03.0	0.7			
			eP	14 33 25.0	1.4		S	14 40 24.0	0.6			
			S	14 38 28.0	5.1		SME	$m_B = 6.1$	8.0	2.70		
			LN	$M_s = 6.1$	17.0	20.9	sS	14 40 37.0	-1.8			
WHN	31.9	34	-iP	14 33 34.0	0.5		LE	$M_s = 6.0$	14.0	9.20		
			pP	14 33 43.0	1.0		+P	14 34 36.4	0.5			
			S	14 38 37.0	-3.5		ePP	14 36 11.0	1.2			
			LE	$M_s = 6.5$	13.0	38.3	S	14 40 28.0	-5.1			
			LZ	$M_s = 6.7$	12.0	89.4	SMN	$m_B = 5.8$	8.0	1.45		
XAN	32.2	23	+P	14 33 34.4	-2.0		sS	14 40 48.0	-0.5			
			sP	14 33 50.0	1.4		LN	$M_s = 6.2$	16.0	14.0		
			S	14 38 42.0	-3.5		LE		12.0	6.60		
			sS	14 39 03.0	2.3		+iP	14 34 38.4	0.4			
			LN	$M_s = 6.3$	14.0	19.5	S	14 40 36.4	-0.7			
LZH	32.5	14	LE		14.0	20.1	SME	$m_B = 6.4$	6.0	4.28		
			eP	14 33 38.0	-0.8		SS	14 43 25.0	0.3			
			PP	14 34 41.0	-5.6		LN	$M_s = 5.9$	16.0	6.73		
			eS	14 38 46.0	-4.9		LE		20.0	7.11		
			SME	$m_B = 5.5$	8.0	0.89	LZ	$M_s = 5.4$	22.0	6.14		
GTA	34.9	7	LN	$M_s = 6.0$	12.0	3.10	BJI	40.3 26	eP	14 34 45.5	0.3	
			LE		11.0	9.97	cpP	14 34 58.0	4.1			
			+iP	14 33 59.2	-1.0		ePP	14 36 24.0	2.1			
			S	14 39 27.0	-1.2		eS	14 40 48.0	-3.1			
			LN	$M_s = 5.7$	14.5	5.91	LN	$M_s = 6.0$	15.0	7.25		
NJ2	35.6	37	LZ	$M_s = 5.4$	20.0	6.87	LE		15.0	7.02		
			-iP	14 34 05.6	0.1		+iP	14 35 01.5	1.8			
			sP	14 34 23.0	5.1		pP	14 35 10.0	1.5			
			S	14 39 32.5	-5.7		S	14 41 18.0	1.7			
			LN	$M_s = 6.7$	12.0	30.5	sS	14 41 32.0	-0.3			
SSE	36.4	41	LE		12.0	34.6	DL2	42.1 32	LN	$M_s = 6.3$	14.0	17.3
			LZ	$M_s = 6.3$	14.0	38.2	LE		13.0	7.77		
			P	14 34 13.0	0.6		SNY	45.2 31	-iP	14 35 25.0	-0.2	
			pP	14 34 22.0	0.9		pP	14 35 33.0	-1.0			
			PP	14 35 36.0	0.2		ScP	14 40 56.0	2.3			
TIY	36.8	24	PcP	14 36 37.0	0.9		S	14 41 55.0	-7.1			
			S	14 39 52.0	1.4		SMN	$m_B = 5.9$	9.0	1.24		
			ScP	14 40 22.0	2.9		SME		9.0	0.80		
			SS	14 42 20.0	3.2		LN	$M_s = 6.3$	13.0	5.29		
			LN	$M_s = 6.5$	12.0	11.3	LE		13.0	14.0		
TIA	37.7	31	LE		13.0	29.4	LZ	$M_s = 6.0$	13.0	13.1		
			LZ	$M_s = 5.7$	20.0	11.6	CN2	47.6 30	eP	14 35 43.0	-1.0	
			+iP	14 34 16.5	0.7		PMZ	$m_B = 5.9$	4.0	0.70		
			pP	14 34 26.5	2.2		pP	14 35 53.0	0.2			
			S	14 39 51.5	-5.1		PP	14 37 35.0	0.8			
BTO	38.4	19	ScP	14 40 26.5	5.9		PPMZ		5.0	1.10		
			LN	$M_s = 6.6$	16.0	43.1	eS	14 42 34.0	-3.0			
			LE		16.0	29.3	SMN	$m_B = 5.9$	8.0	1.30		
			LZ	$M_s = 6.5$	16.0	62.8	LN	$M_s = 6.2$	13.0	10.5		
			-P	14 34 23.4	-0.1		LZ	$M_s = 5.8$	19.0	10.9		
MDJ	50.3	32	pP	14 34 34.0	1.8		+P	14 36 04.0	-1.0			
			PP	14 35 54.0	1.8		PP	14 38 02.0	1.3			
			S	14 40 06.0	-4.7		S	14 43 10.0	-3.8			
			LN	$M_s = 6.3$	14.0	15.5	SS	14 46 46.0	1.5			
			LE		14.0	15.6	LZ	$M_s = 5.9$	13.0	8.10		
WHN	140.8	280	LZ	$M_s = 6.0$	14.0	16.5						
			P	14 34 30.0	0.4		APR 3d 17h 34m $59.3 \pm 0.20s$, $SD2.36 / 31$					
			pP	14 34 40.0	1.7		$32.76 S \pm 3.54km$, $111.86 W \pm 4.21km$, $h5 \pm 0.88km$					
			PP	14 36 04.0	3.1		Easter Island Cordillera (684)					
			PPMZ		7.0	1.10	WHN	17 54 31.5	-0.2			
TIY	143.7	291	S	14 40 20.0	-1.8		PKP	17 54 33.7	-3.0			
			SMN	$m_B = 5.7$	10.0	1.10	LZ	$M_s = 5.4$	29.0	0.91		
			SME		9.0	0.90	HHC	144.6 296	PKP	17 54 37.0	-1.3	

BTO	145.8	295	ePKP	17 54 39.0	-1.3
GYA	146.1	270	PKP	17 54 40.8	0.0
XAN	146.1	284	PKP	17 54 40.0	-0.8
KMI	148.9	265	PKP	17 54 49.0	3.5
CD2	149.8	276	PKP	17 54 51.6	4.8
LZH	150.5	286	ePKP	17 54 52.5	4.5
GTA	153.6	294	ePKP	17 54 50.6	-2.0

APR 3d 18h 36m 31.4 ± 0.15s, SD1.61 / 18
4.63 N ± 2.66km, 94.47 E ± 2.03km, h25 ± 0.53km
Off west coast of Northern Sumatera (705)

KMI	21.9	20	eP	18 41 28.0	3.3
GYA	24.6	27	P	18 41 52.4	0.7
LSA	25.1	353	P	18 41 56.0	-0.8
XAN	32.2	23	P	18 42 57.6	-2.5
GTA	35.0	7	P	18 43 22.1	-2.0
			LZ	M _S =4.2	25.0 0.48
WMQ	39.5	352	P	18 44 03.0	1.0

APR 3d 19h 51m 47.5 ± 0.07s, SD2.00 / 8
34.13 N ± 0.43km, 122.51 E ± 0.65km, h26 ± 0.57km
Yellow Sea (665)
M_L3.1 / 11,

SSE	3.2	201	Pn	19 52 38.0	1.0
			Pg	19 52 45.3	0.7
			Sn	19 53 19.5	3.2
			Sg	19 53 26.7	-2.1
			SMN	M _L =3.3	0.7 0.070
			SME		0.7 0.14
NJ2	3.7	237	ePg	19 52 53.0	0.0
			SME	M _L =3.1	0.5 0.050
TIA	4.9	297	ePg	19 53 11.8	-1.9
			eSg	19 54 17.2	-3.1
			SMN	M _L =3.1	0.7 0.020
			SME		0.6 0.030
			SMZ	M _L =3.2	0.5 0.020

APR 3d 21h 14m 22.9 ± 0.40s, SD1.42 / 23
4.83 N ± 3.17km, 94.51 E ± 1.45km, h24 ± 1.24km
Off west coast of Northern Sumatera (705)

GYA	24.4	27	P	21 19 43.0	1.6
XAN	32.0	23	P	21 20 48.6	-1.4
GTA	34.8	7	+iP	21 21 13.1	-0.8
WMQ	39.3	352	P	21 21 53.0	1.0

APR 4d 00h 02m 23.0 ± 0.04s, SD1.19 / 7
39.58 N ± 0.41km, 118.87 E ± 0.31km, h14 ± 0.17km
North-Eastern China (658)
M_L3.0 / 9,

SNY	4.2	56	ePg	00 03 37.6	0.0
			Sg	00 04 36.4	1.1
			SMN	M _L =2.7	1.0 0.020
			SME		0.6 0.010

APR 4d 04h 58m 27.6 ± 0.07s, SD3.41 / 9
38.28 N ± 1.31km, 125.84 E ± 0.84km, h7 ± 1.44km
South Korea (231)
M_L3.3 / 6,

DL2	3.4	282	ePn	04 59 20.0	-0.8
			Pg	04 59 24.0	-2.9
			Sg	05 00 09.6	-3.2
			SMN	M _L =3.3	0.5 0.13
			SME		0.5 0.070
SNY	3.9	335	iPn	04 59 27.9	-0.9
			Sn	05 00 20.4	3.0
			SMN	M _L =3.4	0.9 0.060
			SME		0.9 0.090
CN2	5.5	357	Pn	04 59 52.5	1.9

			eSn	05 01 00.8	4.3
			SMN	M _L =3.3	0.6 0.030
			SME		0.6 0.030
MDJ	6.9	23	ePn	05 00 11.6	1.7

APR 4d 08h 29m 31.5 ± 0.20s, SD4.24 / 5
38.48 N ± 1.88km, 125.42 E ± 0.97km, h18 ± 0.06km
South Korea (231)
M_L3.4 / 4,

DL2	3.0	279	Pn	08 30 19.5	0.8
			Pg	08 30 24.0	-0.6
			Sg	08 31 05.0	-0.7
			SMN	M _L =3.2	0.5 0.090
			SME		0.5 0.090
SNY	3.6	338	iPn	08 30 27.1	-0.3
			SMN	M _L =3.4	0.9 0.090
			SME		0.9 0.12
CN2	5.3	0	ePn	08 30 53.5	2.9
			SMN	M _L =3.4	0.6 0.040
			SME		0.6 0.040
MDJ	6.9	26	ePn	08 31 15.0	2.9

APR 4d 15h 12m 12.3 ± 0.10s, SD1.56 / 81
30.34 N ± 1.29km, 131.24 E ± 1.42km, h28 ± 0.28km
Ryukyu Islands (238)
M_S5.0 / 25, m_n5.2 / 3,

SSE	8.7	278	P	15 14 19.0	-0.1
			pP	15 14 24.0	-1.7
			eS	15 16 00.0	2.9
			sS	15 16 10.0	2.3
			LE	M _S =4.9	13.0 8.26
NJ2	10.7	282	-P	15 14 48.2	0.7
			pP	15 14 56.5	2.3
			S	15 16 54.0	6.4
			LN	M _S =4.7	12.0 1.26
			LE		14.0 3.58
DL2	11.6	320	eP	15 15 00.0	0.3
			eS	15 17 09.0	-0.8
			LN	M _S =4.9	16.0 4.76
			LE		12.0 3.72
SNY	13.0	334	+iP	15 15 19.0	0.7
			LN	M _S =4.9	15.0 3.83
			LE		14.0 2.97
			LZ	M _S =4.9	16.0 7.46
TIA	13.2	300	eP	15 15 21.6	1.2
			eS	15 17 51.4	4.4
			LN	M _S =5.0	12.0 2.80
			LE		12.0 4.60
			LZ	M _S =4.7	12.0 3.30
CN2	14.2	343	+P	15 15 35.0	1.2
			eS	15 18 14.0	2.5
			LZ	M _S =5.0	15.0 8.20
MDJ	14.3	355	eP	15 15 38.0	2.8
			eS	15 18 17.0	2.9
			LZ	M _S =4.6	25.0 4.40
WHN	14.6	275	eP	15 15 41.0	2.3
			pP	15 15 50.0	4.6
			LE	M _S =4.8	15.0 3.50
			LZ	M _S =4.7	18.0 4.30
BJI	15.6	312	eP	15 15 53.0	0.4
			S	15 18 48.0	3.2
			LE	M _S =5.0	13.0 4.30
TIY	17.2	300	eP	15 16 13.0	0.3
			sP	15 16 25.0	1.1
			sS	15 19 38.0	5.1
			LN	M _S =5.0	12.0 1.76
			LE		13.0 2.91
			LZ	M _S =5.1	14.0 6.18

					APR 4d 19h 43m 42.3 ± 0.11s, SD1.56 / 24				
					7.58 S ± 1.13km, 127.77 E ± 1.09km, h168 ± 1.14km				
					Timor (289)				
LZH	23.5	291	eP	15 48 10.5	-0.3				
			PMZ		$m_B = 5.6$	7.0	2.06		
			eS	15 52 18.5	0.1				
			SME		$m_B = 6.1$	9.0	4.49		
			LN		$M_S = 6.1$	12.0	9.50		
			LE			14.0	29.7		
CD2	23.6	278	P	15 48 09.5	-1.8				
			S	15 52 20.5	2.0				
			LN		$M_S = 6.2$	12.0	21.1		
			LE			12.0	21.1		
			LZ		$M_S = 6.0$	12.0	29.8		
KMI	25.7	265	eP	15 48 30.0	-1.6				
			PP	15 49 12.0	0.7				
			iS	15 52 54.0	-1.1				
			LN		$M_S = 5.8$	12.0	7.50		
			LE			12.0	7.00		
			LZ		$M_S = 5.9$	10.0	17.9		
GTA	27.2	298	P	15 48 44.1	-0.9				
			PMZ		$m_B = 5.5$	7.5	0.91		
			S	15 53 18.0	0.3				
			sS	15 53 33.0	-3.8				
			LE		$M_S = 6.1$	13.0	22.2		
			LZ		$M_S = 6.1$	13.0	29.1		
WMQ	36.8	304	P	15 50 07.0	-1.9				
			PP	15 51 28.8	-5.4				
			S	15 55 48.0	-0.3				
			LN		$M_S = 6.0$	20.0	17.4		
			LZ		$M_S = 6.1$	16.0	24.4		
KSH	45.6	297	eP	15 51 21.5	0.0				
			ePP	15 53 08.0	-0.2				
			eS	15 58 02.0	1.6				
			LE		$M_S = 6.2$	13.0	12.1		
APR 4d 16h 30m 37.7 ± 0.09s, SD1.72 / 59					APR 5d 13h 45m 06.3 ± 0.11s, SD2.60 / 11				
30.42 N ± 1.32km, 131.29 E ± 1.51km, h46 ± 0.67km					25.02 N ± 1.09km, 115.79 E ± 0.94km, h11 ± 0.15km				
Ryukyu Islands (238)					Near south-eastern coast of China (242)				
$M_S 4.8 / 4,$					$M_L 3.3 / 14,$				
SSE	8.7	277	+P	16 32 44.3	0.1				
			pP	16 32 52.0	0.9				
NJ2	10.8	282	+P	16 33 11.4	-0.9				
SNY	13.0	333	eP	16 33 42.9	1.0				
			LN		$M_S = 5.1$	5.0	1.34		
			LE			5.0	2.53		
TIA	13.2	300	eP	16 33 43.9	-0.8				
CN2	14.1	342	eP	16 33 59.0	1.8				
			pP	16 34 04.8	-1.0				
			eS	16 36 40.0	7.0				
			LN		$M_S = 4.9$	12.0	3.40		
			LZ		$M_S = 4.5$	20.0	3.50		
WHN	14.6	275	eP	16 34 03.0	-0.4				
BJI	15.6	312	P	16 34 17.0	0.5				
TIY	17.2	300	eP	16 34 37.1	0.3				
			LN		$M_S = 4.7$	15.0	1.55		
			LE			15.0	1.74		
			LZ		$M_S = 4.5$	20.0	2.24		
HHC	19.1	308	eP	16 34 58.6	-0.9				
XAN	19.3	287	P	16 34 59.5	-1.9				
BTO	20.0	306	eP	16 35 09.2	-0.7				
GYA	22.0	266	P	16 35 31.4	1.4				
			pP	16 35 40.0	-0.8				
CD2	23.7	278	P	16 35 46.2	0.0				
KMI	25.8	265	+P	16 36 08.5	1.9				
GTA	27.2	298	eP	16 36 18.0	-1.8				
WMQ	36.8	304	P	16 37 43.0	-0.7				
					APR 5d 14h 02m 50.3 ± 0.11s, SD1.11 / 29				
					4.73 N ± 1.62km, 94.43 E ± 1.17km, h51 ± 0.15km				
					Off west coast of Northern Sumatera (705)				
KMI	21.8	21	-P	14 07 43.5	3.4				
GYA	24.6	27	P	14 08 07.8	0.7				
LSA	25.0	353	-P	14 08 12.2	0.3				
CD2	27.5	18	P	14 08 33.4	-0.8				
XAN	32.1	23	-P	14 09 13.7	-1.7				
GTA	34.9	7	+iP	14 09 38.2	-1.0				
WMQ	39.4	352	P	14 10 18.0	1.0				
BJI	40.3	26	eP	14 10 25.0	0.8				
					APR 5d 15h 36m 56.2 ± 0.09s, SD1.37 / 101				
					13.35 N ± 1.30km, 120.42 E ± 1.66km, h29 ± 0.17km				
					Philippine Islands region (248)				
					$M_S 5.6 / 52, m_B 5.9 / 12, m_L 5.3 / 1,$				
QZN	11.6	300	eP	15 39 38.9	-4.5				
			S	15 41 46.0	-6.9				
			LE		$M_S = 5.3$	16.0	19.0		
QZH	11.7	352	-P	15 39 43.0	-0.9				
			PMZ		$m_B = 5.8$	4.0	0.87		
			pP	15 39 53.5	3.0				
			S	15 41 54.0	0.1				
			LN		$M_S = 5.3$	19.0	19.0		
GZH	11.8	326	-P	15 39 44.0	-1.6				
			S	15 41 54.0	-2.9				
			LN		$M_S = 5.5$	14.0	20.9		
			LE			10.0	5.50		
			LZ		$M_S = 5.3$	20.0	23.9		
SSE	17.7	2	P	15 41 02.0	-0.2				
			pP	15 41 11.0	1.7				
			sP	15 41 15.0	1.3				
			S	15 44 16.5	1.0				
			SME			16.0	5.33		
			sS	15 44 28.0	0.6				
			eSS	15 44 38.0	0.2				
			LN		$M_S = 5.4$	16.0	7.51		
			LE			16.0	8.62		
			LZ		$M_S = 5.4$	20.0	17.8		
WHN	18.0	343	P	15 41 06.0	-0.3				
			PMZ		$m_B = 5.7$	4.0	1.57		
			pP	15 41 18.0	4.6				
			eS	15 44 24.0	0.4				
			sS	15 44 34.0	-1.0				
			SS	15 44 51.0	4.9				
			LE		$M_S = 5.5$	14.0	12.0		



GYA	18.4	317	LZ	$M_s = 5.4$	20.0	16.5	LE		14.0	3.82			
			P	15 41 11.0	0.3		LZ	$M_s = 5.3$	14.0	4.92			
			sP	15 41 23.0	1.0		eP	15 42 53.5	0.6				
			PP	15 41 30.0	4.6		pP	15 43 03.0	1.8				
			SS	15 44 59.0	4.4		PP	15 43 45.0	0.1				
			LN	$M_s = 5.6$	15.0	8.60	eS	15 47 36.0	-2.6				
			LE		15.0	12.3	LN	$M_s = 5.8$	14.0	9.10			
NJ2	18.7	356	+iP	15 41 17.5	3.0		LE		14.0	3.20			
			pP	15 41 26.5	5.0		LZ	$M_s = 5.5$	14.0	7.40			
			LN	$M_s = 5.6$	16.0	6.64	eP	15 43 11.0	0.2				
			LE		15.0	15.4	sP	15 43 25.0	2.0				
KMI	20.4	308	-P	15 41 35.0	1.3		eS	15 48 11.0	0.7				
			pP	15 41 43.5	2.1		LN	$M_s = 5.8$	17.0	10.7			
			PP	15 41 57.0	3.3		-P	15 43 18.5	-1.0				
			S	15 45 19.0	4.1		pP	15 43 26.0	-1.5				
			sS	15 45 29.5	2.4		S	15 48 23.0	-1.2				
			LE	$M_s = 5.4$	15.0	8.90	ScS	15 53 50.0	3.2				
			LZ	$M_s = 5.3$	15.0	8.20	LE	$M_s = 5.3$	14.0	2.56			
TIA	23.0	353	eP	15 42 01.3	1.7		-iP	15 43 19.5	-0.6				
			S	15 46 08.0	5.0		SME	$m_B = 5.5$	7.0	0.66			
			SME		13.0	3.36	LE	$M_s = 6.0$	18.0	17.5			
			LN	$M_s = 5.6$	16.0	4.09	LZ	$M_s = 5.8$	18.0	18.1			
			LE		18.0	12.7	eP	15 43 25.0	1.2				
XAN	23.1	335	-P	15 42 01.0	0.0		eS	15 48 37.0	3.4				
			pP	15 42 10.0	0.9		LZ	$M_s = 5.7$	20.0	14.5			
			PP	15 42 34.0	3.2		-iP	15 44 42.0	0.5				
			S	15 46 07.0	1.5		PMZ	$m_B = 6.0$	6.0	1.45			
			SS	15 46 53.0	2.0		PP	15 46 22.0	2.1				
			LN	$M_s = 5.9$	16.0	18.3	S	15 50 58.0	5.0				
			LE		12.0	4.85	SS	15 54 00.0	7.0				
CD2	23.3	321	P	15 42 02.9	0.3		LN	$M_s = 6.2$	17.0	17.3			
			pP	15 42 12.0	1.2		LZ	$M_s = 5.9$	17.0	13.3			
			PP	15 42 35.0	1.8		P	15 45 28.0	0.9				
			SME	$m_B = 6.2$	7.0	5.57	pP	15 45 38.0	2.4				
			LE	$M_s = 5.8$	11.0	11.7	LE	$M_s = 6.1$	20.0	13.0			
			LZ	$M_s = 5.6$	14.2	14.8							
TIY	25.3	345	eP	15 42 22.5	0.3		APR 5d 23h 28m $17.0 \pm 0.13s$, SD1.59 / 33						
			sP	15 42 33.5	-0.7		8.72 S $\pm 1.21km$, 117.73 E $\pm 1.58km$, h117 $\pm 0.75km$						
			PP	15 43 03.5	3.2		Sumbawa region (285)						
			S	15 46 45.5	2.4		NJ2	40.6	1	eP	23 35 46.0	-0.8	
			SS	15 47 48.0	3.2		CD2	41.6	342	eP	23 35 56.7	1.1	
			sS	15 47 04.0	6.5		XAN	43.3	349	eP	23 36 10.0	0.4	
			LN	$M_s = 5.6$	12.0	3.24	TIA	44.7	359	eP	23 36 20.5	0.0	
			LE		13.5	7.63	BJI	48.5	358	eP	23 36 50.0	-0.6	
			LZ	$M_s = 5.6$	16.0	12.7				epP	23 37 20.0	2.7	
DL2	25.5	2	-P	15 42 25.0	1.1		APR 6d 03h 11m $22.2 \pm 0.08s$, SD1.09 / 30						
			S	15 46 44.0	-2.2		16.40 N $\pm 1.23km$, 41.13 E $\pm 1.19km$, h10 $\pm 0.15km$						
			LN	$M_s = 5.6$	18.0	8.12	Ethiopia (558)						
			LE		15.0	6.47	$M_s 5.2 / 3$, $m_b 5.2 / 1$,						
BJI	26.9	353	+P	15 42 35.0	-1.6		WMQ	47.8	45	+P	03 20 03.4	0.7	
			eS	15 47 06.0	-3.5					eS	03 27 06.0	6.9	
			LE	$M_s = 5.6$	18.0	8.60				LZ	$M_s = 5.0$	20.0	1.58
LZH	27.1	330	eP	15 42 38.5	-0.7		GTA	55.7	53	P	03 21 01.8	0.1	
			PMZ	$m_b = 5.3$	2.5	0.18				LN	$M_s = 5.0$	14.0	0.51
			pP	15 42 47.0	-0.3		LZH	58.6	57	eP	03 21 22.5	-0.1	
			eS	15 47 10.0	-4.1					PMZ	$m_b = 5.2$	2.0	0.070
			LN	$M_s = 5.9$	12.0	13.2	GYA	61.3	69	P	03 21 41.0	0.2	
			LE		14.0	6.98	XAN	62.8	60	P	03 21 50.2	-0.6	
HHC	28.5	346	-P	15 42 51.8	0.3		TIY	65.5	56	+P	03 22 09.0	0.4	
			pP	15 43 02.0	2.3					S	03 30 50.0	-0.9	
			S	15 47 37.0	2.1					LN	$M_s = 5.2$	15.0	0.77
			sS	15 47 49.0	-0.8					LZ	$M_s = 5.0$	24.0	1.08
			LN	$M_s = 5.6$	17.0	6.20	WHN	67.6	63	eP	03 22 20.0	-2.0	
			LE		17.0	6.80	BJI	68.3	53	eP	03 22 24.5	-1.8	
SNY	28.5	5	-P	15 42 50.4	-1.2		TIA	69.3	57	eP	03 22 33.6	0.8	
			pP	15 42 59.4	-0.6		APR 6d 06h 00m $27.5 \pm 0.38s$, SD3.45 / 6						
			S	15 47 34.0	-1.4								
			LN	$M_s = 5.4$	16.0	2.80							

38.54 N ± 2.69km, 125.59 E ± 2.22km, h10 ± km North Korea (659) M _L 3.1 / 6,					38.54 N ± 2.69km, 125.59 E ± 2.22km, h10 ± km North Korea (659) M _L 3.1 / 6,				
DL2	3.1	278	Pg	06 01 25.4	2.8				
			SMN		M _L = 3.1	0.5	0.090		
			SME			0.5	0.040		
SNY	3.6	335	Pg	06 01 33.4	1.9				
			SMN		M _L = 3.2	0.6	0.060		
			SME			0.6	0.080		
CN2	5.3	359	Pg	06 01 58.8	-1.5				
			Sg	06 03 11.6	-0.4				
			SMN		M _L = 3.6	0.6	0.050		
			SME			0.6	0.080		
APR 6d 07h 36m 57.7 ± 0.09s, SD1.84 / 10 27.53 N ± 0.95km, 100.77 E ± 0.92km, h5 ± 0.54km Yunnan Province (318) M _L 3.0 / 4,									
KMI	3.0	143	Pn	07 37 46.0	-0.1				
			Sg	07 38 33.5	2.7				
			SME		M _L = 3.0	0.5	0.060		
GYA	5.4	100	Pg	07 38 34.4	1.9				
			Sn	07 39 20.0	-3.0				
			SMN		M _L = 3.3	1.0	0.030		
APR 6d 11h 28m 33.5 ± 0.09s, SD1.77 / 40 28.28 N ± 1.12km, 92.65 E ± 0.99km, h18 ± 0.06km India-China border region (313) M _S 4.1 / 4,									
LSA	1.9	318	Pn	11 29 05.3	-1.2				
			Pg	11 29 06.0	-1.7				
			Sn	11 29 30.0	-1.6				
			SMN			6.0	8.83		
			SME			5.0	1.82		
CD2	10.0	72	P	11 31 03.2	3.2				
LZH	12.3	48	eP	11 31 30.0	-0.7				
GYA	12.6	95	P	11 31 33.2	-1.8				
XAN	15.1	64	P	11 32 06.4	-1.2				
			eS	11 34 50.0	-4.9				
			LE		M _S = 4.2	8.0	0.41		
WMQ	16.0	347	P	11 32 21.0	1.2				
BTO	18.8	45	eP	11 32 54.9	-0.3				
HHC	19.9	46	P	11 33 07.8	-0.1				
TIA	22.1	63	eP	11 33 30.3	0.2				
BJI	22.7	53	eP	11 33 38.0	2.6				
SNY	28.5	54	eP	11 34 29.8	-0.9				
APR 6d 16h 30m 01.3 ± 0.08s, SD0.94 / 90 6.58 S ± 1.23km, 131.48 E ± 1.43km, h41 ± 0.23km Tanimbar Islands region (281) M _S 4.6 / 5, m _b 5.9 / 3,									
QZN	33.2	320	eP	16 36 36.0	-0.8				
			eS	16 41 51.0	-1.7				
			LN		M _S = 4.5	13.0	0.40		
SSE	38.7	346	+iP	16 37 24.5	0.8				
			S	16 43 12.0	-4.9				
			LZ		M _S = 4.3	20.0	0.47		
NJ2	40.3	343	+P	16 37 37.7	1.4				
			iScP	16 43 26.0	2.1				
WHN	40.4	337	+P	16 37 39.0	1.5				
			PcS	16 43 32.0	2.8				
			S	16 43 42.0	0.1				
			LZ		M _S = 4.5	20.0	0.64		
GYA	40.7	325	+P	16 37 40.6	0.3				
			pP	16 37 53.0	2.2				
			sP	16 37 57.6	2.1				
			PcP	16 39 42.6	1.6				
			ScP	16 43 28.2	2.5				
APR 6d 19h 52m 32.6 ± 0.09s, SD1.02 / 82 7.25 S ± 1.05km, 128.68 E ± 1.70km, h149 ± 0.54km Banda Sea (280) m _b 5.6 / 1,									
QZN	32.0	325	eP	19 58 47.6	0.0				
			sP	19 59 35.0	-1.4				
			eS	20 03 49.0	1.4				
SSE	38.8	350	eP	19 59 45.7	1.0				
GYA	39.7	328	+P	19 59 53.0	0.4				
			pP	20 00 26.4	1.5				
			PcP	20 01 57.0	1.0				
			ScP	20 05 32.0	2.7				
			S	20 05 46.0	1.7				
WHN	40.0	341	P	19 59 55.0	0.3				
NJ2	40.2	347	+P	19 59 57.0	0.8				
KMI	40.9	323	+iP	20 00 04.0	1.7				
			pP	20 00 34.0	-0.6				
			sP	20 00 52.0	0.3				
			S	20 06 03.0	1.4				
			sS	20 07 06.0	6.7				
			LE			15.0	1.00		
TIA	44.6	347	P	20 00 31.4	-0.4				
KMI	42.1	319	S	16 43 45.0	-1.6				
			+iP	16 37 53.0	0.9				
			PMZ		m _b = 6.0	2.0	0.50		
			pP	16 38 06.5	4.0				
			S	16 44 06.0	-1.6				
			LZ		M _S = 4.3	20.0	0.40		
TIA	44.6	343	+P	16 38 11.9	-0.3				
			LN		M _S = 4.4	20.0	0.30		
			LZ		M _S = 4.5	20.0	0.60		
XAN	45.7	334	+iP	16 38 20.0	-0.7				
CD2	45.8	326	P	16 38 20.6	-0.5				
			S	16 44 58.0	-2.0				
DL2	46.2	349	+P	16 38 24.4	0.1				
			eS	16 45 04.0	-2.9				
TIY	47.5	339	+iP	16 38 34.9	-0.1				
			S	16 45 23.0	-1.9				
			ScS	16 48 26.0	4.6				
			LN		M _S = 5.0	17.0	0.93		
			LZ		M _S = 4.5	40.0	1.01		
BJI	48.5	344	eP	16 38 42.0	-0.5				
			eScP	16 43 59.0	1.6				
			eS	16 45 38.0	-1.8				
SNY	48.7	352	+iP	16 38 44.0	-0.2				
			S	16 45 42.0	0.2				
			LN		M _S = 4.8	24.0	0.84		
			LZ		M _S = 4.6	24.0	0.85		
LZH	49.7	331	+iP	16 38 54.5	2.1				
			PMZ		m _b = 5.8	2.0	0.25		
CN2	50.4	354	+P	16 38 56.8	-0.7				
			pP	16 39 10.0	1.7				
			PcP	16 40 15.6	0.9				
			ScP	16 44 07.0	1.3				
			eS	16 46 05.0	-1.9				
			LZ		M _S = 5.0	20.0	1.50		
BTO	50.9	339	P	16 38 59.5	-1.8				
MDJ	51.0	358	eP	16 39 01.5	-0.2				
			LZ		M _S = 4.7	35.0	1.20		
LSA	52.9	315	+iP	16 39 16.2	-0.5				
GTA	54.3	330	-iP	16 39 26.8	0.1				
WMQ	63.8	326	+iP	16 40 33.0	0.4				
			iS	16 49 02.5	-1.1				
			ScS	16 50 21.0	3.1				
			LZ		M _S = 4.4	24.0	0.34		
KSH	68.7	317	+iP	16 41 05.0	1.1				
			eS	16 50 02.0	-1.2				

CD2	44.8	329	P	20 00 33.4	-0.5
XAN	45.1	337	+P	20 00 35.5	-0.8
DL2	46.4	352	eP	20 00 46.6	0.5
TIY	47.2	342	eP	20 00 52.0	-0.8
			S	20 07 39.0	6.3
BJI	48.5	347	eP	20 01 01.5	-0.7
			eS	20 07 44.0	-6.7
LZH	49.0	333	+iP	20 01 07.0	0.2
SNY	49.1	355	+P	20 01 06.0	-0.9
BTO	50.6	342	eP	20 01 17.0	-1.9
CN2	50.9	357	eP	20 01 20.8	-0.1
LSA	51.5	317	+P	20 01 25.4	-0.4
MDJ	51.6	1	eP	20 01 26.0	-0.4
GTA	53.6	332	+iP	20 01 40.6	-0.3
WMQ	62.9	328	+iP	20 02 45.5	-0.2
			S	20 11 02.4	1.6
			ScS	20 12 21.0	2.0
KSH	67.4	318	P	20 03 15.5	1.0

APR 6d 21h 06m 10.5±0.08s, SD2.00 / 25
22.98 S±2.88km, 175.48 W±2.10km, h31±0.38km
Tonga region (174)

MDJ	83.9	324	eP	21 18 35.0	-4.4
GYA	89.9	299	P	21 19 08.0	-0.7
TIY	90.7	311	eP	21 19 14.2	1.9
			LZ	M _S =4.9	20.0 0.50
XAN	91.5	306	P	21 19 14.9	-1.2

APR 6d 22h 19m 41.5±0.15s, SD0.91 / 45
15.62 S±1.09km, 167.86 E±1.54km, h201±1.02km
Vanuatu (New Hebrides) (186)

NJ2	66.7	316	-P	22 30 14.4	0.9
WHN	69.0	312	P	22 30 27.2	-0.3
MDJ	69.3	332	eP	22 30 29.4	-0.4
DL2	69.4	323	P	22 30 30.0	0.1
SNY	70.3	326	+iP	22 30 35.4	0.0
TIA	70.4	318	P	22 30 35.5	-0.6
CN2	70.7	329	+iP	22 30 38.2	0.1
GYA	72.7	305	P	22 30 50.0	0.0
BJI	73.3	321	eP	22 30 53.5	-0.1
XAN	74.7	312	P	22 31 01.5	-0.2
KMI	75.3	302	-P	22 31 05.5	0.5
CD2	77.0	307	eP	22 31 15.0	0.5
LZH	79.3	312	eP	22 31 28.5	1.1
GTA	83.7	314	eP	22 31 49.9	-0.1
WMQ	93.7	314	P	22 32 37.5	-0.1

APR 6d 22h 58m 21.2±0.07s, SD0.91 / 21
4.06 N±0.75km, 126.54 E±1.37km, h89±0.49km
Talaud Islands (263)

BJI	37.0	347	P	23 05 23.5	-0.9
SNY	37.7	356	eP	23 05 32.4	2.4
LZH	38.1	330	eP	23 05 34.5	0.8
GTA	42.7	329	P	23 06 10.9	-0.7
WMQ	52.3	325	eP	23 07 26.0	-0.6

APR 7d 01h 05m 04.1±0.12s, SD1.59 / 13
30.08 N±0.93km, 67.75 E±1.03km, h34±0.36km
Pakistan (710)
M_S4.2 / 1,

KSH	11.6	33	eP	01 07 50.5	0.5
			sP	01 07 58.0	-3.9
			S	01 09 59.0	0.6
			LE	M _S =4.2	12.0 1.10
WMQ	21.0	44	eP	01 09 47.0	0.1
			eS	01 13 28.0	-5.8
			LZ	M _S =3.9	16.0 0.38
GTA	27.8	62	eP	01 10 52.5	-0.3

GYA	34.4	86	P	01 11 51.4	1.1
APR 7d 03h 05m 06.4±0.11s, SD1.70 / 96 24.03 N±1.40km, 121.63 E±1.58km, h16±0.40km Taiwan (244) M _S 5.8 / 45, M _L 5.3 / 2, m _B 5.7 / 21,					
QZH	2.9	289	ePn	03 05 53.0	0.3
			Pg	03 06 04.7	6.8
			Sn	03 06 29.2	-0.1
			SMN	M _L =5.1	1.1 9.84
			SME		1.1 6.02
			LN		7.0 9.84
			LE		7.0 48.1
SSE	7.1	357	Pn	03 06 50.0	0.4
			eSn	03 08 06.0	-5.8
			LZ	M _S =5.4	16.0 35.4
GZH	7.7	265	Pn	03 07 00.0	2.1
			Sn	03 08 22.3	-4.5
			LN	M _S =5.5	8.0 14.2
			LE		10.0 30.0
			LZ	M _S =5.6	10.0 37.2
NJ2	8.4	344	+P	03 07 08.4	-1.8
			S	03 08 41.2	-3.8
			LN	M _S =5.7	10.0 38.8
			LE		10.0 32.2
WHN	9.2	317	P	03 07 20.0	-1.3
			S	03 08 59.0	-6.0
			LE	M _S =5.6	10.0 32.4
QZN	12.0	248	eP	03 08 01.0	0.2
			sP	03 08 12.0	2.6
			S	03 10 16.5	1.1
			LN	M _S =5.5	11.0 12.0
			LE		12.0 12.1
TIA	12.8	343	eP	03 08 09.4	-0.9
			PMZ	m _B =5.7	8.0 1.22
			SMN	m _B =5.1	9.0 0.84
			SME		9.0 0.96
			LN	M _S =5.8	10.0 19.7
			LE		10.0 17.0
GYA	13.8	283	P	03 08 25.0	1.2
			sP	03 08 34.0	1.5
			S	03 10 58.0	1.2
			LN	M _S =6.1	10.0 35.2
			LE		10.0 33.2
DL2	14.8	360	-P	03 08 40.0	2.3
			S	03 11 25.0	2.7
			SS	03 11 39.0	-0.3
			LN	M _S =5.5	12.0 10.8
			LE		10.0 8.52
XAN	14.9	315	P	03 08 39.0	0.0
			PMZ	m _B =5.7	8.0 1.30
			S	03 11 30.0	5.7
			LN	M _S =6.0	10.0 19.3
			LE		10.0 25.4
TIY	15.7	332	eP	03 08 53.0	3.3
			PMZ	m _B =5.6	12.0 3.73
			S	03 11 48.0	4.3
			SS	03 12 05.0	3.0
			LN	M _S =6.0	11.0 28.7
			LE		11.0 21.9
			LZ	M _S =5.8	12.0 36.1
BJI	16.6	345	eP	03 09 03.0	2.3
			PMZ	m _B =5.6	8.0 2.13
			eS	03 12 02.0	-2.4
			LN	M _S =5.5	11.0 10.4
			LZ	M _S =5.4	13.0 13.6
KMI	17.2	278	-P	03 09 10.5	2.0
			pP	03 09 18.0	4.4

				23.99 N ± 1.53km, 121.32 E ± 2.17km, h20 ± 0.35km Taiwan (244) M _S 4.9/16, M _L 4.6/12, m _B 4.9/1,							
	eS	03 12 22.0	3.3		QZH	2.7 291	Pn	03 25 21.8	0.9		
	sS	03 12 33.0	6.1				Sn	03 25 57.2	2.8		
	SS	03 12 42.0	3.3				SME	M _L =4.5	1.0	2.50	
	LE	M _S =6.1	10.0	33.2	SSE	7.1 359	Pn	03 26 19.0	-2.5		
	LZ	M _S =6.0	10.0	41.2			LN	M _S =4.7	9.0	3.77	
CD2	eP	03 09 09.2	0.2				LE		9.0	3.30	
	eS	03 12 20.0	0.5				LZ	M _S =4.8	8.0	4.67	
	LE	M _S =6.1	10.0	38.6	GZH	7.4 265	+Pn	03 26 28.5	2.8		
	LZ	M _S =6.0	10.0	35.2			Sn	03 27 50.5	-0.7		
SNY	+iP	03 09 17.0	1.1				LN	M _S =4.9	6.0	1.40	
	PMZ	m _B =5.6	8.0	2.55	NJ2	8.3 345	+P	03 26 37.3	-3.9		
	S	03 12 37.0	5.5				S	03 28 13.5	-1.8		
	SMN	m _B =5.7	10.0	1.07			LN	M _S =4.9	7.0	4.73	
	SME		10.0	3.80			LE		8.0	3.67	
	ScS	03 21 04.0	-1.2		WHN	9.0 318	P	03 26 49.0	-1.7		
	LN	M _S =5.8	11.0	16.9			S	03 28 30.0	-2.3		
	LE		9.0	5.00			SMN		1.0	0.66	
	LZ	M _S =5.7	11.0	20.9	QZN	11.8 247	eP	03 27 30.5	1.8		
HHC	eP	03 09 28.8	1.0				eS	03 29 47.0	6.4		
	LN	M _S =5.7	12.0	13.6			SS	03 29 59.0	4.7		
	LE		10.0	4.01	TIA	12.7 344	LN	M _S =4.5	10.0	1.60	
BTO	P	03 09 30.0	-2.6				LE	M _S =5.0	8.0	3.20	
	PMZ	m _B =5.9	7.0	3.80	GYA	13.5 284	P	03 27 52.2	0.3		
	sP	03 09 39.5	-2.0				pP	03 28 00.2	2.9		
	PP	03 09 47.0	-1.8				S	03 30 20.0	-1.8		
	S	03 13 00.0	-2.2				LN	M _S =5.3	8.0	3.70	
	SMN	m _B =5.7	11.0	3.10	DL2	14.9 1	eP	03 28 14.2	4.4		
	SME		11.0	2.20	TIY	15.6 333	eP	03 28 22.8	2.8		
	sS	03 13 15.0	3.5				LN	M _S =5.1	8.0	3.39	
	LN	M _S =6.2	11.0	31.9	BJI	16.6 346	eP	03 28 34.0	2.2		
	LE		11.0	22.0	CD2	17.0 298	eP	03 28 38.2	0.6		
	LZ	M _S =5.9	11.0	29.0	SNY	17.9 5	eP	03 28 48.6	0.4		
LZH	eP	03 09 37.5	1.3		BTO	19.1 333	eP	03 29 06.5	3.4		
	PMZ	m _B =6.0	7.0	4.80			sP	03 29 17.5	4.9		
	S	03 13 11.0	2.0				LN	M _S =5.2	11.0	4.00	
	SME	m _B =5.8	10.0	4.42	LZH	19.3 313	eP	03 29 08.0	2.4		
	LN	M _S =6.0	8.0	13.6			PMZ	m _B =4.9	2.5	0.14	
	LE		10.0	18.2	CN2	20.0 9	eP	03 29 09.0	-4.6		
CN2	-P	03 09 40.4	-1.0		MDJ	21.7 16	eP	03 29 26.0	-4.1		
	sP	03 09 49.0	-1.6		GTA	23.8 315	P	03 29 49.6	-2.0		
	eS	03 13 20.0	-0.4								
	LN	M _S =5.6	12.0	10.5							
	LZ	M _S =5.5	13.0	14.0							
MDJ	eP	03 09 56.5	-1.1								
	sP	03 10 10.0	3.1								
	PP	03 10 24.0	2.9								
	LZ	M _S =5.6	12.0	12.7							
GTA	+P	03 10 20.0	-1.8								
	PMZ	m _B =5.7	8.0	2.41							
	sP	03 10 33.5	2.6								
	eS	03 14 34.0	-1.3								
	sS	03 14 48.5	3.4								
	LE	M _S =6.0	10.5	16.3							
	LZ	M _S =5.8	11.0	14.8							
LSA	eP	03 10 58.4	1.2								
	LE	M _S =5.3	10.0	2.27							
WMQ	+P	03 11 52.0	-0.7								
	sS	03 17 26.0	-1.2								
	LN	M _S =6.1	11.0	9.33							
	LE		11.0	8.90							
	LZ	M _S =5.8	12.0	11.6							
KSH	P	03 12 56.0	1.9								
	PP	03 14 33.0	0.7								
	S	03 19 07.0	-0.1								
	eSS	03 22 07.0	0.4								
	LE	M _S =6.1	11.0	9.70							
APR 7d 03h 24m 38.5 ± 0.19s, SD2.49/55				APR 7d 03h 41m 35.1 ± 0.29s, SD1.54/29 24.08 N ± 2.35km, 121.53 E ± 1.87km, h10 ± km Taiwan (244) M _S 4.3/4, M _L 4.2/14,							
					QZH	2.8 288	ePn	03 42 20.5	0.0		
							Sn	03 42 56.3	-0.2		
							SMN	M _L =4.2	1.2	1.09	
							SME		1.0	1.00	
							LE		7.0	3.34	
					SSE	7.0 358	ePn	03 43 18.0	0.0		
							SMN	M _L =4.3	1.0	0.12	
							SME		1.0	0.12	
					NJ2	8.3 344	eP	03 43 39.0	0.6		
							S	03 45 12.0	-0.8		
							LN	M _S =4.4	8.0	1.43	
							LE		8.0	1.15	

WHN	9.1	317	P	03 43 48.5	-0.7		
			eS	03 45 28.0	-4.4		
			SMN			1.1	0.18
			SME			1.1	0.14
GYA	13.7	283	P	03 44 52.0	0.2		
			S	03 47 27.0	2.8		
			SMN			1.6	0.20
			SME			1.6	0.10
XAN	14.8	315	P	03 45 07.5	0.5		
CD2	17.2	297	eP	03 45 38.8	1.8		
CN2	19.9	8	eP	03 46 09.0	-1.3		
GTA	23.9	315	eP	03 46 50.0	-0.3		

QZH	2.9	290	ePn	09 28 14.0	1.5		
			Sn	09 28 48.5	-0.5		
			SMN			$M_L = 4.1$	1.2 0.88
			SME				1.0 0.63
			LE				8.0 2.74
SSE	7.1	357	Pn	09 29 11.2	0.9		
			SMN			$M_L = 4.0$	1.0 0.054
			SME				1.0 0.085
NJ2	8.4	344	+P	09 29 29.3	-1.5		
			S	09 31 05.5	-0.7		
			LN			$M_g = 4.4$	9.0 1.65
			LE				8.0 0.97
			LZ			$M_g = 4.3$	8.0 1.43

APR 7d 05h 36m $00.2 \pm 0.09s$, SD1.58 / 26
 29.68 N $\pm 1.17km$, 140.87 E $\pm 1.31km$, h115 $\pm 0.45km$
 South of Honshu (211)

NJ2	19.0	283	+P	05 40 17.0	0.9		
TIA	20.9	294	eP	05 40 35.6	-0.1		
BJI	22.7	304	P	05 40 51.0	-1.8		
WHN	22.9	279	P	05 40 57.0	1.7		
GYA	30.3	272	P	05 42 01.6	-1.6		
CD2	32.0	282	eP	05 42 17.6	-0.3		

WHN	9.2	317	eP	09 29 41.0	-0.6		
			sP	09 29 49.0	-1.7		
			eS	09 31 21.0	-4.7		
			SMN				1.2 0.16
			SME				1.2 0.12
			LE			$M_g = 4.3$	9.0 1.58
XAN	15.0	315	eP	09 31 02.5	3.3		
			LN			$M_g = 4.6$	8.0 0.82
			LE				10.0 0.85
TIY	15.8	332	eP	09 31 10.4	0.2		
			LN			$M_g = 4.7$	12.5 1.63
			LE				10.0 0.76
			LZ			$M_g = 4.6$	10.0 1.52
CD2	17.3	298	eP	09 31 24.2	-4.7		
			LE			$M_g = 4.6$	10.0 1.20
CN2	20.0	8	P	09 32 06.0	4.1		
GTA	24.0	315	eP	09 32 39.0	-2.8		

APR 7d 07h 17m $42.5 \pm 0.11s$, SD3.58 / 9
 41.55 N $\pm 1.32km$, 78.91 E $\pm 1.33km$, h10 $\pm km$
 Kirgiziya-Xinjiang border region (320)
 $M_L 4.0 / 6$,

KSH	3.1	229	ePn	07 18 31.0	-0.4		
			Sn	07 19 06.0	-3.8		
			SME			$M_L = 4.4$	0.5 1.30
WMQ	6.9	68	Pn	07 19 27.2	3.4		
			Sn	07 20 48.0	3.8		
			SMN			$M_L = 3.6$	0.6 0.030
			SME				0.6 0.030

APR 7d 14h 26m $33.8 \pm 0.18s$, SD3.25 / 22
 10.75 S $\pm 5.29km$, 74.20 W $\pm 5.35km$, h8 $\pm km$
 Peru (116)

SNY	143.5	22	PKP	14 46 06.7	-3.6		
WMQ	145.3	336	-PKP	14 46 10.8	-2.6		
WMQ	149.4	344	ePKP	14 46 22.5	2.4		
GTA	151.0	10	PKP	14 46 26.6	3.9		
TIY	152.5	349	ePKP	14 46 30.7	5.8		

APR 7d 08h 03m $59.3 \pm 0.19s$, SD3.61 / 10
 34.63 N $\pm 1.83km$, 98.44 E $\pm 1.68km$, h11 $\pm 0.16km$
 Qinghai Province (325)
 $M_S 3.7 / 1$, $M_L 3.6 / 2$,

LZH	4.6	70	ePg	08 05 24.0	2.4		
			Sg	08 06 23.0	-1.9		
			SMN			2.5	0.74
			SME			1.0	0.40
GTA	4.9	13	Pn	08 05 15.2	1.9		
			Pg	08 05 29.5	3.9		
			Sn	08 06 13.8	2.0		
			Sg	08 06 34.5	2.0		
			SMN			$M_L = 3.5$	1.0 0.030
			SME			1.2	0.080
			LE			$M_g = 3.7$	9.0 0.95

APR 7d 14h 38m $53.7 \pm 0.24s$, SD2.17 / 26
 24.08 N $\pm 2.84km$, 121.62 E $\pm 1.86km$, h5 $\pm 0.76km$
 Taiwan (244)
 $M_S 3.9 / 2$, $M_L 4.0 / 13$,

QZH	2.9	288	ePn	14 39 43.4	2.8		
			Sg	14 40 27.2	3.1		
			SMN			$M_L = 3.9$	0.8 0.53
			SME				1.1 0.48
			LE				8.0 1.41
SSE	7.0	357	ePn	14 40 38.6	1.6		
			SMN			$M_L = 4.0$	1.0 0.054
			SME				1.0 0.075
NJ2	8.3	344	+P	14 40 55.9	-1.9		
			S	14 42 29.0	-3.7		
			SMN			$M_L = 4.5$	1.0 0.12
WHN	9.1	316	eP	14 41 07.0	-2.0		
			eS	14 42 49.5	-3.6		
			SMN				1.2 0.080
			SME				1.2 0.080
			LN			$M_g = 3.9$	11.0 0.66
XAN	14.9	315	P	14 42 27.0	0.2		
TIY	15.7	332	eP	14 42 41.5	4.0		
			LZ			$M_g = 4.1$	13.0 0.64

APR 7d 09h 23m $40.2 \pm 0.04s$, SD1.08 / 17
 0.38 S $\pm 0.73km$, 132.38 E $\pm 1.94km$, h32 $\pm 0.34km$
 West Irian region (196)
 $M_S 5.3 / 2$,

NJ2	34.7	340	+P	09 30 29.3	-0.2		
			LN			$M_g = 5.4$	9.0 1.65
			LE				8.0 0.97
			LZ			$M_g = 5.1$	8.0 1.43
GYA	36.4	319	P	09 30 47.0	2.7		
BJI	42.9	342	P	09 31 37.5	-0.1		
GTA	49.6	327	eP	09 32 32.0	1.3		
WMQ	59.3	324	P	09 33 41.3	-0.8		

APR 7d 09h 27m $26.5 \pm 0.09s$, SD2.34 / 30
 23.96 N $\pm 2.04km$, 121.60 E $\pm 1.75km$, h18 $\pm 1.96km$
 Taiwan (244)
 $M_S 4.5 / 8$, $M_L 4.0 / 12$,

APR 7d 18h 14m $55.8 \pm 0.18s$, SD2.84 / 34
 56.11 S $\pm 6.18km$, 15.84 W $\pm 4.62km$, h4 $\pm 0.78km$
 South-Western Atlantic Ocean (156)

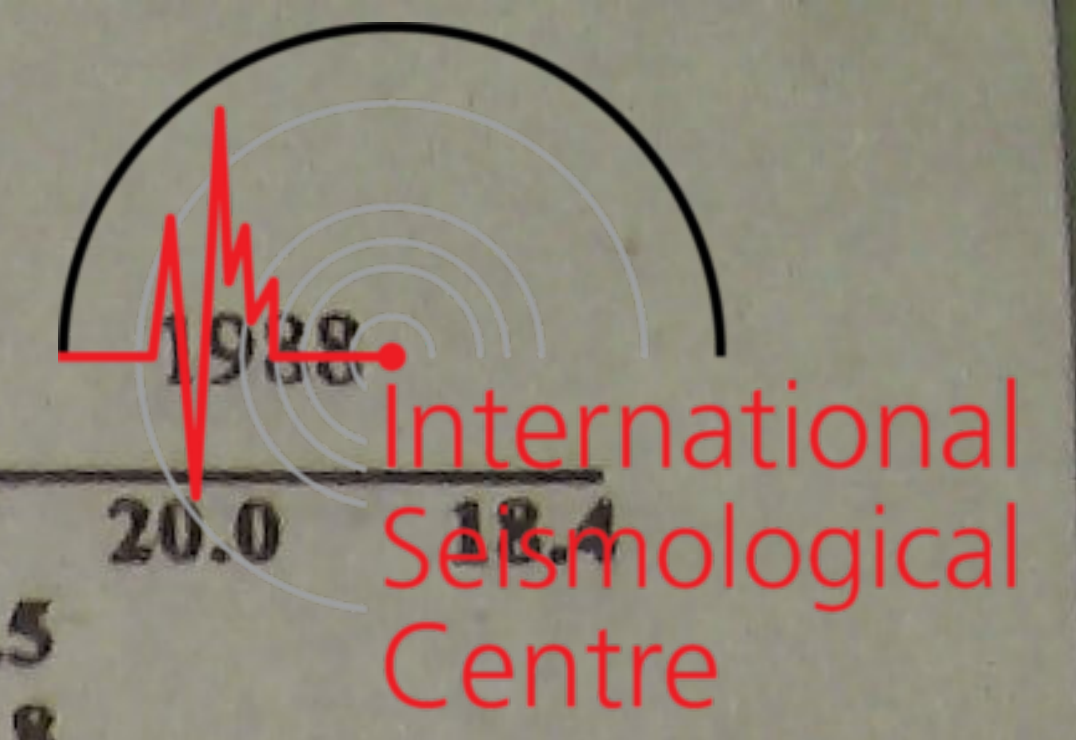
KSH	122.6	67	ePKP	18 33 57.5	3.6		
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				8.87 S ± 2.67km, 117.58 E ± 2.40km, h106 ± 0.17km Sumbawa region m _b 5.8 / 18, m _b 5.9 / 2, (285)										
		LN	M _s = 5.7	15.0	10.3									
		LE		19.0	9.07									
		LZ	M _s = 5.6	17.0	14.1									
DL2	25.5	2	eP	04 47 56.0	-1.2	QZN	28.7	345	-IP	11 26 43.4	2.7			
			S	04 52 19.0	-0.4				pP	11 27 07.5	3.9			
			LN	M _s = 5.6	15.0	6.48			eS	11 31 25.5	4.3			
			LE		13.0	5.44			LN			17.0	1.60	
BJI	26.9	353	eP	04 48 09.5	-0.5				LE			17.0	1.60	
			eS	04 52 40.0	-2.8	GZH	32.0	353	-P	11 27 10.5	1.0			
			LN	M _s = 5.3	13.0	3.60	GYA	36.7	343	-P	11 27 50.6	1.1		
			LZ	M _s = 5.2	22.0	7.19			pP	11 28 17.0	3.9			
LZH	27.2	329	eP	04 48 12.0	-0.7				sP	11 28 30.0	4.2			
			PMZ	m _b = 5.3	12.0	0.83			PcP	11 30 12.0	2.2			
			SME	m _b = 5.5	8.0	1.11			S	11 33 24.0	0.4			
			LN	M _s = 6.0	13.0	17.0			ScP	11 33 47.4	2.1			
			LE		12.0	6.34			PcS	11 34 01.0	4.6			
HHC	28.5	346	+P	04 48 24.8	-0.1				ScS	11 37 54.4	3.4			
SNY	28.5	5	eP	04 48 23.8	-1.1	KMI	36.7	337	+P	11 27 52.0	1.9			
			pP	04 48 33.4	-0.6				PMZ	m _b = 6.1	4.0	1.30		
			PP	04 49 14.0	-2.7				sP	11 28 30.0	3.6			
			S	04 53 03.0	-5.6				ScP	11 33 48.0	2.4			
			LN	M _s = 5.8	18.0	9.37			S	11 33 31.0	6.4			
			LE		16.0	9.15			PcS	11 33 56.0	-0.7			
			LZ	M _s = 5.5	16.0	9.05			LE		15.0	2.40		
BTO	28.7	343	P	04 48 25.5	-0.9	WHN	39.3	356	+P	11 28 12.0	0.8			
			pP	04 48 35.5	0.2				PMZ	m _b = 5.8	5.0	0.86		
			ePP	04 49 18.0	-0.6				pP	11 28 38.0	2.9			
			S	04 53 08.0	-2.9				sP	11 28 50.0	2.2			
			SS	04 54 37.0	-1.3				ScP	11 33 57.0	1.8			
			LN	M _s = 5.9	14.0	11.2			S	11 34 02.0	-1.3			
			LE		14.0	5.40			sS	11 34 52.0	6.0			
			LZ	M _s = 5.6	14.0	9.40			LE		12.0	0.73		
CN2	30.7	7	eP	04 48 43.5	-0.6				LZ		18.0	1.84		
			sP	04 49 01.0	3.8			SSE	39.9	5	+P	11 28 16.0	0.0	
			eS	04 53 40.0	-3.4				PMZ	m _b = 6.0	6.0	1.39		
			LE	M _s = 5.7	13.0	6.70			pP	11 28 40.0	0.0			
			LZ	M _s = 5.7	17.0	12.5			ScP	11 33 59.0	1.5			
LSA	31.6	306	-P	04 48 51.5	-1.6				S	11 34 12.0	0.0			
			pP	04 49 02.0	0.3				SME	m _b = 5.4	12.0	0.90		
			S	04 54 00.0	2.2				sS	11 34 56.0	1.2			
			PcS	04 55 30.0	3.0				LE		11.0	0.52		
			SMN	m _b = 5.9	5.0	1.40			LZ		20.0	0.94		
			LE	M _s = 5.3	14.0	3.16	NJ2	40.7	2	+P	11 28 23.0	0.3		
GTA	31.7	329	-P	04 48 52.8	-0.9				ScP	11 34 03.0	2.3			
			PP	04 49 57.0	-1.5				iS	11 34 26.0	0.9			
			eS	04 53 56.0	-4.5				SME	m _b = 5.9	4.0	0.90		
			SMN	m _b = 5.6	8.0	0.94			iScS	11 38 16.0	1.8			
			LE	M _s = 5.9	13.0	11.7	CD2	41.7	342	eP	11 28 31.4	0.4		
			LZ	M _s = 6.0	13.0	18.9			pP	11 28 57.5	2.4			
MDJ	32.1	12	eP	04 48 56.0	-1.1				S	11 34 37.0	-2.1			
			pP	04 49 06.0	-0.1				LE		14.0	1.35		
			S	04 54 03.0	-2.7			XAN	43.5	350	P	11 28 44.5	-0.8	
			LZ	M _s = 5.6	17.0	10.7			pP	11 29 10.0	0.6			
WMQ	41.4	324	-P	04 50 15.7	0.7				sP	11 29 24.0	2.0			
			PP	04 51 53.5	-0.2				PP	11 30 27.0	-2.0			
			iS	04 56 30.0	2.3				ScP	11 34 13.0	1.3			
			ScS	05 00 18.5	5.1				S	11 34 59.0	-5.5			
			LN	M _s = 6.3	15.0	13.8	TIA	44.8	359	+P	11 28 56.3	-0.1		
			LE		14.0	11.4			PcP	11 30 36.4	0.1			
			LZ	M _s = 5.9	14.0	12.7			ScP	11 34 18.8	1.5			
KSH	47.0	312	P	04 51 01.0	0.4				S	11 35 23.6	-0.9			
			pP	04 51 10.0	0.2				SME	m _b = 5.4	9.0	0.55		
			PP	04 52 49.0	-1.2				ScS	11 38 40.6	1.0			
			S	04 57 49.0	0.7			LSA	46.0	327	+P	11 29 05.6	-0.5	
			sS	04 58 05.0	0.2				sP	11 29 43.0	0.5			
			LN	M _s = 6.1	13.0	8.60			PP	11 31 00.0	4.9			
									S	11 35 40.0	-1.3			
									SMN	m _b = 5.4	5.0	0.30		

APR 8d 11h 20m 50.6 ± 0.18s, SD1.62 / 94



LZH	46.5	345	eP	11 29 11.0	1.0				ScP	11 35 19.5	1.3		
			PMZ	$m_b = 5.8$		2.0	0.25		eS	11 38 37.0	-2.4		
			pP	11 29 35.0	0.7				ScS	11 40 16.5	-0.8		
			ScP	11 34 26.5	2.1				LN			22.0	1.20
			sS	11 36 32.0	-0.6				LZ			22.0	1.23
			ScS	11 38 50.0	-0.6			KSH	61.7	324	P	11 31 00.0	-0.6
TIY	46.6	354	+iP	11 29 10.0	-0.2				PMZ	$m_b = 6.3$		4.0	1.50
			PMZ	$m_b = 5.8$		6.0	0.85		pP	11 31 26.0	0.0		
			pP	11 29 37.0	2.4				sP	11 31 38.0	-0.1		
			sP	11 29 49.0	2.0				eS	11 39 13.0	-0.7		
			PcP	11 30 44.0	1.6			APR 8d 13h 34m $43.8 \pm 0.16s$, SD1.95 / 47					
			PP	11 31 00.0	-0.9			24.03 N $\pm 1.63km$, 120.81 E $\pm 1.41km$, h15 $\pm 0.05km$					
			ScP	11 34 25.5	1.0			Taiwan (244)					
			S	11 35 47.0	-2.4			$M_s 4.1 / 2$, $M_L 4.3 / 13$,					
			SME			14.0	0.55	QZH	2.2	295	ePn	13 35 20.0	-0.5
			sS	11 36 36.5	3.4				Sn	13 35 46.0	-3.4		
			LN			16.0	1.31		SMN	$M_L = 4.2$		0.5	2.06
			LE			14.0	0.73		SME			0.4	1.03
			LZ			30.0	1.24	GZH	6.9	264	ePn	13 36 25.7	0.6
DL2	47.7	4	+P	11 29 18.0	-0.7				SMN	$M_L = 4.8$		1.0	0.47
			eS	11 36 02.5	-3.3				SME			1.0	0.49
			LN			15.0	6.38	SSE	7.0	3	+P	13 36 26.5	-2.7
			LE			15.0	12.8		pP	13 36 33.1	-1.3		
BJI	48.7	359	eP	11 29 25.0	-1.4				S	13 37 49.0	-0.5		
			pP	11 29 53.0	2.0				SMN	$M_L = 4.1$		1.0	0.081
			PcP	11 30 50.0	0.1				SME			1.0	0.094
			ScP	11 34 35.5	2.2			NJ2	8.2	348	+P	13 36 41.9	-3.0
			eS	11 36 16.0	-3.8				SMN	$M_L = 4.6$		1.0	0.15
			ScS	11 39 06.0	1.5			WHN	8.7	320	P	13 36 53.0	1.2
BTO	49.7	352	P	11 29 32.0	-2.5				LN			3.0	1.87
			pP	11 30 00.0	1.0			QZN	11.4	246	eP	13 37 28.0	-0.9
			eS	11 36 30.0	-4.4				eS	13 39 35.0	-1.5		
			LN			13.0	0.40		sS	13 39 41.0	-4.5		
			LE			13.0	0.30	GYA	13.0	284	P	13 37 50.0	-1.6
HHC	49.8	354	+P	11 29 34.6	-0.5				pP	13 37 57.0	0.6		
SNY	50.7	6	+iP	11 29 40.8	-1.5				S	13 40 11.2	-5.5		
			pP	11 30 07.4	0.4			TIY	15.4	334	eP	13 38 26.0	3.3
			S	11 36 44.0	-3.5				LN	$M_s = 4.2$		9.0	0.40
			SME	$m_b = 5.7$		4.0	0.41		LE			10.0	0.35
			sS	11 37 28.0	-3.7				LZ	$M_s = 4.3$		12.0	1.08
			LE			20.0	1.44	BJI	16.4	347	eP	13 38 37.0	1.3
GTA	50.8	342	+P	11 29 42.5	-0.3			CD2	16.6	298	P	13 38 41.8	3.8
			PMZ	$m_b = 5.8$		5.5	0.77	LZH	18.9	313	eP	13 39 08.0	0.8
			pP	11 30 08.0	0.7			CN2	20.1	10	-P	13 39 19.0	-0.9
			sP	11 30 21.5	1.8			MDJ	21.7	17	eP	13 39 36.8	-0.2
			ScP	11 34 43.6	1.3			GTA	23.5	316	eP	13 39 54.3	0.3
			eS	11 36 48.0	-1.4			APR 8d 15h 29m $33.8 \pm 0.08s$, SD1.52 / 17					
			sS	11 37 32.0	-0.3			3.08 S $\pm 0.95km$, 130.07 E $\pm 1.59km$, h32 $\pm 0.38km$					
			ScS	11 39 17.8	-0.9			Seram (272)					
			LE			20.0	0.87	GYA	37.1	324	P	15 36 44.2	0.8
CN2	52.9	7	+P	11 29 56.5	-2.0			XAN	42.0	333	P	15 37 23.2	-0.6
			PMZ	$m_b = 5.7$		4.0	0.40	TIY	43.8	340	eP	15 37 36.4	-2.2
			pP	11 30 24.0	0.6			BJI	44.8	345	eP	15 37 46.0	-0.5
			PcP	11 31 06.5	1.1			CN2	46.8	355	eP	15 38 06.0	2.9
			ScP	11 34 53.0	1.6			GTA	50.6	330	eP	15 38 31.4	-1.1
			eS	11 37 17.0	-1.1			WMQ	60.2	326	eP	15 39 40.0	-1.6
			ScS	11 39 32.5	-0.9			APR 8d 18h 48m $06.6 \pm 0.09s$, SD3.37 / 7					
MDJ	54.3	11	+P	11 30 08.2	-0.8			37.89 N $\pm 0.80km$, 106.89 E $\pm 0.73km$, h25 $\pm 0.32km$					
			pP	11 30 34.0	0.1			Northern China (323)					
			sP	11 30 48.0	1.8			$M_L 3.1 / 5$,					
			S	11 37 30.0	-6.2			XAN	4.2	156	ePg	18 49 22.0	1.3
			SME			14.0	1.40		Sg	18 50 14.0	-3.8		
			sS	11 38 16.0	-4.8			TIY	4.4	91	ePg	18 49 23.6	-0.9
			ScS	11 39 40.0	-3.4				eSg	18 50 27.6	3.1		
			LZ			30.0	1.80		SMN	$M_L = 2.9$		0.6	0.020
WMQ	59.0	335	+iP	11 30 41.0	-1.3								
			pP	11 31 05.0	-2.6								
			PcP	11 31 30.5	1.4								



HHC	4.7	49	ePg	18 49 31.0	1.6		
			Sg	18 50 29.0	-4.2		
			SMN		$M_L = 3.1$	0.5	0.020
			SME			0.5	0.030
GTA	5.7	287	Pn	18 49 35.0	4.0		
			Sn	18 50 40.6	2.7		
			SMN		$M_L = 3.1$	0.8	0.020
			SME			0.6	0.010

APR 8d 20h 38m $28.7 \pm 0.12s$, $SD1.55 / 49$
 $13.21 N \pm 1.68km$, $120.46 E \pm 2.40km$, $h51 \pm 0.86km$
 Philippine Islands region (248)
 $M_s 4.6 / 2$,

GYA	18.5	318	P	20 42 42.4	-0.6		
NJ2	18.8	356	eP	20 42 46.5	-0.4		
KMI	20.5	308	+P	20 43 06.0	0.7		
TIA	23.1	353	eP	20 43 32.0	0.8		
XAN	23.2	335	P	20 43 32.0	-0.6		
CD2	23.4	322	eP	20 43 34.2	0.1		
TIY	25.4	345	eP	20 43 50.2	-3.6		
			eS	20 48 08.0	-6.4		
			LN		$M_s = 4.7$	8.0	0.40
			LE			11.0	0.56
			LZ		$M_s = 4.5$	14.0	0.95
DL2	25.6	2	eP	20 43 54.8	-0.6		
BJI	27.0	353	eP	20 44 07.0	-1.1		
LZH	27.2	330	eP	20 44 10.0	-0.6		
GTA	31.8	329	eP	20 44 51.2	-0.3		
WMQ	41.4	324	P	20 46 13.2	0.5		

APR 8d 22h 32m $37.6 \pm 0.09s$, $SD1.42 / 20$
 $16.41 N \pm 1.21km$, $41.11 E \pm 1.39km$, $h10 \pm 0.17km$
 Ethiopia (558)

WMQ	47.8	45	P	22 41 18.5	0.4		
GTA	55.7	53	-P	22 42 16.8	-0.3		
GYA	61.3	69	P	22 42 55.0	-1.2		
XAN	62.8	60	eP	22 43 05.0	-1.2		

APR 8d 23h 13m $23.6 \pm 0.11s$, $SD1.53 / 100$
 $3.35 S \pm 1.63km$, $145.86 E \pm 3.07km$, $h34 \pm 0.42km$
 Near north coast of New Guinea (200)
 $M_s 6.4 / 49$, $m_b 6.4 / 18$, $m_b 6.1 / 3$,

QZH	38.6	318	eP	23 20 46.0	0.2		
			PMZ		$m_b = 6.5$	4.0	3.47
			PP	23 22 16.0	-2.2		
			PPMZ			8.0	5.08
			iS	23 26 44.0	4.0		
			SMN			20.0	12.2
			SME			22.0	13.8
			LN		$M_s = 6.5$	28.0	33.3
			LE			29.0	55.8
GZH	41.2	311	+P	23 21 08.5	1.4		
			PP	23 22 48.0	2.6		
			S	23 27 17.5	0.1		
			LN		$M_s = 6.5$	17.0	14.2
			LE			18.0	31.0
			LZ		$M_s = 6.0$	38.0	43.3
SSE	41.6	327	+iP	23 21 08.0	-2.0		
			PMZ		$m_b = 5.9$	2.0	0.42
			S	23 27 20.0	-2.8		
			LN		$M_s = 6.5$	16.0	27.4
			LE			16.0	22.1
			LZ		$M_s = 6.5$	20.0	63.1
QZN	41.8	303	P	23 21 15.1	2.7		
			pP	23 21 26.5	4.6		
			PP	23 22 55.0	2.4		
			S	23 27 30.0	3.1		
			SS	23 30 30.0	1.0		

NJ2	43.6	326	+P	23 21 26.0	-0.5		
			S	23 27 59.0	6.8		
			LN		$M_s = 6.4$	14.5	18.5
			LE			13.0	7.70
			LZ		$M_s = 6.2$	18.0	25.7
WHN	45.2	321	P	23 21 41.5	2.0		
			PMZ		$m_b = 6.4$	4.0	2.20
			pP	23 21 50.0	0.9		
			S	23 28 18.0	2.5		
			SME		$m_b = 6.3$	12.0	4.88
			sS	23 28 26.0	-6.5		
			LE		$M_s = 6.1$	14.0	9.09
			LZ		$M_s = 6.3$	40.0	66.8
DL2	47.6	334	-iP	23 22 00.0	1.2		
			S	23 28 56.0	5.6		
			LN		$M_s = 6.6$	18.0	24.4
			LE			20.0	27.0
TIA	47.6	328	eP	23 21 57.7	-1.2		
			ePP	23 23 48.6	-0.6		
			PPMZ			10.0	1.10
			eS	23 28 50.7	-1.0		
			SMN			13.0	3.00
			SME			14.0	3.80
			SS	23 32 19.0	5.8		
			LN		$M_s = 6.4$	16.0	19.7
			LE			17.0	12.6
			LZ		$M_s = 6.2$	17.0	23.4
GYA	48.1	310	P	23 22 01.6	-1.1		
			pP	23 22 12.0	-0.1		
			S	23 29 01.0	3.9		
			SS	23 32 25.0	3.7		
			LN		$M_s = 6.5$	18.0	26.9
			LE			18.0	5.40
SNY	49.3	338	+iP	23 22 12.0	0.1		
			PMZ			14.0	2.83
			pP	23 22 24.0	2.5		
			S	23 29 20.0	5.9		
			LN		$M_s = 6.5$	14.0	5.37
			LE			18.0	23.4
			LZ		$M_s = 6.3$	20.0	35.2
MDJ	49.9	345	eP	23 22 16.0	-0.6		
			PP	23 24 09.0	-2.7		
			S	23 29 25.0	2.5		
			LZ		$M_s = 5.9$	16.0	9.60
CN2	50.4	341	+iP	23 22 20.0	-0.2		
			PMZ		$m_b = 6.5$	4.0	2.30
			S	23 29 27.5	-1.6		
			SMN		$m_b = 6.3$	12.0	4.10
			SME			12.0	3.30
			SS	23 32 55.0	-5.0		
			LN		$M_s = 6.4$	17.0	16.0
			LE			17.0	15.4
			LZ		$M_s = 6.4$	18.0	34.5
KMI	50.5	307	-P	23 22 21.0	-0.3		
			sP	23 22 36.0	1.4		
			PP	23 24 19.0	2.1		
			iS	23 29 39.0	6.9		
			LE		$M_s = 6.1$	17.0	10.6
			LZ		$M_s = 6.1$	30.0	32.3
XAN	50.9	320	P	23 22 22.5	-1.8		
			S	23 29 34.0	-2.4		
			LN		$M_s = 6.4$	20.0	19.2
			LE			20.0	13.7
BJI	51.1	331	eP	23 22 24.0	-1.2		
			eS	23 29 40.0	0.9		
			LN		$M_s = 6.5$	18.0	19.9
			LE			20.0	18.6

APR 9d 00h 58m 37.2 ± 0.12s, SD1.70 / 11				APR 9d 04h 04m 22.4 ± 0.11s, SD1.01 / 81																
5.46 S ± 2.12km, 101.77 W ± 9.57km, h9 ± 0.57km				10.88 S ± 1.86km, 166.91 E ± 1.77km, h34 ± 0.39km																
Northern Easter I. Cordillera (694)				Santa Cruz Islands (184)																
TIY	51.3	326	eP	23 22	27.4	0.4				CD2	145.1	320	ePKP	01 18	17.2	0.8				
			PMZ		$m_B = 6.2$		7.0	2.08			GYA	145.8	311	PKP	01 18	18.8	1.3			
			sP	23 22	42.0	1.5					KSH	146.0	3	PKP	01 18	19.5	1.5			
			PP	23 24	28.0	4.0					APR 9d 23h 21m 11.7 ± 0.18s, SD1.33 / 56									
			S	23 29	40.0	-1.3					3.40 S ± 1.45km, 145.80 E ± 2.96km, h31 ± 0.37km									
			sS	23 29	58.0	-0.5					Near north coast of New Guinea (200)									
			ScS	23 32	12.0	1.3					$M_S 6.1 / 4, m_p 5.7 / 2,$									
			LN		$M_S = 6.6$		25.0	25.5			QZH	38.6	318	eP	23 28	34.5	0.3			
			LE				20.0	27.5			QZN	41.8	304	P	23 29	02.4	1.7			
			LZ		$M_S = 6.6$		14.0	45.7					eS	23 35	17.5	1.1				
CD2	52.6	314	+iP	23 22	37.1	0.0							LN		$M_S = 6.1$	17.0	11.8			
			eS	23 29	54.0	-7.0							LE			17.0	9.90			
			LE		$M_S = 6.5$		18.0	24.9												
HHC	54.0	328	eP	23 22	46.8	-0.5														
			S	23 30	15.0	-3.3														
			LN		$M_S = 6.7$		20.0	23.3												
			LE				19.0	28.6												
BTO	54.7	327	P	23 22	51.0	-1.1														
			sP	23 23	04.5	-1.2														
			PP	23 24	50.5	-4.6														
			S	23 30	26.0	-1.1														
			LN		$M_S = 6.5$		19.0	17.6												
			LE				20.0	21.4												
			LZ		$M_S = 6.4$		20.0	32.3												
LZH	55.5	319	eP	23 22	58.5	0.3														
			PMZ		$m_B = 6.5$		3.5	2.21												
			eS	23 30	42.0	2.3														
			LN		$M_S = 6.5$		18.0	12.4												
			LE				22.0	24.8												
GTA	60.0	320	+P	23 23	29.2	-0.8														
			eS	23 31	38.5	-0.4														
			SS	23 35	34.0	-1.2														
			LN		$M_S = 6.6$		7.5	10.2												
			LZ		$M_S = 6.1$		42.0	29.5												
LSA	61.8	306	eP	23 23	43.0	0.8														
WMQ	70.0	319	P	23 24	34.7	-0.2														
			SMN		$m_B = 6.4$		8.0	2.93												
			SS	23 38	14.0	2.0														
			LN		$M_S = 6.5$		22.0	17.6												
			LZ		$M_S = 6.2$		22.0	15.7												
KSH	76.8	312	eP	23 25	16.5	1.9														
			pP	23 25	28.0	3.8														
			ePP	23 28	12.0	4.1														
			S	23 34	59.0	1.9														
			LE		$M_S = 6.6$		18.0	16.9												



XAN	70.9	312	P	04 15 38.5	0.0		
			sS	04 25 01.0	-5.6		
			SKS	04 25 33.0	0.3		
			LN	$M_s = 5.6$	20.0	1.92	
			LE		20.0	1.37	
KMI	72.0	301	-P	04 15 46.0	0.4		
			SMN	$m_B = 6.2$	10.0	2.30	
			LZ	$M_s = 5.4$	20.0	2.30	
HHC	72.4	319	-P	04 15 48.0	-0.1		
			sP	04 16 02.0	0.2		
			PP	04 18 29.0	-1.1		
			eS	04 25 07.0	-2.0		
			SMN	$m_B = 5.7$	9.5	0.54	
			SME		11.0	0.46	
			SKS	04 25 46.0	1.6		
BTO	73.3	318	-P	04 15 54.0	0.7		
			pP	04 16 05.0	2.1		
			ePP	04 18 42.0	4.2		
			S	04 25 19.5	2.3		
			LN	$M_s = 5.4$	16.0	1.00	
			LE		13.0	0.30	
CD2	73.4	307	P	04 15 53.6	-0.1		
			eS	04 25 24.0	4.2		
LZH	75.5	312	-P	04 16 06.5	0.6		
			PMZ	$m_B = 6.1$	4.0	1.09	
			pP	04 16 17.0	1.6		
			eS	04 25 48.0	4.7		
			LN	$M_s = 5.6$	13.0	1.19	
GTA	79.8	314	-P	04 16 29.6	-0.1		
			PMZ	$m_B = 6.1$	4.0	1.06	
			S	04 26 34.0	6.6		
			LN	$M_s = 5.3$	20.0	0.87	
			LZ	$M_s = 5.1$	20.0	0.99	
LSA	83.2	302	-P	04 16 48.0	-0.1		
WMQ	89.8	315	P	04 17 19.0	-0.7		
			PP	04 20 52.5	-1.0		
			eSKS	04 27 45.0	0.7		
			sS	04 28 21.7	-2.2		
			LZ	$M_s = 5.1$	24.0	0.85	

APR 9d 04h 22m $30.2 \pm 0.09s$, SD0.92 / 65
 10.80 S $\pm 1.67km$, 166.73 E $\pm 1.50km$, h33 $\pm 0.19km$
 Santa Cruz Islands (184)
 $M_s 5.3 / 6$, $m_B 6.1 / 14$,

SSE	60.4	315	+P	04 32 38.0	-1.0		
			PMZ	$m_B = 5.9$	6.0	0.85	
NJ2	62.5	315	-P	04 32 53.5	-0.1		
			PMZ	$m_B = 6.0$	5.0	1.07	
			eS	04 41 13.0	-4.7		
MDJ	64.6	331	-P	04 33 07.5	0.3		
			PMZ	$m_B = 6.3$	5.0	2.00	
			S	04 41 45.0	2.8		
			LZ	$M_s = 5.2$	20.0	1.50	
DL2	64.9	322	P	04 33 09.0	0.0		
WHN	65.0	311	P	04 33 08.5	-1.0		
			PMZ	$m_B = 6.1$	4.0	0.90	
SNY	65.7	326	-P	04 33 13.5	-0.6		
			PMZ	$m_B = 6.1$	4.0	1.05	
CN2	66.0	328	IP	04 33 16.0	-0.5		
			PMZ	$m_B = 6.2$	4.0	1.30	
			sP	04 33 30.0	0.1		
			eS	04 42 03.0	1.9		
			LZ	$M_s = 5.1$	20.0	1.20	
TIA	66.1	318	-P	04 33 16.4	-0.4		
			eS	04 42 03.0	1.3		
			LN	$M_s = 5.4$	15.5	0.73	
			LE		15.5	1.00	
BJI	68.9	321	eP	04 33 34.0	-0.5		

GYA	69.1	304	-P	04 33 35.8	0.1		
TIY	70.0	317	-iP	04 33 42.0	0.4		
			PMZ	$m_B = 6.0$	6.0	1.15	
			pP	04 33 47.0	-3.9		
			S	04 42 45.0	-2.7		
			LE	$M_s = 5.5$	18.0	1.62	
			LZ	$M_s = 5.3$	20.0	1.62	
XAN	70.7	312	P	04 33 45.0	-0.4		
KMI	71.8	301	-P	04 33 54.0	1.6		
			PMZ	$m_B = 5.8$	6.0	0.80	
			PP	04 36 38.0	5.3		
HHC	72.3	319	-P	04 33 55.5	0.5		
BTO	73.1	318	eP	04 33 58.0	-2.2		
LZH	75.3	312	P	04 34 14.0	1.1		
			PMZ		3.0	0.75	
GTA	79.6	314	+P	04 34 37.0	0.3		
			PMZ	$m_B = 6.2$	4.0	1.14	
WMQ	89.6	315	P	04 35 26.4	-0.4		
			PP	04 39 00.0	-0.1		

APR 9d 05h 47m $18.9 \pm 0.10s$, SD2.65 / 9
 37.61 N $\pm 0.91km$, 102.11 E $\pm 0.92km$, h10 $\pm 0.31km$
 Qinghai Province (325)
 $M_L 3.5 / 6$,

LZH	2.1	137	Pg	05 47 54.5	-1.0		
			Sg	05 48 22.0	-1.4		
			SMN	$M_L = 3.9$	1.0	1.14	
			SME		1.0	0.71	
GTA	2.5	316	Pn	05 48 02.0	1.2		
			Pg	05 48 05.0	1.1		
			Sg	05 48 38.4	-0.3		
			SMN	$M_L = 3.4$	0.7	0.17	
			SME		0.6	0.21	

APR 9d 12h 57m $55.5 \pm 0.11s$, SD2.24 / 35
 29.63 N $\pm 1.62km$, 87.02 E $\pm 1.25km$, h32 $\pm 0.06km$
 Tibet (306)
 $M_s 4.4 / 7$, $m_B 4.8 / 1$,

LSA	3.6	88	ePn	12 58 53.4	3.5		
			Pg	12 58 56.0	-3.1		
			Sg	12 59 53.0	4.6		
			LN	$M_s = 4.4$	5.0	2.86	
			LE		7.0	4.69	
KSH	13.4	320	eP	13 01 03.5	-3.3		
			eS	13 03 32.0	-4.2		
			LE	$M_s = 4.5$	8.0	1.20	
GTA	14.3	44	eP	13 01 24.0	5.3		
CD2	14.5	81	eP	13 01 21.2	0.3		
			LE	$M_s = 4.7$	9.0	1.74	
KMI	14.7	104	eP	13 01 24.5	1.5		
LZH	15.5	61	eP	13 01 30.0	-4.1		
			eS	13 04 20.0	-5.6		
			SME	$m_B = 4.8$	8.0	0.44	
GYA	17.6	96	P	13 01 58.2	-2.4		
XAN	19.1	71	P	13 02 19.5	0.8		
BTO	21.7	54	eP	13 02 50.6	4.6		
TIY	22.6	62	eP	13 02 53.8	-1.0		
			LN	$M_s = 4.4$	11.0	0.32	
			LE		10.0	0.35	
			LZ	$M_s = 4.4$	10.0	0.64	
WHN	23.6	81	eP	13 03 05.0	-0.1		
BJI	26.0	59	P	13 03 26.0	-1.4		
CN2	33.6	54	eP	13 04 37.8	2.6		

APR 9d 14h 56m $56.4 \pm 0.12s$, SD2.20 / 19
 29.61 N $\pm 0.98km$, 102.90 E $\pm 1.13km$, h5 $\pm 0.21km$
 Sichuan Province (307)
 $M_L 3.8 / 9$,

BTO	24.4	339	eP	13 57 16.5	0.9
WMQ	38.0	320	eP	13 59 17.5	1.5
APR 10d 18h 30m 28.5 ± 0.11s, SD1.21 / 44					
5.25 N ± 1.64km, 126.49 E ± 1.68km, h48 ± 1.14km					
Talaud Islands (263)					
SSE	26.2	350	eP	18 36 03.5	2.7
NJ2	27.6	346	eP	18 36 14.0	0.3
WHN	27.6	337	eP	18 36 17.0	3.0
GYA	28.3	320	P	18 36 22.2	1.6
			PcP	18 39 33.8	2.1
XAN	33.0	333	P	18 36 59.5	-1.8
CD2	33.3	323	P	18 37 03.3	-0.8
DL2	33.8	353	P	18 37 09.4	1.1
TIY	34.8	340	eP	18 37 16.5	-0.3
BJI	35.9	346	eP	18 37 25.5	-0.5
SNY	36.5	356	+P	18 37 32.8	1.3
LZH	37.1	329	P	18 37 37.0	0.5
HHC	37.9	341	eP	18 37 43.2	0.0
CN2	38.4	359	eP	18 37 48.0	0.6
MDJ	39.3	3	eP	18 37 54.5	-0.4
GTA	41.7	328	P	18 38 13.6	-1.1
WMQ	51.3	324	eP	18 39 29.7	-1.1

APR 11d 01h 07m 18.0 ± 0.11s, SD2.51 / 20					
39.59 N ± 1.17km, 118.74 E ± 1.14km, h5 ± 0.24km					
North-Eastern China (658)					
M _L 3.5 / 19,					
BJI	2.0	284	ePn	01 07 51.0	-2.2
			Pg	01 07 54.0	0.2
			eSg	01 08 19.5	-2.0
			SMN	M _L =2.9	0.5 0.098
			SME		0.5 0.10
DL2	2.3	106	ePn	01 07 58.8	1.3
			Pg	01 08 02.0	2.6
			Sg	01 08 29.5	-1.9
			SMN	M _L =3.2	0.5 0.16
			SME		0.5 0.12
TIA	3.6	201	ePn	01 08 14.7	-0.2
			Pg	01 08 25.6	4.0
			Sg	01 09 13.5	2.6
			SMN	M _L =3.0	0.5 0.033
			SME		0.5 0.048
SNY	4.3	57	ePg	01 08 32.6	-1.5
			Sg	01 09 31.7	-1.1
			SMN	M _L =3.5	1.0 0.12
			SME		1.0 0.060
TIY	5.3	251	ePg	01 08 53.6	2.2
			Sg	01 09 58.6	-4.8
			SMN	M _L =3.6	0.8 0.050
			SME		1.0 0.080
HHC	5.6	285	ePg	01 08 59.4	1.6
			Sg	01 10 13.2	-1.4
			SMN	M _L =3.5	0.7 0.022
			SME		0.8 0.056
CN2	6.6	48	ePg	01 09 16.0	2.2
			eSg	01 10 43.0	-0.2
			SMN	M _L =3.9	0.8 0.060
			SME		0.8 0.060

APR 11d 02h 20m 39.0 ± 0.22s, SD2.50 / 36					
26.91 N ± 2.32km, 97.11 E ± 1.56km, h32 ± 0.25km					
Burma (296)					
M _S 4.4 / 8, M _L 4.3 / 6,					
KMI	5.4	108	ePn	02 22 01.5	3.9
			Pg	02 22 17.0	3.0
			eSn	02 23 03.0	3.2
			SMN	M _L =4.5	1.5 0.70

			SME		1.5 0.29
			LN	M _S =4.4	7.0 3.30
			LE		6.0 1.20
LSA	5.9	299	Pn	02 22 07.2	1.5
CD2	7.1	54	Pn	02 22 24.2	3.5
			Pg	02 22 49.7	5.9
			Sg	02 24 21.0	0.6
			SME	M _L =4.3	1.4 0.13
GYA	8.6	91	P	02 22 41.8	-2.1
			SMN	M _L =4.3	1.6 0.070
LZH	10.8	30	eP	02 23 14.0	-0.9
XAN	12.4	52	eP	02 23 32.4	-4.2
			LN	M _S =4.1	7.0 0.41
GTA	12.7	10	eP	02 23 45.6	5.5
			LE	M _S =4.4	9.0 0.95
WHN	15.6	72	eP	02 24 18.0	0.3
			LN	M _S =4.6	10.0 1.45
TIY	16.8	46	eP	02 24 32.3	-1.7
			LN	M _S =4.2	9.0 0.34
			LE		9.0 0.28
			LZ	M _S =4.2	10.0 0.64
HHC	18.3	37	eP	02 24 51.4	-1.5
WMQ	18.5	338	eP	02 24 55.5	0.5
TIA	19.4	57	eP	02 25 02.7	-2.5
			LN	M _S =4.4	12.0 0.57
			LE		12.0 0.51
BJI	20.6	46	eP	02 25 21.0	3.3

APR 11d 02h 50m 10.6 ± 0.10s, SD3.18 / 13					
37.28 N ± 0.85km, 114.84 E ± 0.95km, h10 ± 0.37km					
Eastern China (664)					
M _L 3.3 / 10,					
TIY	2.0	283	Pg	02 50 45.3	-0.1
			Sg	02 51 11.2	-0.8
			SMN	M _L =3.4	0.4 0.23
			SME		0.3 0.42
TIA	2.1	120	Pn	02 50 43.3	-3.3
			Pg	02 50 45.8	-2.4
			Sg	02 51 12.2	-5.1
			SMN	M _L =3.3	0.3 0.21
			SME		0.3 0.25
BJI	2.9	20	ePn	02 51 00.0	2.1
			Pg	02 51 02.5	-0.1
			Sg	02 51 36.0	-6.9
			SMN	M _L =2.9	0.5 0.050
			SME		0.5 0.040
HHC	4.4	325	ePg	02 51 27.4	-0.7
			Sg	02 52 24.8	-3.0
			SMN	M _L =3.3	0.8 0.051
			SME		0.8 0.048
XAN	5.8	238	ePn	02 51 43.0	5.8
			ePg	02 51 58.3	5.3
			Sg	02 53 11.0	-1.4

APR 11d 06h 30m 29.8 ± 0.06s, SD1.28 / 46					
17.92 S ± 1.67km, 172.44 W ± 1.75km, h35 ± 0.83km					
Tonga region (174)					
M _S 5.3 / 2, m _B 5.9 / 4,					
SSE	80.2	307	P	06 42 40.0	0.9
			SKS	06 52 52.0	4.1
			LZ	M _S =4.8	24.0 0.60
MDJ	81.6	322	eP	06 42 46.0	-0.3
			eS	06 52 55.0	0.1
			LZ	M _S =5.0	35.0 1.30
NJ2	82.4	307	+P	06 42 52.0	1.4
			eS	06 53 04.0	0.5
DL2	83.6	314	eP	06 42 57.0	0.4
			eS	06 53 22.0	6.7

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<p>APR 11d 09h 30m $55.0 \pm 0.20s$, SD2.96 / 7 46.06 N $\pm 1.96km$, 82.39 E $\pm 0.86km$, h4 $\pm 0.18km$ Kazakhstan-Xinjiang border region (331) $M_L 3.5 / 6$,</p>					<p>Vanuatu (New Hebrides) (195)</p>						
CN2	83.6	320	eP	06 42 56.0	-0.7						
SNY	83.7	317	eP	06 42 57.2	-0.2						
			S	06 53 16.0	0.8						
WHN	85.3	304	eP	06 43 06.0	1.0						
TIA	85.5	310	eP	06 43 06.2	-0.2						
			eS	06 53 38.0	3.5						
			SME			$m_B = 5.9$	6.0	0.64			
			LE			$M_S = 5.2$	18.0	0.59			
BJI	87.9	313	eP	06 43 18.0	0.3						
			eSKS	06 53 46.0	6.3						
TIY	89.6	310	-P	06 43 26.0	0.1						
			sP	06 43 42.0	2.0						
			SMN			$m_B = 5.9$	6.0	0.34			
			SME				6.0	0.56			
			LE			$M_S = 5.3$	6.0	0.22			
			LZ			$M_S = 5.0$	26.0	0.71			
GYA	90.0	298	P	06 43 29.0	0.9						
			sP	06 43 45.0	2.9						
			S	06 54 08.0	-7.1						
XAN	90.8	305	P	06 43 31.6	-0.3						
<p>APR 11d 20h 27m $42.4 \pm 0.08s$, SD2.17 / 62 38.07 N $\pm 1.10km$, 106.38 E $\pm 0.96km$, h15 $\pm 0.01km$ Northern China (323) $M_S 4.1 / 10$, $M_L 4.7 / 22$,</p>											
LZH	2.8	226	Pn	20 28 29.5	1.7						
			Pg	20 28 33.5	1.0						
			Sg	20 29 10.0	-1.3						
			SMN			$M_L = 4.6$		0.5	2.00		
			SME					0.5	3.83		
BTO	3.8	47	ePn	20 28 41.0	0.2						
			Pg	20 28 53.4	4.2						
			Sn	20 29 26.0	-1.0						
			Sg	20 29 40.2	-0.8						
			SMN			$M_L = 4.5$		0.6	1.47		
			SME					0.6	1.06		
			SMZ			$M_L = 4.4$		0.6	0.63		
XAN	4.5	152	Pn	20 28 53.2	2.3						
			Pg	20 29 06.3	4.1						
			Sn	20 29 44.8	-0.4						
			Sg	20 30 02.0	-2.0						
			SMN			$M_L = 4.4$		1.0	0.74		
			SME					1.0	0.54		
			LN			$M_S = 4.0$		10.0	1.93		
			LE					9.0	1.44		
TIY	4.8	92	ePn	20 28 54.8	0.0						
			Pg	20 29 10.2	3.0						
			Sn	20 29 53.7	1.5						
			Sg	20 30 09.6	-3.3						
			SMN			$M_L = 5.1$		1.0	3.23		
			SME					1.5	2.24		
			LE			$M_S = 4.1$		7.0	1.89		
			LZ			$M_S = 4.2$		10.0	2.80		
HHC	4.9	54	Pn	20 28 56.6	0.7						
			Pg	20 29 10.0	1.5						
			Sg	20 30 13.6	-1.6						
			SMN			$M_L = 4.6$		0.6	0.76		
			SME					0.6	0.74		
GTA	5.3	287	Pn	20 29 01.8	0.0						
			Pg	20 29 18.4	2.3						
			Sg	20 30 24.6	-4.0						
			SMN			$M_L = 4.4$		1.0	0.44		
			SME					1.0	0.41		
			LE			$M_S = 3.7$		12.0	1.17		
			LZ			$M_S = 4.0$		10.0	1.39		
CD2	7.5	198	ePn	20 29 35.8	4.5						
			Sg	20 31 35.9	-0.3						
			SMN			$M_L = 4.6$		1.0	0.15		
			SME					1.2	0.25		
			LZ			$M_S = 4.2$		12.0	1.77		
BJI	7.9	73	ePn	20 29 40.0	3.2						
			Pg	20 30 07.0	5.7						
<p>APR 11d 18h 09m $06.2 \pm 0.11s$, SD1.39 / 50 16.80 S $\pm 1.51km$, 167.79 E $\pm 2.20km$, h32 $\pm 0.47km$</p>											
LSA	5.0	66	P	12 12 47.2	0.7						
KSH	14.4	327	eP	12 14 53.0	-0.9						
CD2	15.9	74	P	12 15 17.6	3.6						
WMQ	16.1	5	P	12 15 17.5	1.0						
GTA	16.4	41	+P	12 15 22.6	2.1						
LZH	17.4	57	eP	12 15 34.5	2.1						
GYA	18.6	89	P	12 15 45.4	-1.7						
XAN	20.7	67	P	12 16 10.0	-1.0						
BTO	23.7	51	eP	12 16 40.6	0.5						
TIY	24.4	59	eP	12 16 47.3	0.1						
WHN	25.0	77	P	12 16 53.0	-0.1						
SNY	33.7	55	eP	12 18 11.2	0.0						
CN2	35.5	53	eP	12 18 27.0	0.4						

TIA	8.8	99	Sg	20 31 48.5	-0.5		
			SMN		$M_L=4.3$	0.5	0.12
			SME			0.5	0.080
			P	20 29 50.0	-2.1		
			LN		$M_S=4.1$	10.0	0.52
WHN	10.0	136	LE			10.0	0.95
			LZ		$M_S=4.1$	10.0	1.10
			eP	20 30 09.5	0.8		
			SMN			1.0	0.096
GYA	11.6	179	SME			1.0	0.070
			LN		$M_S=4.4$	10.0	1.65
			P	20 30 29.6	-1.1		
			sP	20 30 39.0	0.0		
			S	20 32 33.6	-6.7		
KMI	13.3	195	eP	20 30 53.5	-0.1		
SNY	13.7	69	+P	20 31 00.4	1.3		
WMQ	15.2	298	eP	20 31 24.0	5.0		
			SME			1.8	0.15
CN2	15.5	62	eP	20 31 26.0	3.6		
QZN	19.2	170	eP	20 32 10.0	1.1		

GTA	5.2	286	Pn	20 46 32.2	-0.5		
			Pg	20 46 49.6	2.7		
			Sn	20 47 30.6	-4.3		
			Sg	20 47 55.0	-3.7		
			SMN		$M_L=4.1$	0.8	0.19
GYA	11.6	178	SME			0.8	0.20
			LE		$M_g=3.4$	13.0	0.67
			P	20 48 00.8	-2.4		
			pP	20 48 09.0	0.7		
			sP	20 48 15.8	4.0		
			S	20 50 12.0	-1.4		

APR 11d 21h 59m $00.4 \pm 0.12s$, SD3.08 / 12
 38.16 N $\pm 1.12km$, 106.26 E $\pm 1.14km$, h11 $\pm 0.15km$
 Northern China (323)
 $M_L 3.3 / 10$,

APR 11d 20h 38m $04.8 \pm 0.07s$, SD2.82 / 6
 38.16 N $\pm 0.64km$, 106.34 E $\pm 0.68km$, h11 $\pm 0.17km$
 Northern China (323)
 $M_L 3.3 / 3$,

BTO	3.7	48	Pg	20 39 13.0	1.8		
XAN	4.6	152	Sg	20 40 02.0	-0.2		
			ePg	20 39 27.0	0.5		
GTA	5.2	286	Sg	20 40 24.0	-5.4		
			ePg	20 39 39.2	1.5		
			Sg	20 40 46.2	-3.0		
			SMN		$M_L=2.7$	0.8	0.010
			SME			0.8	0.0080

LZH	2.8	224	Pg	21 59 50.0	-0.7		
			Sg	22 00 24.5	-4.7		
			SMN		$M_L=3.2$	1.5	0.13
BTO	3.8	49	SME			1.5	0.081
			Pg	22 00 07.6	0.0		
XAN	4.6	152	Sg	22 00 56.3	-3.0		
			ePn	22 00 14.5	3.6		
			Pg	22 00 20.0	-2.5		
			Sn	22 01 02.2	-4.7		
HHC	4.9	55	SMN		$M_L=2.8$	1.0	0.020
			SME			1.0	0.010
			ePg	22 00 26.4	-0.8		
TIY	4.9	93	Sg	22 01 27.6	-6.4		
			SMN		$M_L=3.4$	0.6	0.049
			SME			0.6	0.054
			ePg	22 00 26.0	-1.2		
GTA	5.2	286	SMN		$M_L=3.3$	0.5	0.050
			SME			0.7	0.030
			ePn	22 00 17.2	-1.2		
			Pg	22 00 33.0	1.1		
			Sn	22 01 15.2	-5.0		
			Sg	22 01 40.2	-2.7		
			SMN		$M_L=3.0$	0.8	0.018
			SME			0.6	0.015

APR 11d 20h 45m $14.3 \pm 0.12s$, SD2.86 / 28
 38.13 N $\pm 1.37km$, 106.32 E $\pm 1.17km$, h16 $\pm 0.26km$
 Northern China (323)
 $M_S 3.6 / 3$, $M_L 4.2 / 16$,

LZH	2.8	225	Pn	20 46 03.5	3.8		
			Pg	20 46 07.5	3.0		
			Sn	20 46 40.0	4.7		
			SMN		$M_L=4.3$	0.5	1.40
			SME			0.5	1.23
BTO	3.8	48	Pn	20 46 12.4	-0.1		
			Pg	20 46 24.4	3.4		
			Sg	20 47 12.2	-0.5		
			SMN		$M_L=3.8$	0.6	0.27
			SME			0.6	0.24
XAN	4.6	152	SMZ		$M_L=3.9$	0.6	0.19
			Pn	20 46 23.0	-0.6		
			Pg	20 46 36.0	0.7		
			Sn	20 47 15.0	-3.6		
			Sg	20 47 33.0	-5.1		
TIY	4.8	93	SMN		$M_L=4.1$	1.0	0.36
			SME			1.0	0.27
			ePn	20 46 26.5	-0.7		
			Pg	20 46 40.5	0.6		
			SMN			2.0	1.31
HHC	4.9	55	SME			2.0	0.81
			LE		$M_g=3.7$	7.0	0.78
			LZ		$M_g=3.9$	10.0	1.27
			Pn	20 46 27.4	-0.3		
			Pg	20 46 40.0	-0.4		
			Sn	20 47 22.0	-3.8		
			Sg	20 47 50.4	3.2		
			SMN		$M_L=4.2$	0.8	0.30

APR 11d 22h 35m $16.9 \pm 0.13s$, SD1.81 / 93
 23.36 N $\pm 1.66km$, 121.30 E $\pm 1.84km$, h22 $\pm 0.47km$
 Taiwan (244)
 $M_S 5.2 / 40$, $M_L 5.2 / 5$, $m_B 5.3 / 4$,

QZH	2.9	303	iPn	22 36 03.4	0.6		
			iSn	22 36 45.0	5.9		
			SMN		$M_L=4.9$	1.0	5.22
GZH	7.3	269	SME			1.0	4.16
			LN			5.0	20.3
			eP	22 37 05.0	-0.5		
SSE	7.7	359	LN		$M_S=4.9$	10.0	4.90
			LE			12.0	9.30
			-iP	22 37 10.5	-0.3		
			S	22 38 35.0	-3.0		
NJ2	8.9	346	SMN		$M_L=5.2$	1.2	0.69
			SME			1.0	0.85
			-P	22 37 25.8	-2.0		
WHN	9.5	321	S	22 39 02.7	-5.7		
			LN		$M_S=5.3$	6.0	6.90
			LE			11.0	16.4
			P	22 37 33.5	-1.7		
QZN	11.5	250	S	22 39 22.5	0.7		
			SMN			1.0	1.32
			SME			1.5	3.10
			LE		$M_S=5.3$	8.0	12.2
			LZ		$M_S=5.4$	12.0	21.7
			eP	22 38 04.4	0.9		

APR 12d 11h 20m 25.5 ± 0.07s, SD1.01 / 44
6.15 S ± 0.97km, 154.46 E ± 1.00km, h29 ± 0.18km
New Britain region (192)

QZH	46.6	313	eP	11 28 55.2	1.8
WHN	53.0	316	eP	11 29 41.5	-0.6
CN2	56.2	335	-P	11 30 04.5	-1.3
GYA	56.5	307	+P	11 30 08.8	0.6
BJI	57.9	326	eP	11 30 18.0	0.0
XAN	58.7	316	eP	11 30 23.0	-0.7
CD2	60.9	310	P	11 30 39.0	0.6
LZH	63.3	316	eP	11 30 55.0	-0.1
GTA	67.8	317	eP	11 31 23.5	0.1
LSA	70.4	304	P	11 31 40.0	0.2

APR 12d 15h 26m 19.6 ± 0.21s, SD2.20 / 56
2.73 S ± 3.00km, 77.51 W ± 4.01km, h20 ± 1.44km
Peru-Ecuador border region (110)

KSH	136.1	30	ePKP	15 45 42.0	1.0
WMQ	137.0	16	PKP	15 45 43.0	0.3
BJI	140.8	343	ePKP	15 45 49.0	-0.5
GTA	143.4	3	ePKP	15 45 50.8	-3.2
TIY	144.0	347	ePKP	15 45 53.0	-2.0
TIA	144.0	340	ePKP	15 45 51.7	-3.2
SSE	146.7	330	PKP	15 46 00.7	1.1
			PKP2	15 46 08.5	5.3
LZH	146.8	358	ePKP	15 46 01.5	1.6
NJ2	147.0	334	+PKP	15 46 01.0	0.9
XAN	148.3	350	ePKP	15 46 01.5	-0.7
WHN	150.1	339	ePKP	15 46 06.5	1.4
LSA	151.1	21	PKP	15 46 08.2	1.2
CD2	151.9	358	ePKP	15 46 07.2	-0.7
GYA	156.1	351	PKP	15 46 14.0	0.5
KMI	157.7	359	PKP	15 46 17.5	1.6

APR 12d 16h 22m 10.7 ± 0.23s, SD0.95 / 57
17.45 S ± 1.07km, 174.55 W ± 1.54km, h218 ± 1.57km
Tonga (173)

MDJ	80.0	323	eP	16 33 56.7	-1.2
DL2	81.8	315	eP	16 34 07.7	0.2
CN2	82.0	321	+P	16 34 07.0	-1.2
SNY	82.1	318	-P	16 34 08.6	-0.1
BJI	86.1	314	eP	16 34 28.5	-0.4
TIY	87.7	311	eP	16 34 37.0	0.1
			LZ		20.0 0.50
GYA	88.0	298	P	16 34 39.6	1.3
XAN	88.9	306	-P	16 34 42.5	0.0
HHC	89.6	313	eP	16 34 47.0	1.2
BTO	90.6	313	eP	16 34 50.0	-0.3
KMI	90.9	296	-P	16 34 53.0	1.1
CD2	91.9	302	eP	16 34 57.2	0.7
LZH	93.6	307	eP	16 35 04.5	0.5
GTA	97.6	309	P	16 35 22.2	-0.2

APR 12d 16h 43m 15.1 ± 0.09s, SD2.09 / 26
34.78 N ± 1.17km, 79.64 E ± 1.26km, h31 ± 0.13km
Kashmir-Tibet border region (304)
M_s4.3 / 1, M_L4.2 / 3,

KSH	5.6	329	ePn	16 44 42.0	5.4
			eSn	16 45 46.0	4.7
			LE	M _s = 4.3	6.0 2.20
LSA	11.0	114	P	16 45 54.0	0.1
GTA	16.7	68	P	16 47 11.8	2.5
CD2	20.6	94	eP	16 47 53.2	-1.5
KMI	22.2	109	eP	16 48 10.0	-0.6
GYA	24.6	102	P	16 48 36.6	2.0
BTO	24.7	67	eP	16 48 35.8	1.0
WHN	29.4	88	eP	16 49 20.0	1.5

APR 12d 19h 41m 41.7 ± 0.20s, SD1.46 / 34
10.73 N ± 1.41km, 62.91 W ± 1.52km, h93 ± 1.88km
Near coast of Venezuela (97)

CN2	125.2	353	ePKP	20 00 30.5	-2.1
GTA	127.6	17	PKP	20 00 37.8	0.4
HHC	128.4	5	ePKP	20 00 39.0	0.0
BTO	128.5	7	ePKP	20 00 38.7	-0.4
BJI	129.5	1	ePKP	20 00 41.0	0.2
XAN	134.8	10	ePKP	20 00 51.0	0.0
WHN	138.9	4	ePKP	20 00 58.5	0.1
GYA	141.7	15	PKP	20 01 00.2	-3.3
KMI	141.7	21	ePKP	20 01 04.5	0.8

APR 12d 20h 13m 42.1 ± 0.09s, SD1.03 / 38
33.81 S ± 1.56km, 56.09 E ± 1.91km, h9 ± 0.17km
Atlantic-Indian Ridge (428)

LSA	71.3	32	P	20 25 04.7	-0.7
KMI	73.5	43	eP	20 25 18.0	0.1
GYA	76.8	45	P	20 25 36.4	-0.3
CD2	78.5	40	eP	20 25 45.8	-0.5
WMQ	82.5	23	eP	20 26 07.5	0.3
LZH	82.6	37	eP	20 26 08.0	-0.1
GTA	83.3	33	P	20 26 12.0	0.1
XAN	83.7	42	eP	20 26 13.6	-0.2
WHN	84.4	47	eP	20 26 19.0	2.0
TIY	88.4	41	eP	20 26 38.0	1.4
BTO	89.2	38	eP	20 26 39.8	-0.7
HHC	90.2	39	eP	20 26 47.0	1.9

APR 12d 20h 26m 17.6 ± 0.14s, SD1.43 / 65
33.83 S ± 2.73km, 56.06 E ± 2.45km, h8 ± 0.22km
Atlantic-Indian Ridge (428)
M_s5.5 / 17, m_b5.8 / 4, m_b5.5 / 1,

LSA	71.4	32	P	20 37 40.3	-1.0
QZN	73.4	53	eP	20 37 51.0	-1.9
			eS	20 47 20.0	-1.5
KMI	73.5	43	eP	20 37 53.5	-0.3
			eS	20 47 22.0	-1.2
			LE	M _s = 5.8	20.0 3.40
KSH	75.3	16	eP	20 38 02.0	-1.8
			eS	20 47 44.0	1.4
			eSKS	20 48 08.0	0.7
			LE	M _s = 5.7	16.0 2.00
GYA	76.8	45	P	20 38 12.2	-0.4
			pP	20 38 15.0	-2.5
			S	20 48 00.0	2.2
			LE	M _s = 5.5	20.0 1.50
CD2	78.6	40	eP	20 38 21.6	-0.6
			S	20 48 16.0	-0.6
WMQ	82.5	23	eP	20 38 43.5	0.4
			S	20 49 00.0	2.6
			LN	M _s = 5.9	22.0 4.00
			LZ	M _s = 5.7	22.0 4.10
LZH	82.6	37	eP	20 38 44.0	0.0
			PMZ	m _b = 5.5	2.0 0.098
			LE	M _s = 5.5	26.0 1.66
GTA	83.4	33	P	20 38 47.1	-0.6
			SKS	20 49 10.0	5.0
			LE	M _s = 5.4	28.0 1.48
			LZ	M _s = 5.4	28.0 2.22
XAN	83.8	42	eP	20 38 49.2	-0.4
			S	20 49 11.0	0.7
WHN	84.4	48	eP	20 38 53.0	0.2
			S	20 49 16.0	-0.8
			SME	m _b = 6.1	12.0 1.81
			LZ	M _s = 5.4	24.0 2.10
NJ2	88.2	49	eP	20 39 12.0	0.4
			S	20 49 50.0	-3.6

			LN		$M_s = 5.8$	19.0	0.78			PPMZ		15.0	4.51
			LE			16.0	2.05			LN	$M_s = 7.1$	20.9	21.1
TIY	88.4	41	eP	20 39	12.5	0.1			HHC	156.3	353	19.0	12.2
			SKS	20 49	40.0	1.9				LE			
			SMN		$m_B = 5.7$	11.0	0.38			PKP	23 39	49.0	0.7
			SME			10.0	0.52			PKP2	23 40	18.0	0.5
			SS	20 55	45.0	-3.0				PP	23 43	53.0	-3.5
			LN		$M_s = 5.2$	16.0	0.52			SKS	23 46	45.0	-3.2
			LZ		$M_s = 5.4$	20.0	1.49		BTO	156.7	356	18.0	12.8
SSE	89.1	51	eP	20 39	16.0	0.3				LE		18.0	24.1
			SKS	20 49	44.0	1.5				PKP	23 39	48.5	-0.3
			S	20 50	06.0	4.5				pPKP	23 39	59.0	1.8
			LE		$M_s = 5.4$	16.0	0.76			PP	23 43	54.0	-4.3
			LZ		$M_s = 5.4$	19.0	1.37			PPMZ		13.0	6.30
BTO	89.2	38	eP	20 39	15.0	-1.4				LN	$M_s = 7.3$	19.0	31.6
			sP	20 39	20.0	-3.9				LE		19.0	17.4
			ePP	20 42	50.0	2.1			GTA	156.9	16	20.0	48.6
			eSKS	20 49	45.0	1.8				LZ	$M_s = 7.4$		
			S	20 50	01.5	-1.0				PKP	23 39	49.3	0.1
			LN		$M_s = 5.4$	17.0	0.50			PP	23 44	02.0	2.6
			LE			17.0	0.70			SS	24 03	41.0	-6.2
			LZ		$M_s = 5.3$	17.0	1.10			LN	$M_s = 7.3$	24.0	33.7
TIA	90.0	45	eP	20 39	19.9	-0.1				LE		20.0	26.0
			sS	20 50	17.0	-3.1				LZ	$M_s = 7.3$	20.0	39.4
			LN		$M_s = 5.5$	17.0	0.92		TIY	159.2	350		
HHC	90.2	39	P	20 39	21.7	0.7				PKP	23 39	52.0	0.0
BJI	92.1	42	P	20 39	29.0	-0.6				pPKP	23 40	04.0	3.7
			eS	20 50	25.0	-5.1				PP	23 44	07.5	-4.7
			eSS	20 56	40.0	-0.9				PPMZ		14.0	11.0
			LZ		$M_s = 5.5$	22.0	1.88			SS	24 04	16.0	3.2
<p>APR 12d 23h 19m $55.5 \pm 0.24s$, SD1.51 / 97 17.28 S $\pm 2.28km$, 72.23 W $\pm 3.16km$, h29 $\pm 1.49km$ Near coast of Peru (115) $M_s 7.2 / 46$, $m_B 6.6 / 12$,</p>													
KSH	144.6	45	iPKP	23 39	31.0	0.5				LN	$M_s = 7.4$	19.0	29.5
			LE		$M_s = 7.5$	16.0	47.2			LE		19.0	29.0
MDJ	147.2	331	ePKP	23 39	35.0	0.2				LZ	$M_s = 7.1$	19.0	26.9
			PKP2	23 39	39.0	-0.4			LSA	160.4	48		
			pPKP	23 39	46.0	2.9				PKP	23 39	53.6	-0.1
			PP	23 43	06.0	1.1				PP	23 44	20.0	1.7
			SKKS	23 49	48.0	-2.1				SKKS	23 51	02.0	0.4
			SS	24 01	55.0	-6.1				LE	$M_s = 7.3$	18.0	32.8
			LZ		$M_s = 7.1$	18.0	25.3		LZH	160.9	10		
WMQ	148.6	28	PKP	23 39	37.5	0.4				ePKP	23 39	54.5	0.6
			PP	23 43	12.0	-0.8				pPKP	23 40	05.0	2.9
			PPMZ			16.0	11.3			SKKS	23 51	04.0	-1.0
			LN		$M_s = 7.4$	20.0	40.1		SSE	161.6	321		
CN2	149.6	334	PKP	23 39	38.0	-0.7				PKP	23 39	55.0	0.6
			sPKP	23 39	53.0	2.5				pPKP	23 40	06.0	3.2
			ePP	23 43	18.0	-0.8				PKP2	23 40	38.0	-2.4
			LN		$M_s = 7.2$	18.0	23.2			PP	23 44	23.0	-2.1
			LZ		$M_s = 7.1$	18.0	25.0			SKKS	23 51	04.0	-4.4
SNY	152.0	334	PKP	23 39	42.0	-0.4				iSS	24 04	32.0	-5.3
			pPKP	23 39	53.0	2.2				LN	$M_s = 7.2$	20.0	25.8
			PP	23 43	32.0	-0.2				LE		21.0	12.1
			PPMZ			18.0	7.73			LZ	$M_s = 7.4$	20.0	46.3
			SKKS	23 50	10.0	-6.5			NJ2	162.2	328		
			LN		$M_s = 7.0$	21.0	11.0			+PKP	23 39	55.0	0.1
			LE			19.5	12.6			PP	23 44	26.0	-2.0
			LZ		$M_s = 6.8$	18.5	12.5			PPMZ		14.0	5.63
DL2	155.3	333	ePKP	23 39	46.0	-0.8				SKKS	23 51	17.0	5.7
			PP	23 43	52.0	1.4				LN	$M_s = 7.2$	19.0	7.79
			PPMZ			13.0	7.68			LE		19.0	28.6
			LN		$M_s = 7.2$	18.0	18.9		XAN	163.3	357		
			LE			18.0	14.4			PKP	23 39	56.6	0.5
BJI	156.2	344	ePKP	23 39	48.0	0.0				pPKP	23 40	06.8	2.3
			ePKP2	23 40	14.0	-3.0				PP	23 44	30.0	-3.6
										PPMZ	$m_B = 6.9$	7.0	8.30
										SKKS	23 51	10.0	-6.7
										LN	$M_s = 7.2$	17.0	25.6
										LE		17.0	9.00

WHN	165.5	337	PKP	23 39 58.0	-0.2		
			pPKP	23 40 10.0	3.4		
			PP	23 44 44.0	-1.5		
			PPMZ			18.0	9.82
			LE	$M_s=6.9$		18.0	12.0
CD2	165.9	14	ePKP	23 39 59.8	1.1		
			PKP2	23 40 58.0	-1.3		
			PP	23 44 45.0	-2.7		
			PPMZ			16.0	19.9
			SKKS	23 51 30.0	0.0		
			LN	$M_s=7.4$		20.0	45.5
			LZ	$M_s=7.3$		20.0	40.8
QZH	167.4	309	PKP	23 40 00.0	0.4		
			pPKP	23 40 13.0	5.0		
			PPMZ	$m_b=6.5$		7.0	3.68
			SKS	23 46 58.5	1.3		
			SKKS	23 51 42.0	5.0		
			LN	$M_s=6.9$		18.0	12.5
GYA	170.8	6	PKP	23 40 02.0	0.2		
			pPKP	23 40 12.0	1.9		
			sPKP	23 40 16.0	2.7		
			PP	23 45 08.0	-4.1		
			LN	$M_s=6.9$		26.0	17.9
			LE			26.0	14.7
KMI	170.9	30	PKP	23 40 02.5	0.5		
			pPKP	23 40 13.5	3.4		
			sPKP	23 40 16.0	2.6		
			iPP	23 45 12.0	-0.5		
			SKKS	23 51 57.0	2.2		
			SS	24 06 12.0	1.6		
			LE	$M_s=7.0$		20.0	25.6
			LZ	$M_s=7.1$		26.0	38.9
GZH	172.2	319	PKP	23 40 03.0	0.5		
			PP	23 45 20.0	1.0		
			LN	$M_s=7.1$		18.0	6.60
			LE			18.0	26.8
QZN	177.4	312	PKP	23 40 05.0	0.9		
			pPKP	23 40 16.0	3.6		
			sPKP	23 40 20.0	4.3		
			PKP2	23 41 56.0	6.2		
			PP	23 45 50.0	6.3		
			SKKS	23 52 32.0	7.0		
			SS	24 07 18.0	6.0		
			LN	$M_s=7.0$		19.0	22.6
			LE			19.0	31.9

APR 13d 00h 02m $42.4 \pm 0.06s$, SD0.80 / 65
57.39 N $\pm 1.10km$, 143.24 W $\pm 0.82km$, h3 $\pm 0.28km$
Gulf of Alaska (15)

CN2	55.2	298	eP	00 12 18.0	-1.3		
SNY	57.6	298	+P	00 12 36.0	-0.4		
BJI	62.5	302	eP	00 13 09.5	-0.4		
HHC	63.9	305	P	00 13 19.0	-0.5		
BTO	64.8	306	eP	00 13 24.0	-1.3		
SSE	67.2	292	P	00 13 41.0	0.1		
			PP	00 16 16.0	6.1		
NJ2	67.6	295	+P	00 13 43.6	0.2		
GTA	70.0	313	P	00 13 58.0	-0.5		
WMQ	70.5	323	P	00 14 02.2	0.6		
XAN	70.7	303	P	00 14 02.0	-0.4		
WHN	71.1	297	eP	00 14 05.0	0.5		
CD2	75.6	305	eP	00 14 31.4	-0.1		
GYA	78.1	301	P	00 14 46.0	0.6		
KMI	81.1	303	+P	00 15 02.0	0.5		
LSA	81.9	314	P	00 15 07.3	1.0		

APR 13d 00h 37m $22.5 \pm 0.14s$, SD1.98 / 44
17.38 S $\pm 4.57km$, 72.28 W $\pm 4.04km$, h31 $\pm 0.96km$

Near coast of Peru (115)

MDJ	147.2	331	ePKP	00 57 03.0	1.5		
WMQ	148.7	28	PKP	00 57 04.5	0.5		
BJI	156.3	344	ePKP	00 57 13.0	-1.7		
GTA	157.0	16	ePKP	00 57 16.0	0.0		
XAN	163.4	357	ePKP	00 57 23.2	0.3		
CD2	166.1	14	ePKP	00 57 26.2	0.7		
GYA	170.9	6	PKP	00 57 28.8	0.2		

APR 13d 00h 39m $30.8 \pm 0.10s$, SD2.04 / 69
17.29 S $\pm 4.86km$, 72.33 W $\pm 4.16km$, h14 $\pm 0.59km$
Near coast of Peru (115)
 $M_s=6.8/8$,

KSH	144.7	45	ePKP	00 59 10.0	1.6		
MDJ	147.1	331	ePKP	00 59 12.5	0.0		
WMQ	148.6	28	PKP	00 59 16.5	1.5		
CN2	149.6	334	PKP	00 59 16.6	0.2		
SNY	152.0	334	-PKP	00 59 20.8	0.7		
BJI	156.2	344	ePKP	00 59 26.0	0.3		
BTO	156.7	355	ePKP	00 59 28.0	1.4		
GTA	156.9	16	ePKP	00 59 27.0	0.0		
TIA	159.4	338	ePKP	00 59 29.2	-0.6		
LSA	160.5	48	PKP	00 59 32.2	0.7		
SSE	161.6	321	PKP	00 59 33.4	1.3		
NJ2	162.2	327	+PKP	00 59 34.0	1.3		
XAN	163.3	356	ePKP	00 59 33.4	-0.5		
WHN	165.5	336	ePKP	00 59 32.0	-3.9		
CD2	166.0	14	ePKP	00 59 36.4	-0.1		
GYA	170.8	6	PKP	00 59 40.0	0.4		
			pPKP	00 59 48.0	5.1		
			PP	01 04 48.4	-1.3		
			LN	$M_s=6.4$		20.0	3.20
			LE			20.0	4.40

KMI 171.0 30 PKP 00 59 41.0 1.2

APR 13d 06h 22m $31.5 \pm 0.33s$, SD2.82 / 40
17.43 S $\pm 3.90km$, 72.45 W $\pm 4.21km$, h23 $\pm 2.86km$
Near coast of Peru (115)

KSH	144.8	45	ePKP	06 42 06.5	-1.5		
MDJ	147.2	330	ePKP	06 42 11.5	-0.4		
WMQ	148.8	28	PKP	06 42 14.2	-0.4		
CN2	149.7	334	ePKP	06 42 21.0	5.1		
GTA	157.1	16	ePKP	06 42 25.6	-0.9		
XAN	163.4	356	ePKP	06 42 32.2	-1.1		
CD2	166.1	14	ePKP	06 42 36.2	0.3		
GYA	171.0	5	PKP	06 42 38.6	-0.4		
			pPKP	06 42 45.0	-0.1		
			PP	06 47 45.0	-4.9		

APR 13d 07h 57m $16.8 \pm 0.08s$, SD0.93 / 96
1.02 N $\pm 0.89km$, 127.19 E $\pm 1.70km$, h150 $\pm 0.15km$
Molucca Passage (266)
 $m_b=5.7/32$, $m_b=5.9/1$,

QZN	24.7	318	-iP	08 02 25.5	0.1		
			PMZ	$m_b=6.0$		6.0	2.50
			sP	08 03 16.0	2.4		
			eS	08 06 32.0	-1.8		
			sS	08 07 32.0	5.1		
QZH	25.2	341	-iP	08 02 30.5	0.3		
			pP	08 03 02.5	2.0		
			S	08 06 43.0	1.6		
			SME	$m_b=5.5$		6.0	1.48
GZH	25.7	329	-P	08 02 35.5	0.4		
			PMZ	$m_b=6.0$		5.0	1.65
			pP	08 03 08.0	2.3		
			S	08 06 52.5	2.2		
SSE	30.4	350	P	08 03 17.8	0.1		
			PMZ	$m_b=5.4$		6.0	0.51

		ePP	08 04 22.5	-0.2				SMN	$m_B = 5.8$	5.0	0.42
		S	08 08 06.0	0.3				SME		6.0	1.04
		SME	$m_B = 5.2$		5.0	0.67		SS	08 13 51.0	5.7	
		sS	08 09 04.0	2.0				ScS	08 14 34.0	3.0	
		SS	08 09 56.0	-2.3				LE			21.0 2.12
		ScS	08 13 34.0	-0.8			LZH	41.1 331	-iP	08 04 49.0	1.4
		LN			10.0	0.59		PP	08 06 24.0	-2.9	
		LZ			22.0	0.96		ScP	08 10 20.0	1.6	
WHN	31.8 339	-iP	08 03 31.0	1.6				eS	08 10 44.0	-5.1	
		pP	08 04 05.0	4.1				ScS	08 14 35.0	2.1	
		iS	08 08 30.0	2.5				LN			20.0 2.00
		SME	$m_B = 5.8$		6.0	3.03		LE			20.0 2.00
NJ2	31.8 347	-P	08 03 30.0	0.1			HHC	42.1 342	-P	08 04 56.5	0.5
		PMZ	$m_B = 5.6$		6.0	0.74		LN			12.0 0.55
		sP	08 04 15.0	-4.1			BTO	42.4 341	-P	08 04 58.0	-0.2
		S	08 08 32.0	4.3				pP	08 05 33.5	2.6	
GYA	32.1 324	P	08 03 32.0	-0.1				PP	08 06 39.5	-1.2	
		pP	08 04 08.0	4.5				S	08 11 07.5	0.7	
		PP	08 04 41.0	-2.3				SMN	$m_B = 5.6$		9.0 0.60
		S	08 08 34.0	2.7				SME			9.0 0.70
		SS	08 10 34.0	-2.0				SS	08 14 15.0	-0.4	
		ScS	08 13 44.4	1.4				LN			15.0 0.60
		LN			18.0	2.50		LE			15.0 0.80
		LE			18.0	2.00	CN2	42.6 358	+P	08 05 00.0	-0.1
KMI	33.6 317	-P	08 03 46.0	0.4			MDJ	43.5 2	-P	08 05 06.2	-0.7
		PMZ	$m_B = 6.0$		4.0	1.20		pP	08 05 42.0	2.1	
		pP	08 04 18.0	0.8				sP	08 06 00.0	2.9	
		S	08 08 55.0	-0.4				SME	$m_B = 5.5$		8.0 0.70
		sS	08 09 46.0	-6.2				ScS	08 14 51.0	3.5	
		LN			14.0	2.10		LE			12.0 0.60
		LZ			22.0	2.40	LSA	44.6 313	P	08 05 16.5	0.1
TIA	36.2 346	-P	08 04 07.1	-0.2				pP	08 05 46.5	-2.5	
		S	08 09 34.0	-1.3				PP	08 07 06.0	3.5	
		SMN	$m_B = 5.6$		7.0	0.71		ScP	08 10 33.0	0.5	
		SME			7.0	0.82		S	08 11 42.0	3.0	
XAN	37.0 334	-iP	08 04 14.0	-0.1			GTA	45.6 330	-iP	08 05 25.0	0.5
		PMZ	$m_B = 5.9$		4.0	1.02		PP	08 07 17.0	3.5	
		pP	08 04 45.0	-1.5				ScP	08 10 38.8	1.9	
		PP	08 05 44.0	1.2				eS	08 11 50.0	-5.4	
		S	08 09 47.8	0.4				LE			9.0 0.57
CD2	37.1 325	-iP	08 04 14.6	-0.1			WMQ	55.2 326	-P	08 06 36.3	-0.4
		PP	08 05 41.0	-2.7				ScP	08 11 18.0	0.4	
		S	08 09 47.0	-1.5				S	08 14 08.0	2.5	
		SMN			14.0	1.92		sS	08 15 04.0	-2.6	
DL2	38.0 353	P	08 04 23.0	0.5				ScS	08 16 07.0	0.8	
		pP	08 05 00.0	5.0				LN			22.0 2.81
		PP	08 05 57.0	2.4				P	08 07 12.0	-0.6	
		S	08 10 02.5	-0.3			KSH	60.3 316	sP	08 08 09.0	4.9
		SME	$m_B = 5.3$		8.0	0.65		iS	08 15 18.0	4.1	
		ScS	08 14 18.0	2.8				SME	$m_B = 6.0$		6.0 1.80
		LN			12.0	0.68	<p>APR 13d 10h 48m 07.6 ± 0.07s, SD0.91 / 85 9.01 S ± 1.16km, 157.42 E ± 1.97km, h25 ± 0.39km Solomon Islands (193) $M_S 5.1 / 8, m_B 6.0 / 15, m_b 6.0 / 1,$</p>				
		LE			12.0	0.56					
TIY	39.0 341	-iP	08 04 30.6	0.4							
		PMZ	$m_B = 5.6$		5.0	0.75					
		S	08 10 13.5	-3.0							
		SMN	$m_B = 5.6$		8.0	0.62					
		SME			8.0	0.77					
		PcS	08 10 31.0	5.3							
		SS	08 13 05.0	-1.8							
		LN			12.0	0.85					
		LZ			26.0	1.97					
BJI	40.1 347	eP	08 04 39.5	0.0			QZH	50.7 313	+P	10 57 08.0	0.2
		pP	08 05 12.0	-0.3			SSE	52.9 321	-P	10 57 24.0	-0.1
		PcP	08 06 43.0	1.8				PMZ	$m_B = 6.1$		4.0 1.13
		ScP	08 10 16.5	1.9				PcP	10 58 32.0	-0.4	
		eS	08 10 32.0	-2.6				eS	11 04 47.0	-3.3	
SNY	40.7 356	-iP	08 04 44.0	-0.8				LZ	$M_S = 4.6$		20.0 0.56
		iS	08 10 42.0	-2.1			GZH	53.6 307	+iP	10 57 31.0	1.2
							QZN	54.6 301	+P	10 57 37.0	0.5
								sP	10 57 45.5	-2.5	
								eS	11 05 13.0	0.0	
							NJ2	55.0 320	+iP	10 57 40.0	0.3
								PMZ	$m_B = 6.1$		4.0 1.09

WHN	57.1 315	S	11 05 20.0	2.2	4.0	0.94	APR 13d 19h 10m 06.2 ± 0.10s, SD1.15 / 67									
		+P	10 57 55.0	0.5			9.64 S ± 1.97km, 112.67 E ± 1.59km, h64 ± 0.58km									
		PMZ	m _B = 6.1				South of Java (282)									
		eS	11 05 50.0	3.7			KMI	35.9 345	eP	19 17 04.5	1.9					
DL2	58.1 328	sS	11 06 00.0	0.3	20.0	0.76	GYA	36.4 351	-P	19 17 07.6	1.2					
		LZ	M _S = 4.8				WHN	40.0 2	eP	19 17 37.5	0.9					
		P	10 58 02.0	-0.2			CD2	41.2 348	eP	19 17 47.2	0.4					
		pP	10 58 09.0	-1.3			SSE	41.3 11	+iP	19 17 48.5	0.9					
TIA	58.8 322	eS	11 06 02.0	1.4	21.0	0.52	NJ2	41.9 8	+P	19 17 53.2	1.1					
		LZ	M _S = 4.6				XAN	43.6 355	eP	19 18 05.8	-0.4					
		+P	10 58 05.7	-1.2			LSA	44.3 333	P	19 18 12.6	0.5					
		S	11 06 11.0	2.7			TIA	45.8 5	+P	19 18 21.8	-2.0					
MDJ	59.0 337	eP	10 58 07.5	-0.7	20.0	1.20	LZH	46.2 350	eP	19 18 28.0	0.5					
		S	11 06 10.0	-0.7			TIY	47.1 360	+P	19 18 33.8	-0.4					
		LZ	M _S = 5.0				DL2	49.0 9	eP	19 18 48.0	-0.9					
		+iP	10 58 09.0	-1.6			BJI	49.5 4	eP	19 18 52.5	-0.5					
SNY	59.3 331	PMZ	m _B = 6.0		39.0	1.30	BTO	50.0 357	P	19 18 56.4	-0.6					
		esP	10 58 20.4	-1.7			GTA	50.2 347	+iP	19 18 59.0	0.4					
		S	11 06 14.0	-1.2			HHC	50.2 359	-iP	19 18 58.4	-0.2					
		LN	M _S = 5.1				SNY	52.2 10	+P	19 19 11.2	-1.9					
CN2	60.0 334	LE	10 58 14.0	-1.4	39.0	0.92	CN2	54.4 11	-P	19 19 28.0	-1.8					
		+iP	10 58 14.0	-1.4			MDJ	56.1 14	eP	19 19 40.3	-1.7					
		PMZ	m _B = 5.8				WMQ	57.8 339	-P	19 19 54.0	-0.2					
		pP	10 58 20.0	-3.4			KSH	59.6 328	P	19 20 06.0	-0.6					
GYA	60.6 307	eS	11 06 22.0	-3.3	4.5	0.60	APR 13d 20h 51m 44.2 ± 0.14s, SD0.74 / 58									
		+P	10 58 20.0	0.8			53.09 N ± 1.27km, 171.29 W ± 0.81km, h134 ± 0.87km									
		pP	10 58 27.0	-0.1			Fox Islands (9)									
		S	11 06 37.0	6.0			CN2	41.7 284	eP	20 59 21.2	-0.5					
BJI	61.9 325	+P	10 58 27.5	-0.7	8.0	0.57	SNY	44.0 282	+P	20 59 41.2	1.0					
		PMZ	m _B = 5.6				BJI	49.5 285	eP	21 00 23.0	0.0					
		epP	10 58 34.0	-2.3			TIA	51.4 281	-P	21 00 37.8	-0.4					
		eS	11 06 50.0	0.6			SSE	52.6 273	P	21 00 47.3	0.7					
TIY	62.7 321	LZ	M _S = 4.5		28.0	0.49	BTO	52.6 290	P	21 00 47.8	0.7					
		+iP	10 58 32.5	-0.6			TIY	53.2 286	-iP	21 00 51.8	0.6					
		pP	10 58 39.0	-2.2			NJ2	53.3 276	+P	21 00 51.4	-0.6					
		LN	M _S = 5.4				WHN	57.1 278	eP	21 01 18.5	-0.6					
XAN	62.8 316	LE	10 58 33.4	-0.8	18.0	0.73	XAN	57.8 285	-iP	21 01 23.6	-0.6					
		+iP	10 58 33.4	-0.8			GTA	59.1 295	P	21 01 33.0	-0.6					
		+P	10 58 37.0	0.6			WMQ	62.2 307	P	21 01 54.0	-0.2					
		PMZ	m _B = 6.0				CD2	63.0 286	+iP	21 02 00.2	0.2					
KMI	63.1 304	pP	10 58 45.0	0.7	5.0	0.90	GYA	64.6 281	P	21 02 10.6	0.1					
		S	11 07 10.0	6.8			KMI	68.0 283	+P	21 02 31.5	-0.1					
		LZ	M _S = 4.6				APR 13d 23h 01m 48.0 ± 0.06s, SD0.92 / 49									
		+iP	10 58 48.2	0.1			19.94 S ± 1.23km, 177.61 W ± 1.44km, h374 ± 0.35km									
CD2	64.9 310	pP	10 58 56.0	-0.2	25.0	0.50	Fiji region (181)									
		eS	11 07 30.0	2.9			GZH	79.8 299	+iP	23 13 18.7	1.2					
		+iP	10 58 49.0	-0.4			NJ2	79.8 309	-P	23 13 17.5	-0.2					
		+P	10 58 54.0	-0.3			CN2	82.1 322	eP	23 13 28.0	-1.6					
BTO	65.9 322	pP	10 59 00.0	-2.4	15.0	0.70	eS	23 23 11.0	-1.4	WHN	82.4 306	eP	23 13 29.0	-2.2		
		PP	11 01 18.5	-2.3			BJI	85.8 315	eP						23 13 46.0	-1.7
		eS	11 07 39.5	0.5			GYA	86.7 300	+P						23 13 53.0	0.6
		LN	M _S = 5.3				XAN	88.1 307	+iP						23 13 59.7	0.7
LZH	67.4 315	LE	10 59 04.5	0.5	15.0	0.50	KMI	89.4 297	eP	23 14 06.5	1.1					
		+iP	10 59 04.5	0.5			GTA	96.9 309	P	23 14 39.6	-0.1					
		PMZ	m _B = 6.0				APR 14d 02h 20m 01.3 ± 0.10s, SD1.12 / 94									
		+iP	10 59 31.8	0.7			1.76 N ± 0.94km, 126.72 E ± 1.42km, h79 ± 0.79km									
GTA	71.8 316	eS	11 08 47.0	-2.6	4.0	0.73	Molucca Passage (266)									
		LZ	M _S = 4.8				M _S 5.1 / 32, m _B 5.8 / 22, m _B 5.9 / 2,									
		P	10 59 46.5	0.1			QZN	23.8 317	P	02 25 08.6	0.5					
		eS	11 09 19.5	0.6			pP			02 25 26.0	0.2					
LSA	74.4 304	P	11 00 28.0	0.5	28.0	0.74	eS	02 29 15.0	-0.4	WHN	82.4 306	eP	23 13 29.0	-2.2		
		eSKS	11 10 42.0	1.6			LN	M _S = 5.0							18.0	2.90
		LZ	M _S = 4.7				QZH	24.3 342	+P						02 25 12.7	-0.4
		P	11 01 04.0	0.5			APR 14d 02h 20m 01.3 ± 0.10s, SD1.12 / 94									
WMQ	81.9 317	sP	11 01 12.0	-2.9	24.0	0.43	1.76 N ± 0.94km, 126.72 E ± 1.42km, h79 ± 0.79km									
		eS	11 11 49.0	-0.6			Molucca Passage (266)									
		sS	11 11 59.0	-3.9			M _S 5.1 / 32, m _B 5.8 / 22, m _B 5.9 / 2,									
		P	11 01 04.0	0.5			QZN	23.8 317	P	02 25 08.6	0.5					



		PMZ	$m_B = 5.7$	4.0	1.30			PMZ	$m_B = 5.8$	5.0	0.78
		pP	02 25 31.0	0.2				épP	02 27 44.0	0.9	
		S	02 29 26.0	2.6				S	02 33 18.0	-0.4	
		SMN	$m_B = 5.7$	10.0	1.84	SNY	40.0 356	-iP	02 27 30.0	-0.1	
GZH	24.9 330	+P	02 25 18.0	-0.1				PMZ	$m_B = 6.0$	5.0	1.18
		S	02 29 28.0	-4.0				esP	02 27 59.0	0.4	
		SMN	$m_B = 6.3$	6.0	3.90			PP	02 29 07.0	0.4	
		SME		5.0	1.07			S	02 33 25.0	-3.9	
		LN	$M_S = 5.2$	15.0	2.20			SMN	$m_B = 5.9$	5.0	0.76
		LE		16.0	2.60			SME		9.0	1.36
SSE	29.6 350	eP	02 26 02.0	0.2		LZH	40.2 331	eP	02 27 32.0	0.0	
		PMZ	$m_B = 6.2$	2.0	0.86			PMZ	$m_B = 5.6$	2.0	0.17
		sP	02 26 30.0	0.3				eS	02 33 31.0	-2.3	
		S	02 30 53.0	3.4				LE	$M_S = 5.1$	10.0	0.93
		SME		14.0	1.90	HHC	41.3 342	+P	02 27 42.0	1.3	
		sS	02 31 18.0	-4.0				sP	02 28 07.5	-1.5	
		SS	02 32 34.0	4.9				PP	02 29 19.0	-0.4	
		PcS	02 32 46.0	0.1				sS	02 34 18.0	-3.2	
		LE	$M_S = 4.7$	9.0	0.52			SS	02 36 52.0	1.8	
		LZ	$M_S = 4.6$	22.0	1.44			LN	$M_S = 4.9$	13.0	0.63
WHN	30.9 339	+P	02 26 14.0	0.8		BTO	41.5 341	P	02 27 44.0	1.2	
		pP	02 26 27.5	-3.9				pP	02 28 02.0	0.5	
		eS	02 31 11.0	0.2				PP	02 29 24.0	1.6	
		SMN	$m_B = 5.5$	6.0	0.80			S	02 33 54.5	2.9	
		LN	$M_S = 4.9$	9.0	0.80			SMN	$m_B = 5.5$	10.0	0.50
		LZ	$M_S = 4.9$	26.0	3.69			SME		10.0	0.60
NJ2	31.0 347	+P	02 26 14.6	0.6				LN	$M_S = 5.2$	15.0	0.70
		sP	02 26 42.0	-0.1				LE		15.0	1.30
		iS	02 31 19.0	6.8				-P	02 27 45.5	-0.2	
		LN	$M_S = 5.2$	16.0	1.33	CN2	41.9 359	PMZ	$m_B = 5.7$	5.0	0.60
		LE		14.5	2.24			pP	02 28 04.0	-0.5	
GYA	31.2 324	P	02 26 15.4	-0.4				eS	02 33 55.0	-2.9	
		pP	02 26 32.8	-1.1				LE	$M_S = 5.0$	13.0	0.90
		PcP	02 29 10.4	2.2		MDJ	42.7 3	-P	02 27 54.0	1.1	
		S	02 31 11.0	-3.3				PMZ	$m_B = 6.0$	4.0	1.00
		ScS	02 36 43.0	4.4				pP	02 28 10.0	-1.7	
		LN	$M_S = 5.2$	20.0	2.50			PP	02 29 34.0	-1.0	
		LE		20.0	1.60			S	02 34 05.0	-4.7	
KMI	32.8 317	+P	02 26 30.0	0.4				SS	02 37 12.0	-5.8	
		pP	02 26 44.0	-3.6		LSA	43.7 313	LZ	$M_S = 5.2$	34.0	5.40
		PP	02 27 36.0	-4.7				P	02 28 01.0	-0.4	
		iS	02 31 40.0	-0.1				sP	02 28 30.0	0.6	
		LN	$M_S = 4.8$	14.0	0.90			S	02 34 24.5	0.4	
TIA	35.4 347	-P	02 26 51.3	-0.6				SMN	$m_B = 5.7$	5.0	0.67
		sP	02 27 15.0	-5.2				ScS	02 37 52.0	2.9	
		eS	02 32 17.6	-2.8		GTA	44.8 330	-P	02 28 08.8	-0.6	
		SMN	$m_B = 5.8$	9.0	0.84			sP	02 28 35.0	-2.7	
		SME		9.0	1.61			ScP	02 33 37.6	4.0	
		LN	$M_S = 4.7$	12.0	0.52			eS	02 34 38.5	-1.9	
		LZ	$M_S = 4.3$	12.0	0.31			ScS	02 37 59.4	3.8	
XAN	36.2 335	-P	02 26 56.9	-1.5				LN	$M_S = 5.3$	16.0	1.40
		eS	02 32 31.0	-1.1				LE		24.0	2.00
		LE	$M_S = 4.9$	14.0	0.82	WMQ	54.3 326	eP	02 29 22.5	0.1	
CD2	36.2 325	eP	02 26 58.1	-0.8				ScP	02 34 17.0	3.0	
		PP	02 28 20.5	-1.8				S	02 36 54.0	2.4	
		S	02 32 31.0	-1.1				LN	$M_S = 5.6$	26.0	4.39
		SMN	$m_B = 5.7$	6.0	1.10	KSH	59.5 316	P	02 30 00.0	1.0	
DL2	37.3 353	-P	02 27 07.0	-0.5				sP	02 30 27.0	-0.8	
		S	02 32 45.0	-2.7				S	02 38 03.0	3.6	
		LN	$M_S = 5.4$	12.0	1.69			SME	$m_B = 5.9$	6.0	1.20
		LE		13.0	1.55			ScS	02 39 39.0	2.1	
TIY	38.1 342	P	02 27 14.0	-0.7				APR 14d 13h 30m 46.0 ± 0.23s, SD1.65 / 18			
		sP	02 27 40.0	-3.0				18.91 S ± 3.80km, 174.82 W ± 4.36km, h241 ± km			
		S	02 32 57.0	-3.7				Tonga (173)			
		LN	$M_S = 5.2$	15.0	1.66	CN2	82.9 321	eP	13 42 46.0	0.0	
		LE		13.0	0.47	TIY	88.5 311	+P	13 43 14.6	1.4	
		LZ	$M_S = 5.1$	34.0	4.82	GYA	88.5 298	P	13 43 15.0	1.7	
BJI	39.3 347	-P	02 27 24.5	0.2							



APR 14d 17h 53m 13.6 ± 0.14s, SD2.30 / 54
 26.30 N ± 1.29km, 102.78 E ± 1.00km, h19 ± 0.39km
 Yunnan Province (318)
 M_S4.2 / 9, M_L4.0 / 12,

KMI	1.2	182	Pg	17 53 35.0	0.2		
			Sg	17 53 50.0	-0.8		
			SMN	M _L = 3.9	1.5	1.80	
			SME		2.0	2.60	
GYA	3.5	87	Pn	17 54 10.4	2.8		
			Pg	17 54 21.0	5.8		
			Sg	17 55 03.6	0.6		
			SMN	M _L = 3.7	1.2	0.20	
			LN	M _S = 4.1	8.0	2.00	
			LE		8.0	3.80	
CD2	4.7	10	iPn	17 54 27.2	3.4		
			Sg	17 55 40.5	0.4		
			SMN	M _L = 4.4	1.0	0.49	
			SME		1.0	0.53	
			LN	M _S = 4.4	5.0	2.80	
			LZ	M _S = 4.5	6.0	3.20	
XAN	9.4	33	P	17 55 28.4	-2.6		
			S	17 57 19.8	3.2		
			LN	M _S = 4.2	10.0	0.86	
			LE		10.0	0.85	
QZN	9.7	137	eP	17 55 35.0	-1.1		
			eS	17 57 28.0	1.9		
			LE	M _S = 4.0	10.0	0.65	
WHN	11.0	65	P	17 55 54.5	0.7		
			S	17 57 55.0	-2.3		
GTA	13.3	350	eP	17 56 25.4	0.7		
			LN	M _S = 4.1	9.0	0.44	
TIY	14.0	33	eP	17 56 31.7	-2.1		
			LN	M _S = 4.1	10.0	0.47	
			LE		12.0	0.34	
			LZ	M _S = 4.1	9.0	0.53	
BTO	15.5	21	eP	17 56 51.0	-2.0		
			LN	M _S = 4.3	9.0	0.20	
			LE		9.0	0.60	
			LZ	M _S = 3.9	9.0	0.30	
TIA	15.7	48	eP	17 56 56.9	0.6		
BJI	17.7	36	eP	17 57 21.0	0.2		
WMQ	21.3	329	eP	17 58 01.6	-0.7		
CN2	25.3	41	eP	17 58 42.5	1.0		

APR 14d 19h 36m 01.7 ± 0.08s, SD3.55 / 6
 21.58 N ± 0.69km, 111.73 E ± 0.56km, h11 ± 0.25km
 Eastern China (664)
 M_L3.6 / 6,

GZH	2.1	45	Pg	19 36 37.4	-1.7		
			Sn	19 37 02.0	-3.6		
			SMN	M _L = 3.5	0.5	0.38	
			SME		0.5	0.34	
QZN	3.1	215	ePn	19 36 51.8	0.8		
			iPg	19 37 02.0	5.6		
			Sn	19 37 28.8	-1.2		
			Sg	19 37 43.8	5.0		
			SMN	M _L = 3.0	0.6	0.050	
			SME		0.7	0.070	

APR 15d 00h 46m 28.8 ± 0.11s, SD2.84 / 25
 32.28 N ± 1.08km, 110.32 E ± 1.22km, h11 ± 0.24km
 Sichuan Province (307)
 M_L3.7 / 20,

XAN	2.1	327	Pn	00 47 03.3	-1.2		
			Pg	00 47 05.4	-0.7		
			Sg	00 47 31.4	-3.6		
			SMN	M _L = 3.7	0.8	0.61	

WHN	3.9	116	SME			0.8	0.49
			Pn	00 47 32.0	3.6		
			Pg	00 47 40.5	3.6		
			Sg	00 48 31.5	1.9		
			SMN	M _L = 3.9	1.0	0.32	
			SME		0.7	0.23	
TIY	5.7	17	ePg	00 48 12.4	2.9		
			Sg	00 49 30.6	3.4		
			SMN		2.0	0.24	
			SME		1.5	0.23	
CD2	5.8	258	ePn	00 47 59.2	4.6		
			Sg	00 49 28.5	-0.7		
			SMN	M _L = 4.3	1.4	0.18	
			SME		1.6	0.27	
LZH	6.6	307	Pg	00 48 29.0	3.9		
			Sg	00 49 51.0	-3.7		
			SMN	M _L = 4.3	1.0	0.22	
			SME		0.5	0.11	
GYA	6.6	210	Pn	00 48 07.6	1.1		
			Sn	00 49 21.0	-3.0		
			Sg	00 49 55.0	-1.0		
			SMN	M _L = 4.1	1.4	0.090	
			SME		1.4	0.10	
TIA	6.9	53	ePg	00 48 31.1	0.9		
			eSg	00 50 00.0	-3.9		
			SMN	M _L = 3.4	0.6	0.019	
			SME		0.6	0.021	
			SMZ	M _L = 3.5	0.6	0.014	

APR 15d 02h 23m 21.5 ± 0.10s, SD2.19 / 10
 35.25 N ± 0.81km, 105.15 E ± 0.87km, h14 ± 0.26km
 Gansu Province (322)
 M_L3.4 / 9,

LZH	1.4	309	Pg	02 23 44.5	-1.2		
			Pg	02 23 47.5	2.1		
			Sg	02 24 07.5	3.5		
			SMN	M _L = 3.4	1.5	0.64	
			SME		0.5	0.42	
XAN	3.3	110	Pn	02 24 13.3	-0.5		
			Pg	02 24 21.0	0.6		
			Sg	02 25 04.2	-1.9		
			SMN	M _L = 3.5	0.6	0.17	
			SME		0.6	0.10	
GTA	5.9	316	Pn	02 24 48.6	-1.1		
			Pg	02 25 10.0	3.6		
			Sg	02 26 26.4	-1.2		
			SMN	M _L = 3.2	0.8	0.020	
			SME		0.6	0.018	
TIY	6.4	65	ePg	02 25 15.4	1.3		
			Sg	02 26 36.7	-4.2		
			SMN	M _L = 3.4	0.8	0.020	
			SME		0.6	0.030	

APR 15d 06h 43m 58.4 ± 0.09s, SD2.41 / 15
 40.08 N ± 1.79km, 127.07 E ± 1.01km, h21 ± 1.95km
 North Korea (659)
 M_S3.6 / 1, M_L4.1 / 14,

SNY	3.2	305	iPg	06 44 53.2	-1.2		
			Sg	06 45 34.0	-3.7		
			SMN	M _L = 4.1	0.8	0.80	
			SME		0.7	0.70	
CN2	3.9	343	iPn	06 44 57.8	0.1		
			iPg	06 45 09.0	1.6		
			eSn	06 45 44.9	0.0		
			Sg	06 45 56.4	-4.5		
			SMN	M _L = 4.1	0.6	0.44	
			SME		0.6	0.45	
DL2	4.4	256	ePn	06 45 07.5	3.5		

CN2	3.7	88	Sg	17 57 25.4	-0.1			SSE	27.2	307	+iP	01 58 54.2	-0.7						
			SMN		$M_L = 3.5$	0.8	0.17					pP	01 59 25.0	2.7					
			SME			0.8	0.16					sP	01 59 34.0	-3.8					
			ePn	17 56 45.8	-0.2							eS	02 03 20.0	-2.6					
			Pg	17 56 59.6	5.1							SS	02 04 54.0	5.5					
			eSn	17 57 30.0	-1.3							LZ			16.0	0.35			
			Sg	17 57 45.6	0.3					QZH	27.2	293	+P	01 58 53.0	-2.2				
SMN		$M_L = 3.4$	0.6	0.10			NJ2	29.4	307	-P	01 59 13.4	-1.3							
SME			0.6	0.070						LZ			18.0	0.30					
<p>APR 15d 19h 36m $02.4 \pm 0.09s$, SD1.34 / 58 25.63 N $\pm 1.75km$, 142.85 E $\pm 1.84km$, h46 $\pm 0.39km$ Volcano Islands region (213) $M_S 4.5 / 7$,</p>																			
SSE	19.8	291	eP	19 40 32.0	-0.1			DL2	31.2	321	eP	01 59 31.0	0.3						
			epP	19 40 42.0	-0.3			MDJ	31.6	337	eP	01 59 33.1	-1.0						
			S	19 44 08.0	1.2			GZH	31.6	288	-P	01 59 35.0	0.6						
			sS	19 44 20.0	-2.6			SNY	32.1	327	eP	01 59 38.4	0.0						
			LE		$M_S = 4.4$	9.0	0.47		WHN	32.4	302	eP	01 59 40.5	-0.5					
MDJ	21.8	334	LZ		$M_S = 3.8$	16.0	0.35	TIA	32.6	313	eP	01 59 42.4	-0.6						
			eP	19 40 52.0	-0.2			CN2	32.7	332	eP	01 59 42.0	-1.3						
			S	19 44 50.0	5.7			QZN	34.7	280	P	02 00 01.7	0.7						
			sS	19 45 00.0	-3.1						S	02 05 20.0	0.0						
			LZ		$M_S = 4.7$	17.0	2.10	BJI	35.3	318	eP	02 00 05.0	-0.6						
SNY	22.7	320	eP	19 41 01.2	0.0					epP	02 00 36.0	1.9							
			S	19 45 06.4	5.7						ePP	02 01 24.0	-3.3						
			LZ		$M_S = 4.1$	18.0	0.59				eS	02 05 24.0	-5.3						
CN2	23.0	326	eP	19 41 04.0	-0.5					esS	02 06 14.0	-4.7							
			S	19 45 10.0	3.4						ePcS	02 06 20.0	1.1						
			LE		$M_S = 4.5$	13.0	0.70	TIY	36.6	312	-P	02 00 17.5	0.3						
TIA	24.4	302	LZ		$M_S = 4.3$	16.0	0.90			eS	02 05 50.0	-0.3							
			eP	19 41 17.4	-0.5						sS	02 06 43.0	3.1						
			LE		$M_S = 4.4$	10.0	0.44				LN			16.0	0.65				
WHN	25.6	288	eP	19 41 31.0	1.8			XAN	37.9	305	-iP	02 00 27.8	0.3						
			BJI	26.5	309	P	19 41 38.0	0.3				GYA	38.1	292	-P	02 00 30.8	1.5		
TIY	28.4	302	eS	19 46 06.0	-0.3					pP	02 01 02.2	4.3							
			eP	19 41 54.5	-0.8						PcP	02 02 39.4	-2.3						
			eS	19 46 39.5	1.8						HHC	38.7	316	-P	02 00 35.0	0.5			
GYA	32.5	280	LN		$M_S = 4.5$	14.0	0.56			BTO	39.6	315	-P	02 00 43.0	1.0				
			P	19 42 30.6	-0.5						pP	02 01 14.0	3.3						
			CD2	34.7	288	eP	19 42 49.8	-0.6				ePP	02 02 20.0	1.5					
GTA	38.4	302	P	19 43 20.4	-1.6					S	02 06 36.0	1.8							
			WMQ	47.9	307	P	19 44 38.5	-0.2				CD2	41.3	299	-iP	02 00 56.1	0.2		
			PcP	19 46 08.0	2.0					KMI	41.5	290	-P	02 00 58.5	1.1				
<p>APR 16d 00h 46m $43.7 \pm 0.07s$, SD0.81 / 59 6.35 S $\pm 0.68km$, 147.04 E $\pm 1.43km$, h97 $\pm 0.19km$ Eastern New Guinea region (207) $m_b 4.8 / 1$,</p>																			
SSE	44.7	328	P	00 54 49.5	0.5			LZH	42.4	306	-iP	02 01 07.0	1.6						
			NJ2	46.7	327	+P	00 55 06.2	1.3				PMZ		$m_b = 5.9$	2.0	0.44			
			WHN	48.2	321	eP	00 55 18.5	1.6				GTA	46.5	309	-iP	02 01 37.8	0.4		
			TIA	50.8	329	eP	00 55 36.2	-0.4				LSA	52.0	295	-P	02 02 20.2	0.0		
			GYA	50.9	312	P	00 55 38.4	0.6				WMQ	56.3	312	-iP	02 02 51.5	0.3		
			SNY	52.5	338	-P	00 55 49.4	-0.1						S	02 10 32.5	4.2			
			XAN	54.0	321	+P	00 55 59.6	-0.7						sS	02 11 24.0	1.7			
			BJI	54.2	331	eP	00 56 01.5	-0.6						P	02 03 48.0	-0.6			
			CD2	55.5	314	-iP	00 56 11.6	-0.2						ePP	02 06 13.0	-0.5			
			LZH	58.5	319	eP	00 56 32.5	-0.2						eS	02 12 22.0	4.5			
GTA	63.0	320	PMZ		$m_b = 4.8$	2.0	0.024	<p>APR 16d 03h 32m $41.5 \pm 0.13s$, SD2.61 / 41 43.74 N $\pm 1.54km$, 120.30 E $\pm 1.45km$, h14 $\pm 0.25km$ North-Eastern China (658) $M_S 4.1 / 6$, $M_L 4.6 / 14$,</p>											
			-iP	00 57 03.4	-0.1														
			-P	00 57 12.8	-0.5														
			P	00 58 06.0	0.2														
CN2	3.7	87	Pn	03 33 32.0	1.9														
			iPg	03 33 42.0	6.1														
			Sg	03 34 20.0	2.0														
			LN		$M_S = 4.4$	8.0	8.37												
			LE			8.0	6.13												
			Pn	03 33 40.0	0.9														
CN2	3.7	87	ePg	03 33 54.0	6.6														
			eSn	03 34 22.0	-2.8														
			eSg	03 34 39.0	0.5														
<p>APR 16d 01h 53m $21.3 \pm 0.08s$, SD1.12 / 93 16.22 N $\pm 1.42km$, 146.19 E $\pm 1.97km$, h130 $\pm 0.25km$ Marianas (216) $m_b 5.9 / 1$,</p>																			

GTA	157.1	16	ePKP	03 10 32.4	0.1		
TIY	159.4	349	ePKP	03 10 34.5	-0.6		
			PKP2	03 11 12.0	-1.9		
			PP	03 14 53.0	-3.0		
			LN	$M_s = 5.8$	18.0	0.73	
			LE		17.0	0.61	
			LZ	$M_s = 5.9$	21.0	1.91	
TIA	159.6	338	PKP	03 10 35.6	0.4		
LZH	161.2	10	ePKP	03 10 38.0	1.0		
XAN	163.5	357	ePKP	03 10 39.6	0.4		
WHN	165.7	336	ePKP	03 10 42.0	0.8		
CD2	166.2	15	ePKP	03 10 42.2	0.5		
GYA	171.0	6	PKP	03 10 45.4	0.6		
			pPKP	03 10 53.0	1.3		
			PKP2	03 12 03.0	-1.4		
			PP	03 15 52.6	-3.3		
KMI	171.1	31	+PKP	03 10 45.5	0.6		

XAN	141.0	108	ePKP	05 30 59.4	-2.6		
			PKS	05 34 36.0	1.0		
			SKS	05 38 10.0	4.6		
			LN	$M_s = 6.3$	20.0	2.74	
			LE		20.0	2.74	
NJ2	144.1	122	+PKP	05 31 04.5	-2.6		
			LE	$M_s = 6.4$	18.0	3.63	
			LZ	$M_s = 6.1$	18.0	2.68	
SSE	144.3	125	PKP	05 31 06.2	-1.3		
			PP	05 34 25.0	-0.7		
			SKKS	05 41 12.0	1.4		
			eSS	05 53 00.0	-6.5		
			LN	$M_s = 6.4$	18.0	2.99	
			LE		18.0	3.01	
			LZ	$M_s = 6.4$	18.0	5.40	
TIY	145.7	108	PKP	05 31 09.0	-1.0		
			PP	05 34 36.0	2.2		
			LN	$M_s = 6.4$	17.0	3.10	
			LE		17.0	1.98	
			LZ	$M_s = 6.5$	20.0	6.60	
BTO	146.7	103	PKP	05 31 13.0	1.3		
			sPKP	05 31 28.5	4.3		
			LN	$M_s = 6.2$	17.0	1.60	
			LE		17.0	1.60	
			LZ	$M_s = 6.1$	17.0	2.20	
TIA	146.8	115	ePKP	05 31 12.8	1.0		
			PPMZ	$m_b = 5.9$	12.0	0.92	
			LN	$M_s = 6.2$	18.0	2.00	
			LE		18.0	1.20	
			LZ	$M_s = 6.0$	18.0	2.30	
HHC	147.6	104	PKP	05 31 17.2	3.9		
			SKS	05 38 17.0	1.8		
			LN	$M_s = 6.4$	19.0	4.02	
			LE		19.0	1.67	
BJI	149.3	110	ePKP	05 31 16.0	0.1		
			sPKP	05 31 31.0	2.4		
			LE	$M_s = 6.2$	19.0	2.70	
DL2	151.1	118	PKP	05 31 21.0	2.5		
			LN	$M_s = 6.2$	17.0	1.53	
			LE		17.0	1.52	
			LZ	$M_s = 6.1$	19.0	2.59	
SNY	154.3	117	iPKP	05 31 21.0	-2.1		
			sPKP	05 31 36.0	0.2		
			PPMZ		17.0	1.53	
			SKKS	05 42 08.0	1.7		
			SS	05 54 52.0	-4.9		
			LN	$M_s = 6.5$	20.0	2.14	
			LE		20.0	4.91	
			LZ	$M_s = 6.5$	20.0	6.40	
CN2	156.7	116	PKP	05 31 25.0	-1.3		
			pPKP	05 31 36.0	0.5		
			PKP2	05 31 56.0	-0.8		
			PP	05 35 35.0	-1.0		
			PPMZ	$m_b = 5.9$	8.0	0.80	
			SKKS	05 42 20.0	0.1		
			SS	05 55 20.0	-2.5		
			LN	$M_s = 6.2$	18.0	2.80	
			LZ	$M_s = 6.4$	20.0	5.10	
MDJ	159.2	121	ePKP	05 31 30.0	0.5		
			PKP2	05 32 05.5	-2.2		
			PP	05 35 48.0	-1.8		
			SKS	05 38 30.0	1.5		
			SS	05 55 52.0	1.9		
			LZ	$M_s = 6.5$	22.0	7.70	

APR 17d 05h 11m $33.5 \pm 0.23s$, SD2.56 / 73
 58.48 S $\pm 5.45km$, 25.18 W $\pm 6.86km$, h31 $\pm 0.91km$
 South Sandwich Islands region (153)
 $M_s 6.3 / 38$, $m_b 6.0 / 5$

KSH	128.1	75	PKP	05 30 38.0	0.0		
			sPKP	05 30 53.0	2.3		
			ePP	05 32 46.0	1.4		
			SKS	05 37 46.0	2.7		
			SKKS	05 39 32.0	-0.6		
			LN	$M_s = 6.4$	18.0	5.00	
QZN	128.9	121	ePKP	05 30 44.0	4.8		
			ePP	05 32 55.0	5.3		
			PKS	05 34 19.0	5.9		
			SKKS	05 39 41.0	4.2		
			SS	05 50 08.0	5.1		
			LN	$M_s = 6.5$	20.0	5.50	
			LE		20.0	3.80	
KMI	130.7	109	+PKP	05 30 44.0	1.0		
			PP	05 33 07.0	5.5		
GYA	133.7	112	PKP	05 30 50.6	1.9		
			sPKP	05 31 00.0	-1.3		
			PP	05 33 26.0	5.2		
			SKKS	05 40 10.0	2.0		
			SS	05 51 06.0	3.8		
			LN	$M_s = 6.4$	20.0	4.10	
			LE		20.0	2.70	
GZH	134.0	122	ePKP	05 30 53.0	4.0		
			SS	05 51 10.0	5.0		
			LN	$M_s = 6.4$	17.0	2.80	
			LE		16.0	3.00	
CD2	135.9	106	ePKP	05 30 52.0	-0.6		
			ePP	05 33 34.0	-0.3		
			LE	$M_s = 6.3$	20.0	4.14	
QZH	137.9	127	ePKP	05 30 55.0	-1.1		
			PP	05 33 42.0	-4.7		
			LN	$M_s = 6.1$	18.0	1.87	
LZH	140.1	101	ePKP	05 30 59.0	-1.3		
			LN	$M_s = 6.5$	19.0	4.95	
GTA	140.5	94	PKP	05 30 56.6	-4.4		
			sPKP	05 31 13.5	-0.1		
			SKKS	05 40 48.0	-0.6		
			LN	$M_s = 6.4$	24.0	3.91	
			LE		20.0	3.53	
			LZ	$M_s = 6.2$	22.0	4.54	
WHN	140.8	118	ePKP	05 31 03.0	1.6		
			PP	05 34 10.0	5.5		
			PPMZ	$m_b = 6.1$	8.0	0.93	
			SS	05 52 32.0	6.6		
			LE	$M_s = 6.3$	20.0	3.50	
			LZ	$M_s = 6.3$	24.0	5.60	

APR 17d 06h 32m $29.1 \pm 0.14s$, SD2.58 / 20
 58.46 S $\pm 4.02km$, 25.24 W $\pm 3.36km$, h30 $\pm 0.61km$
 South Sandwich Islands region (153)

TIY	145.7	108	ePKP	06 52 04.2	-1.6				
BTO	146.7	103	ePKP	06 52 07.0	-0.5				
TIA	146.8	116	PKP	06 52 07.3	-0.3				
HHC	147.7	104	ePKP	06 52 11.0	1.9				
BJI	149.4	110	ePKP	06 52 15.0	3.3				
<p>APR 17d 09h 49m 42.2±0.10s, SD1.68 / 73 39.29 N±2.21km, 143.45 E±1.91km, h27±0.65km Near east coast of Honshu (228) M_s5.0 / 26,</p>									
MDJ	11.6	302	eP	09 52 29.5	0.1				
			pP	09 52 33.7	-2.1				
			sP	09 52 37.6	-2.4				
			S	09 54 38.5	-0.2				
			LZ	M _s =4.8	15.0	5.70			
CN2	14.2	294	P	09 53 07.0	3.0				
SNY	15.3	286	+P	09 53 17.0	-1.4				
			pP	09 53 24.0	-1.0				
			eS	09 56 04.0	-3.8				
			LN	M _s =4.8	13.0	1.49			
			LE		15.0	2.79			
			LZ	M _s =4.7	15.0	3.64			
DL2	16.9	276	P	09 53 40.0	0.8				
			pP	09 53 46.0	0.0				
			S	09 56 48.0	3.0				
			LN	M _s =4.8	14.0	1.82			
			LE		13.0	1.55			
SSE	19.9	253	eP	09 54 15.0	0.2				
			sP	09 54 24.0	-2.4				
			ePP	09 54 37.0	3.6				
			eS	09 57 59.0	6.5				
			sS	09 58 06.0	2.6				
			LN	M _s =4.9	12.0	1.44			
			LE		14.0	1.54			
			LZ	M _s =4.9	14.0	3.10			
BJI	21.0	281	eP	09 54 23.0	-3.1				
			eS	09 58 10.0	-3.7				
			LN	M _s =5.0	13.0	0.75			
			LE		15.0	2.81			
TIA	21.0	270	P	09 54 25.6	-0.9				
			eS	09 58 11.5	-2.8				
			LN	M _s =5.1	14.0	1.60			
			LE		13.0	2.60			
			LZ	M _s =4.7	13.0	2.00			
NJ2	21.2	258	eP	09 54 28.0	-0.3				
			LN	M _s =4.8	16.0	1.14			
			LE		15.0	1.34			
TIY	24.3	276	eP	09 55 01.8	3.2				
			LN	M _s =4.9	14.0	1.03			
			LE		17.0	1.98			
			LZ	M _s =5.0	16.0	3.45			
WHN	25.3	259	P	09 55 09.5	0.9				
			pP	09 55 15.5	-1.1				
			eS	09 59 32.0	1.3				
			LE	M _s =5.0	12.0	1.70			
QZH	25.3	243	P	09 55 08.0	-0.8				
			LN	M _s =4.6	12.0	0.66			
BTO	25.6	284	eP	09 55 12.0	0.8				
			pP	09 55 20.0	1.0				
			ePP	09 55 55.0	4.8				
			S	09 59 37.0	2.7				
			LN	M _s =5.3	14.0	1.00			
			LE		16.0	4.60			
			LZ	M _s =5.2	16.0	5.10			
XAN	28.1	270	eP	09 55 34.8	0.7				
			SS	10 01 44.0	6.2				
			LE	M _s =5.1	12.0	1.92			
LZH	31.3	277	eP	09 56 04.0	0.8				
GYA	33.2	259	P	09 56 19.4	-0.2				
			S	10 01 33.0	-2.9				
CD2	33.3	268	eP	09 56 19.9	-0.5				
GTA	33.5	284	P	09 56 23.0	0.9				
			eS	10 01 48.0	6.5				
			LN	M _s =4.9	16.0	1.19			
			LZ	M _s =5.1	17.0	3.24			
KMI	36.9	260	-P	09 56 52.0	0.7				
WMQ	41.3	295	P	09 57 30.4	2.8				
			LZ	M _s =4.6	13.0	0.60			
KSH	51.0	293	eP	09 58 46.0	1.4				
			eS	10 05 59.0	-0.1				
			LE	M _s =5.3	10.0	0.90			
<p>APR 17d 09h 54m 28.9±0.08s, SD1.64 / 71 39.34 N±1.96km, 143.37 E±1.65km, h41±1.04km Near east coast of Honshu (228) M_s5.0 / 16,</p>									
MDJ	11.5	302	eP	09 57 14.3	0.3				
CN2	14.1	294	eP	09 57 52.6	3.9				
SNY	15.2	286	eP	09 58 03.0	-0.1				
DL2	16.9	275	eP	09 58 26.0	2.1				
SSE	19.9	252	+P	09 59 00.3	0.7				
			sP	09 59 13.0	-1.1				
BJI	20.9	281	eP	09 59 08.0	-2.6				
TIA	21.0	270	P	09 59 08.3	-2.7				
			LN	M _s =4.9	12.0	0.78			
			LE		13.0	1.90			
			LZ	M _s =4.6	13.0	1.40			
NJ2	21.2	257	eP	09 59 11.0	-2.0				
TIY	24.2	276	eP	09 59 42.9	-0.2				
HHC	24.3	284	eP	09 59 43.4	-0.8				
WHN	25.3	259	+iP	09 59 54.5	1.2				
			pP	10 00 03.0	-0.5				
			S	10 04 13.0	0.0				
			LE	M _s =5.0	13.0	1.88			
BTO	25.5	284	eP	09 59 55.0	-0.7				
XAN	28.0	270	P	10 00 19.6	0.9				
LZH	31.3	277	eP	10 00 47.5	-0.2				
			LN	M _s =5.3	12.0	1.02			
			LE		13.0	2.27			
GYA	33.2	258	+P	10 01 04.0	-0.2				
			pP	10 01 14.4	-0.2				
			sP	10 01 18.4	-0.7				
			S	10 06 21.0	2.1				
			LE	M _s =5.1	14.0	1.60			
CD2	33.3	268	P	10 01 04.6	-0.4				
			LN	M _s =5.3	14.0	1.90			
			LE		14.0	2.20			
GTA	33.4	284	+iP	10 01 07.4	0.9				
			LE	M _s =5.1	15.5	2.00			
			LZ	M _s =5.0	15.0	2.16			
QZN	35.3	245	eP	10 01 22.0	-0.4				
			pP	10 01 31.0	-2.0				
			eS	10 06 54.0	1.2				
			SS	10 09 13.0	2.3				
			LN	M _s =5.0	15.0	1.20			
KMI	36.9	260	+P	10 01 36.5	0.6				
			pP	10 01 41.0	-5.2				
			S	10 07 20.0	4.0				
			LE	M _s =4.9	14.0	0.80			
WMQ	41.2	295	P	10 02 13.2	1.2				
			LZ	M _s =4.7	13.0	0.67			
KSH	50.9	293	eP	10 03 31.0	2.0				
<p>APR 18d 01h 15m 31.8±0.14s, SD3.07 / 22 39.14 N±1.42km, 112.27 E±1.15km, h12±0.30km North-Eastern China (658)</p>									



M _L 3.7/18,					
TIY	1.4	175	Pg	01 15 58.3	1.0
			P11	01 16 03.0	3.9
			Sg	01 16 18.8	2.0
			SMN	M _L =4.0	0.6 1.93
			SME		0.8 1.91
BTO	2.3	311	iPg	01 16 11.2	-0.8
			Sg	01 16 39.8	-2.9
			SMN	M _L =3.5	0.6 0.38
			SME		0.6 0.31
			SMZ	M _L =3.7	0.6 0.33
BJI	3.2	72	Pg	01 16 23.0	-4.5
			Sg	01 17 04.0	-6.5
			SMN	M _L =3.2	0.5 0.12
			SME		1.5 0.050
TIA	4.8	126	ePn	01 16 43.3	-1.5
			Pg	01 16 56.8	-0.4
			Sg	01 17 59.8	-3.5
			SMN	M _L =3.5	0.8 0.090
			SME		0.4 0.050
			SMZ	M _L =3.8	0.4 0.080
XAN	5.8	209	Pg	01 17 08.0	-5.6
			SMN	M _L =3.7	1.0 0.060
			SME		1.0 0.070
GTA	9.7	276	eP	01 17 59.7	5.6
			SMN		1.0 0.034
			SME		1.0 0.034

Near east coast of Honshu (228)					
M _g 4.3/7,					
MDJ	11.5	302	eP	22 45 40.0	1.5
			pP	22 45 47.7	2.8
			S	22 47 40.0	-6.4
			LZ	M _g =4.4	16.0 2.60
SNY	15.2	286	eP	22 46 24.5	-3.4
DL2	16.8	275	eP	22 46 49.0	0.1
			LZ	M _g =3.8	15.0 0.41
SSE	19.8	252	eP	22 47 24.0	-1.3
			sP	22 47 37.2	0.8
			S	22 51 00.0	-1.7
			SS	22 51 28.0	-1.3
			LE	M _g =4.0	12.0 0.29
			LZ	M _g =4.2	12.0 0.54
BJI	20.9	280	eP	22 47 32.5	-3.5
			LE	M _g =4.3	16.0 0.69
			LZ	M _g =4.1	16.0 0.59
TIA	20.9	270	eP	22 47 32.4	-4.2
			LN	M _g =4.4	11.5 0.29
			LE		11.5 0.56
			LZ	M _g =4.3	11.5 0.60
NJ2	21.1	257	eP	22 47 37.0	-1.7
TIY	24.2	276	eP	22 48 10.9	2.2
WHN	25.2	258	P	22 48 20.0	1.0
BTO	25.5	283	eP	22 48 21.0	-0.2
			sP	22 48 33.0	0.6
			eS	22 52 46.0	1.4
			LN	M _g =4.7	16.0 0.30
			LE		16.0 1.10
			LZ	M _g =4.4	16.0 0.90
XAN	28.0	270	eP	22 48 44.0	-0.4
			LE	M _g =4.3	12.0 0.32
LZH	31.2	277	eP	22 49 17.0	3.6
GYA	33.1	258	P	22 49 29.8	-0.3
CD2	33.2	268	P	22 49 30.2	-0.5
GTA	33.4	284	P	22 49 32.8	0.6
			LE	M _g =4.6	16.0 0.54
WMQ	41.2	295	P	22 50 38.5	0.8
KSH	50.9	293	eP	22 51 56.5	1.7

APR 18d 05h 18m 36.1±0.19s, SD1.90/24
 24.81 N±1.29km, 93.88 E±0.88km, h72±1.81km
 Burma-India border region (294)

KMI	8.0	86	eP	05 20 35.0	2.1
GYA	11.7	79	P	05 21 21.6	-0.2
GTA	15.4	18	eP	05 22 14.6	3.9
XAN	16.0	51	P	05 22 20.0	1.7
WMQ	19.6	347	eP	05 23 03.2	1.6
TIY	20.4	46	eP	05 23 07.3	-2.3
BTO	20.7	37	eP	05 23 12.0	-1.4
KSH	21.1	318	-P	05 23 19.0	2.3
HHC	21.8	38	-P	05 23 23.8	0.1

APR 18d 23h 51m 27.6±0.14s, SD4.86/5
 19.55 N±1.09km, 110.76 E±1.17km, h10±km
 Hai-nan Island (300)
 M_L3.6/4,

QZN	1.0	239	iPg	23 51 44.8	-0.6
			iSg	23 51 58.2	-1.0
			SMN	M _L =3.2	0.5 0.60
			SME		0.6 0.50
GZH	4.3	34	Pg	23 52 44.5	1.5
			Sg	23 53 39.0	-2.3
			SMN	M _L =3.7	1.0 0.10
			SME		1.0 0.16
GYA	7.8	332	ePg	23 53 49.0	2.7
			Sn	23 54 51.0	-2.5
			SMN	M _L =4.2	1.2 0.070
			SME		1.2 0.080

APR 18d 21h 11m 52.2±0.12s, SD2.21/9
 42.08 N±0.71km, 75.83 E±0.29km, h21±1.32km
 Kirgiziya (716)
 M_L3.7/7,

KSH	2.6	178	Pn	21 12 35.0	1.7
			Sn	21 13 09.0	3.5
			SMN	M _L =4.1	0.5 0.60
			SME		0.9 1.60
WMQ	8.9	75	eP	21 14 04.0	1.2
			SME	M _L =3.8	1.0 0.020

APR 19d 01h 56m 29.8±0.13s, SD1.80/84
 41.44 N±1.78km, 142.10 E±1.15km, h82±1.70km
 Near east coast of Honshu (228)
 M_g4.2/3,

MDJ	9.7	293	eP	01 58 51.4	2.9
CN2	12.5	286	eP	01 59 28.0	1.9
			eS	02 01 50.0	6.1
			LZ	M _g =4.2	16.0 1.30
SNY	13.9	278	-iP	01 59 46.7	2.7
DL2	15.8	268	eP	02 00 12.0	2.5

APR 18d 22h 42m 53.2±0.10s, SD1.90/60
 39.39 N±2.80km, 143.31 E±2.59km, h25±1.25km

KSH	59.0 304	S	06 09 33.0	2.7		
		P	06 03 45.5	1.2		
		eS	06 11 31.0	3.9		
APR 19d 12h 07m 26.0±0.10s, SD3.36 / 8 31.47 N±0.92km, 109.28 E±0.97km, h11±0.42km Sichuan Province (307) M _L 3.0 / 6,						
XAN	2.6 353	Pg	12 08 08.8	-2.9		
		Sg	12 08 40.8	-6.1		
		SMN	M _L =3.2	1.0	0.10	
		SME		1.0	0.13	
GYA	5.5 205	Pn	12 08 51.6	3.4		
		Pg	12 09 03.4	0.5		
		Sn	12 09 51.6	-1.9		
APR 19d 17h 33m 39.1±0.07s, SD3.09 / 7 25.36 N±0.73km, 103.41 E±0.57km, h14±1.06km Yunnan Province (318) M _L 3.0 / 3,						
GYA	3.1 69	Pn	17 34 29.6	1.0		
		Sn	17 35 05.8	-1.8		
		SMN	M _L =3.0	1.0	0.070	
		SME		1.0	0.050	
APR 19d 18h 53m 42.4±0.12s, SD1.13 / 22 17.93 S±0.69km, 178.48 W±0.96km, h588±1.37km Fiji region (181)						
CN2	80.0 322	P	19 04 53.0	-0.4		
WHN	80.6 306	eP	19 04 57.5	1.2		
GYA	85.0 300	P	19 05 19.4	0.9		
APR 19d 19h 01m 45.0±0.05s, SD0.81 / 40 3.73 N±0.72km, 126.62 E±1.30km, h66±0.27km Talaud Islands (263)-						
WHN	29.1 338	P	19 07 42.0	0.2		
XAN	34.4 333	+P	19 08 26.6	-1.5		
CD2	34.6 324	eP	19 08 28.5	-1.4		
DL2	35.3 353	P	19 08 36.7	0.7		
TIY	36.2 341	eP	19 08 43.8	-0.2		
BJI	37.4 347	eP	19 08 53.0	-0.3		
SNY	38.0 356	-iP	19 08 59.7	0.8		
LZH	38.4 330	eP	19 09 02.5	-0.1		
CN2	39.9 359	eP	19 09 14.0	-0.6		
MDJ	40.8 3	eP	19 09 21.5	-0.4		
GTA	43.0 329	P	19 09 40.0	-0.5		
WMQ	52.7 325	eP	19 10 55.5	0.2		
APR 19d 19h 10m 48.4±0.07s, SD1.19 / 111 3.82 N±1.03km, 126.70 E±1.74km, h40±0.24km Talaud Islands (263) M _s 5.3 / 40, m _b 5.7 / 10, m _b 5.5 / 3,						
QZN	22.4 314	P	19 15 45.0	0.5		
		pP	19 15 56.0	1.4		
		S	19 19 44.0	2.0		
		SS	19 20 22.0	-1.9		
		LN	M _s =5.1	17.0	2.90	
		LE		15.0	2.50	
QZH	22.4 340	eP	19 15 44.0	-1.0		
		PP	19 16 12.0	-0.2		
		eS	19 19 44.0	0.4		
		SMN	m _b =5.4	6.0	0.67	
		LN	M _s =5.2	19.0	5.91	
GZH	23.1 327	eP	19 15 52.0	0.1		
		S	19 19 54.0	-1.5		
		LN	M _s =5.6	17.0	11.2	
		LE		16.0	2.40	
SSE	27.6 350	+P	19 16 36.3	1.7		

		pP	19 16 46.0	1.2		
		S	19 21 13.0	2.0		
		sS	19 21 29.0	-0.3		
		PcS	19 23 36.0	4.5		
		LN	M _s =5.1	18.0	2.99	
		LZ	M _s =5.1	20.0	4.63	
WHN	29.0 338	P	19 16 47.5	0.4		
		eS	19 21 30.0	-4.3		
		LE	M _s =5.4	22.0	6.98	
NJ2	29.0 346	+P	19 16 47.0	-0.2		
		PMZ	m _b =5.6	5.0	0.54	
		LN	M _s =5.0	16.0	0.85	
		LE		20.0	1.97	
GYA	29.6 322	P	19 16 52.0	-0.2		
		pP	19 17 03.2	0.7		
		sP	19 17 03.6	-3.5		
		S	19 21 37.8	-4.5		
		LN	M _s =5.3	18.0	2.80	
		LE		18.0	3.20	
KMI	31.3 315	+P	19 17 07.0	-0.6		
		LN	M _s =5.1	17.0	2.00	
TIA	33.4 346	+P	19 17 25.5	-0.4		
		eS	19 22 41.0	-2.4		
		LN	M _s =5.2	17.0	1.50	
		LE		17.0	1.87	
XAN	34.3 333	+iP	19 17 32.2	-1.5		
CD2	34.6 324	P	19 17 34.6	-1.0		
		pP	19 17 43.9	-2.2		
		LE	M _s =5.5	18.3	5.21	
		LZ	M _s =5.2	18.0	3.85	
DL2	35.2 353	+P	19 17 42.0	0.7		
		sP	19 17 59.0	2.7		
		S	19 23 15.0	4.6		
		LE	M _s =5.2	15.0	2.16	
		LZ	M _s =4.7	22.0	1.41	
TIY	36.2 341	+P	19 17 49.1	-0.4		
		PP	19 19 10.0	-1.9		
		S	19 23 22.0	-3.0		
		LN	M _s =5.5	19.0	3.22	
		LE		22.0	3.61	
		LZ	M _s =4.8	20.0	1.61	
BJI	37.3 347	+P	19 17 59.0	0.2		
		eS	19 23 42.0	-1.1		
		LN	M _s =5.0	17.0	1.20	
SNY	37.9 356	+iP	19 18 05.4	1.1		
		iS	19 23 56.0	3.0		
		SMN		17.0	1.24	
		sS	19 24 14.0	3.1		
		LN	M _s =5.3	21.0	1.35	
		LE		20.0	2.57	
		LZ	M _s =4.7	24.0	1.56	
LZH	38.4 330	+iP	19 18 08.5	0.2		
		PMZ	m _b =5.7	2.5	0.35	
		LN	M _s =5.6	20.0	4.82	
		LE		20.0	2.93	
HHC	39.3 342	-P	19 18 16.3	0.6		
BTO	39.6 340	+P	19 18 18.0	0.0		
		sP	19 18 36.0	2.9		
		eS	19 24 18.0	0.0		
		LN	M _s =5.4	21.0	3.40	
		LE		20.0	1.90	
		LZ	M _s =5.2	21.0	3.60	
CN2	39.8 359	+P	19 18 20.4	0.5		
		pP	19 18 31.0	0.5		
		PP	19 19 55.0	0.3		
		PcP	19 20 27.0	1.7		
		eS	19 24 21.0	-0.5		
		LZ	M _s =4.7	22.0	1.30	



CN2	41.8	358	LZ	$M_s=4.8$	15.0	1.00
			iP	20 56 35.0	-0.3	
			PMZ		3.0	0.60
			ScP	21 02 11.8	-0.5	
			eS	21 02 49.0	2.1	
			SS	21 05 50.0	0.1	
MDJ	42.6	2	LZ	$M_s=5.3$	12.0	1.50
			LZ	$M_s=4.9$	22.0	1.80
			-iP	20 56 42.5	0.5	
			pP	20 56 55.6	-4.7	
LSA	44.1	312	S		21 02 56.0	-2.0
			SS		21 06 05.0	-0.4
			LZ	$M_s=5.3$	40.0	7.10
			-iP	20 56 54.8	-0.3	
			PMZ		3.0	1.59
GTA	45.0	330	S		21 03 19.0	-1.5
			-iP	20 57 02.0	0.3	
			PcP	20 58 40.7	-0.6	
			PP	20 58 49.0	1.1	
			ScP	21 02 26.2	0.8	
			S	21 03 32.0	-0.9	
WMQ	54.6	325	ScS		21 06 47.6	-0.2
			LN	$M_s=5.2$	28.0	2.51
			LZ	$M_s=5.1$	25.0	2.76
			-iP	20 58 15.0	0.1	
			pP	20 58 37.0	3.3	
KSH	59.8	316	PP		21 00 22.0	2.9
			S		21 05 49.0	3.1
			SMN	$m_B=6.1$	6.0	1.60
			LZ	$M_s=5.3$	24.0	2.99
			iP	20 58 53.0	0.9	

KSH	74.6	321	P	22 16 38.0	1.7
KMI	75.1	293	+P	22 16 39.0	-0.1
QZN	76.4	284	eP	22 16 44.8	-1.2
LSA	76.9	304	P	22 16 49.7	0.0

APR 19d 23h 10m $23.6 \pm 0.09s$, SD1.50 / 39
 $9.55 S \pm 1.27km$, $120.64 E \pm 1.81km$, $h46 \pm 0.09km$
 Sumba region (287)
 $M_s 4.9 / 1$,

GYA	38.3	340	P	23 17 42.8	1.0
SSE	40.4	1	eP	23 18 00.0	0.6
			pP	23 18 12.0	0.9
CD2	43.4	339	eP	23 18 23.5	-0.2
XAN	44.7	346	eP	23 18 34.4	-0.4
TIY	47.6	351	eP	23 18 58.0	0.3
LZH	48.1	342	eP	23 19 00.0	-1.2
LSA	48.3	325	eP	23 19 01.6	-1.3
GTA	52.4	340	P	23 19 34.2	0.0
WMQ	60.9	333	eP	23 20 34.8	-0.2

APR 20d 02h 31m $52.5 \pm 0.07s$, SD3.78 / 5
 $35.93 N \pm 0.41km$, $80.30 E \pm 1.11km$, $h12 \pm 1.02km$
 Kashmir-Tibet border region (304)
 $M_L 3.7 / 2$,

KSH	5.0	317	ePn	02 33 10.0	2.3
			iSn	02 34 06.0	-1.3
WMQ	9.7	34	P	02 34 17.6	2.2
			SMN		1.0 0.010
			SME		1.0 0.020

APR 20d 02h 38m $57.3 \pm 0.11s$, SD1.20 / 55
 $6.67 S \pm 1.24km$, $153.28 E \pm 1.44km$, $h10 \pm 0.26km$
 New Britain region (192)
 $M_s 5.2 / 1$,

QZH	46.1	314	eP	02 47 24.9	0.7
			LN	$M_s=5.2$	14.0 1.10
NJ2	50.6	322	+P	02 48 00.0	1.1
WHN	52.5	317	eP	02 48 14.5	0.9
DL2	54.0	330	eP	02 48 25.8	1.3
TIA	54.5	324	P	02 48 27.3	-0.8
MDJ	55.3	340	eP	02 48 32.5	-1.7
GYA	55.9	308	eP	02 48 39.0	0.5
CN2	56.2	336	eP	02 48 40.2	-0.2
BJI	57.7	327	eP	02 48 50.0	-1.1
TIY	58.3	322	eP	02 48 54.7	-0.6
XAN	58.3	317	+P	02 48 54.5	-0.9
KMI	58.4	305	+P	02 48 57.5	1.0
CD2	60.3	311	eP	02 49 08.8	-0.6
HHC	60.8	325	+P	02 49 13.0	0.0
BTO	61.6	324	eP	02 49 17.0	-1.0
LZH	62.9	316	eP	02 49 27.0	0.1
GTA	67.3	318	eP	02 49 55.6	0.0
LSA	69.7	305	eP	02 50 10.3	-0.2
WMQ	77.4	318	P	02 50 55.3	-0.1

APR 20d 03h 50m $07.4 \pm 0.14s$, SD1.48 / 74
 $39.04 N \pm 1.55km$, $44.05 E \pm 1.18km$, $h50 \pm 0.84km$
 Turkey (366)
 $M_s 5.3 / 25$, $m_B 5.4 / 6$,

KSH	24.6	79	+iP	03 55 26.0	1.1
			sP	03 55 42.0	0.1
			ePP	03 56 05.0	3.9
			S	03 59 46.0	7.1
			SME	$m_B=5.8$	12.0 2.90
			LE	$M_s=5.6$	12.0 7.70
WMQ	32.8	67	+P	03 56 38.0	-0.7
			sP	03 56 56.5	0.5
			LN	$M_s=5.4$	16.0 3.73

APR 19d 21h 38m $35.4 \pm 0.03s$, SD2.71 / 5
 $44.77 N \pm 0.23km$, $93.26 E \pm 0.42km$, $h5 \pm 0.41km$
 Northern Xinjiang Province (332)
 $M_L 3.0 / 5$,
 WMQ 4.1 258 Pn 21 39 39.8 0.7
 Sg 21 40 37.6 -6.3
 SMN $M_L=2.9$ 0.5 0.020
 SME 0.5 0.030

APR 19d 22h 05m $02.6 \pm 0.14s$, SD0.74 / 76
 $56.44 N \pm 0.83km$, $156.48 W \pm 0.73km$, $h77 \pm 1.03km$
 South of Alaska (17)

MDJ	46.2	288	eP	22 13 21.1	-1.2
CN2	49.0	290	+iP	22 13 43.2	-0.4
			pP	22 14 01.5	-0.6
SNY	51.3	289	eP	22 14 01.8	0.1
DL2	54.5	288	eP	22 14 26.1	1.1
BJI	56.5	293	eP	22 14 39.0	-0.4
HHC	58.2	297	eP	22 14 52.0	0.4
BTO	59.1	298	eP	22 14 57.0	-1.2
TIY	60.1	294	eP	22 15 04.7	-0.3
SSE	60.6	283	+P	22 15 08.3	0.1
NJ2	61.1	285	+P	22 15 11.0	-0.7
WHN	64.7	287	P	22 15 35.5	0.1
XAN	64.8	294	+P	22 15 35.7	-0.2
GTA	64.9	304	+iP	22 15 36.5	-0.5
LZH	65.7	299	P	22 15 42.0	0.1
WMQ	66.5	315	+iP	22 15 47.5	0.4
CD2	69.9	296	+iP	22 16 08.5	0.5
GZH	71.2	283	-iP	22 16 16.7	0.9
GYA	72.0	291	+P	22 16 21.0	0.2
			pP	22 16 40.2	-0.1

GTA	42.6	71	LE		16.0	2.19	XAN	128.3	44	PKP	04 44 45.3	0.6		
			LZ	$M_s = 5.0$	16.0	2.25	TIY	128.4	38	PKP	04 44 46.0	1.1		
			eP	03 58 00.0	-1.1					PP	04 46 50.0	-2.4		
			eS	04 04 24.5	4.5					LE	$M_s = 5.9$	20.0	1.47	
			SME	$m_B = 5.3$	7.0	0.33				LZ	$M_s = 5.5$	22.0	1.04	
LZH	46.7	74	LE	$M_s = 5.0$	12.0	0.70	BJI	129.0	33	ePKP	04 44 47.0	1.0		
			LZ	$M_s = 4.8$	16.0	1.10	GYA	130.4	53	PKP	04 44 49.8	1.0		
			eP	03 58 34.5	0.2					pPKP	04 45 54.0	-0.2		
			LN	$M_s = 5.3$	13.0	1.16				PP	04 47 03.6	-1.8		
			LE		11.0	0.50	CN2	130.4	23	+PKP	04 44 48.0	-0.7		
CD2	48.8	80	eP	03 58 50.0	-0.5		SNY	131.3	26	-PKP	04 44 51.2	0.9		
			S	04 05 50.0	2.2		TIA	132.2	36	ePKP	04 44 49.6	-2.5		
BTO	49.6	66	eP	03 58 57.6	1.2				LN	$M_s = 6.0$	17.0	1.40		
			HHC	50.6	65	eP	03 59 04.0	-0.1			LE		17.0	0.70
KMI	50.8	88	eS	04 06 12.0	-1.7		DL2	132.6	30	ePKP	04 44 54.0	1.0		
			LN	$M_s = 5.3$	14.0	0.74	WHN	134.0	44	ePKP	04 44 56.0	0.4		
			LE		14.0	0.94	SSE	138.1	38	PKP	04 45 04.0	0.8		
			+P	03 59 05.0	-0.9					ePP	04 47 54.0	-0.8		
			pP	03 59 22.0	3.9					LE	$M_s = 5.4$	10.0	0.24	
XAN	51.4	74	PcP	04 00 24.0	2.9		APR 20d 06h 40m $24.7 \pm 0.09s$, SD1.46 / 96							
			eS	04 06 11.0	-5.9		27.07 N $\pm 1.47km$, 86.73 E $\pm 1.19km$, h52 $\pm 0.44km$							
			LE	$M_s = 5.1$	18.0	1.00	Nepal-India border region (309)							
			LZ	$M_s = 4.8$	20.0	0.90	$M_s 4.9 / 35$, $m_B 5.0 / 2$,							
			+P	03 59 09.1	-0.8		LSA	4.7	55	P	06 41 35.6	0.1		
TIY	52.4	68	LN	$M_s = 5.5$	15.0	2.02			LN	$M_s = 5.2$	4.0	15.0		
			eP	03 59 17.7	-0.2		KMI	14.5	94	-P	06 43 48.0	-1.2		
			LN	$M_s = 5.3$	17.0	1.55				pP	06 43 56.0	-2.2		
GYA	53.2	84	LZ	$M_s = 5.1$	18.0	1.58			S	06 46 32.0	4.2			
			P	03 59 26.2	2.6				LN	$M_s = 4.9$	9.0	2.80		
			LE	$M_s = 5.0$	16.0	0.70	KSH	15.3	327	eP	06 43 56.0	-3.6		
BJI	54.2	64	eP	03 59 31.0	0.4				PP	06 44 07.0	-4.6			
			TIA	56.5	68	eP	03 59 44.1	-3.2			S	06 46 40.0	-6.8	
			eS	04 07 40.0	6.9				LN	$M_s = 5.2$	11.0	5.80		
WHN	57.1	75	SME	$m_B = 5.4$	9.0	0.46	CD2	15.4	72	eP	06 43 58.4	-1.8		
			LN	$M_s = 5.4$	17.0	1.40				eS	06 46 52.8	4.0		
			LE		17.0	0.70	GTA	16.4	38	LN	$M_s = 5.0$	8.0	2.83	
DL2	58.5	63	eP	03 59 49.0	-2.5				eP	06 44 11.0	-2.8			
			eS	04 07 40.0	-0.8				SMN	$m_B = 4.8$	6.5	0.26		
			LE	$M_s = 5.2$	12.0	0.73			ScS	06 56 13.6	3.6			
CN2	58.9	57	eP	04 00 04.0	2.7				LN	$M_s = 4.5$	12.0	1.09		
			LZ	$M_s = 5.0$	17.0	0.95			LZ	$M_s = 4.3$	15.0	1.18		
			P	04 00 06.0	1.9		WMQ	16.7	2	-iP	06 44 17.1	-0.1		
QZN	59.6	89	eS	04 08 07.0	2.5				sS	06 47 31.0	-4.6			
			LE	$M_s = 5.6$	14.0	2.00			LN	$M_s = 4.7$	16.0	2.27		
			LZ	$M_s = 5.4$	18.0	2.50	GYA	17.8	87	P	06 44 30.4	-0.5		
			eP	04 00 08.0	-1.5				S	06 47 42.4	-1.4			
			eS	04 08 11.0	-3.5				LE	$M_s = 4.6$	14.0	1.40		
NJ2	59.7	72	LN	$M_s = 5.3$	14.0	0.71	XAN	20.3	65	P	06 44 58.7	-0.5		
			LE		13.0	0.51	QZN	22.7	106	P	06 45 25.0	1.8		
			-P	04 00 11.0	1.2				pP	06 45 37.0	1.7			
SSE	61.9	71	LN	$M_s = 5.4$	16.0	0.47			S	06 49 28.0	5.7			
			LE		15.0	1.34			LN	$M_s = 4.6$	15.0	0.95		
			P	04 00 24.0	-0.7		BTO	23.5	49	eP	06 45 32.0	1.0		
			pP	04 00 39.0	1.4				pP	06 45 40.0	-3.1			
			SMN	$m_B = 5.1$	8.0	0.23			eS	06 49 42.0	4.6			
GTA	119.2	43	LN	$M_s = 5.4$	16.0	1.07			LN	$M_s = 4.7$	14.0	0.70		
			LZ	$M_s = 4.7$	20.0	0.56			LE		16.0	0.90		
			LZ						LZ	$M_s = 4.4$	16.0	1.10		
			ePKP	04 44 27.8	0.5		TIY	24.1	57	-iP	06 45 37.5	0.8		
			LZH	123.6	44	ePKP	04 44 37.0	1.1			LN	$M_s = 5.1$	14.0	3.08
BTO	125.1	36	ePKP	04 44 39.0	0.4		GZH	24.4	93	P	06 45 41.0	1.2		
			HHC	125.8	35	+PKP	04 44 41.4	1.3			sP	06 45 53.0	-4.7	
CD2	126.1	50	PKP	04 44 41.6	1.1		WHN	24.4	75	P	06 45 41.0	1.1		
										pP	06 45 50.5	-1.7		
HHC	24.7	50							LE	$M_s = 5.0$	10.0	1.43		
									LZ	$M_s = 4.8$	16.0	2.40		
			+iP	06 45 44.2	1.9									



			S	06 50 03.0	6.7				eS	10 32 14.0	-3.7		
			LN	$M_s=4.8$	10.0	0.63			LE	$M_g=4.4$	11.0		
			LE		10.0	0.72	DL2	12.9 329	eP	10 30 48.0	2.0		
TIA	27.3	63	P	06 46 07.4	0.2				eS	10 33 10.0	0.5		
			eS	06 50 44.0	2.7				LN	$M_s=5.1$	12.0	5.40	
			LN	$M_s=4.8$	18.0	1.40			LE		12.0	4.40	
			LE		15.0	0.45			LZ	$M_g=5.0$	12.0	6.66	
BJI	27.6	55	eP	06 46 10.0	0.5			TIA	13.7 310	eP	10 30 52.3	-3.6	
			eS	06 50 50.0	4.6				eS	10 33 24.0	-3.7		
			LN	$M_s=5.2$	14.0	2.63			LN	$M_g=4.9$	13.0	2.40	
			LE		14.0	1.67			LE		13.0	3.10	
NJ2	28.3	72	+P	06 46 17.2	1.2				LZ	$M_g=4.6$	13.0	2.60	
			LN	$M_s=5.2$	11.0	2.10		WHN	14.0 284	eP	10 31 01.5	1.5	
			LE		12.0	0.86			pP	10 31 08.0	0.7		
QZH	28.7	87	eP	06 46 19.5	0.3				SS	10 33 54.0	3.0		
			eS	06 51 04.0	1.4				LE	$M_s=5.0$	12.0	4.63	
			LN	$M_s=4.9$	7.0	0.66			LZ	$M_s=5.1$	12.0	7.85	
SSE	30.3	74	P	06 46 34.0	0.3			SNY	14.7 340	+P	10 31 11.6	1.8	
			pP	06 46 42.3	-4.0				LN	$M_s=5.1$	14.0	5.18	
			PP	06 47 36.0	2.9				LE		13.0	3.76	
			S	06 51 30.0	2.3				LZ	$M_s=5.0$	13.0	5.95	
			LN	$M_s=5.0$	16.0	1.61		GZH	15.9 256	P	10 31 30.0	4.8	
			LE		16.0	1.08			LN	$M_s=4.9$	12.0	2.20	
			LZ	$M_s=4.9$	16.0	2.21			LE		11.0	1.50	
DL2	31.4	59	eP	06 46 44.5	1.3			CN2	16.1 348	+P	10 31 29.0	0.9	
SNY	33.5	54	+iP	06 47 02.6	1.1				pP	10 31 37.0	1.4		
			eS	06 52 13.0	-5.2				LE	$M_s=4.9$	12.0	3.20	
			LE	$M_s=4.9$	20.0	1.44			LZ	$M_s=4.9$	14.0	4.70	
			LZ	$M_s=4.7$	22.0	1.51		MDJ	16.5 359	eP	10 31 35.5	2.7	
CN2	35.3	52	-iP	06 47 17.8	0.6				S	10 34 38.0	4.1		
			pP	06 47 25.0	-5.0			BJI	16.6 320	eP	10 31 33.5	-0.2	
			PcP	06 49 46.0	-0.1				eS	10 34 34.0	-2.2		
			eS	06 52 52.0	5.4				LN	$M_s=4.9$	13.0	2.48	
			LN	$M_s=5.2$	20.0	2.50			LE		13.0	2.05	
MDJ	38.4	51	eP	06 47 43.2	0.0				LZ	$M_s=4.8$	14.0	3.52	
<p>APR 20d 08h 03m $11.1 \pm 0.15s$, $SD1.90 / 32$ $16.80 S \pm 2.49km$, $177.17 W \pm 2.15km$, $h31 \pm 0.55km$ Fiji region (181)</p>													
CN2	79.9	322	eP	08 15 18.5	-0.7				TIY	17.7 307	+iP	10 31 48.0	0.7
SNY	79.9	319	+P	08 15 19.2	-0.2				pP	10 31 58.5	3.5		
WHN	80.9	306	P	08 15 24.0	-0.7				SS	10 35 25.0	2.4		
BJI	83.8	315	eP	08 15 40.0	0.2			XAN	19.1 293	+P	10 32 02.8	-2.0	
			eS	08 26 06.0	5.9				LN	$M_s=5.2$	11.0	2.30	
TIY	85.4	311	eP	08 15 46.8	-0.9				LE		11.0	3.21	
			S	08 26 17.0	3.0			HHC	19.9 315	eP	10 32 11.0	-2.3	
			sS	08 26 31.0	-0.1				LN	$M_s=4.9$	12.0	1.34	
			LZ	$M_g=5.1$	26.0	0.99			LE		12.0	1.56	
GYA	85.5	299	P	08 15 51.0	2.7			QZN	20.6 249	eP	10 32 18.4	-2.7	
XAN	86.5	307	eP	08 15 53.7	0.5				pP	10 32 31.0	1.1		
			S	08 26 28.0	3.2				S	10 36 01.0	-3.4		
KMI	88.4	297	+P	08 16 05.5	3.2				SS	10 36 37.0	1.5		
<p>APR 20d 10h 27m $41.9 \pm 0.13s$, $SD2.08 / 82$ $28.06 N \pm 1.82km$, $130.12 E \pm 2.16km$, $h35 \pm 0.47km$ Ryukyu Islands (238) $M_g5.0 / 36$, $m_b5.3 / 2$,</p>													
SSE	8.3	293	eP	10 29 41.0	-2.5			BTO	20.7 312	eP	10 32 20.5	-1.8	
			pP	10 29 51.0	0.7				pP	10 32 31.5	0.5		
			eS	10 31 13.0	-4.4				eS	10 36 01.0	-6.2		
			sS	10 31 22.0	-6.4				LN	$M_s=4.8$	11.0	0.80	
			LN	$M_g=4.8$	12.0	4.04			LE		11.0	1.30	
			LE		12.0	6.07			LZ	$M_g=4.6$	11.0	1.40	
			LZ	$M_g=4.9$	12.0	9.48		GYA	20.9 271	-P	10 32 23.8	-0.4	
NJ2	10.5	295	-P	10 30 15.0	1.2				pP	10 32 34.0	1.0		
			LN	$M_g=5.2$	12.0	4.54			LN	$M_s=5.1$	12.0	2.50	
			LE		10.0	9.26			LE		12.0	1.90	
QZH	10.8	256	eP	10 30 19.0	1.9			CD2	23.1 283	eP	10 32 44.4	-1.6	
									LE	$M_s=5.4$	12.0	4.97	
									LZ	$M_g=5.3$	13.0	6.12	
								LZH	23.6 296	eP	10 32 50.0	-1.0	
									eS	10 37 00.0	-0.1		
									sS	10 37 18.0	3.2		

<p>SME $m_b = 5.3$ 12.0 1.10 LN $M_s = 5.3$ 11.0 2.76 LE 11.0 1.74</p>					<p>SMN $M_L = 2.4$ 0.3 0.011 SME 0.3 0.015 SMZ $M_L = 2.6$ 0.3 0.014</p>										
KMI	24.6	270	+P	10 33 01.0	-0.1	XAN	6.9	226	ePg	22 59 01.9	1.6				
<p>10 33 09.0 -1.0 LN $M_s = 5.0$ 14.0 2.00 GTA 27.5 302 P 10 33 26.4 -1.3 LN $M_s = 5.0$ 11.0 1.52 LZ $M_s = 5.2$ 13.0 4.18</p>					<p>APR 21d 09h 02m $56.8 \pm 0.04s$, SD2.61 / 5 32.95 N $\pm 0.72km$, 125.05 E $\pm 0.44km$, h16 $\pm 0.57km$ Off coast of Eastern China (666) $M_L 3.8 / 4$, SSE 3.8 242 Pn 09 03 57.0 2.3 Pg 09 04 06.7 3.4 Sg 09 04 54.7 -0.1 SMN $M_L = 3.6$ 0.5 0.23 SME 0.5 0.091</p>										
WMQ	37.3	306	P	10 34 51.6	-1.7	NJ2	5.3	262	+Pg	09 04 30.5	-0.2				
<p>10 40 40.0 1.4 LN $M_s = 5.4$ 15.0 2.56 LE 16.0 1.96 LZ $M_s = 5.1$ 16.0 2.40</p>					<p>Sg 09 05 47.0 3.8 SMN $M_L = 3.5$ 0.8 0.056 SME 0.8 0.040</p>										
<p>APR 20d 13h 30m $16.8 \pm 0.17s$, SD1.01 / 24 30.90 N $\pm 1.80km$, 50.11 E $\pm 1.29km$, h43 $\pm 0.45km$ Western Iran (347)</p>															
WMQ	32.3	56	eP	13 36 43.7	-0.4	<p>APR 21d 10h 01m $47.2 \pm 0.07s$, SD0.91 / 28 39.00 N $\pm 1.03km$, 44.05 E $\pm 0.73km$, h45 $\pm 0.30km$ Turkey (366) $M_s 4.6 / 1$, KSH 24.6 79 P 10 07 06.5 1.3 pP 10 07 16.5 0.5 eS 10 11 21.0 0.3 LE $M_s = 4.6$ 10.0 0.60</p>									
GTA	41.1	64	+iP	13 37 59.0	0.4	WMQ	32.8	67	P	10 08 18.5	-0.5				
KMI	46.5	84	-P	13 38 41.0	-1.3	GTA	42.6	71	P	10 09 42.0	0.6				
XAN	49.1	70	-P	13 39 01.9	-0.9	XAN	51.4	74	-P	10 10 49.6	-0.6				
GYA	49.4	80	P	13 39 03.4	-1.3	GYA	53.2	84	P	10 11 02.4	-1.4				
TIY	51.1	64	eP	13 39 17.8	-0.1	WHN	57.1	75	eP	10 11 31.0	-0.8				
TIA	55.1	65	P	13 39 46.7	-0.9	<p>APR 21d 16h 01m $51.3 \pm 0.05s$, SD1.24 / 49 24.74 N $\pm 1.06km$, 122.72 E $\pm 0.58km$, h114 $\pm 1.04km$ Taiwan region (243) QZH 3.8 274 eP 16 02 47.7 -1.0 SMN 0.5 0.33 SME 0.6 0.20 SSE 6.5 348 +iP 16 03 25.6 0.1 sP 16 03 50.0 -3.7 SMN 1.0 0.027 SME 1.0 0.049 NJ2 8.0 336 -P 16 03 46.2 -0.6 S 16 05 16.0 -0.4 SMN 1.0 0.094 SME 1.0 0.059 WHN 9.4 310 eP 16 04 04.5 -0.7 GYA 14.6 280 eP 16 05 15.0 1.5 XAN 15.2 311 -P 16 05 24.3 3.5 TIY 15.6 328 eP 16 05 28.0 1.4 BJI 16.2 342 eP 16 05 35.5 1.7 CD2 17.9 294 eP 16 05 53.2 -0.8 KMI 18.1 275 -P 16 05 58.5 1.2 HHC 18.6 333 eP 16 06 03.0 0.8 BTO 19.0 329 eP 16 06 08.0 0.5 CN2 19.1 6 eP 16 06 08.0 -0.3 LZH 19.8 309 eP 16 06 15.0 -0.2 GTA 24.2 313 eP 16 06 58.1 -0.7</p>									
<p>APR 20d 14h 54m $26.8 \pm 0.07s$, SD1.02 / 44 10.60 N $\pm 1.74km$, 57.08 E $\pm 1.11km$, h11 $\pm 0.16km$ Carlsberg Ridge (421)</p>															
WMQ	42.4	33	P	15 02 24.5	0.9	<p>APR 20d 21h 43m $06.6 \pm 0.08s$, SD1.29 / 23 8.12 S $\pm 1.39km$, 109.00 E $\pm 0.95km$, h102 $\pm 0.74km$ Java (277) XAN 41.9 360 -P 21 50 49.0 -0.2 GTA 48.0 350 eP 21 51 38.2 0.0 BJI 48.4 7 P 21 51 42.5 2.0</p>									
KMI	45.6	65	eP	15 02 49.5	0.1	<p>APR 20d 22h 56m $58.4 \pm 0.07s$, SD1.83 / 13 38.97 N $\pm 0.67km$, 114.92 E $\pm 0.62km$, h13 $\pm 0.09km$ North-Eastern China (658) $M_L 3.1 / 15$, BJI 1.4 42 Pg 22 57 22.5 -1.4 eSg 22 57 43.5 -0.2 SMN $M_L = 2.7$ 0.5 0.090 SME 0.5 0.10 TIY 2.3 238 Pn 22 57 36.5 -0.4 iPg 22 57 39.3 -0.1 Sg 22 58 06.4 -4.8 SMN $M_L = 3.4$ 0.8 0.19 SME 0.8 0.30 HHC 3.2 307 ePg 22 57 56.0 1.1 Sg 22 58 35.7 -2.6 SMN $M_L = 3.3$ 0.8 0.13 SME 0.8 0.085 TIA 3.3 147 ePg 22 57 57.8 1.7 Sg 22 58 37.7 -3.0</p>									
GTA	47.5	45	eP	15 03 05.4	0.4	<p>APR 21d 16h 27m $30.0 \pm 0.20s$, SD2.30 / 48 23.86 N $\pm 2.19km$, 121.61 E $\pm 2.43km$, h8 $\pm 0.70km$ Taiwan (244) $M_s 4.7 / 23$, $M_L 4.4 / 13$, QZH 3.0 292 ePn 16 28 18.1 0.4 Sn 16 28 54.5 -0.9 SMN $M_L = 4.4$ 1.3 1.46 SME 1.4 1.78</p>									
CD2	47.7	58	eP	15 03 04.6	-1.4										
GYA	49.3	64	P	15 03 18.3	-0.1										
XAN	52.7	55	-P	15 03 43.3	-0.9										
TIY	56.3	52	eP	15 04 10.3	-0.5										
HHC	56.5	48	eP	15 04 12.1	0.1										
WHN	56.6	60	P	15 04 11.5	-1.0										
BJI	59.7	50	eP	15 04 34.0	-0.4										
TIA	59.7	54	eP	15 04 33.4	-1.1										
CN2	67.1	47	eP	15 05 23.0	-0.6										

TIA	40.8	19	+P	19 04 07.1	-0.5
TIY	41.0	12	eP	19 04 09.2	0.2
GTA	41.6	357	P	19 04 14.8	0.5
			ScS	19 13 50.4	-1.8
BTO	43.4	9	eP	19 04 28.4	0.2
HHC	43.9	10	eP	19 04 33.0	0.8
BJI	44.1	15	eP	19 04 34.0	0.0
DL2	44.8	22	eP	19 04 39.8	0.2
WMQ	47.8	346	P	19 05 02.8	-0.2
			sP	19 06 05.0	-4.6
			S	19 11 41.2	-1.0
			SMN		3.0 0.11
SNY	48.1	21	+P	19 05 04.0	-1.2
KSH	48.2	333	eP	19 05 05.0	-1.0
			eS	19 11 48.5	-0.3
			esS	19 13 05.0	-0.9
CN2	50.5	22	-P	19 05 22.3	-1.1
MDJ	52.8	24	-P	19 05 40.5	-0.1

APR 21d 20h 17m 28.9±0.09s, SD1.14 / 67
3.16 N±1.10km, 126.88 E±1.60km, h69±0.55km
Molucca Passage (266)
M_S4.9 / 2, m_B5.4 / 1,

QZN	22.9	315	P	20 22 28.2	-0.1
			eS	20 26 28.0	-1.5
			sS	20 26 51.5	-4.2
WHN	29.7	338	eP	20 23 28.0	-3.0
NJ2	29.7	346	-P	20 23 31.6	0.5
XAN	35.0	333	-P	20 24 16.0	-1.1
DL2	35.9	353	eP	20 24 26.6	1.8
TIY	36.9	341	eP	20 24 33.0	0.1
			LZ	M _S =4.7	24.0 1.48
BJI	38.0	347	eP	20 24 43.0	0.9
			eS	20 30 32.0	2.9
SNY	38.6	356	eP	20 24 48.2	0.7
LZH	39.1	330	eP	20 24 52.5	1.0
HHC	40.0	342	eP	20 24 59.0	0.0
BTO	40.3	340	eP	20 25 01.6	0.3
MDJ	41.4	3	eP	20 25 11.4	1.2
			S	20 31 20.0	1.2
			LZ	M _S =4.6	24.0 1.00
LSA	42.9	312	-P	20 25 23.6	0.0
GTA	43.7	329	eP	20 25 28.3	-0.9
WMQ	53.3	325	-iP	20 26 43.0	-0.5
			eS	20 34 04.5	-4.0
			esS	20 34 32.0	-5.8
			LN	M _S =5.2	26.0 1.32
			LE		24.0 0.90
			LZ	M _S =4.9	24.0 1.20
KSH	58.6	315	eP	20 27 20.0	-1.7
			pP	20 27 38.0	-0.9
			eS	20 35 16.0	-3.3

APR 21d 20h 22m 18.8±0.12s, SD1.85 / 29
4.93 N±1.73km, 127.35 E±2.59km, h40±0.64km
Talaud Islands (263)

TIY	35.4	339	eP	20 29 13.2	0.2
BJI	36.4	345	eP	20 29 22.0	0.4
SNY	36.9	355	eP	20 29 27.3	1.4
LZH	37.8	328	eP	20 29 32.0	-1.7
GTA	42.4	328	eP	20 30 12.0	0.2

APR 21d 21h 38m 43.0±0.13s, SD1.58 / 19
4.85 N±1.24km, 127.04 E±1.07km, h64±1.49km
Talaud Islands (263)

BJI	36.4	346	eP	21 45 43.0	-0.3
SNY	36.9	356	eP	21 45 48.6	0.5
LZH	37.7	329	eP	21 45 54.5	-0.1

GTA	42.3	328	eP	21 46 33.6	1.0
APR 22d 01h 54m 07.9±0.08s, SD0.88 / 79 30.78 N±1.48km, 50.29 E±0.97km, h32±0.05km Western Iran (347) M _B 5.0 / 11, m _B 5.5 / 2,					
KSH	22.6	60	+P	01 59 10.0	2.2
			pP	01 59 14.0	-2.3
			eS	02 03 14.0	4.6
			SMN	m _B =5.5	7.0 1.10
			LN	M _B =5.3	11.0 4.10
WMQ	32.2	56	+iP	02 00 36.4	0.7
			eS	02 05 49.0	3.2
			LN	M _B =5.0	17.0 1.62
			LE		16.0 0.86
			LZ	M _B =4.5	16.0 0.83
LSA	35.2	81	eP	02 01 01.2	-0.6
GTA	41.0	64	+iP	02 01 51.2	1.1
			PcP	02 03 50.5	0.8
LZH	44.5	68	eP	02 02 20.0	0.9
CD2	45.5	75	eP	02 02 26.4	-0.4
KMI	46.3	83	+P	02 02 33.0	-0.4
BTO	48.7	61	P	02 02 51.5	0.0
			sP	02 03 05.0	0.6
			eS	02 09 51.5	0.5
			LN	M _S =5.1	17.0 0.90
			LE		15.0 0.50
XAN	49.0	70	+P	02 02 53.6	-0.6
GYA	49.2	80	P	02 02 55.0	-0.9
TIY	51.0	64	+iP	02 03 09.9	0.4
			sP	02 03 23.5	1.1
			eS	02 10 30.0	6.4
			LN	M _S =4.9	14.0 0.47
			LZ	M _S =4.8	16.0 0.71
BJI	53.4	61	eP	02 03 27.0	-0.2
			PcP	02 04 34.0	0.5
WHN	54.4	73	P	02 03 35.0	0.5
QZN	54.7	88	-P	02 03 37.0	0.1
TIA	55.0	65	+P	02 03 39.1	-0.1
NJ2	57.6	69	+P	02 03 55.5	-2.0
DL2	57.8	61	+P	02 03 59.0	0.2
			eS	02 12 00.0	5.7
SNY	58.4	57	+P	02 04 02.6	-0.9
			PcP	02 04 53.4	0.3
			eS	02 12 01.0	-2.2
			LN	M _S =5.3	17.0 1.18
CN2	59.3	55	+iP	02 04 08.8	-0.6
			pP	02 04 19.0	0.3
			eS	02 12 15.0	0.8
			LZ	M _S =4.9	15.0 0.70
SSE	59.8	70	-P	02 04 12.5	-0.3
			pP	02 04 21.0	-1.1
			eS	02 12 20.0	-0.5
			LN	M _S =4.8	20.0 0.47
MDJ	61.9	53	eP	02 04 26.0	-1.4

APR 22d 04h 03m 34.8±0.08s, SD1.06 / 22
17.20 N±1.69km, 61.54 W±0.90km, h61±0.15km
Leeward Islands (92)

BJI	123.0	2	ePKP	04 22 26.0	0.8
XAN	128.2	10	PKP	04 22 37.0	1.7
GYA	135.1	15	PKP	04 22 50.4	2.0

APR 22d 09h 30m 06.4±0.07s, SD1.57 / 32
49.86 N±1.12km, 78.07 E±1.11km, h1±0.25km
Eastern Kazakhstan (329)
M_L4.7 / 6,

WMQ	8.9	129	iP	09 32 19.4	-0.6
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		SMN		$M_L=4.7$	0.8	0.14	WMQ	7.7	61	Pn	06 50 42.6	2.1		
		SME			0.8	0.14				Sn	06 52 05.0	-4.0		
XAN	27.6	113	P	09 35 57.4	-0.3					SMN			2.3	0.11
GYA	32.1	126	-P	09 36 37.6	-0.1									
WHN	33.3	112	P	09 36 48.5	0.2									
APR 23d 05h 42m $58.0 \pm 0.14s$, SD2.45 / 63 36.80 N \pm 2.21km, 72.97 E \pm 2.15km, h34 \pm 0.44km Afghanistan-USSR border region (717) $M_S=4.8 / 20$, $M_L=5.0 / 2$, $m_B=5.2 / 3$,							APR 23d 19h 04m $06.2 \pm 0.12s$, SD2.56 / 37 29.22 N \pm 1.39km, 99.60 E \pm 1.36km, h14 \pm 0.23km Yunnan Province (318) $M_g=4.1 / 10$, $M_L=3.9 / 7$,							
KSH	3.6	40	P	05 43 57.0	4.4		CD2	4.0	64	ePn	19 05 09.4	2.1		
			SME			5.0				Pg	19 05 13.4	-3.1		
WMQ	13.2	54	eP	05 46 03.0	-3.4					Sg	19 06 08.7	-2.3		
			S	05 48 27.0	-5.8					SMN		$M_L=3.9$	1.0	0.20
			LN		$M_S=5.0$	16.0	5.85	KMI	4.9	145	Pn	19 05 22.0	1.3	
			LE			15.0	3.51			Pg	19 05 35.0	1.5		
GTA	21.3	75	eP	05 47 40.8	-3.1					Sg	19 06 36.0	-5.1		
			LE		$M_S=4.6$	13.0	1.14			LE		$M_S=3.9$	10.0	1.70
LZH	24.8	82	eP	05 48 19.0	0.3			GYA	6.8	112	Pn	19 05 47.2	0.6	
			PMZ			3.0	0.43			Sg	19 07 47.0	6.8		
CD2	26.2	94	eP	05 48 33.2	1.7					SMN		$M_L=4.0$	1.4	0.080
			LN		$M_S=5.0$	12.0	1.71			SME			1.4	0.050
KMI	27.9	106	eP	05 48 48.5	0.6					LN		$M_S=4.4$	8.0	2.30
			S	05 53 29.0	2.0					LE			8.0	1.10
			LN		$M_S=4.8$	14.0	1.00	LSA	7.4	276	eP	19 06 01.0	4.1	
BTO	29.0	71	eP	05 49 00.0	2.6			LZH	7.7	26	eP	19 06 03.0	1.5	
			pP	05 49 10.5	3.9					LN		$M_S=4.2$	8.0	0.82
			eS	05 53 50.0	4.7					LE			9.0	1.35
			LN		$M_S=4.8$	16.0	0.80	XAN	9.3	56	eP	19 06 20.4	-2.6	
			LE			16.0	0.80			LN		$M_S=4.2$	10.0	1.03
XAN	29.3	85	eP	05 49 00.4	0.4					LE			9.0	0.41
			LN		$M_S=4.5$	14.0	0.80	GTA	10.2	1	eP	19 06 34.0	-1.3	
			LE		$M_S=4.8$	12.0	0.62			LE		$M_S=3.9$	11.0	0.63
HHC	30.2	70	eP	05 49 07.8	0.1			WHN	12.9	80	eP	19 07 12.0	0.2	
			LN		$M_S=4.6$	9.0	0.34	TIY	13.7	48	eP	19 07 23.4	1.2	
			LE			10.0	0.17			LE		$M_S=3.8$	12.0	0.34
GYA	30.3	100	P	05 49 10.4	1.2			QZN	13.8	135	eP	19 07 22.8	-1.1	
			sP	05 49 25.4	2.7			HHC	15.2	37	eP	19 07 47.0	4.8	
			S	05 54 08.4	3.1					LN		$M_S=4.1$	11.0	0.36
			LN		$M_S=4.9$	17.0	1.00	BJI	17.4	47	eP	19 08 12.0	1.9	
			LE			17.0	0.90	WMQ	17.4	330	eP	19 08 07.2	-3.3	
TIY	31.3	76	eP	05 49 18.1	0.7			APR 23d 22h 30m $37.3 \pm 0.12s$, SD2.53 / 15 34.34 N \pm 1.16km, 105.15 E \pm 1.11km, h14 \pm 0.45km Gansu Province (322) $M_L=3.6 / 10$,						
			eS	05 54 26.0	5.3			LZH	2.0	329	Pn	22 31 12.5	0.5	
			LN		$M_S=5.1$	16.0	1.57			Pg	22 31 15.0	1.6		
			LE			16.0	1.03			Sg	22 31 42.5	1.1		
BJI	33.8	71	eP	05 49 40.0	1.0					SMN		$M_L=3.8$	1.0	0.44
			eS	05 55 06.0	6.6					SME			1.0	0.94
			LN		$M_S=4.8$	14.0	0.89	XAN	3.1	94	Pn	22 31 27.0	0.0	
			LZ		$M_S=4.4$	16.0	0.59			Pg	22 31 32.7	-0.2		
WHN	34.8	88	eP	05 49 49.5	1.6					Sn	22 32 05.5	-0.7		
			S	05 55 20.0	5.4					Sg	22 32 15.3	-0.6		
			LN		$M_S=5.0$	12.0	0.98			SMN		$M_L=3.7$	1.0	0.28
TIA	35.3	77	eP	05 49 55.4	3.5					SME			1.0	0.24
NJ2	37.9	83	eP	05 50 16.2	2.4			CD2	3.6	199	ePg	22 31 43.7	2.4	
SNY	39.0	67	eP	05 50 25.0	1.6					SMN		$M_L=3.5$	1.0	0.14
SSE	40.1	84	+P	05 50 36.0	3.9			GTA	6.6	321	-iPn	22 32 13.8	-1.1	
			LN		$M_S=4.7$	15.0	0.54	TIY	6.8	58	ePg	22 32 38.2	0.7	
APR 23d 06h 48m $49.3 \pm 0.20s$, SD4.03 / 9 40.46 N \pm 1.36km, 78.38 E \pm 1.65km, h26 \pm 1.05km Southern Xinjiang Province (321) $M_L=4.1 / 5$,							APR 24d 02h 37m $25.5 \pm 0.09s$, SD1.43 / 91 13.72 N \pm 1.23km, 124.88 E \pm 1.77km, h43 \pm 0.30km Luzon (249)							
KSH	2.1	244	Pn	06 49 22.1	-1.5					eSg	22 34 04.7	-5.5		
			Sg	06 49 49.0	-6.7					Pg	22 33 01.6	3.4		
			SMN			$M_L=4.0$	0.5							
			SME				0.5							

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M _s 5.2/46, m _b 5.3/10, m _b 5.2/1,													
QZH	12.6	333	eP	02 40 23.0	-2.4					S	02 48 22.0	0.2	15.0 2.20
GZH	14.4	312	eP	02 40 49.0	0.9					LN	M _g =5.1	16.0 1.10	
			LN			M _g =5.4	16.0 11.6	CN2	30.0 1	eP	02 43 32.0	-0.5	
			LE				16.0 11.1			pP	02 43 42.0	-1.3	
QZN	15.4	292	eP	02 41 03.0	2.0					eS	02 48 24.0	-2.0	
			eS	02 43 52.0	2.2					LN	M _g =5.3	11.0 2.20	
			sS	02 44 04.0	0.6			MDJ	31.0 7	eP	02 43 41.7	-0.3	
			LN			M _g =5.1	16.0 6.30			S	02 48 45.0	3.0	
SSE	17.6	349	P	02 41 30.5	0.9					SS	02 50 31.0	2.8	
			PMZ			m _b =5.5	5.0 1.29			LZ	M _g =4.8	24.0 2.50	
			LN			M _g =5.2	12.0 3.50	GTA	33.8 324	P	02 44 05.8	-0.2	
			LE				12.0 4.10			S	02 49 27.5	2.7	
NJ2	19.1	344	+P	02 41 48.4	1.2					SMN	m _b =5.3	10.0 0.46	
			LN			M _g =5.1	10.0 1.07			SME		12.0 0.59	
			LE				11.0 2.74			LN	M _g =5.1	12.0 1.36	
			LZ			M _g =4.7	13.0 2.09			LZ	M _g =5.0	15.0 2.37	
WHN	19.3	332	eP	02 41 50.5	0.1			LSA	35.0 303	P	02 44 15.5	-1.0	
			eS	02 45 26.0	5.3					sP	02 44 35.0	3.4	
			LN			M _g =4.9	12.0 2.44			S	02 49 48.0	5.0	
			LZ			M _g =5.0	16.0 5.39			SMN	m _b =5.3	9.0 0.53	
GYA	21.2	309	P	02 42 11.0	0.5					sS	02 50 08.0	5.5	
			sP	02 42 24.0	-1.6					LN	M _g =5.0	9.0 0.44	
			LN			M _g =5.4	12.0 5.20			LE		14.0 1.03	
			LE				12.0 2.40	WMQ	43.7 321	eP	02 45 30.5	2.0	
TIA	23.4	344	eP	02 42 32.0	-0.1					S	02 52 00.0	6.1	
			S	02 46 43.2	5.1					LN	M _g =5.8	16.0 4.46	
			LN			M _g =5.3	10.0 1.84			LE		15.0 3.74	
			LE				10.0 2.48			LZ	M _g =5.5	15.0 4.64	
KMI	23.7	302	+P	02 42 35.5	0.6			KSH	50.0 310	eP	02 46 19.0	0.9	
			sP	02 42 48.0	-2.0					eS	02 53 21.0	-3.6	
			sS	02 47 05.0	3.8					LN	M _g =5.7	14.0 3.00	
			LN			M _g =5.4	14.0 6.00						
			LZ			M _g =5.0	16.0 4.10						
XAN	24.9	327	P	02 42 45.0	-1.0			APR 24d 15h 59m 10.4±0.08s, SD0.93/75					
			S	02 47 08.0	5.5			51.94 N±2.27km, 175.82 E±1.15km, h32±0.17km					
			LE			M _g =5.4	12.0 4.30	Rat Islands (6)					
DL2	25.2	354	P	02 42 50.0	0.6			M _s 5.0/16,					
			S	02 47 14.0	5.2			MDJ	31.2 275	eP	16 05 28.5	-0.6	
			LE			M _g =5.2	13.0 3.34			S	16 10 30.0	-1.2	
			LZ			M _g =4.7	16.0 1.78			LZ	M _g =4.8	20.0 2.10	
CD2	25.9	315	eP	02 42 55.0	-0.5			CN2	34.1 277	eP	16 05 54.0	-1.0	
TIY	26.3	337	eP	02 42 58.9	-0.8					pP	16 06 04.0	0.0	
			pP	02 43 08.0	-2.2					LN	M _g =5.1	24.0 2.50	
			LN			M _g =5.3	12.5 3.16	SNY	36.4 275	eP	16 06 14.2	0.2	
			LE				12.0 1.13			eS	16 11 48.0	-4.8	
			LZ			M _g =5.2	14.0 4.16	DL2	39.3 273	eP	16 06 39.7	1.3	
BJI	27.3	345	eP	02 43 07.0	-1.5					eS	16 12 37.0	-0.4	
			eS	02 47 45.0	1.7					LZ	M _g =4.5	17.0 0.59	
			eSS	02 49 00.0	-0.5			BJI	42.0 278	eP	16 07 01.0	0.5	
			LE			M _g =5.2	12.0 2.24			eS	16 13 19.0	1.8	
SNY	28.0	358	+iP	02 43 14.9	-0.2					LZ	M _g =4.4	22.0 0.63	
			pP	02 43 25.0	-0.7			TIA	43.8 273	eP	16 07 15.6	0.4	
			S	02 47 56.0	2.0					sP	16 07 28.0	-0.3	
			SME			m _b =5.5	12.0 1.32			eS	16 13 45.0	1.4	
			LN			M _g =5.2	13.0 1.66			LN	M _g =5.1	15.5 1.25	
			LE				14.0 2.21	HHC	44.3 282	eP	16 07 20.0	0.4	
			LZ			M _g =5.0	13.0 2.74			eS	16 13 50.0	-1.4	
LZH	29.2	323	eP	02 43 26.0	0.3					LN	M _g =5.0	16.0 0.63	
			PMZ			m _b =5.2	2.0 0.098			LE		16.0 0.81	
			eS	02 48 15.0	1.1			SSE	44.7 264	eP	16 07 23.7	1.2	
			LE			M _g =5.4	14.0 4.00			eS	16 14 00.0	3.4	
HHC	29.4	339	eP	02 43 27.6	-0.1					LZ	M _g =4.7	20.0 0.94	
			S	02 48 22.5	6.2			BTO	45.4 283	P	16 07 28.5	0.2	
			LN			M _g =5.0	12.5 1.27			sP	16 07 42.0	0.8	
			LE				13.0 0.80			ePP	16 09 15.0	0.4	
			LZ			M _g =4.9	18.0 2.40			eS	16 14 07.0	0.0	
BTO	29.8	337	P	02 43 30.0	-0.7					LN	M _g =5.4	21.0 2.00	



NJ2	45.5	267	LE	16 07 29.0	0.2	20.0	1.70	LN	$M_s = 5.3$	12.0	7.92
TIY	45.7	278	eP	16 07 32.2	1.4			LE		11.0	6.63
			-P	16 07 41.0	1.1			LZ	$M_s = 5.1$	12.0	7.39
			pP	16 09 20.0	2.2			P	20 06 47.4	-0.3	
			PP	16 14 15.0	4.7			pP	20 06 54.8	-1.0	
			S	16 14 33.0	6.5			LN	$M_s = 5.6$	12.0	8.20
			sS					LE		12.0	18.4
			LN	$M_s = 4.6$		12.0	0.28	+P	20 07 07.0	3.3	
			LZ	$M_s = 4.8$		18.0	0.95	S	20 09 57.0	5.5	
WHN	49.3	269	eP	16 07 58.5	-0.2			LN	$M_s = 5.1$	12.0	4.99
			sP	16 08 14.0	2.3			LZ	$M_s = 5.0$	16.0	6.83
XAN	50.3	277	-P	16 08 06.2	0.0			-P	20 07 04.8	-0.2	
LZH	52.0	282	eP	16 08 19.5	0.0			pP	20 07 11.0	-2.3	
GTA	52.2	288	eP	16 08 20.8	-0.3			LN	$M_s = 5.4$	10.0	5.71
			sP	16 08 32.0	-2.1			LE		11.0	7.71
			S	16 15 44.5	3.0			eP	20 07 16.9	0.9	
			sS	16 15 58.0	0.1			sS	20 10 35.0	6.8	
			LN	$M_s = 5.3$		16.0	1.02	LN	$M_s = 5.6$	10.0	11.2
			LE			16.0	1.09	LE		13.0	4.88
			LZ	$M_s = 5.0$		16.0	1.19	LZ	$M_s = 5.4$	12.0	13.7
CD2	55.6	278	P	16 08 45.4	-0.3			eP	20 07 28.0	1.3	
WMQ	56.2	299	P	16 08 50.0	-0.1			PMZ	$m_B = 5.3$	10.0	1.34
			pP	16 08 59.5	0.1			sP	20 07 37.0	-3.9	
			sP	16 09 04.0	0.8			eS	20 10 40.0	5.9	
			S	16 16 37.0	2.2			LN	$M_s = 5.2$	12.0	5.12
			SME			2.5	0.10	LE		12.0	3.15
			LN	$M_s = 5.7$		22.0	3.61	+P	20 07 33.0	1.5	
			LE			24.0	2.24	pP	20 07 41.0	1.0	
GYA	56.9	272	P	16 08 55.0	-0.6			PP	20 07 47.0	1.3	
			pP	16 09 05.0	0.2			eS	20 10 43.0	0.2	
			S	16 16 46.0	1.2			SS	20 11 02.0	-2.0	
KMI	60.3	274	eP	16 09 18.5	-0.9			LE	$M_s = 5.4$	11.0	7.40
KSH	65.5	303	P	16 09 54.0	0.8			LZ	$M_s = 5.3$	15.0	11.5
			eS	16 18 36.0	1.4			eP	20 07 33.0	-0.6	
			LE	$M_s = 5.0$		12.0	0.40	LE	$M_s = 5.7$	10.0	14.5
<p>APR 24d 20h 03m $28.6 \pm 0.08s$, $SD1.56 / 113$ $23.54 N \pm 1.10km$, $121.86 E \pm 1.02km$, $h43 \pm 0.76km$ Taiwan (244) $M_s 5.3 / 50$, $M_L 5.2 / 1$, $m_B 5.4 / 7$,</p>											
QZH	3.3	296	iP	20 04 19.2	0.0			PMZ	$m_B = 5.2$	9.0	1.14
			S	20 04 56.2	-0.4			S	20 10 58.0	-1.6	
			SMN	$M_L = 5.2$		1.0	8.98	LN	$M_s = 5.3$	13.0	5.29
			SME			1.3	7.83	LE		11.5	4.56
			LN	$M_s = 5.3$		4.0	34.4	LZ	$M_s = 5.2$	12.5	6.67
SSE	7.5	356	+P	20 05 16.6	-2.4			eP	20 07 54.8	1.6	
			eS	20 06 45.0	1.6			pP	20 08 03.0	0.9	
			SMN	$m_B = 5.7$		8.0	8.14	LN	$M_s = 5.3$	12.0	4.93
			SME			8.0	3.49	LE		14.0	2.08
			LN	$M_s = 4.9$		16.0	14.2	-P	20 07 57.0	-0.6	
			LZ	$M_s = 5.0$		16.0	15.5	sP	20 08 10.0	-2.4	
GZH	7.8	268	P	20 05 22.0	-1.0			S	20 11 31.0	-0.4	
			LN	$M_s = 5.1$		13.0	7.16	sS	20 11 43.0	-3.3	
			LE			13.0	16.8	LN	$M_s = 5.7$	13.0	13.3
			LZ	$M_s = 5.1$		14.0	16.7	LE		12.0	8.40
NJ2	8.9	343	+iP	20 05 34.8	-2.6			LZ	$M_s = 5.5$	13.0	12.3
			LN	$M_s = 5.3$		9.0	12.4	-P	20 08 02.0	1.4	
			LE			10.0	10.7	PMZ	$m_B = 5.9$	2.0	1.32
			LZ	$M_s = 5.0$		14.0	11.8	sP	20 08 12.0	-3.4	
WHN	9.7	318	+iP	20 05 46.2	-2.0			PP	20 08 16.5	-3.0	
			eS	20 07 34.5	-1.5			SMN	$m_B = 5.4$	5.0	0.70
			LE	$M_s = 5.5$		9.0	19.0	LN	$M_s = 5.6$	14.0	7.68
			LZ	$M_s = 5.5$		12.0	29.0	LE		11.0	7.47
QZN	12.1	250	-P	20 06 21.2	0.3			+P	20 08 03.4	-1.6	
			eS	20 08 35.6	1.0			pP	20 08 13.5	-1.6	
			LN	$M_s = 5.1$		16.0	7.70	eS	20 11 46.0	-0.6	
			LE			15.0	6.50	LN	$M_s = 5.2$	11.0	4.10
TIA	13.3	343	eP	20 06 35.2	-1.8			LZ	$M_s = 5.2$	16.0	8.20
								eP	20 08 20.0	-0.6	
								sP	20 08 33.0	-2.9	
								PP	20 08 48.0	1.9	
								iS	20 12 20.0	4.8	

GTA	24.5	315	LZ	$M_s = 5.3$	15.0	7.30	BTO	93.4	313	eP	01 32 37.0	0.3	
			eP	20 08 46.5	1.1		CD2	93.6	302	eP	01 32 37.8	0.5	
			pP	20 08 54.5	-1.3		APR 25d 06h 11m 33.3 ± 0.11s, SD2.24 / 27						
			eS	20 13 02.5	2.4		58.78 S ± 3.08km, 25.58 W ± 4.04km, h31 ± 0.35km						
			sS	20 13 13.0	-4.4		South Sandwich Islands region (153)						
LSA	28.1	289	LN	$M_s = 5.1$	12.0	2.45	NJ2	144.2	122	ePKP	06 31 04.5	-2.6	
			LZ	$M_s = 5.6$	14.0	11.9	SSE	144.3	126	ePKP	06 31 04.5	-2.9	
			-P	20 09 20.4	1.2		TIY	145.8	109	IPKP	06 31 09.5	-0.6	
			pP	20 09 27.0	-2.4		BTO	146.8	103	ePKP	06 31 12.0	0.2	
			S	20 14 04.0	5.9		TIA	146.8	116	ePKP	06 31 12.3	0.5	
WMQ	34.5	314	LN	$M_s = 4.7$	12.0	0.81	HHC	147.8	105	+PKP	06 31 14.8	1.4	
			P	20 10 16.5	1.0		BJI	149.4	111	ePKP	06 31 19.0	3.1	
			eS	20 15 42.0	1.5		DL2	151.1	119	ePKP	06 31 23.3	4.8	
			LN	$M_s = 5.8$	15.0	5.16	APR 25d 06h 30m 13.0 ± 0.10s, SD1.92 / 23						
			LE		15.0	6.55	58.65 S ± 2.33km, 25.32 W ± 2.65km, h31 ± 0.43km						
KSH	41.8	304	LZ	$M_s = 5.6$	15.0	7.48	South Sandwich Islands region (153)						
			P	20 11 19.0	2.6		TIY	145.7	109	PKP	06 49 48.5	-1.0	
			eS	20 17 32.0	1.1		BTO	146.7	103	ePKP	06 49 52.0	0.7	
APR 24d 20h 49m 32.6 ± 0.16s, SD1.47 / 68							TIA	146.8	116	ePKP	06 49 52.0	0.7	
40.84 N ± 2.87km, 28.29 E ± 2.00km, h16 ± 0.27km							HHC	147.7	104	ePKP	06 49 55.0	2.2	
Turkey (366)							BJI	149.4	110	ePKP	06 49 59.0	3.6	
$M_s 5.0 / 7,$							APR 25d 10h 10m 33.6 ± 0.07s, SD0.96 / 102						
WMQ	43.2	66	+P	20 57 36.5	1.2		7.72 S ± 1.27km, 158.36 E ± 1.73km, h46 ± 0.40km						
			esS	21 04 16.0	4.0		Solomon Islands (193)						
			LZ	$M_s = 4.9$	20.0	1.58	$M_s 5.9 / 38, m_b 6.4 / 53, m_b 6.4 / 3,$						
LSA	51.5	82	eP	20 58 40.5	-0.3		QZH	59.5	311	-iP	10 19 31.0	1.1	
GTA	53.3	66	+P	20 58 53.1	-0.5				PMZ	$m_b = 6.6$	4.0	2.78	
LZH	57.6	68	eP	20 59 25.0	-0.2				pP	10 19 42.5	0.7		
BTO	59.6	61	eP	20 59 38.0	-1.2				S	10 26 36.0	-2.2		
CD2	60.2	73	P	20 59 42.9	-0.2				SME	$m_b = 6.6$	8.0	5.70	
HHC	60.5	60	-P	20 59 45.2	-0.1				sS	10 27 02.0	2.3		
XAN	62.3	68	P	20 59 56.0	-0.9				LN	$M_s = 5.9$	18.0	4.32	
TIY	62.7	63	eP	20 59 59.0	-1.0				LE		24.0	6.08	
			LN	$M_s = 5.3$	13.0	0.64	SSE	52.5	319	+iP	10 19 44.0	-0.6	
			LE		12.0	0.55			PMZ	$m_b = 6.4$	4.0	1.83	
			LZ	$M_s = 5.0$	16.0	0.95			sP	10 20 04.0	2.4		
BJI	64.0	59	P	21 00 07.0	-1.1				iS	10 27 07.0	0.8		
GYA	64.8	76	P	21 00 13.0	-0.7				SMN	$m_b = 6.6$	8.0	4.88	
TIA	66.7	62	-P	21 00 25.3	-0.4				SME		8.0	4.00	
CN2	67.6	51	eP	21 00 30.5	-1.0				ScS	10 29 29.0	3.0		
SNY	67.6	54	eP	21 00 31.4	-0.2				SS	10 30 48.0	6.3		
WHN	68.0	68	eP	21 00 30.0	-4.0				LE	$M_s = 5.6$	17.0	3.19	
NJ2	70.3	64	eP	21 00 47.5	-0.3				LZ	$M_s = 5.7$	20.0	7.87	
SSE	72.4	64	eP	21 01 00.2	-0.7		GZH	53.6	306	-P	10 19 54.0	1.0	
			pP	21 01 05.8	-1.5				sP	10 20 07.5	-2.6		
			LE	$M_s = 5.0$	12.0	0.29			S	10 27 21.0	0.6		
			LZ	$M_s = 5.1$	16.0	0.89			sS	10 27 38.0	-4.1		
APR 25d 01h 19m 28.7 ± 0.07s, SD0.67 / 49									LE	$M_s = 5.9$	16.0	5.20	
23.83 S ± 0.87km, 176.70 W ± 1.57km, h86 ± 0.27km							NJ2	54.6	319	-iP	10 20 00.0	-0.4	
South of Fiji (171)									PMZ	$m_b = 6.4$	4.5	2.31	
QZH	79.2	303	+P	01 31 26.8	0.0				pP	10 20 14.0	1.5		
SSE	80.7	310	eP	01 31 34.5	-0.4				iS	10 27 41.0	5.9		
NJ2	82.9	309	+P	01 31 45.5	-0.7				SMN	$m_b = 6.8$	6.5	7.80	
MDJ	83.9	325	-P	01 31 51.5	0.3		QZN	54.7	300	-iP	10 20 01.0	0.0	
WHN	85.4	306	eP	01 31 58.5	0.0				sP	10 20 21.5	3.4		
SNY	85.5	320	+P	01 31 58.8	-0.4				PcP	10 21 04.0	1.8		
CN2	85.7	322	eP	01 31 59.0	-0.9				PP	10 22 05.0	0.9		
BJI	89.1	315	eP	01 32 16.0	-0.4				S	10 27 31.5	-3.5		
GYA	89.3	299	P	01 32 18.2	0.5				SS	10 31 16.5	-1.0		
TIY	90.4	311	-iP	01 32 23.0	0.4				LE	$M_s = 5.9$	22.0	7.60	
			SKS	01 42 46.5	3.6		WHN	56.8	314	-iP	10 20 16.0	-0.1	
			S	01 43 10.5	4.1				PMZ	$m_b = 6.5$	4.0	2.50	
XAN	91.1	307	-P	01 32 26.0	0.1				pP	10 20 28.0	-0.2		
KMI	91.9	297	-P	01 32 31.0	1.1				S	10 28 08.0	5.0		
HHC	92.5	314	eP	01 32 32.8	0.3				SMN	$m_b = 6.4$	9.0	5.18	

		LN		$M_s = 5.6$	16.0	2.73			SME		$m_B = 6.6$	9.0	7.38	
		LZ		$M_s = 5.8$	28.0	10.9			LN		$M_s = 6.1$	20.0	7.08	
DL2	57.6	326	-iP	10 20 20.0	-1.5				LE			14.0	2.92	
			S	10 28 15.0	2.0		BTO	65.5	321	-iP	10 21 15.0	0.1		
			sS	10 28 40.0	5.2				PMZ		$m_B = 6.3$	5.0	2.10	
			LN						pP	10 21 31.0	4.0			
			LE						ePP	10 23 42.0	1.9			
MDJ	58.2	336	-P	10 20 26.0	0.1				PPMZ			7.0	1.60	
			PMZ						S	10 29 52.5	-0.7			
			sP	10 20 45.5	2.5				SMN		$m_B = 6.1$	10.0	1.60	
			iS	10 28 26.0	3.6				SME			10.0	1.50	
			SMN						sS	10 30 21.0	5.7			
TIA	58.4	321	-P	10 20 26.1	-1.1				SS	10 34 09.0	0.1			
			sP	10 20 45.0	0.7				LN		$M_s = 6.0$	20.0	3.90	
			SMN						LE			22.0	6.00	
			SME						LZ		$M_s = 5.8$	20.0	5.90	
SNY	58.7	330	-iP	10 20 28.0	-1.3		LZH	67.2	314	-iP	10 21 27.0	1.2		
			PMZ						PMZ		$m_B = 6.5$	5.0	3.20	
			pP	10 20 41.0	-0.4				pP	10 21 40.0	2.1			
			sP	10 20 47.5	1.1				S	10 30 19.0	5.1			
			PcP	10 21 18.0	0.3				SME		$m_B = 6.7$	6.0	5.83	
			iS	10 28 28.0	-0.8				LE		$M_s = 6.0$	21.0	6.80	
			SMN				GTA	71.6	316	-iP	10 21 53.2	0.6		
			SME						pP	10 22 06.0	1.3			
			LN						sP	10 22 12.0	2.2			
			LE						S	10 31 06.0	0.5			
			LZ						SMN		$m_B = 6.7$	7.0	3.51	
CN2	59.3	333	-iP	10 20 32.7	-1.0				SME			9.0	5.20	
			PMZ						LN		$M_s = 5.8$	19.0	3.49	
			pP	10 20 50.7	4.9				LZ		$M_s = 5.9$	24.0	7.43	
			eS	10 28 34.0	-3.0		LSA	74.4	304	-P	10 22 09.5	-0.4		
			SS	10 32 31.0	-1.4				pP	10 22 25.0	3.4			
			LZ						S	10 31 44.0	6.0			
GYA	60.6	306	-P	10 20 42.4	0.0				SME		$m_B = 6.3$	9.0	2.82	
			PMZ						-iP	10 22 49.6	0.4			
			pP	10 20 56.0	1.7				PMZ		$m_B = 6.7$	5.0	4.95	
			S	10 28 55.0	3.2		WMQ		pP	10 23 02.5	1.1			
			LN						PP	10 26 02.0	5.1			
BJI	61.4	324	-P	10 20 47.0	-1.1				SKS	10 33 00.0	1.0			
			PMZ						LZ		$M_s = 5.9$	24.0	6.40	
			eS	10 29 03.0	-1.1				iP	10 23 28.0	1.9			
			LN				KSH	89.1	310	pP	10 23 43.0	4.6		
			LE						iS	10 34 15.0	5.6			
TIY	62.3	320	-iP	10 20 53.0	-0.8				SMN		$m_B = 6.8$	9.0	9.30	
			sP	10 21 13.0	2.1				LE		$M_s = 6.1$	18.0	4.50	
			S	10 29 18.0	4.6									
			SMN											
			SME											
XAN	62.6	315	SS	10 33 20.0	1.2									
			-iP	10 20 55.0	-0.8									
			sP	10 21 13.0	0.1									
			PP	10 23 13.0	-1.2									
			S	10 29 13.0	-4.1									
			LE											
KMI	63.2	303	-iP	10 21 00.5	0.3									
			pP	10 21 14.0	1.9									
			sP	10 21 20.0	2.9									
			iS	10 29 30.0	3.3									
			LE											
HHC	64.7	322	-iP	10 21 10.0	0.3									
			S	10 29 48.0	4.6									
			SMN											
			SME											
			LN											
			LE											
CD2	64.8	309	-iP	10 21 10.4	-0.3									
			pP	10 21 25.0	2.1									
			iS	10 29 40.0	-6.8									

APR 25d 12h 59m $12.5 \pm 0.11s$, SD1.38 / 68
 1.81 N \pm 1.16km, 126.56 E \pm 1.69km, h73 \pm 0.96km
 Molucca Passage (266)

QZN	23.7	317	P	13 04 19.4	0.9
QZH	24.2	342	eP	13 04 24.0	0.1
WHN	30.8	339	eP	13 05 23.5	-0.6
NJ2	30.9	347	eP	13 05 23.0	-2.1
TIA	35.3	347	eP	13 06 02.3	-0.7
XAN	36.1	335	P	13 06 08.0	-1.2
CD2	36.1	326	P	13 06 09.0	-0.6
DL2	37.2	354	eP	13 06 21.0	2.3
TIY	38.0	342	eP	13 06 25.5	-0.2
BJI	39.2	347	eP	13 06 35.5	0.1
SNY	39.9	357	eP	13 06 41.8	0.4
LZH	40.1	331	eP	13 06 42.5	-0.4
HHC	41.2	343	eP	13 06 52.0	0.3
BTO	41.4	341	eP	13 06 55.0	1.2
MDJ	42.7	3	eP	13 07 05.1	0.8
GTA	44.7	330	P	13 07 20.1	-0.1
WMQ	54.2	326	P	13 08 33.5	0.2
KSH	59.3	316	eP	13 09 12.0	2.2

APR 25d 13h 40m 04.1±0.10s, SD2.24 / 76 30.46 N±1.21km, 103.27 E±1.10km, h13±0.06km Sichuan Province (307) M _S 4.6 / 23, M _L 4.7 / 12,							TIY 24.3 57 eP 16 09 15.5 1.0 CN2 35.5 51 eP 16 10 55.5 0.7
KMI 5.3 185 Pn 13 41 28.0 3.9 LZ M _S =4.9 6.0 7.30 XAN 6.0 52 Pn 13 41 32.7 0.0 Sn 13 42 47.0 3.9 Sg 13 43 16.7 5.4 SMN M _L =4.6 0.6 0.54 SME 0.6 0.44 GTA 9.4 343 eP 13 42 23.0 0.8 SS 13 44 15.5 -5.4 LN M _S =4.3 11.0 1.75 WHN 9.6 87 P 13 42 24.0 -0.7 S 13 44 11.0 -1.9 SME 1.0 0.13 LE M _S =4.6 8.0 2.16 LZ M _S =4.8 10.0 4.44 TIY 10.5 44 eP 13 42 35.6 -2.0 LN M _S =4.4 9.0 0.63 LE 5.0 0.85 LSA 10.5 269 -P 13 42 35.8 -2.7 S 13 44 36.0 -0.5 LN M _S =4.9 9.0 1.40 LE 8.0 3.86 BTO 11.5 27 eP 13 42 50.5 -1.1 LN M _S =4.3 10.0 0.50 LE 10.0 1.00 LZ M _S =4.2 10.0 0.90 GZH 11.6 127 eP 13 42 50.0 -2.8 LZ M _S =4.7 11.0 3.50 HHC 12.4 31 eP 13 43 02.2 -0.9 S 13 45 20.0 -1.2 LN M _S =4.5 8.0 0.98 LE 8.0 0.63 QZN 12.8 151 eP 13 43 10.6 1.1 eS 13 45 36.2 2.8 LN M _S =4.6 10.0 0.80 LE 11.0 1.60 NJ2 13.4 79 +P 13 43 15.6 -1.6 LN M _S =4.9 8.0 1.23 LE 9.0 2.54 LZ M _S =4.2 11.0 1.00 BJI 14.2 44 eP 13 43 27.0 -0.6 LN M _S =4.9 4.5 0.82 LE 5.0 1.13 QZH 14.6 108 eP 13 43 33.4 0.3 SSE 15.4 83 P 13 43 46.5 3.2 DL2 17.3 56 eP 13 44 10.5 3.6 WMQ 18.2 321 P 13 44 17.5 -0.7 S 13 47 40.0 2.6 LN M _S =4.6 9.0 0.73 LE 10.0 0.66 SNY 19.9 50 eP 13 44 38.0 -0.4 CN2 22.1 47 eP 13 45 01.0 0.4 KSH 24.1 299 eP 13 45 23.5 2.8 sP 13 45 30.5 1.1 eS 13 49 40.0 4.9 LE M _S =4.6 10.0 0.60 MDJ 25.1 48 eP 13 45 29.0 -1.1	APR 25d 16h 40m 31.1±0.11s, SD1.94 / 36 13.72 N±1.40km, 125.08 E±2.41km, h38±0.43km Luzon (249) M _S 4.2 / 5, m _B 4.9 / 1, QZN 15.5 292 eP 16 44 10.0 0.7 eS 16 47 03.0 2.7 LE M _B =4.2 15.0 0.80 SSE 17.7 349 eP 16 44 37.0 1.0 sS 16 48 05.0 2.6 LE M _B =4.2 10.0 0.44 NJ2 19.1 344 eP 16 44 53.5 -0.3 WHN 19.4 331 eP 16 44 58.5 1.1 SME m _B =4.9 8.0 0.39 KMI 23.9 302 eP 16 45 45.5 2.8 XAN 25.0 327 eP 16 45 51.5 -1.6 sS 16 50 32.0 4.0 CD2 26.0 315 eP 16 46 01.8 -1.1 TIY 26.4 337 eP 16 46 06.2 -0.3 LN M _S =4.3 12.0 0.35 BJI 27.4 345 eP 16 46 13.0 -2.1 GTA 33.9 324 eP 16 47 12.8 -0.4						
APR 25d 17h 40m 05.7±0.09s, SD1.64 / 42 36.70 N±1.31km, 72.67 E±1.39km, h56±0.31km Afghanistan-USSR border region (717) M _S 4.4 / 7, M _L 4.6 / 2,							KSH 3.8 41 P 17 41 07.5 3.8 WMQ 13.5 54 eP 17 43 14.0 -2.4 S 17 45 41.0 -3.1 LN M _S =4.6 19.0 2.65 LE 16.0 1.57 GTA 21.5 75 +iP 17 44 52.5 0.2 LE M _S =4.2 9.0 0.29 LZH 25.1 82 eP 17 45 28.0 1.2 BTO 29.3 71 eP 17 46 06.0 0.6 pP 17 46 18.0 -0.4 eS 17 50 56.0 3.2 LN M _S =4.5 14.0 0.30 LE 14.0 0.40 LZ M _S =4.5 14.0 0.80 XAN 29.6 84 eP 17 46 08.0 0.1 HHC 30.4 70 eP 17 46 16.0 0.4 GYA 30.6 100 P 17 46 17.6 0.8 TIY 31.5 76 +P 17 46 27.9 2.7 LN M _S =4.4 13.0 0.32 BJI 34.0 71 P 17 46 47.0 0.2 WHN 35.0 88 P 17 46 55.0 -0.5
APR 25d 18h 53m 42.6±0.17s, SD1.08 / 53 7.76 S±1.07km, 158.33 E±1.32km, h65±1.78km Solomon Islands (193)							QZH 50.5 311 +P 19 02 38.1 1.2 NJ2 54.6 319 eP 19 03 07.0 -0.4 WHN 56.8 314 eP 19 03 23.0 0.0 TIA 58.4 321 eP 19 03 32.5 -1.7 CN2 59.3 333 eP 19 03 39.5 -1.2 pP 19 03 53.0 -4.3 GYA 60.6 306 P 19 03 50.0 0.8 BJI 61.4 324 eP 19 03 52.0 -3.0 TIY 62.3 320 eP 19 04 01.6 0.9 XAN 62.6 315 P 19 04 02.0 -0.7 KMI 63.2 303 +P 19 04 08.0 1.0 HHC 64.7 322 eP 19 04 16.5 -0.1 CD2 64.8 309 eP 19 04 17.3 -0.2 BTO 65.5 321 eP 19 04 21.8 0.0
APR 25d 16h 04m 01.8±0.07s, SD1.42 / 26 26.86 N±1.04km, 86.63 E±0.71km, h65±0.23km Nepal-India border region (309)							
LSA 4.9 54 eP 16 05 16.0 0.8 GYA 17.9 87 P 16 08 08.2 -0.2 XAN 20.5 64 P 16 08 36.1 -0.9							



APR 26d 01h 32m 58.2 ± 0.09s, SD1.49 / 24 13.53 N ± 1.13km, 125.21 E ± 1.89km, h34 ± 0.45km Luzon (249) M _s 4.5 / 3,							PMZ m _B = 5.9 pP 01 58 32.0 -2.4 8.0 1.16 sP 01 58 35.5 -1.7 ePP 02 00 58.0 0.5 eS 02 07 24.0 1.8 SME m _B = 5.9 6.0 0.66 sS 02 07 36.0 4.1 ScS 02 08 16.0 -5.7 eSS 02 11 40.0 -2.0 LE M _S = 5.7 14.0 1.93 LZ M _S = 5.5 19.0 2.55										
SSE	17.9	349	eP	01 37 07.0	0.9		NJ2	67.6	295	-P	01 58 31.5	0.6					
			LE		M _S = 4.5	12.0	0.98			S	02 07 26.0	0.8					
WHN	19.7	331	eP	01 37 28.0	0.6				LN		M _S = 5.7	14.0	1.35				
XAN	25.2	327	P	01 38 22.0	-0.8				LE			14.0	1.53				
DL2	25.5	353	eP	01 38 26.0	0.8				LZ		M _S = 5.2	20.0	1.65				
TIY	26.6	337	+iP	01 38 37.2	1.1			GTA	69.8	313	P	01 58 43.8	-1.1				
GTA	34.1	324	eP	01 39 43.2	0.5						pP	01 58 48.4	-2.1				
APR 26d 01h 47m 31.5 ± 0.14s, SD1.90 / 94 57.94 N ± 3.41km, 142.83 W ± 2.50km, h12 ± km Gulf of Alaska (15) M _S 5.9 / 41, m _B 5.9 / 15,																	
MDJ	52.5	296	+iP	01 56 52.0	4.4						SMN		m _B = 5.8	5.5	0.49		
			iS	02 04 14.0	0.9						LE		M _S = 5.9	16.0	3.27		
			SME			16.0	2.10			WMQ	70.2	324	eP	01 58 46.5	-0.9		
			LZ		M _S = 5.5	26.0	5.50						pP	01 58 52.0	-1.0		
CN2	55.1	298	P	01 57 04.8	-1.8								eS	02 08 00.0	1.8		
			PMZ		m _B = 6.0	5.0	1.10						LE		M _S = 5.9	16.0	3.37
			PP	01 59 08.0	-2.6					XAN	70.6	303	P	01 58 48.2	-1.2		
			eS	02 04 45.0	-3.0								pP	01 58 53.0	-2.1		
SNY	57.5	298	-P	01 57 23.0	-0.8								PP	02 01 24.0	-2.8		
			pP	01 57 27.5	-2.1								eS	02 07 57.0	-5.1		
			S	02 05 19.0	0.4								LN		M _S = 6.2	14.0	3.08
			SME		m _B = 5.8	6.0	0.73						LE			14.0	4.42
			sS	02 05 25.5	-3.9					WHN	71.0	297	-iP	01 58 55.5	3.6		
			LN		M _S = 5.9	18.0	2.85						eS	02 08 07.0	0.2		
			LE			16.0	4.52						LN		M _S = 5.6	16.0	1.80
			LZ		M _S = 5.5	18.0	3.33			LZH	71.0	308	P	01 58 53.0	0.6		
DL2	60.7	297	P	01 57 45.0	-1.0								sP	01 59 03.0	2.3		
			eS	02 06 00.0	-1.5								eS	02 08 05.0	-2.7		
			LN		M _S = 5.9	15.0	3.24						SMN		m _B = 6.4	6.0	1.83
			LE			18.0	3.59						LN		M _S = 6.4	16.0	6.59
			LZ		M _S = 5.5	18.0	3.16						LE			20.0	12.1
BJI	62.4	302	eP	01 57 56.0	-1.0					QZH	73.6	291	+P	01 59 11.5	4.2		
			eS	02 06 23.0	0.8								PMZ		m _B = 6.3	4.0	1.30
			LN		M _S = 5.7	17.0	2.91						S	02 08 35.5	0.5		
			LZ		M _S = 5.6	21.0	4.92						SME		m _B = 5.8	6.0	0.46
HHC	63.8	305	eP	01 58 06.0	-0.4								LE		M _S = 5.6	12.0	1.13
			S	02 06 40.0	1.6					CD2	75.5	305	eP	01 59 18.1	-0.4		
BTO	64.6	306	P	01 58 12.0	-0.1								pP	01 59 29.0	4.9		
			sP	01 58 20.0	-0.5								eS	02 08 53.0	-5.1		
			ePP	02 00 38.5	3.3								sS	02 09 12.0	4.5		
			S	02 06 52.0	2.8								LE		M _S = 6.3	14.0	6.52
			sS	02 07 00.0	-0.1								LZ		M _S = 5.9	15.0	4.59
			LN		M _S = 6.4	16.0	10.7			KSH	77.6	330	P	01 59 35.0	4.5		
			LE			16.0	7.90						eS	02 09 27.0	5.6		
			LZ		M _S = 6.2	16.0	13.6						eSKS	02 09 40.0	2.6		
TIA	65.0	299	P	01 58 14.2	-0.3								LE		M _S = 6.1	15.0	4.60
			eS	02 06 58.0	2.7					GZH	77.7	294	eP	01 59 35.0	4.1		
			LN		M _S = 5.9	15.0	1.80						eS	02 09 19.0	-3.3		
			LE			15.0	3.60			GYA	78.0	301	P	01 59 32.0	-0.7		
TIY	65.9	303	eP	01 58 17.9	-2.6								PP	02 02 32.0	2.2		
			pP	01 58 25.0	-1.3								S	02 09 25.0	1.1		
			sP	01 58 30.5	1.5								LN		M _S = 6.1	18.0	3.50
			PP	02 00 46.5	-0.5								LE			18.0	3.40
			S	02 07 07.0	1.7					KMI	81.0	303	-iP	01 59 52.0	3.4		
			sS	02 07 19.0	2.7								pP	01 59 59.0	5.0		
			SS	02 11 19.0	-2.6								LE		M _S = 6.1	16.0	4.80
			LN		M _S = 6.2	13.0	5.20			LSA	81.7	315	P	01 59 53.4	0.6		
			LE			13.0	4.02						PP	02 03 05.3	5.0		
			LZ		M _S = 5.9	18.0	6.91						S	02 10 08.0	5.5		
SSE	67.2	292	eP	01 58 27.5	-1.1								LN		M _S = 5.8	18.0	2.03

QZN	82.9 294	LE		13.0	1.07
		eP	01 59 58.0	-0.4	
		PP	02 03 10.0	0.4	
		eS	02 10 16.0	-0.1	
		SS	02 15 41.0	0.2	
		LE	$M_s = 5.7$	16.0	1.60

BJI	8.0 71	SMN	$M_L = 3.8$	0.3	0.10
		SME		0.8	0.098
		LN		2.0	0.32
		ePg	15 18 51.0	3.1	
		SMN	$M_L = 3.4$	0.5	0.010
		SME		0.5	0.010

APR 26d 11h 42m $02.2 \pm 0.08s$, SD1.20 / 47
 25.60 N $\pm 1.48km$, 142.70 E $\pm 1.67km$, h33 $\pm 0.31km$
 Volcano Islands region (213)
 $M_s 4.1 / 2$,

SSE	19.7 291	eP	11 46 32.0	0.2	
		eSS	11 50 40.0	6.1	
NJ2	21.8 293	eP	11 46 54.0	0.1	
SNY	22.6 320	eP	11 47 02.4	0.8	
CN2	23.0 327	eP	11 47 06.0	0.9	
TIA	24.3 302	eP	11 47 17.1	-1.0	
WHN	25.5 288	eP	11 47 30.5	1.3	
BJI	26.4 310	eP	11 47 38.0	-0.1	
TIY	28.3 303	eP	11 47 57.9	2.3	
		LZ	$M_s = 4.0$	14.0	0.24
XAN	30.4 294	P	11 48 13.0	-0.9	
GVA	32.3 280	P	11 48 31.0	-0.1	
CD2	34.6 288	eP	11 48 49.8	-0.8	
LZH	34.8 297	eP	11 48 52.0	-0.2	
KMI	36.0 278	eP	11 49 03.0	0.0	
GTA	38.4 302	eP	11 49 21.0	-1.4	
WMQ	47.8 307	P	11 50 39.5	0.3	

APR 26d 17h 36m $55.5 \pm 0.02s$, SD1.20 / 6
 37.86 N $\pm 0.16km$, 101.77 E $\pm 0.13km$, h12 $\pm 0.04km$
 Qinghai Province (325)
 $M_L 3.3 / 4$,

GTA	2.2 316	iPn	17 37 32.2	0.0	
		Sn	17 38 00.0	-0.7	
		SMN	$M_L = 3.1$	0.8	0.14
		SME		0.8	0.15

APR 26d 21h 07m $20.7 \pm 0.10s$, SD0.88 / 25
 7.76 S $\pm 0.50km$, 158.29 E $\pm 0.93km$, h66 $\pm 0.98km$
 Solomon Islands (193)

NJ2	54.6 319	eP	21 16 45.5	0.2	
WHN	56.8 314	P	21 17 01.0	0.1	
XAN	62.5 315	-P	21 17 39.8	-0.8	
LZH	67.2 314	eP	21 18 11.0	0.4	
GTA	71.5 316	-iP	21 18 37.7	0.3	
WMQ	81.6 316	P	21 19 34.2	0.3	

APR 26d 22h 11m $38.9 \pm 0.07s$, SD1.17 / 25
 51.45 N $\pm 1.63km$, 174.99 E $\pm 1.05km$, h38 $\pm 0.86km$
 Aleutian Islands region (16)
 $M_s 4.7 / 1$,

BTO	45.0 283	eP	22 19 54.0	0.9	
		pP	22 20 04.5	1.3	
		eS	22 26 29.0	0.4	
		LN	$M_s = 4.7$	14.0	0.30
		LE		14.0	0.30
WHN	48.8 269	P	22 20 22.5	-0.1	
LZH	51.6 282	eP	22 20 45.0	0.6	
GTA	51.9 288	+P	22 20 46.4	-0.1	
WMQ	56.0 299	P	22 21 16.6	0.1	

APR 26d 15h 16m $26.6 \pm 0.10s$, SD2.54 / 19
 37.88 N $\pm 1.07km$, 106.29 E $\pm 0.98km$, h24 $\pm 0.29km$
 Northern China (323)
 $M_s 3.5 / 2$, $M_L 3.9 / 18$,

LZH	2.7 228	ePn	15 17 11.5	2.9	
		Pg	15 17 15.0	1.4	
		Sg	15 17 52.0	2.0	
		SMN	$M_L = 3.9$	1.5	0.49
		SME		1.5	0.62
BTO	4.0 46	ePn	15 17 25.8	-0.8	
		Pg	15 17 34.8	-1.9	
		Sn	15 18 12.2	-1.8	
		Sg	15 18 26.3	-4.7	
		SMN	$M_L = 3.9$	0.6	0.23
		SME		0.6	0.31
		SMZ	$M_L = 3.9$	0.6	0.18
XAN	4.4 150	ePn	15 17 33.2	0.9	
		Pg	15 17 42.2	-2.0	
		Sg	15 18 39.4	-4.9	
		SMN	$M_L = 3.8$	1.4	0.22
		SME		1.2	0.14
		LN	$M_s = 3.3$	8.0	0.20
		LE		8.0	0.41
TIY	4.9 90	ePn	15 17 37.4	-1.6	
		Pg	15 17 53.0	0.4	
		Sn	15 18 35.5	-0.9	
		SMN	$M_L = 4.2$	0.8	0.36
		SME		0.6	0.21
		LN	$M_s = 3.7$	6.0	0.46
		LE		6.5	0.45
HHC	5.0 52	ePn	15 17 42.8	1.3	
		Pg	15 17 57.0	1.2	
		Sg	15 18 58.0	-6.9	
		SMN	$M_L = 4.4$	0.6	0.36
		SME		0.6	0.48
GTA	5.3 289	Pn	15 17 45.5	0.7	
		Pg	15 18 07.0	6.9	
		Sn	15 18 46.0	-0.8	
		Sg	15 19 13.4	0.9	

APR 27d 05h 43m $40.0 \pm 0.12s$, SD2.63 / 11
 37.71 N $\pm 1.19km$, 106.35 E $\pm 1.01km$, h6 $\pm 0.12km$
 Northern China (323)
 $M_L 3.5 / 13$,

LZH	2.6 232	ePg	05 44 26.0	0.2	
		eSg	05 44 59.5	-1.2	
		SMN	$M_L = 3.4$	1.5	0.20
		SME		1.5	0.19
BTO	4.1 44	Pn	05 44 47.0	4.0	
		Sn	05 45 36.9	4.1	
		SMN	$M_L = 3.5$	0.6	0.070
		SME		0.6	0.11
		SMZ	$M_L = 3.5$	0.6	0.070
XAN	4.2 150	ePn	05 44 45.0	-0.1	
		SMN	$M_L = 2.9$	0.6	0.020
		SME		0.4	0.020
TIY	4.8 88	ePg	05 45 04.8	-0.6	
		SMN	$M_L = 3.5$	0.8	0.080
		SME		0.7	0.050
HHC	5.1 51	Pg	05 45 10.3	-0.3	
		Sg	05 46 19.3	-1.1	
		SMN	$M_L = 3.7$	0.6	0.092
GTA	5.4 290	Pg	05 45 13.6	-1.9	
		SMN	$M_L = 3.3$	0.7	0.032
		SME		0.7	0.031

APR 27d 07h 00m $05.1 \pm 0.10s$, SD1.49 / 46
 13.59 N $\pm 1.77km$, 125.00 E $\pm 1.93km$, h35 $\pm 0.29km$



Luzon (249)				QZH						
$M_s 4.7 / 21, m_b 5.2 / 3,$				22.4	340	eP	08 10 23.0	-0.4		
QZN	15.5	292	eP	07 03	45.0	1.8				
			eS	07 06	35.0	0.7				
			SS	07 06	57.5	5.4				
			LN		$M_s = 4.6$	16.0	1.90			
SSE	17.8	349	eP	07 04	12.0	0.4				
			ePP	07 04	27.0	1.0				
			S	07 07	24.0	-1.5				
			sS	07 07	33.0	-5.6				
			LN		$M_s = 4.7$	12.0	0.87			
			LE			12.0	1.16			
			LZ		$M_s = 4.2$	16.0	0.97			
NJ2	19.2	344	eP	07 04	31.5	2.3				
			S	07 08	00.0	2.0				
			LN		$M_s = 4.5$	12.0	0.30			
			LE			13.0	0.95			
			LZ		$M_s = 4.1$	12.0	0.55			
WHN	19.5	331	eP	07 04	33.5	1.0				
			S	07 08	12.0	6.9				
			SMN		$m_b = 5.2$	8.0	0.79			
			LE		$M_s = 4.6$	14.0	1.30			
			LZ		$M_s = 4.5$	12.0	1.20			
TIA	23.6	344	eP	07 05	14.5	0.5				
			S	07 09	25.0	2.9				
			LN		$M_s = 4.7$	13.0	0.48			
			LE			13.0	0.90			
KMI	23.9	302	+P	07 05	17.0	0.0				
			S	07 09	27.0	0.0				
XAN	25.0	327	P	07 05	27.0	-1.1				
			eS	07 09	46.0	-1.6				
TIY	26.5	337	eP	07 05	40.3	-1.4				
			S	07 10	13.5	2.8				
			LN		$M_s = 5.0$	12.0	0.70			
			LE			15.0	1.82			
			LZ		$M_s = 4.4$	18.0	0.97			
BJI	27.5	345	eP	07 05	49.0	-1.4				
			eS	07 10	25.0	-2.1				
			LN		$M_s = 4.6$	14.0	0.70			
SNY	28.2	358	eP	07 05	57.0	0.3				
			S	07 10	37.0	-0.4				
			LN		$M_s = 4.8$	18.0	0.89			
			LE			15.0	0.98			
			LZ		$M_s = 4.5$	16.0	1.06			
LZH	29.4	323	eP	07 06	07.5	-0.2				
			LN		$M_s = 4.9$	16.0	0.77			
			LE			16.0	1.10			
BTO	29.9	337	eP	07 06	12.0	-0.6				
			eS	07 11	06.0	-0.8				
			LN		$M_s = 4.6$	12.0	0.30			
			LE			12.0	0.40			
CN2	30.1	1	eP	07 06	15.0	1.0				
			pP	07 06	27.0	3.5				
			LZ		$M_s = 4.5$	15.0	0.80			
GTA	34.0	324	eP	07 06	46.6	-1.4				
			LN		$M_s = 4.7$	13.0	0.60			
LSA	35.1	303	P	07 06	57.4	-1.0				
WMQ	43.9	321	P	07 08	10.8	0.4				
			LZ		$M_s = 4.9$	16.0	1.35			
KSH	50.2	310	eP	07 09	01.0	1.0				
			pP	07 09	11.0	1.5				
			eS	07 16	11.0	2.6				
			LE		$M_s = 5.2$	14.0	1.00			
APR 27d 08h 05m $27.1 \pm 0.11s, SD1.28 / 46$ 3.80 N \pm 1.09km, 126.73 E \pm 1.89km, h46 \pm 0.91km Talaud Islands (263)				QZN 22.4 314 eP 08 10 22.2 -0.8						
APR 27d 16h 14m $39.2 \pm 0.17s, SD3.64 / 7$ 39.31 N \pm 1.77km, 75.67 E \pm 0.32km, h24 \pm 1.47km Southern Xinjiang Province (321) $M_L 3.8 / 5,$				KSH 0.3 44 iPg 16 14 45.5 -0.2	Sg 16 14 51.5 1.1	SMN $M_L = 3.3$ 0.2 3.00	SME 0.3 3.50			
APR 27d 17h 05m $28.9 \pm 0.08s, SD2.79 / 11$ 39.55 N \pm 0.94km, 95.32 E \pm 0.67km, h8 \pm 0.59km Gansu Province (322) $M_L 4.2 / 6,$				WMQ 10.1 60 eP 16 17 06.2 0.3	SME 1.0 0.020	GTA 3.5 91 ePn 17 06 23.2 -0.6	Pg 17 06 28.8 -1.5			
APR 27d 21h 21m $47.2 \pm 0.06s, SD0.87 / 15$ 25.18 S \pm 1.21km, 179.66 E \pm 1.21km, h494 \pm 0.34km South of Fiji (171)				WMQ 7.1 309 Pn 17 07 17.5 3.7	Sn 17 08 30.8 -6.4	SMN $M_L = 3.5$ 0.8 0.17	SME 0.8 0.11			
APR 27d 21h 58m $53.4 \pm 0.05s, SD1.24 / 7$ 41.86 N \pm 0.56km, 84.42 E \pm 0.29km, h17 \pm 0.11km Southern Xinjiang Province (321) $M_L 3.0 / 7,$				WHN 83.5 308 eP 21 33 24.0 -0.3	CN2 84.7 324 eP 21 33 29.5 -0.7	WMQ 3.1 50 Pg 21 59 49.0 0.5	Sg 22 00 29.5 -1.4			
APR 27d 22h 16m $00.8 \pm 0.30s, SD2.85 / 23$ 29.48 N \pm 2.56km, 129.74 E \pm 3.09km, h28 \pm 0.32km Ryukyu Islands (238) $M_s 3.8 / 4,$				TIY 88.8 313 +P 21 33 50.6 0.8	CD2 91.5 303 eP 21 34 03.1 0.9	SMN $M_L = 3.0$ 0.8 0.050	SME 0.8 0.070			
APR 27d 22h 16m $00.8 \pm 0.30s, SD2.85 / 23$ 29.48 N \pm 2.56km, 129.74 E \pm 3.09km, h28 \pm 0.32km Ryukyu Islands (238) $M_s 3.8 / 4,$				SSE 7.6 284 eP 22 17 54.0 1.8	LE $M_s = 3.4$ 10.0 0.29	LZ $M_s = 3.7$ 11.0 0.55				

NJ2	9.7	288	eP	22 18	22.0	0.1		
WHN	13.4	278	P	22 19	13.0	1.4		
CN2	14.7	348	eP	22 19	31.0	2.0		
BJI	15.3	317	eP	22 19	39.0	2.0		
TIY	16.6	304	eP	22 19	56.5	3.3		
			LN		$M_s=4.1$	12.0	0.35	
			LE			13.0	0.31	
			LZ		$M_s=4.1$	13.0	0.60	
XAN	18.3	290	eP	22 20	13.8	-0.6		
HHC	18.7	312	eP	22 20	17.0	-2.2		
BTO	19.5	310	eP	22 20	25.0	-4.5		
CD2	22.5	280	eP	22 20	56.5	-3.3		
LZH	22.7	294	eP	22 20	59.5	-2.6		
GTA	26.5	300	eP	22 21	34.0	-4.2		

XAN	15.0	315	eP	17 32	39.4	1.4		
			LN		$M_g=4.0$	8.0	0.29	
			LZ		$M_g=3.9$	10.0	0.34	
TIY	15.8	332	eP	17 32	54.0	5.2		
			LN		$M_g=4.3$	9.0	0.46	
			LE			10.0	0.29	
			LZ		$M_g=4.1$	12.0	0.72	
BTO	19.3	332	eP	17 33	33.0	1.3		
			sP	17 33	39.0	0.0		
			eS	17 37	04.0	0.2		
			LN		$M_g=4.4$	11.0	0.50	
			LE			11.0	0.30	
			LZ		$M_g=4.1$	11.0	0.50	
GTA	24.1	315	eP	17 34	24.2	3.4		

APR 28d 09h 19m $02.3 \pm 0.07s$, SD2.58 / 6
24.64 N $\pm 0.52km$, 103.04 E $\pm 1.00km$, h5 $\pm 1.30km$
Yunnan Province (318)
 $M_L 3.3 / 3$,

KMI	0.6	331	Pg	09 19	10.0	-2.5		
			Sg	09 19	16.5	-3.3		
			SMN		$M_L=3.3$	1.0	1.35	
			SME			1.0	1.72	
GYA	3.7	60	Pn	09 20	01.6	0.4		
			Sn	09 20	49.0	1.4		
			SMN		$M_L=2.8$	1.0	0.030	
			SME			1.0	0.020	

APR 28d 20h 02m $13.2 \pm 0.09s$, SD4.29 / 6
31.80 N $\pm 0.90km$, 116.25 E $\pm 0.84km$, h5 $\pm 0.24km$
Eastern China (664)
 $M_L 3.0 / 3$,

WHN	2.1	233	P11	20 02	48.0	-3.2		
			Pg	20 02	49.0	-0.4		
			Sg	20 03	14.6	-2.9		
			SMN		$M_L=3.2$	0.7	0.17	
			SME			0.6	0.19	
NJ2	2.2	83	ePg	20 02	55.0	2.4		
			Sg	20 03	23.6	0.6		
			SMN		$M_L=2.5$	0.5	0.030	
			SME			0.8	0.030	

APR 28d 10h 02m $16.9 \pm 0.06s$, SD2.21 / 5
41.83 N $\pm 0.60km$, 127.71 E $\pm 0.36km$, h26 $\pm 0.33km$
North Korea (659)
 $M_L 3.2 / 5$,

CN2	2.6	321	ePg	10 03	01.0	-1.7		
			eSn	10 03	24.0	-5.7		
			eSg	10 03	32.0	-6.0		
			SMN		$M_L=3.2$	0.6	0.10	
			SME			0.6	0.14	
SNY	3.1	271	Pg	10 03	12.0	0.5		
			Sg	10 03	52.5	-1.3		
			SMN		$M_L=3.0$	0.7	0.070	
			SME			0.7	0.050	

APR 28d 22h 41m $09.2 \pm 0.08s$, SD0.82 / 59
18.03 S $\pm 1.40km$, 178.44 W $\pm 0.30km$, h636 $\pm 1.19km$
Fiji region (181)
 $m_B 5.5 / 13$,

QZH	74.7	303	eP	22 51	48.0	0.1		
			S	23 00	36.0	1.8		
			SMN		$m_B=5.5$	8.0	0.88	
SSE	75.8	310	P	22 51	53.5	-0.4		
			S	23 00	44.0	-1.7		
			SMN		$m_B=5.5$	6.0	0.47	
			SME			6.0	0.47	
NJ2	78.0	310	+P	22 52	06.0	0.3		
			iS	23 01	11.0	0.8		
MDJ	78.3	325	+P	22 52	07.5	0.3		
			pP	22 54	13.0	-4.6		
			iS	23 01	16.0	2.9		
			SME		$m_B=6.0$	12.0	4.30	
DL2	79.7	317	eP	22 52	14.2	-0.2		
			S	23 01	30.0	4.4		
			SMN		$m_B=5.5$	7.0	0.54	
			SME			6.0	0.55	
SNY	80.1	320	eP	22 52	15.9	-0.6		
			iS	23 01	35.0	3.7		
			SMN		$m_B=5.5$	9.0	0.46	
			SME			7.0	0.75	
CN2	80.1	322	+iP	22 52	16.7	-0.1		
			PMZ			3.0	0.30	
			pP	22 54	27.0	-0.9		
			sP	22 55	27.0	-3.1		
			S	23 01	32.0	2.0		
			SMN		$m_B=5.7$	7.0	0.70	
			SME			7.0	1.00	
WHN	80.7	306	eP	22 52	19.6	0.0		
			S	23 01	38.0	2.4		
			SMN		$m_B=5.4$	6.0	0.60	
TIA	81.3	312	eP	22 52	22.5	-0.4		
			eS	23 01	41.0	-2.8		
			SME		$m_B=5.4$	8.0	0.72	
BJI	83.9	315	eP	22 52	34.0	-1.6		

APR 28d 17h 29m $03.3 \pm 0.42s$, SD2.35 / 32
23.96 N $\pm 1.77km$, 121.68 E $\pm 1.72km$, h6 $\pm 2.22km$
Taiwan (244)
 $M_s 4.1 / 7$, $M_L 4.0 / 14$,

QZH	3.0	290	ePn	17 29	50.3	-1.1		
			Sn	17 30	23.5	-6.0		
			SMN		$M_L=4.0$	0.7	0.48	
			SME			1.2	0.60	
			LN			10.0	1.84	
			LE			10.0	1.67	
SSE	7.1	357	ePn	17 30	49.5	1.1		
			eSn	17 32	08.0	-4.1		
			SMN		$M_L=4.0$	1.2	0.051	
			SME			1.0	0.068	
GZH	7.7	265	ePn	17 30	56.0	-0.3		
			eSn	17 32	23.0	-3.4		
			SMN		$M_L=4.2$	1.0	0.10	
			SME			0.8	0.070	
NJ2	8.4	343	+P	17 31	06.5	-2.8		
			LN		$M_s=4.1$	9.0	0.90	
			LE			9.0	0.54	
WHN	9.2	317	eP	17 31	18.5	-1.9		
			eS	17 33	03.5	-2.4		
			SMN			1.0	0.10	
			SME			1.0	0.070	
			LE		$M_s=4.1$	8.0	0.78	

		eSKS	23 01 57.0	0.5			
		eS	23 02 10.0	1.7			
TIY	85.3 312	+iP	22 52 43.4	0.5			
		pP	22 54 54.0	-1.9			
		PP	22 56 18.0	4.3			
		SKS	23 02 11.0	4.8			
		S	23 02 26.0	5.4			
		SMN			$m_b = 5.5$	7.0	0.34
		SME				7.0	0.44
XAN	86.3 307	-P	22 52 47.6	0.1			
		iS	23 02 36.0	4.5			
KMI	87.9 297	-P	22 52 57.0	2.0			
		S	23 02 50.0	6.2			
GTA	95.1 310	P	22 53 27.6	-0.4			
APR 29d 10h 47m $18.6 \pm 0.09s$, SD3.60 / 6							
26.22 N $\pm 0.40km$, 99.90 E $\pm 0.63km$, $h4 \pm 0.94km$							
Yunnan Province (318)							
$M_L 3.4 / 2,$							
GYA	6.1 86	Pg	10 49 03.2	-2.9			
APR 29d 13h 22m $16.8 \pm 0.11s$, SD1.66 / 23							
13.90 N $\pm 1.40km$, 124.91 E $\pm 2.09km$, $h37 \pm 0.61km$							
Luzon (249)							
SSE	17.5 349	eP	13 26 19.0	-0.2			
WHN	19.2 331	eP	13 26 41.5	0.9			
GYA	21.2 309	P	13 27 01.8	0.3			
TIY	26.2 337	eP	13 27 49.5	-0.7			
BJI	27.1 345	eP	13 27 57.5	-1.4			
BTO	29.6 337	eP	13 28 20.0	-1.3			
APR 29d 16h 54m $20.9 \pm 0.08s$, SD1.78 / 24							
19.82 S $\pm 1.57km$, 134.17 E $\pm 1.52km$, $h5 \pm km$							
Northern Territory, Australia (591)							
XAN	58.7 336	eP	17 04 22.0	-0.7			
BJI	61.9 344	eP	17 04 40.0	-4.2			
LZH	62.6 333	eP	17 04 50.5	1.4			
LSA	64.4 319	P	17 05 01.8	0.6			
GTA	67.1 332	eP	17 05 18.0	-0.5			
WMQ	76.3 327	P	17 06 15.0	1.5			
KSH	80.2 318	eP	17 06 36.7	1.5			
APR 29d 17h 26m $47.8 \pm 0.13s$, SD2.58 / 30							
3.91 S $\pm 3.61km$, 103.79 W $\pm 3.48km$, $h20 \pm 0.67km$							
Northern Easter I. Cordillera (694)							
NJ2	131.2 310	ePKP	17 46 01.5	1.6			
		LZ			$M_s = 5.3$	20.0	0.61
XAN	137.3 319	ePKP	17 46 16.0	4.7			
GTA	138.7 332	ePKP	17 46 08.8	-5.1			
WMQ	139.0 347	PKP	17 46 15.0	0.6			
GYA	143.2 311	PKP	17 46 23.2	1.3			
KSH	144.6 0	ePKP	17 46 26.0	1.8			
KMI	146.9 312	ePKP	17 46 30.0	1.7			
		LZ			$M_s = 5.5$	30.0	1.10
LSA	150.7 333	PKP	17 46 39.8	5.2			
APR 29d 21h 19m $30.3 \pm 0.11s$, SD1.45 / 19							
15.91 N $\pm 1.05km$, 145.19 E $\pm 4.00km$, $h34 \pm 1.83km$							
Marianas region (215)							
SSE	26.6 309	eP	21 25 06.3	-1.6			
BJI	34.9 319	eP	21 26 20.0	-0.8			
TIY	36.1 313	eP	21 26 36.5	4.8			
GYA	37.3 293	P	21 26 42.0	0.4			
LZH	41.9 307	eP	21 27 20.0	0.5			
GTA	45.9 310	eP	21 27 52.0	-0.2			
WMQ	55.8 312	P	21 29 07.0	0.0			
APR 30d 16h 25m $06.0 \pm 0.08s$, SD2.02 / 12							
4.76 N $\pm 1.40km$, 35.31 E $\pm 2.27km$, $h9 \pm 0.34km$							

Sudan (557)							
GTA	67.4 49	eP	16 36 05.4	0.7			
GYA	71.2 64	P	16 36 28.4	0.2			
TIY	76.9 53	eP	16 37 00.7	-0.7			
APR 30d 17h 58m $35.1 \pm 0.05s$, SD0.52 / 22							
50.21 S $\pm 1.49km$, 115.66 E $\pm 1.28km$, $h12 \pm 0.18km$							
South of Australia (437)							
GYA	76.7 352	P	18 10 29.0	0.0			
WHN	80.4 359	P	18 10 49.0	0.1			
		pP	18 10 55.5	0.8			
CD2	81.4 350	eP	18 10 55.0	0.5			
LZH	86.6 350	eP	18 11 20.0	-0.4			
TIY	87.6 357	eP	18 11 25.3	-0.1			
BJI	89.9 0	eP	18 11 36.0	-0.1			
GTA	90.3 348	eP	18 11 38.4	0.0			
WMQ	96.8 340	eP	18 12 07.6	-0.3			
APR 30d 22h 40m $14.4 \pm 0.13s$, SD1.75 / 32							
0.31 S $\pm 1.32km$, 124.54 E $\pm 1.71km$, $h80 \pm 0.95km$							
Molucca Sea (269)							
GYA	31.7 328	P	22 46 33.4	0.3			
WHN	32.2 343	eP	22 46 38.5	1.4			
CD2	36.8 329	eP	22 47 16.4	-0.2			
XAN	37.2 338	eP	22 47 19.0	-0.9			
TIY	39.5 345	+P	22 47 39.5	0.7			
BJI	40.9 350	P	22 47 51.5	1.0			
LZH	41.0 334	eP	22 47 53.5	1.7			
MDJ	45.0 5	eP	22 48 24.0	0.3			
GTA	45.6 333	P	22 48 28.8	0.2			
WMQ	54.9 328	P	22 49 39.0	-0.4			
APR 30d 23h 00m $02.6 \pm 0.11s$, SD1.45 / 57							
0.33 S $\pm 1.33km$, 124.58 E $\pm 2.05km$, $h93 \pm 0.52km$							
Molucca Sea (269)							
QZN	24.1 324	P	23 05 12.2	1.6			
		eS	23 09 19.0	0.3			
GZH	25.7 336	P	23 05 28.0	1.8			
GYA	31.7 328	P	23 06 20.8	0.4			
WHN	32.2 343	eP	23 06 25.5	1.2			
NJ2	32.7 351	eP	23 06 27.0	-1.3			
CD2	36.8 329	eP	23 07 03.8	-0.1			
XAN	37.2 338	-P	23 07 07.3	0.2			
TIY	39.5 345	eP	23 07 26.5	0.5			
BJI	40.9 350	eP	23 07 37.0	-0.6			
LZH	41.0 334	eP	23 07 40.0	1.0			
HHC	42.7 345	eP	23 07 54.0	1.8			
BTO	42.8 344	eP	23 07 49.4	-4.2			
MDJ	45.0 5	eP	23 08 10.5	-0.2			
GTA	45.6 333	-iP	23 08 16.6	0.8			
WMQ	54.9 328	P	23 09 25.5	-1.0			
KSH	59.5 318	eP	23 10 00.2	1.0			