

		esP	05 14 48.0	1.8				GYA	60.8 276	+iP	05 16 21.0	-0.5		
		ePcP	05 16 08.0	0.6						PMZ	$m_b = 6.1$	1.4	0.34	
		ePcS	05 20 01.0	0.8						pP	05 16 33.6	1.1		
		eS	05 21 10.0	-0.6						S	05 24 36.8	4.1		
		eScS	05 24 20.0	0.6				KMI	64.2 278	+iP	05 16 44.0	-0.2		
		LZ	$M_s = 5.2$		22.0	2.77				PMZ	$m_b = 6.3$		2.0	0.70
TIA	47.6 278	+P	05 14 45.0	0.0						PMZ			3.0	1.20
		eS	05 21 35.0	-1.6						pP	05 16 57.0	1.7		
		LZ	$M_s = 4.7$		35.0	1.62				S	05 25 21.5	6.2		
HHC	48.1 286	+iP	05 14 50.0	1.3				QZN	64.3 268	eP	05 16 44.8	0.2		
		PMZ	$m_b = 6.4$		1.2	0.58		LSA	67.8 290	+P	05 17 08.8	1.2		
		S	05 21 43.7	1.7				KSH	68.7 307	eP	05 17 13.0	0.0		
		LN	$M_s = 5.4$		20.0	2.48				sP	05 17 32.0	3.1		
SSE	48.5 269	-iP	05 14 52.5	0.7						eS	05 26 13.0	0.9		
		PMZ	$m_b = 6.3$		1.0	0.42		DEC 1d 09h 48m $52.7 \pm 0.19s$ , SD3.62 / 9						
		PMZ			3.0	1.36		40.64 N $\pm 1.52km$ , 76.48 E $\pm 1.39km$ , h14 $\pm 0.85km$						
		pP	05 15 03.0	0.2				Kirgiziya-Xinjiang border region (320)						
		sP	05 15 08.0	0.6				$M_L 3.8 / 7,$						
		PcP	05 16 17.4	0.4				KSH	1.2 201	-iPg	09 49 13.0	-1.1		
		S	05 21 50.0	2.1						Sg	09 49 28.5	-1.9		
BTO	49.1 287	LZ	$M_s = 4.8$		20.0	0.93				SMN	$M_L = 3.8$		0.5	2.10
		+iP	05 14 58.0	1.0						SME			0.4	1.60
		PMZ	$m_b = 6.6$		2.0	1.53		WMQ	8.9 65	eP	09 51 05.2	0.9		
		pP	05 15 09.0	1.1						S	09 52 41.8	-3.4		
		sP	05 15 15.0	2.5						SMN	$M_L = 3.6$		0.7	0.010
		PP	05 16 55.0	4.9				DEC 1d 13h 44m $23.5 \pm 0.11s$ , SD2.68 / 19						
		iS	05 22 00.0	1.6				30.02 N $\pm 1.04km$ , 99.42 E $\pm 1.26km$ , h13 $\pm 0.12km$						
		sS	05 22 20.0	3.2				Tibet (306)						
NJ2	49.3 272	+iP	05 14 57.6	-0.4				$M_L 3.7 / 6,$						
		PMZ	$m_b = 6.3$		0.8	0.30		CD2	3.9 76	Pn	13 45 26.0	3.0		
		PP	05 16 50.6	-1.0						Pg	13 45 36.2	4.7		
		LZ	$M_s = 4.8$		24.0	1.30				Sg	13 46 26.0	1.8		
WHN	53.1 274	+iP	05 15 27.0	0.0						SMN	$M_L = 3.6$		1.2	0.10
		PMZ	$m_b = 6.4$		1.0	0.45				SME			1.8	0.18
		PMZ	$m_b = 6.3$		4.0	1.47		LSA	7.2 270	+Pn	13 46 12.0	2.8		
		sP	05 15 46.0	3.3				GYA	7.3 117	Pn	13 46 11.6	1.0		
		S	05 22 55.0	3.2				GTA	9.4 2	eP	13 46 43.4	1.6		
		sS	05 23 15.0	3.2				CN2	24.8 49	eP	13 49 49.0	1.8		
		LN	$M_s = 5.5$		20.0	2.83		DEC 1d 17h 32m $46.1 \pm 0.13s$ , SD2.63 / 15						
		LE			20.0	0.75		40.79 N $\pm 0.85km$ , 79.43 E $\pm 0.99km$ , h13 $\pm 0.49km$						
XAN	54.1 281	+iP	05 15 34.0	-0.1				Southern Xinjiang Province (321)						
QZH	54.5 266	+P	05 15 36.5	-0.3				$M_L 4.2 / 7,$						
LZH	55.8 286	+iP	05 15 47.0	0.5				KSH	3.0 246	ePn	17 33 34.0	0.4		
		PMZ	$m_b = 6.3$		1.5	0.64				Sn	17 34 13.5	2.6		
		pP	05 15 59.0	1.6						SMN	$M_L = 4.5$		0.5	1.80
		PcP	05 16 45.8	1.7						SME			0.7	1.90
		S	05 23 30.0	2.7				WMQ	6.8 61	Pn	17 34 30.2	3.6		
		sS	05 23 52.8	5.5						Sn	17 35 50.0	3.4		
		LE	$M_s = 5.5$		20.0	2.71				SMN	$M_L = 4.2$		1.0	0.12
		LZ	$M_s = 5.3$		20.0	2.85				SME			0.8	0.090
GTA	55.9 292	-iP	05 15 46.8	-0.6				GTA	15.7 88	eP	17 36 27.0	-1.6		
		sP	05 16 06.0	3.0				TIY	25.7 86	-P	17 38 19.5	1.7		
		PcP	05 16 45.2	0.6				DEC 1d 17h 35m $24.9 \pm 0.08s$ , SD3.75 / 6						
		S	05 23 30.0	0.8				40.99 N $\pm 0.87km$ , 79.31 E $\pm 0.93km$ , h11 $\pm 0.23km$						
		sS	05 23 53.0	3.9				Southern Xinjiang Province (321)						
		LE	$M_s = 5.1$		14.0	0.78		$M_L 4.4 / 3,$						
		LZ	$M_s = 5.2$		20.0	1.92		KSH	3.0 242	ePn	17 36 14.3	1.7		
GZH	59.1 269	-iP	05 16 10.0	0.3						Sn	17 36 51.0	0.9		
CD2	59.4 282	+iP	05 16 11.6	-0.3						SMN	$M_L = 4.5$		0.5	1.20
		PMZ	$m_b = 6.2$		1.0	0.32				SME			1.0	2.40
		pP	05 16 24.0	1.0				TIY	25.7 86	eP	17 40 59.2	1.7		
		S	05 24 19.0	4.1				DEC 1d 18h 59m $11.0 \pm 0.11s$ , SD0.89 / 74						
		sS	05 24 39.5	4.5				14.29 S $\pm 1.08km$ , 167.30 E $\pm 1.59km$ , h202 $\pm 0.71km$						
WMQ	59.6 303	P	05 16 15.0	1.7										
		pP	05 16 25.0	0.7										
		PcP	05 16 59.5	0.5										
		S	05 24 16.0	-1.3										
		LZ	$M_s = 5.3$		22.0	2.61								

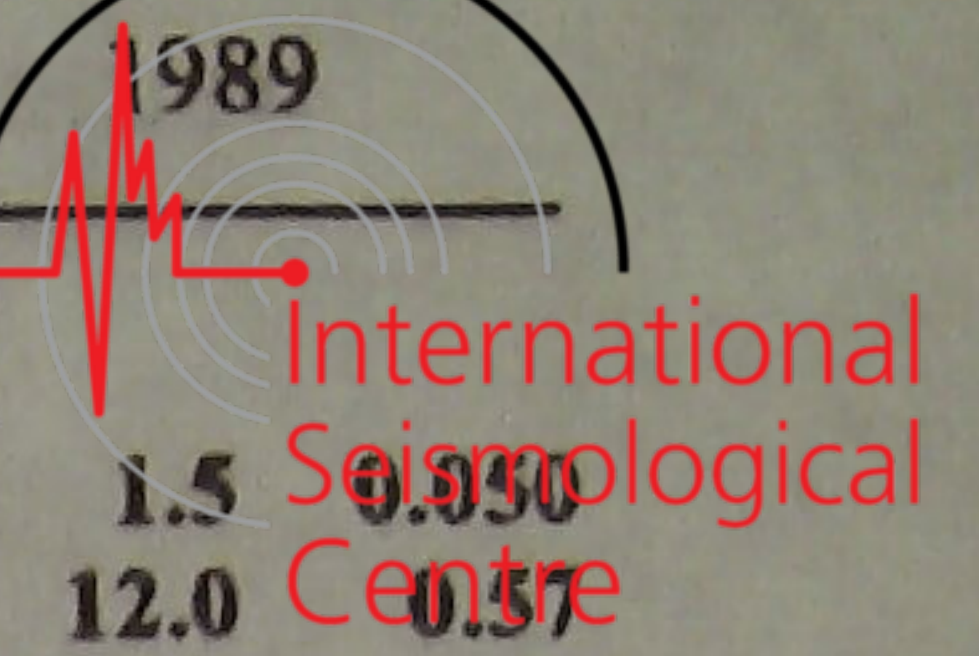


Vanuatu (New Hebrides)				(186)								
m <sub>b</sub> 5.3 / 1, m <sub>b</sub> 5.3 / 24,					TIY	15.0	104	LE	M <sub>s</sub> = 3.9			
QZH	61.5	309	eP	19 09 09.5	0.8			eP	04 05 44.0	-0.3		
SSE	63.2	316	+P	19 09 20.0	-0.5			LN	M <sub>s</sub> = 4.1		7.0	0.30
			PMZ	m <sub>b</sub> = 5.0		1.2	0.037					
			pP	19 10 03.0	-3.7							
NJ2	65.4	316	+P	19 09 34.2	-0.2							
			PMZ	m <sub>b</sub> = 5.2		1.2	0.060					
WHN	67.7	312	+P	19 09 48.7	-0.2							
			PMZ	m <sub>b</sub> = 5.1		0.8	0.030					
			pP	19 10 32.5	-3.2							
MDJ	67.9	332	eP	19 09 50.0	-0.4							
			PMZ	m <sub>b</sub> = 5.3		1.0	0.060					
			S	19 18 30.0	-0.4							
			SME	m <sub>b</sub> = 5.3		10.0	0.64					
DL2	68.0	323	eP	19 09 50.7	0.0							
			PMZ	m <sub>b</sub> = 5.8		1.0	0.18					
SNY	68.9	326	eP	19 09 55.6	-0.6							
			PcP	19 10 18.4	-0.3						1.5	0.042
			pP	19 10 42.3	-0.8						20.0	0.39
			S	19 18 42.0	0.4							
TIA	69.0	318	+P	19 09 56.1	-1.2							
CN2	69.3	329	+iP	19 09 58.4	-0.4							
			PMZ	m <sub>b</sub> = 5.3		1.0	0.060					
			pP	19 10 45.0	-0.8							
			eS	19 18 49.0	1.0							
GYA	71.5	305	+P	19 10 12.0	-0.3							
			pP	19 10 56.6	-2.7							
			S	19 19 17.6	5.5							
BJI	71.9	321	eP	19 10 14.5	-0.3							
			PMZ	m <sub>b</sub> = 5.3		1.5	0.090					
			eS	19 19 20.0	1.4							
TIY	73.0	317	+P	19 10 21.0	0.1							
			pP	19 11 04.0	-4.1							
			S	19 19 35.0	6.4							
XAN	73.4	312	+P	19 10 23.5	-0.1							
KMI	74.1	302	+iP	19 10 28.5	0.8							
			PMZ	m <sub>b</sub> = 5.8		1.5	0.30					
			PcP	19 10 40.0	-1.0							
			pP	19 11 13.0	-1.9							
			eS	19 19 45.0	1.7							
			sS	19 21 01.0	-4.5							
HHC	75.3	320	+iP	19 10 34.8	0.5							
CD2	75.8	307	P	19 10 37.4	0.4							
BTO	76.1	319	+P	19 10 39.5	0.5							
LZH	78.0	312	+iP	19 10 50.8	1.1							
			PMZ	m <sub>b</sub> = 5.6		1.5	0.19					
			pP	19 11 37.0	-0.4							
GTA	82.4	314	+iP	19 11 13.4	0.7							
LSA	85.4	302	+P	19 11 29.4	1.5							
WMQ	92.4	315	P	19 12 01.0	0.1							
			PMZ	m <sub>b</sub> = 5.5		1.2	0.060					
			SKS	19 22 15.0	2.9							
DEC 2d 04h 02m 11.0 ± 0.10s, SD2.56 / 20												
42.94 N ± 1.42km, 93.99 E ± 1.01km, h18 ± 0.61km												
Northern Xinjiang Province (332)												
M <sub>s</sub> 4.0 / 2, M <sub>L</sub> 4.4 / 7,												
WMQ	4.7	283	Pn	04 03 24.6	3.4							
			Pg	04 03 34.0	0.6							
			Sg	04 04 35.0	-2.2							
			SMN	M <sub>L</sub> = 4.2		0.6	0.37					
GTA	5.6	127	+iPn	04 03 35.0	0.4							
			Pg	04 03 53.0	2.5							
			Sn	04 04 38.0	-2.8							
			Sg	04 05 04.8	-2.8							
			SMN	M <sub>L</sub> = 4.4		1.0	0.34					
			SME			1.0	0.27					
DEC 2d 04h 24m 54.0 ± 0.22s, SD2.33 / 47												
9.58 S ± 2.44km, 124.92 E ± 3.92km, h55 ± 0.87km												
Timor (289)												
M <sub>s</sub> 4.8 / 1, m <sub>b</sub> 5.1 / 6,												
GYA	40.0	334	P	04 32 23.2	-2.2							
WHN	41.2	346	eP	04 32 35.2	0.1							
NJ2	41.8	352	-P	04 32 38.8	-1.5							
CD2	45.1	334	eP	04 33 11.8	4.7							
XAN	46.0	341	eP	04 33 12.0	-2.0							
TIY	48.5	347	eP	04 33 35.1	1.4							
LZH	49.6	338	eP	04 33 44.0	1.7							
			PMZ	m <sub>b</sub> = 5.2								
			LZ	M <sub>s</sub> = 4.4								
BJI	50.0	351	eP	04 33 46.5	0.9							
			PMZ	m <sub>b</sub> = 4.8								
LSA	50.8	321	eP	04 33 50.6	-1.5							
SNY	51.2	359	eP	04 33 50.8	-3.4							
HHC	51.7	347	P	04 34 01.4	3.3							
CN2	53.1	0	eP	04 34 09.8	0.9							
GTA	54.0	336	eP	04 34 13.4	-2.4							
MDJ	54.1	4	eP	04 34 15.0	-1.1							
WMQ	63.0	331	P	04 35 17.0	-1.0							
DEC 2d 05h 36m 32.1 ± 0.18s, SD2.24 / 15												
4.45 N ± 2.59km, 96.17 E ± 1.83km, h33 ± 0.27km												
Off west coast of Northern Sumatera (705)												
GYA	24.1	24	P	05 41 45.4	-0.6							
LSA	25.6	350	eP	05 41 58.6	-1.9							
CD2	27.3	14	eP	05 42 17.4	1.5							
WHN	31.1	31	P	05 42 48.2	-1.9							
GTA	35.0	5	eP	05 43 23.4	-0.3							
BJI	39.8	24	eP	05 44 05.5	1.6							
DEC 2d 07h 52m 17.6 ± 0.11s, SD1.20 / 77												
0.43 N ± 1.48km, 121.77 E ± 1.86km, h120 ± 0.47km												
Minahassa Peninsula (Celebes) (265)												
m <sub>b</sub> 5.1 / 11,												
QZN	21.9	328	eP	07 57 01.0	-0.9							
			S	08 00 51.0	0.5							
			sS	08 01 32.0	0.8							
GZH	24.0	341	eP	07 57 21.3	-0.8							
QZH	24.6	353	+P	07 57 28.0	0.1							
GYA	29.7	332	-P	07 58 14.8	0.0							
			pP	07 58 39.0	-1.4							
			ScP	08 04 46.0	1.1							
SSE	30.5	359	P	07 58 21.9	0.0							
			PMZ	m <sub>b</sub> = 4.6								
			pP	07 58 47.5	-0.2							
			eS	08 03 16.0	2.6							
KMI	30.7	325	-P	07 58 24.5	0.8							
			pP	07 58 48.0	-1.2							
WHN	30.8	347	eP	07 58 24.5	0.3							
			sP	07 59 04.0	-0.6							
			S	08 03 17.0	0.3							
NJ2	31.6	355	+P	07 58 32.0	0.7							
CD2	34.8	332	eP	07 58 57.8	-1.3							
XAN	35.5	341	-P	07 59 04.5	-0.8							
TIA	35.9	354	-P	07 59 07.0	-1.0							
TIY	38.1	348	-P	07 59 26.5	-0.3							
			S	08 05 09.5	0.0							
			sS	08 05 56.0	-1.0							









KMI	36.7 259	sS	12 27	50.5	-5.5		
		LN		$M_s = 5.7$	15.0	4.10	
		LE			15.0	4.10	
		+P	12 22	23.5	0.3		
		PMZ		$m_b = 5.7$	5.0	0.70	
		sP	12 22	35.0	-1.1		
		PP	12 23	51.0	3.0		
		eS	12 28	02.0	-2.4		
		S	12 28	05.0	2.0		
		LN		$M_s = 5.8$	13.0	5.00	
WMQ	40.9 295	LE			15.0	4.90	
		LZ		$M_s = 5.6$	20.0	9.80	
		P	12 23	00.0	1.6		
		eS	12 29	09.0	0.8		
		sS	12 29	25.0	1.7		
		LN		$M_s = 5.7$	13.0	2.24	
		LE			13.0	4.04	
		LZ		$M_s = 5.4$	14.0	4.16	
		eP	12 23	21.5	3.0		
		eS	12 29	50.5	6.2		
LSA	43.3 273	LN		$M_s = 5.5$	14.5	1.87	
		LE			15.0	1.75	
		eP	12 24	17.4	1.7		
		ePP	12 26	12.0	0.3		
KSH	50.6 293	eS	12 31	28.0	0.5		
		LN		$M_s = 5.6$	12.0	2.10	

BTO	25.4 283	eP	12 55	29.8	-0.1	
LZH	31.2 276	eP	12 56	22.0	-0.1	
		PMZ		$m_b = 5.1$	1.5	0.050
		LE		$M_s = 4.7$	12.0	0.57
		LZ		$M_s = 4.7$	14.0	1.13
GYA	33.1 258	+P	12 56	39.0	0.0	
		pP	12 56	48.8	3.1	
GTA	33.3 284	P	12 56	41.0	0.2	
KMI	36.8 259	-P	12 57	11.5	0.8	
		pP	12 57	18.0	0.7	
WMQ	41.1 295	P	12 57	47.2	0.9	
LSA	43.5 274	eP	12 58	09.2	3.0	
KSH	50.8 293	eP	12 59	04.0	0.5	

DEC 2d 13h 36m  $06.1 \pm 0.10s$ , SD1.68 / 61  
 39.48 N  $\pm 2.07km$ , 143.27 E  $\pm 2.22km$ ,  $h_{20} \pm 0.80km$   
 Near east coast of Honshu (228)  
 $M_s 4.5 / 11$ ,  $m_b 4.6 / 13$ ,

MDJ	11.4 301	eP	13 38	52.5	1.4	
		sP	13 39	02.5	2.1	
CN2	14.0 294	eP	13 39	28.0	1.9	
		pP	13 39	36.0	4.3	
		eS	13 42	03.0	0.8	
		LZ		$M_s = 4.2$	16.0	1.20
SNY	15.1 285	eP	13 39	44.6	3.8	
SSE	19.8 252	P	13 40	39.0	0.0	
		PMZ		$m_b = 4.5$	1.1	0.025
		pP	13 40	46.5	1.2	
		LN		$M_s = 4.2$	12.0	0.40
		LZ		$M_s = 4.4$	12.0	0.91
BJI	20.8 280	eP	13 40	46.0	-3.2	
		PMZ		$m_b = 4.4$	1.5	0.026
		LZ		$M_s = 4.3$	14.0	0.88
NJ2	21.1 257	+P	13 40	51.0	-1.3	
TIY	24.1 276	eP	13 41	21.4	-0.6	
		LN		$M_s = 4.5$	13.0	0.67
		LZ		$M_s = 4.5$	17.0	1.20
HHC	24.2 283	eP	13 41	21.6	-1.4	
WHN	25.2 258	-iP	13 41	34.0	1.3	
		PMZ		$m_b = 5.2$	1.0	0.060
		pP	13 41	40.2	0.8	
		PP	13 42	07.5	-2.9	
		eS	13 45	55.0	0.2	
		LE		$M_s = 4.6$	16.0	0.95

DEC 2d 12h 20m  $17.2 \pm 0.06s$ , SD2.06 / 37  
 39.42 N  $\pm 1.78km$ , 143.28 E  $\pm 2.09km$ ,  $h_{60} \pm 1.25km$   
 Near east coast of Honshu (228)  
 $M_s 5.4 / 2$ ,  $m_b 4.8 / 6$ ,

MDJ	11.4 301	eP	12 23	00.5	0.3	
SNY	15.2 285	eP	12 23	48.2	-1.1	
BJI	20.8 280	eP	12 24	54.0	-2.4	
TIA	20.9 269	eP	12 24	55.1	-1.9	
NJ2	21.1 257	+P	12 24	55.4	-3.8	
WHN	25.2 258	-iP	12 25	39.0	-0.3	
		PMZ		$m_b = 5.3$	0.8	0.060
		PcP	12 29	13.0	1.5	
GYA	33.1 258	+iP	12 26	49.0	-1.2	
KMI	36.8 260	eP	12 27	21.0	-0.8	
WMQ	41.1 295	P	12 27	57.5	-0.1	
LSA	43.5 274	eP	12 28	16.8	-0.5	

DEC 2d 12h 50m  $01.4 \pm 0.10s$ , SD1.75 / 61  
 39.46 N  $\pm 2.16km$ , 143.27 E  $\pm 2.17km$ ,  $h_{19} \pm 0.74km$   
 Near east coast of Honshu (228)  
 $M_s 4.5 / 9$ ,  $m_b 4.5 / 14$ ,

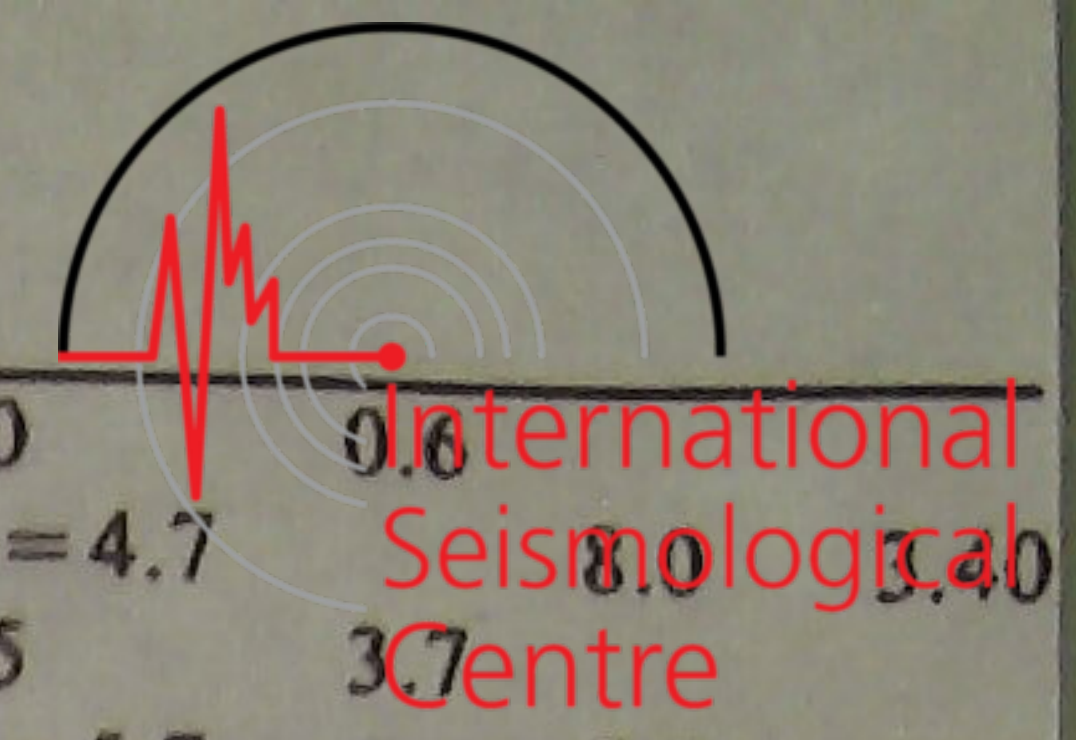
MDJ	11.4 301	eP	12 52	49.0	2.4	
SSE	19.8 252	+P	12 54	34.5	0.3	
		PMZ		$m_b = 4.5$	1.2	0.027
		pP	12 54	42.2	1.7	
		PP	12 54	56.0	3.7	
BJI	20.8 280	eP	12 54	41.5	-3.1	
		PMZ		$m_b = 4.4$	1.5	0.026
		LE		$M_s = 4.5$	14.0	0.99
		LZ		$M_s = 4.3$	16.0	0.93
TIA	20.9 269	eP	12 54	42.7	-2.6	
NJ2	21.1 257	eP	12 54	49.0	1.4	
TIY	24.1 276	eP	12 55	18.8	1.4	
		LZ		$M_s = 4.5$	18.0	1.34
HHC	24.2 284	eP	12 55	20.6	2.2	
WHN	25.2 258	+P	12 55	28.5	0.6	
		PMZ		$m_b = 5.1$	1.0	0.050
		pP	12 55	35.5	0.8	
		eS	12 59	48.0	-2.0	
		LE		$M_s = 4.5$	13.0	0.56
		LZ		$M_s = 4.2$	20.0	0.75

BTO	25.4 283	eP	13 41	35.0	0.5	
		epP	13 41	43.5	2.4	
		eS	13 45	55.0	-3.0	
		LN		$M_s = 4.5$	15.0	0.60
		LE			15.0	0.50
XAN	27.9 270	P	13 41	58.5	0.7	
LZH	31.2 276	eP	13 42	26.7	-0.1	
		PMZ		$m_b = 4.9$	1.5	0.033
		LE		$M_s = 4.6$	12.0	0.54
GYA	33.1 258	P	13 42	43.6	-0.1	
		S	13 48	02.6	2.5	
GTA	33.3 284	P	13 42	46.0	0.5	
		LE		$M_s = 4.8$	15.0	0.83
		LZ		$M_s = 4.7$	16.0	1.17
KMI	36.8 259	-P	13 43	16.2	0.8	
		pP	13 43	22.5	0.4	
WMQ	41.1 295	P	13 43	52.0	1.1	
LSA	43.5 274	eP	13 44	14.8	3.9	

DEC 2d 16h 05m  $43.2 \pm 0.08s$ , SD1.49 / 69  
 39.47 N  $\pm 1.86km$ , 143.24 E  $\pm 2.05km$ ,  $h_{29} \pm 0.85km$   
 Near east coast of Honshu (228)  
 $M_s 4.5 / 16$ ,  $m_b 4.8 / 15$ ,

MDJ	11.4 301	eP	16 08	27.8	0.8	
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		pP	16 08 33.5	-0.2			LSA	8.8 345	+P	19 46 35.0	9.6	
		S	16 10 36.0	2.1					LE	$M_s=4.7$	8.0	3.40
		LE			14.0	1.74	KMI	9.2 63	+P	19 46 42.5	3.7	
		LZ			16.0	2.95			PMZ	$m_B=5.7$	5.0	0.90
CN2	14.0 294	P	16 09 02.8	0.8					sP	19 46 56.5	2.3	
SNY	15.1 285	+P	16 09 17.4	0.8					LN	$M_s=5.0$	10.0	7.40
		eS	16 12 09.0	5.1					LZ	$M_s=4.9$	15.0	9.70
		sS	16 12 19.0	4.3			GYA	12.9 63	+P	19 47 33.0	3.1	
		LZ			17.0	2.00			pP	19 47 43.2	4.6	
SSE	19.8 252	-P	16 10 14.6	0.1					S	19 49 57.0	5.2	
		PMZ			1.0	0.026			ScS	20 00 06.8	4.1	
		pP	16 10 21.5	-0.8					LN	$M_s=5.1$	10.0	4.50
		sP	16 10 27.0	0.5					LE		10.0	3.30
		LN			12.0	0.51			LZ	$M_s=4.4$	16.0	2.40
		LE			12.0	0.53	CD2	13.2 41	P	19 47 32.5	-1.1	
		LZ			14.0	0.89			LN	$M_s=5.0$	6.0	2.69
BJI	20.8 280	eP	16 10 22.5	-2.4					LZ	$M_s=4.5$	10.0	1.57
		PMZ			1.5	0.039	QZN	15.3 95	eP	19 48 00.5	0.5	
		LZ			15.0	1.20			sP	19 48 18.5	2.6	
TIA	20.9 269	eP	16 10 23.3	-2.3					eS	19 50 48.0	0.7	
		LN			14.0	0.50			sS	19 51 03.5	0.9	
		LE			14.0	1.50			LE	$M_s=5.1$	10.0	4.10
		LZ			16.0	1.60	LZH	17.3 29	eP	19 48 24.5	-1.4	
NJ2	21.1 257	+P	16 10 26.8	-1.1					PMZ	$m_B=5.1$	1.5	0.14
		LZ			18.0	0.60			PMZ	$m_B=4.8$	10.0	0.43
TIY	24.1 276	eP	16 10 57.4	-0.2					pP	19 48 40.0	4.4	
		S	16 15 09.0	-0.8					eS	19 51 40.0	5.5	
		LN			15.0	0.92			sS	19 51 50.0	-0.3	
		LZ			18.0	1.46			LN	$M_s=4.9$	9.5	1.14
HHC	24.2 283	P	16 10 57.6	-1.0					LE		10.0	1.79
WHN	25.2 258	+P	16 11 09.0	0.8					LZ	$M_s=4.3$	26.0	2.16
		PMZ			1.0	0.12	GZH	18.3 80	eP	19 48 38.6	1.1	
		pP	16 11 16.0	-0.5					eS	19 51 55.2	-0.4	
		eS	16 15 34.0	4.6					LN	$M_s=5.2$	7.0	0.91
		LE			13.0	0.84			LE		8.0	3.37
BTO	25.4 283	eP	16 11 10.0	-0.1			XAN	18.6 43	+P	19 48 38.8	-2.4	
		epP	16 11 19.0	0.7					S	19 51 58.0	-3.9	
		eS	16 15 32.0	-0.7					LN	$M_s=4.8$	10.0	1.08
		LN			13.0	0.40			LE		12.0	1.55
		LE			14.0	1.40	GTA	18.9 15	-P	19 48 44.2	-1.6	
XAN	27.9 270	P	16 11 33.0	-0.4					eS	19 52 11.0	-0.1	
LZH	31.2 276	eP	16 12 02.5	0.1					sS	19 52 28.0	0.7	
		PMZ			2.0	0.056			SS	19 52 41.0	4.7	
		LE			14.0	1.01			LE	$M_s=4.9$	10.0	1.79
		LZ			14.0	1.24			LZ	$M_s=4.5$	18.0	2.06
GYA	33.1 258	+P	16 12 19.4	0.1			WHN	20.7 59	+P	19 49 03.7	-1.2	
		pP	16 12 28.8	1.1					PMZ	$m_B=5.3$	7.0	1.03
		S	16 17 39.0	4.4					pP	19 49 20.0	3.4	
CD2	33.2 267	P	16 12 19.4	-0.4					S	19 52 48.0	0.5	
GTA	33.3 284	eP	16 12 21.3	0.2					LN	$M_s=5.2$	8.0	2.32
		LE			15.0	1.17			LE		8.0	1.37
		LZ			17.0	1.52			LZ	$M_s=4.6$	24.0	2.73
KMI	36.8 259	+P	16 12 51.5	0.6			TIY	23.1 40	eP	19 49 29.0	0.4	
		pP	16 12 58.5	-0.8					pP	19 49 44.0	3.4	
WMQ	41.1 295	P	16 13 27.5	1.0					S	19 53 34.0	3.0	
LSA	43.5 274	eP	16 13 50.8	4.4					SS	19 54 17.0	-1.2	
KSH	50.8 293	eP	16 14 45.0	1.3					LZ	$M_s=4.8$	19.0	2.84
							WMQ	23.2 349	P	19 49 30.7	1.6	
									sP	19 49 43.0	-3.8	
									SMN		2.0	0.11
									LZ	$M_s=4.6$	24.0	2.32
							BTO	23.8 32	P	19 49 35.0	-0.5	
									pP	19 49 49.5	2.0	
									eS	19 53 43.0	-1.4	
									LN	$M_s=5.0$	11.0	1.60
									LE		13.0	1.30
							KSH	23.8 324	P	19 49 39.4	3.6	
									pP	19 49 51.0	3.2	

DEC 2d 16h 17m  $49.1 \pm 0.05s$ , SD0.70 / 14  
 6.38 S  $\pm 0.35km$ , 154.91 E  $\pm 0.48km$ , h91  $\pm 0.46km$   
 Solomon Islands (193)

XAN 59.2 316 P 16 27 43.0 -0.7  
 GTA 68.2 317 P 16 28 43.0 0.1

DEC 2d 19h 44m  $26.1 \pm 0.10s$ , SD1.52 / 77  
 21.15 N  $\pm 1.62km$ , 93.75 E  $\pm 1.29km$ , h52  $\pm 0.66km$   
 Burma (296)  
 $M_s 5.0 / 37$ ,  $m_B 5.4 / 7$ ,  $m_b 4.8 / 11$ ,







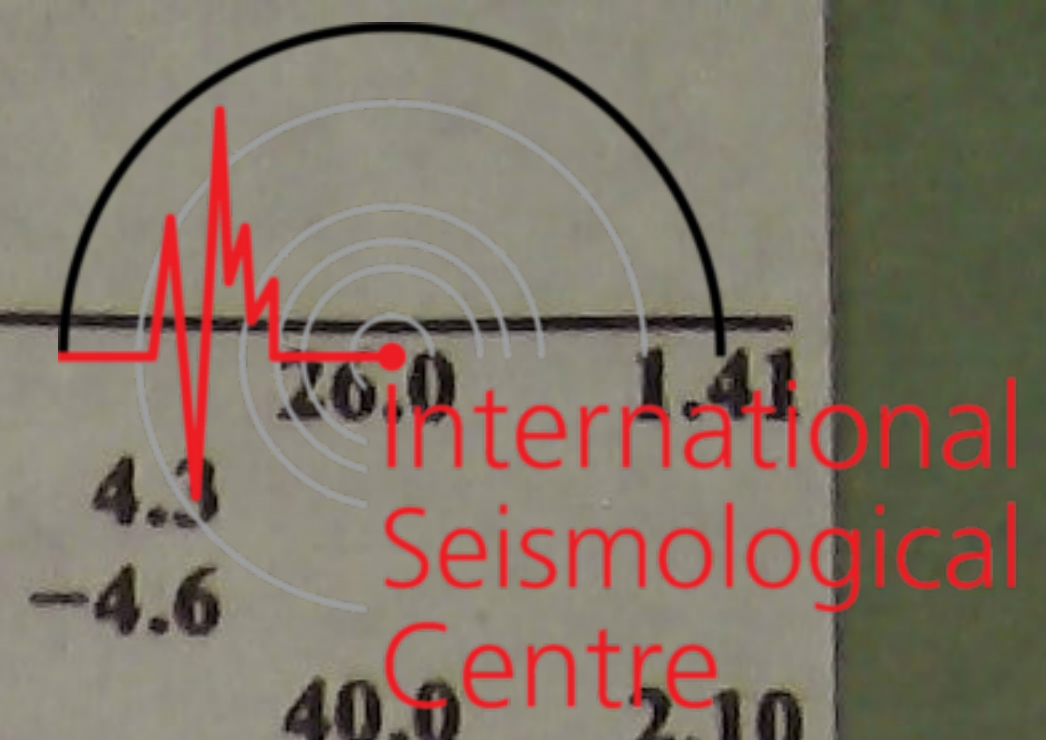
<p>DEC 3d 09h 45m 20.6 ± 0.13s, SD1.22 / 64                      23.91 N ± 1.41km, 142.64 E ± 1.96km, h129 ± 0.27km                      Volcano Islands region (213)                      m<sub>b</sub>4.9 / 14,</p>							PcP	11 20 54.7	1.9							
SSE	20.3	295	+P	09 49 48.0	-0.5		eS	11 22 16.5	-0.4							
			PMZ		m <sub>b</sub> = 5.1	0.5	0.047	eP	11 18 33.6	1.1						
			PP	09 50 14.0	-1.3			-P	11 18 47.0	2.2						
			eS	09 53 21.0	-3.1			+P	11 18 48.6	0.9						
			SS	09 54 01.0	-1.1			pP	11 19 06.0	0.5						
			LZ			20.0	0.47	PcP	11 21 15.6	1.8						
NJ2	22.5	296	-P	09 50 10.3	0.3			S	11 24 20.0	2.2						
			LZ			18.0	0.30	ScP	11 24 54.6	2.9						
MDJ	23.2	336	eP	09 50 18.6	1.2			ScS	11 28 58.2	2.7						
			pP	09 50 41.0	-2.5			-P	11 19 18.0	1.5						
			sP	09 50 56.0	-3.2			PMZ		m <sub>b</sub> = 5.1	0.7					
			LZ			20.0	0.88	pP	11 19 30.7	-3.8	0.020					
DL2	23.3	315	eP	09 50 18.0	0.4			sP	11 19 44.0	0.2						
SNY	23.9	323	+iP	09 50 23.0	-0.7			PcP	11 21 25.2	0.8						
			PMZ		m <sub>b</sub> = 5.1	0.8	0.072	ScP	11 25 06.2	1.6						
			PP	09 50 58.4	-4.9			eS	11 25 14.0	2.7						
			eS	09 54 30.0	2.3			-P	11 19 26.0	-0.6						
			LZ			28.0	0.35	PMZ		m <sub>b</sub> = 5.1	0.8					
CN2	24.4	329	+P	09 50 28.5	0.5			pP	11 19 44.5	-0.2						
			PMZ		m <sub>b</sub> = 4.5	0.7	0.013	PcP	11 21 29.0	0.7						
			eS	09 54 33.0	-2.4			eS	11 25 30.0	0.5						
			LZ			18.0	0.40	+iP	11 19 28.8	0.3						
TIA	25.2	305	-P	09 50 35.1	-0.8			iS	11 25 31.0	-2.0						
WHN	26.0	291	+P	09 50 44.0	0.8			+iP	11 19 33.0	1.5						
			eS	09 55 01.0	-1.3			pP	11 19 51.5	2.0						
BJI	27.5	312	P	09 50 54.0	-3.0			ScP	11 25 13.5	1.8						
TIY	29.2	305	eP	09 51 13.0	0.3			S	11 25 40.0	2.6						
			eS	09 55 50.0	-4.9			LZ		M <sub>S</sub> = 4.2	26.0					
			LN			12.0	0.44	+P	11 19 46.7	-0.3						
			LZ			14.0	0.60	-P	11 19 56.8	0.6						
HHC	31.0	311	eP	09 51 26.0	-2.5			eP	11 20 02.6	-1.1						
XAN	31.1	297	P	09 51 28.1	-0.8			eP	11 20 09.5	0.4						
GYA	32.6	282	P	09 51 42.8	0.4			PMZ		m <sub>b</sub> = 5.7	1.0					
			S	09 56 50.0	3.3			pP	11 20 27.0	-0.2						
CD2	35.1	290	P	09 52 03.4	-0.2			PP	11 22 02.0	5.0						
LZH	35.5	299	eP	09 52 07.5	0.2			ScP	11 25 34.0	3.6						
			LZ			28.0	0.57	S	11 26 45.0	0.4						
KMI	36.2	280	eP	09 52 15.0	1.5			eSS	11 29 58.8	-3.4						
GTA	39.2	304	eP	09 52 37.8	-0.4			LE		M <sub>S</sub> = 5.1	25.0					
WMQ	48.8	308	P	09 53 55.4	0.3			LZ		M <sub>S</sub> = 4.5	30.0					
								eP	11 20 14.0	-0.7						
<p>DEC 3d 10h 58m 18.0 ± 0.21s, SD2.16 / 33                      21.08 N ± 2.64km, 93.57 E ± 1.67km, h48 ± 0.65km                      Burma (296)                      M<sub>S</sub>4.5 / 1, M<sub>L</sub>4.5 / 1, m<sub>b</sub>4.8 / 2,</p>							XAN	42.9	354	+P	11 19 46.7	-0.3				
LSA	8.9	346	-P	11 00 26.2	-0.6			-P	11 19 56.8	0.6						
KMI	9.3	63	-P	11 00 36.0	2.7			eP	11 20 02.6	-1.1						
			sP	11 00 45.0	-2.9			eP	11 20 09.5	0.4						
			sS	11 02 24.0	-4.7			PMZ		m <sub>b</sub> = 5.7	1.0					
			LE			15.0	3.80	pP	11 20 27.0	-0.2						
			LZ			28.0	9.60	PP	11 22 02.0	5.0						
XAN	18.7	43	eP	11 02 33.0	-2.4			ScP	11 25 34.0	3.6						
GTA	19.0	15	eP	11 02 36.4	-2.8			S	11 26 45.0	0.4						
WHN	20.9	59	eP	11 03 02.2	3.2			eSS	11 29 58.8	-3.4						
			pP	11 03 11.0	0.9			LE		M <sub>S</sub> = 5.1	25.0					
WMQ	23.2	349	P	11 03 22.6	0.8			LZ		M <sub>S</sub> = 4.5	30.0					
KSH	23.8	324	eP	11 03 30.5	2.8			eP	11 20 14.0	-0.7						
								S	11 26 52.0	-2.9						
<p>DEC 3d 11h 11m 53.7 ± 0.16s, SD1.32 / 88                      8.89 S ± 2.16km, 113.50 E ± 2.20km, h76 ± 0.34km                      South of Java (282)                      M<sub>S</sub>4.9 / 4, m<sub>b</sub>5.5 / 23,</p>							TIY	46.4	359	eP	11 20 14.0	-0.7				
QZN	28.0	353	eP	11 17 40.2	0.5			LE		M <sub>S</sub> = 4.7	14.0					
								LZ		M <sub>S</sub> = 4.8	25.0					
								eP	11 20 28.6	0.1						
								eP	11 20 32.5	-0.6						
								PMZ		m <sub>b</sub> = 5.1	1.0					
								PcP	11 21 57.5	0.6						
								eScP	11 25 45.0	1.7						
								P	11 20 37.0	-0.9						
								eS	11 27 35.0	-3.0						
								LN		M <sub>S</sub> = 5.1	14.0					
								LE		M <sub>S</sub> = 5.1	14.0					
								eP	11 20 39.0	-0.3						
								+iP	11 20 41.0	0.3						
								PcP	11 22 01.2	0.9						
								-P	11 20 53.2	0.5						
								PMZ		m <sub>b</sub> = 5.5	0.6					
								pP	11 21 10.4	-0.9	0.040					
								S	11 28 00.0	-3.8						
								LZ		M <sub>S</sub> = 4.2	28.0					
								+P	11 21 08.0	-1.5						
								PMZ		m <sub>b</sub> = 5.3	1.0					
								pP	11 21 25.8	-2.3	0.040					
								eS	11 28 34.0	-1.5						
								eP	11 21 20.2	-1.4						
								+iP	11 21 36.5	-1.2						





Station	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time		
KSH	59.4	327	PMZ		$m_b = 5.5$				1.2	0.080								
			pP	11 21	57.5				1.2									
			S	11 29	25.2				-1.0									
			ScS	11 31	15.0				-0.3									
			LZ			$M_s = 4.5$				28.0	0.59							
			eP	11 21	50.2				-1.4									
			eS	11 29	51.0			-2.6										
DEC 3d 14h 16m $50.3 \pm 0.40s$ , SD1.90 / 80 $7.62 S \pm 4.42km$ , $74.36 W \pm 4.62km$ , $h166 \pm 3.34km$ Peru-Brazil border region (112) $m_b 6.3 / 23$																		
MDJ	137.7	334	PKHKP	14 35	50.0			-1.3										
			PP	14 38	46.0			-1.5										
			LZ						25.0	3.32								
KSH	138.5	35	PKP	14 36	03.0			5.3										
			SKS	14 42	55.0			6.8										
			LE						16.0	3.00								
CN2	140.0	338	LZ					42.0	5.30									
			PKHKP	14 35	55.0			-1.3										
			PKP	14 35	57.0			-1.9										
			sPKP	14 36	55.0			-5.1										
WMQ	140.7	21	PP	14 38	57.0			-4.7										
			PPMZ			$m_b = 6.1$			8.0	1.40								
			LE						20.0	2.00								
			LZ						42.0	4.70								
			PKHKP	14 35	54.4			-1.4										
			PKP	14 36	02.0			1.9										
SNY	142.4	338	PP	14 39	08.0			2.3										
			SKKS	14 45	44.0			6.6										
			SS	14 57	16.0			1.7										
			LZ						36.0	6.07								
			PKHKP	14 35	58.0			-1.3										
			PP	14 39	10.0			-6.0										
DL2	145.7	338	PPMZ					18.0	2.84									
			pPP	14 39	50.0													
			SS	14 57	30.0			-4.7										
			LZ						57.0	8.19								
			-iPKP	14 36	10.0			0.0										
			pPKP	14 36	50.0			-2.4										
BJI	146.4	345	ePP	14 39	33.0			-2.1										
			PPMZ			$m_b = 6.1$			9.0	1.67								
			eSS	14 58	20.0			0.5										
			LZ						56.0	9.00								
			ePKP	14 36	12.8			1.3										
			PP	14 39	40.6			0.8										
BTO	146.9	354	PPMZ			$m_b = 6.0$			8.0	1.38								
			ePKP	14 36	13.0			0.8										
			PKP2	14 36	18.0			1.0										
			pPKP	14 36	52.0			-2.5										
			pPKP2	14 36	56.0													
			PP	14 39	46.0			3.6										
GTA	147.9	9	SS	14 58	27.0			0.6										
			LN						20.0	2.20								
			LE						18.0	1.10								
			ePKP	14 36	14.0			0.1										
			PKP2	14 36	24.0			3.1										
			pPKP	14 36	56.0			-0.3										
TIY	149.4	349	PP	14 39	50.0			1.7										
			PPMZ			$m_b = 6.0$			10.0	1.60								
			SKKS	14 46	22.0			3.2										
			SS	14 58	40.0			2.7										
			LE															
			LZ															
TIA	149.7	341	ePKP	14 36	17.0			0.5										
			pPKP	14 37	02.0			2.7										
			PP	14 39	51.6			-6.1										
			PPMZ			$m_b = 6.1$			10.0	2.20								
			LN						18.0	1.20								
			LE						17.0	1.10								
LZH	151.6	3	LZ					44.0	5.10									
			ePKP	14 36	21.0			1.4										
			PKP2	14 36	40.0			3.8										
			pPKP2	14 37	10.0													
			PP	14 40	07.0			-1.6										
			PPMZ			$m_b = 6.2$			10.0	2.37								
SSE	152.5	330	pPP	14 40	40.0													
			SKKS	14 46	40.0			0.8										
			SS	14 59	16.0			-1.8										
			LN						24.0	4.10								
			LZ						35.0	4.73								
			-PKP	14 36	21.0			0.3										
NJ2	152.8	335	pPKP	14 37	03.0			-0.4										
			sPKP	14 37	19.0			-1.7										
			PKS	14 39	54.0			1.5										
			PP	14 40	11.0			-2.4										
			PPMZ			$m_b = 6.3$			10.0	2.65								
			eSKS	14 43	10.0			1.7										
XAN	153.5	354	eSS	14 59	27.0			-0.4										
			LE						14.0	1.26								
			LZ						22.0	2.12								
			+PKP	14 36	21.4			0.4										
			iPP	14 40	13.0			-2.1										
			PPMZ			$m_b = 6.3$			11.0	2.86								
LSA	154.2	30	pPP	14 40	54.0													
			LZ						21.0	1.86								
			ePKP	14 36	23.0			0.8										
			PP	14 40	17.0			-2.9										
			SKKS	14 46	52.0			2.2										
			PKP	14 36	27.0			3.5										
WHN	155.8	341	pPKP	14 37	08.0			2.2										
			SKKS	14 47	00.0			6.9										
			LN						12.0	1.05								
			LE						10.0	0.49								
			-PKP	14 36	26.8			1.7										
			PKP2	14 36	54.0			0.2										
CD2	156.8	4	pPKP	14 37	10.0			2.1										
			PP	14 40	27.0			-5.4										
			PPMZ			$m_b = 5.9$			9.0	1.09								
			LE						22.0	2.56								
			LZ						28.0	2.56								
			PKP	14 36	28.5			2.0										
QZH	158.8	326	PP	14 40	36.0			-1.4										
			pPP	14 41	13.0													
			SKKS	14 47	09.0			1.1										
			SS	15 00	10.0			-2.9										
			+PKP	14 36	30.5			1.5										
			PKP2	14 37	08.0			1.3										
			pPKP	14 37	11.5			-0.3										
			pPKP2	14 37	47.0													
			PP	14 40	50.0			1.4										
			PPMZ			$m_b = 6.4$			8.0	2.54								
			pPP	14 41	29.0													





GYA	161.2 357	SS	15 00 31.0	-4.0	20.0	9.09	GYA	90.8 324	LN	$M_s = 5.4$	26.0	1.41		
		LN									P	21 45 30.6	4.3	
		PKP	14 36 33.4	1.6					sS	21 56 28.0	-4.6			
		pPKP	14 37 15.0	0.6					LZ	$M_s = 5.3$	40.0	2.10		
		PKP2	14 37 18.0	0.7					KMI	90.8 320	-P	21 45 27.0	0.3	
		pPKP2	14 37 58.0						SKS	21 56 00.0	6.4			
		PP	14 40 58.0	-3.9					SSE	91.3 337	LZ	$M_s = 6.0$	25.0	6.80
		pPP	14 41 38.0						eP	21 45 32.0	3.2			
		SKKS	14 47 34.0	2.5					pP	21 45 36.0	-0.9			
		SS	15 00 54.0	-5.6					SKS	21 56 02.0	5.5			
KMI	162.4 9	LZ		40.0	1.70	eS	21 56 26.0	1.8						
		-PKP	14 36 35.0	2.0	SS	22 02 38.0	6.5							
		pPKP	14 37 19.5	4.0	LN	$M_s = 5.9$	20.0	1.79						
		PP	14 41 05.0	-2.5	LE		20.0	1.86						
		PPMZ	$m_b = 6.3$	5.0	1.30	WHN	92.4 331	eP	21 45 31.5	-2.2				
		LN		20.0	0.50	SKS	21 56 04.0	1.5						
		PKP	14 36 34.0	0.7	eS	21 56 32.0	-1.6							
		pPKP	14 37 17.5	1.4	SS	22 02 44.0	-2.6							
		PKP2	14 37 23.5	-1.1	LN	$M_s = 6.1$	24.0	5.56						
		PP	14 41 10.5	0.2	LZ	$M_s = 5.2$	30.0	1.17						
GZH	162.9 335	PPMZ	$m_b = 6.3$	10.0	2.70	NJ2	92.8 336	+P	21 45 35.6	0.3				
		ePKP	14 36 39.2	1.6	LZ	$M_s = 5.4$	22.0	1.57						
		pPKP	14 37 17.5	-2.9	DEC 3d 21h 35m $02.8 \pm 0.17s$ , SD1.25 / 39 5.03 S $\pm 1.49km$ , 152.33 E $\pm 0.85km$ , h54 $\pm 1.38km$ New Britain region (192) $M_s 5.2 / 3$ , $m_b 4.9 / 1$ ,									
		PKP2	14 37 47.0	0.5										
		PP	14 41 35.0	-1.4										
		SS	15 02 08.0	-0.6										
		LE		21.0					6.30					
		QZN	48.2 301	eP					21 43 39.8	-0.5				
		WHN	50.7 317	eP					21 43 58.0	-1.6				
		BJI	55.8 327	eP					21 44 38.0	0.5				
LN	$M_s = 5.2$	20.0	1.38											
LZ	$M_s = 5.3$	20.0	2.40											
QZN	167.9 341	DEC 3d 19h 55m $06.2 \pm 0.10s$ , SD1.14 / 55 7.38 S $\pm 1.20km$ , 128.57 E $\pm 1.83km$ , h102 $\pm 0.33km$ Banda Sea (280) $m_b 5.4 / 9$ ,												
		ePKP	14 36 39.2	1.6	XAN	56.5 317	P	21 44 41.2	-1.0					
		pPKP	14 37 17.5	-2.9	KMI	56.7 304	eP	21 44 45.0	0.8					
		PKP2	14 37 47.0	0.5	CD2	58.5 311	eP	21 45 01.2	4.5					
		PP	14 41 35.0	-1.4	BTO	59.7 324	eP	21 45 04.0	-0.9					
		SS	15 02 08.0	-0.6	LZH	61.1 316	eP	21 45 14.5	0.2					
		LE		21.0	6.30	PMZ	$m_b = 4.9$	1.0	0.016					
		eP	20 01 27.0	1.0	sP	21 45 33.5	0.2							
		eP	20 01 38.2	-0.6	LN	$M_s = 5.3$	21.0	1.14						
		eP	20 02 24.0	0.3	LE		23.0	1.17						
-P	20 02 32.8	1.5	LZ	$M_s = 5.2$	26.0	2.42								
PcP	20 04 36.0	0.5	GTA	65.5 318	eP	21 45 43.4	-0.1							
eP	20 02 30.0	-3.6	LZ	$M_s = 5.1$	24.0	1.54								
pP	20 02 56.0	-1.0	LSA	68.0 305	eP	21 46 00.0	0.5							
+P	20 02 36.0	0.8	WMQ	75.6 318	P	21 46 44.3	-0.2							
+P	20 02 42.5	1.7	KSH	82.8 311	P	21 47 25.2	1.7							
P	20 03 12.6	-0.1	epP	21 47 40.0	2.8									
P	20 03 14.2	-1.1	eS	21 57 41.0	4.9									
-P	20 03 30.8	-1.2	DEC 3d 22h 59m $45.8 \pm 0.08s$ , SD1.71 / 28 22.11 N $\pm 0.92km$ , 121.15 E $\pm 1.24km$ , h46 $\pm 1.16km$ Taiwan region (243) $M_s 3.5 / 1$ , $M_L 4.0 / 11$ ,											
PMZ	$m_b = 5.4$	0.6	0.030	QZH	3.7 321	eP	23 00 40.2	-1.5						
eP	20 03 40.0	-1.4		S	23 01 17.1	-6.1								
PMZ	$m_b = 4.8$	1.0	0.012	SMN	$M_L = 3.8$	0.8	0.20							
+P	20 03 46.0	0.3		SME		0.8	0.26							
PMZ	$m_b = 5.7$	1.2	0.12	LE	$M_s = 3.5$	6.0	0.71							
eP	20 04 00.0	-0.3		GZH	7.3 279	eP	23 01 32.3	0.0						
P	20 04 05.4	0.9		SMN	$M_L = 4.2$	1.0	0.10							
+iP	20 04 19.0	-1.0		SME		1.0	0.10							
PMZ	$m_b = 5.5$	0.8	0.050	SSE	9.0 0	eP	23 01 55.3	-0.2						
P	20 05 24.6	-0.2		SMN	$M_L = 3.8$	1.1	0.012							
P	20 05 54.2	0.8		SME		1.0	0.019							
DEC 3d 21h 32m $22.9 \pm 0.56s$ , SD2.13 / 23 57.76 S $\pm 2.58km$ , 148.04 E $\pm 6.83km$ , h25 $\pm 2.47km$ West of Macquarie Island (701) $M_s 5.8 / 9$ ,				WHN	10.4 325	eP	23 02 14.5	-0.6						
QZN	82.8 324	P	21 44 47.0	-0.4	pP	23 02 17.0	-5.1							
S	21 55 04.0	2.4		eS	23 04 15.5	5.1								
SS	22 00 31.5	3.5												
LE	$M_s = 5.8$	17.0	2.27											
eP	21 45 06.5	3.2												
SKS	21 55 30.0	6.6												
S	21 55 38.5	5.5												
SS	22 01 10.0	-4.6												



				1.0	0.040
		SMN		1.0	0.050
		SME			
QZN	11.0	256	eP	23 02 24.4	0.5
			eS	23 04 32.2	6.1
TIY	17.3	336	eP	23 03 47.2	1.6
BJI	18.4	348	eP	23 03 59.0	0.0
HHC	20.4	339	eP	23 04 21.7	0.2
BTO	20.7	335	P	23 04 27.6	2.6

DEC 4d 03h 05m 57.7±0.10s, SD1.24 / 48  
7.43 S±1.21km, 128.12 E±1.96km, h138±0.32km  
Banda Sea (280)  
m<sub>b</sub>4.9 / 9,

QZN	31.9	326	eP	03 12 13.0	0.7
QZH	33.5	344	-P	03 12 25.7	-0.5
SSE	38.9	351	P	03 13 11.8	0.2
			PMZ	m <sub>b</sub> =4.7	0.6 0.0090
GYA	39.6	329	P	03 13 19.2	1.5
WHN	40.0	341	+P	03 13 22.5	1.6
			PMZ	m <sub>b</sub> =5.3	1.5 0.090
NJ2	40.2	348	+P	03 13 23.0	0.1
KMI	40.7	323	+P	03 13 29.0	2.0
XAN	45.1	337	+P	03 14 01.5	-0.7
TIY	47.2	343	eP	03 14 17.8	-1.4
BJI	48.5	348	eP	03 14 28.5	-0.4
			PMZ	m <sub>b</sub> =5.1	1.5 0.052
LZH	48.9	334	+P	03 14 32.5	0.1
			PMZ	m <sub>b</sub> =5.4	1.8 0.100
CN2	51.0	358	eP	03 14 47.0	-1.4
LSA	51.2	318	+P	03 14 51.2	0.9
GTA	53.5	333	+iP	03 15 06.4	-0.2
WMQ	62.7	328	P	03 16 10.8	-0.4
KSH	67.1	318	eP	03 16 38.0	-1.4

DEC 4d 06h 42m 30.9±0.14s, SD1.24 / 59  
15.49 S±3.06km, 173.10 W±2.05km, h74±0.56km  
Tonga (173)  
M<sub>s</sub>5.3 / 5, m<sub>b</sub>5.9 / 10, m<sub>b</sub>5.2 / 12,

QZH	77.7	300	eP	06 54 24.0	1.8
SSE	78.2	307	eP	06 54 24.5	-0.5
			pP	06 54 47.4	3.3
			eS	07 04 10.0	-3.1
			LZ	M <sub>s</sub> =5.2	24.0 1.51
NJ2	80.4	307	eP	06 54 36.3	-0.6
			LZ	M <sub>s</sub> =5.2	26.0 1.36
CN2	81.3	320	-P	06 54 40.5	-1.2
			PMZ	m <sub>b</sub> =5.2	1.0 0.033
			PMZ	m <sub>b</sub> =5.9	4.0 0.70
			pP	06 55 00.0	-0.9
			eS	07 04 39.0	-6.7
			SMN	m <sub>b</sub> =6.0	8.0 0.60
			SME		8.0 0.70
			LZ	M <sub>s</sub> =5.4	24.0 2.00
DL2	81.4	314	-P	06 54 42.0	-0.2
			PMZ	m <sub>b</sub> =5.9	4.0 0.71
			pP	06 55 00.0	-1.5
			SMN	m <sub>b</sub> =6.3	9.0 1.66
			SME		9.0 1.09
			LZ	M <sub>s</sub> =5.1	24.0 0.98
SNY	81.5	318	-iP	06 54 42.0	-0.7
			pP	06 55 00.0	-1.9
			S	07 04 45.0	-1.0
			SMN		14.0 1.53
			SME		16.0 1.16
			ScS	07 04 56.0	-5.1
			LZ	M <sub>s</sub> =5.2	26.0 1.47
QZN	83.2	292	eP	06 54 54.0	2.7
			sP	06 55 16.5	-2.4

WHN	83.4	304	eS	07 05 05.0	0.4
			eP	06 54 50.0	-2.1
			PMZ	m <sub>b</sub> =5.8	6.0 0.69
			pP	06 55 07.7	-3.8
			LN	M <sub>s</sub> =5.6	20.0 1.32
			LE		24.0 0.96
TIA	83.5	310	eP	06 54 52.3	-0.4
			S	07 05 12.0	6.3
			LZ	M <sub>s</sub> =5.0	31.0 0.91
BJI	85.7	313	eP	06 55 04.0	0.1
			PMZ	m <sub>b</sub> =5.6	2.0 0.14
			PMZ	m <sub>b</sub> =5.8	5.0 0.48
			epP	06 55 24.0	0.7
			eS	07 05 24.0	-5.6
			LZ	M <sub>s</sub> =5.2	28.0 1.38
TIY	87.5	310	-P	06 55 12.5	-0.2
			pP	06 55 32.5	0.4
			sP	06 55 43.6	3.3
			SKS	07 05 36.0	5.7
			LE	M <sub>s</sub> =5.6	20.5 1.61
			LZ	M <sub>s</sub> =5.3	26.0 1.71
GYA	88.3	298	P	06 55 18.6	2.0
			pP	06 55 37.6	1.6
XAN	88.9	306	P	06 55 19.5	0.2
HHC	89.3	313	+P	06 55 20.0	-1.2
			pP	06 55 40.7	0.1
			S	07 05 57.2	-4.2
			SMN	m <sub>b</sub> =6.1	8.0 1.63
			SME		10.0 0.65
			LZ	M <sub>s</sub> =4.5	40.0 0.40
BTO	90.3	312	P	06 55 26.0	0.1
			pP	06 55 47.0	1.6
			ePP	06 58 59.0	-2.5
			eSKS	07 05 49.0	1.6
			eS	07 06 09.0	-3.5
KMI	91.3	296	eP	06 55 32.5	1.7
			pP	06 55 47.0	-3.1
			sP	06 55 56.0	-2.3
			LZ	M <sub>s</sub> =5.3	32.0 1.60
LZH	93.5	306	eP	06 55 40.5	-0.2
			PMZ	m <sub>b</sub> =5.3	2.0 0.033
			pP	06 56 03.0	2.8
			eSKS	07 06 06.0	0.4
			eS	07 06 35.0	-5.7
			LE	M <sub>s</sub> =5.0	12.0 0.22
			LZ	M <sub>s</sub> =5.3	35.0 1.97
GTA	97.5	309	eP	06 55 58.6	-0.1
			LZ	M <sub>s</sub> =5.3	25.0 1.30

DEC 4d 09h 18m 35.9±0.09s, SD1.73 / 23  
39.72 N±1.85km, 143.26 E±2.33km, h38±0.87km  
Near east coast of Honshu (228)

WHN	25.3	258	P	09 23 59.5	-0.9
			pP	09 24 05.5	-4.7
GYA	33.2	258	P	09 25 11.0	-0.4
GTA	33.2	284	eP	09 25 12.8	0.6
WMQ	41.0	294	P	09 26 18.2	0.9

DEC 4d 14h 20m 46.0±0.18s, SD2.52 / 16  
23.77 N±1.87km, 114.52 E±0.93km, h17±0.19km  
Near south-eastern coast of China (242)  
M<sub>L</sub>4.0 / 14,

GZH	1.3	238	Pn	14 21 09.0	-0.6
			Pg	14 21 10.7	1.9
			Sg	14 21 27.7	1.3
			SMN	M <sub>L</sub> =4.1	0.5 3.72
			SME		0.5 2.32
QZH	3.9	72	ePn	14 21 44.0	-1.5







DEC 5d 04h 40m 32.4 ± 0.09s, SD1.09 / 12  
16.05 S ± 2.36km, 172.60 W ± 1.55km, h5 ± km  
Tonga (173)  
m<sub>b</sub>5.1 / 10,

CN2	82.1	320	+P	04 52	55.6	-0.6		
BJI	86.5	313	eP	04 53	17.0	-1.4		
TIY	88.3	310	eP	04 53	27.4	0.3		

TIY	74.3	317	+P	18 24	23.6	-0.3		
XAN	74.7	313	P	18 24	25.7	-0.3		
KMI	75.2	302	-P	18 24	30.0	1.0		
GTA	83.7	314	eP	18 25	15.2	0.7		
WMQ	93.7	314	eP	18 26	02.0	-0.1		

DEC 5d 05h 07m 57.3 ± 0.04s, SD0.88 / 42  
23.98 N ± 1.53km, 141.95 E ± 1.06km, h147 ± 0.96km  
Volcano Islands region (213)  
m<sub>b</sub>5.1 / 10,

SSE	19.7	296	-P	05 12	18.0	0.4	0.8	0.097
			PMZ		m <sub>b</sub> = 5.2			
QZH	21.3	277	eP	05 12	33.0	-0.5		
NJ2	21.9	297	+iP	05 12	40.0	0.6		
			PMZ		m <sub>b</sub> = 5.2		0.8	0.090
MDJ	22.9	337	eP	05 12	50.8	1.3		
SNY	23.5	324	eP	05 12	54.8	0.1		
TIA	24.6	305	+P	05 13	05.6	-0.1		
WHN	25.4	291	P	05 13	13.0	0.4		
BJI	27.0	313	eP	05 13	28.0	0.7		
TIY	28.7	305	eP	05 13	42.6	-0.3		
XAN	30.5	297	P	05 13	58.4	-0.4		
GYA	32.0	282	P	05 14	11.6	-0.4		
LZH	34.9	299	eP	05 14	37.4	0.1		
			PMZ		m <sub>b</sub> = 5.1		1.5	0.050
GTA	38.6	304	eP	05 15	08.4	-0.2		

DEC 5d 18h 23m 27.5 ± 0.14s, SD0.98 / 58  
5.64 S ± 1.10km, 149.57 E ± 2.84km, h161 ± 0.48km  
New Britain region (192)  
m<sub>b</sub>4.9 / 11,

QZH	42.8	317	+P	18 31	11.6	0.3		
SSE	45.5	325	-P	18 31	33.2	0.4		
			PMZ		m <sub>b</sub> = 4.9		1.0	0.026
NJ2	47.5	324	+iP	18 31	49.7	0.8		
WHN	49.3	319	+P	18 32	03.5	1.1		
			PMZ		m <sub>b</sub> = 4.8		0.9	0.020
DL2	51.3	332	eP	18 32	18.0	0.2		
TIA	51.6	326	eP	18 32	18.8	-0.7		
GYA	52.4	310	P	18 32	27.0	1.1		
SNY	52.9	336	eP	18 32	28.8	-0.5		
MDJ	53.2	342	eP	18 32	31.5	0.1		
CN2	53.8	338	P	18 32	38.8	2.5		
KMI	54.8	306	+P	18 32	45.0	1.1		
BJI	54.9	329	eP	18 32	42.0	-2.0		
XAN	55.1	319	P	18 32	45.4	0.0		
TIY	55.3	324	eP	18 32	45.5	-1.4		
HHC	57.9	327	eP	18 33	06.0	0.4		
BTO	58.6	325	eP	18 33	10.7	0.3		
LZH	59.6	318	eP	18 33	18.0	0.4		
WMQ	74.2	318	eP	18 34	49.0	-0.1		

DEC 5d 10h 54m 09.6 ± 0.22s, SD1.29 / 59  
5.72 S ± 1.41km, 151.03 E ± 1.52km, h61 ± 1.51km  
New Britain region (192)  
m<sub>b</sub>5.2 / 6,

QZH	43.9	315	-iP	11 02	15.2	3.0		
SSE	46.4	324	eP	11 02	33.0	0.6		
QZN	47.4	302	eP	11 02	40.5	0.0		
NJ2	48.5	323	+P	11 02	49.5	0.9		
WHN	50.3	318	+P	11 03	03.5	0.7		
			PMZ		m <sub>b</sub> = 5.4		0.7	0.030
			pP	11 03	15.7	-1.8		
DL2	52.1	331	eP	11 03	18.6	2.5		
SNY	53.5	335	eP	11 03	26.2	-0.7		
			pP	11 03	40.8	-1.1		
GYA	53.6	309	P	11 03	28.0	0.7		
BJI	55.7	328	eP	11 03	41.0	-1.7		
XAN	56.1	318	P	11 03	44.6	-0.9		
TIY	56.2	323	eP	11 03	43.4	-2.9		
HHC	58.8	326	eP	11 04	04.0	-0.6		
BTO	59.5	325	eP	11 04	09.6	0.1		
LZH	60.7	317	eP	11 04	17.3	-0.4		
			PMZ		m <sub>b</sub> = 5.2		1.0	0.030
			pP	11 04	29.0	-3.5		
GTA	65.1	318	eP	11 04	46.4	-0.8		
WMQ	75.2	318	eP	11 05	45.8	-2.6		
KSH	82.2	311	eP	11 06	27.0	0.3		

DEC 5d 21h 21m 14.4 ± 0.15s, SD0.92 / 41  
20.79 S ± 1.62km, 178.59 W ± 2.46km, h618 ± 0.77km  
Fiji region (181)  
m<sub>b</sub>4.8 / 4,

QZH	76.1	304	eP	21 32	02.0	-0.2		
NJ2	79.6	310	+P	21 32	21.5	0.5		
MDJ	80.4	325	eP	21 32	25.5	0.3		
SNY	82.1	320	+P	21 32	33.4	-0.1		
WHN	82.2	307	-P	21 32	34.5	0.5		
CN2	82.2	323	-P	21 32	33.6	-0.5		
TIA	83.1	313	eP	21 32	38.1	-0.3		
BJI	85.7	316	eP	21 32	51.0	-0.3		
GYA	86.3	300	P	21 32	55.0	0.7		
TIY	87.1	312	eP	21 32	57.0	-0.8		
XAN	87.9	308	P	21 33	01.6	0.0		
KMI	89.0	297	-P	21 33	08.0	1.0		
GTA	96.7	309	eP	21 33	41.0	-1.1		

DEC 5d 18h 13m 03.6 ± 0.13s, SD0.91 / 42  
15.84 S ± 1.30km, 167.61 E ± 0.11km, h178 ± 1.40km  
Vanuatu (New Hebrides) (186)  
m<sub>b</sub>4.6 / 7,

NJ2	66.7	316	+P	18 23	37.9	-0.2		
WHN	68.9	312	eP	18 23	52.0	0.2		
DL2	69.4	323	eP	18 23	54.8	0.2		
MDJ	69.4	332	eP	18 23	54.0	-0.8		
SNY	70.3	327	eP	18 24	00.6	0.3		
CN2	70.8	329	-P	18 24	02.4	-0.6		
GYA	72.6	305	P	18 24	14.4	0.2		
BJI	73.3	321	eP	18 24	17.5	-0.7		
			PMZ		m <sub>b</sub> = 4.6		0.8	0.010

DEC 6d 01h 54m 51.7 ± 0.10s, SD0.94 / 23  
5.87 S ± 0.56km, 107.57 E ± 0.42km, h315 ± 1.30km  
Java (277)

GYA	32.1	358	P	02 00	53.8	1.0		
CD2	36.8	355	P	02 01	31.9	0.2		
TIA	42.8	11	eP	02 02	20.4	-0.7		
TIY	43.6	6	+iP	02 02	26.9	-0.6		
GTA	45.6	352	+iP	02 02	44.2	0.6		

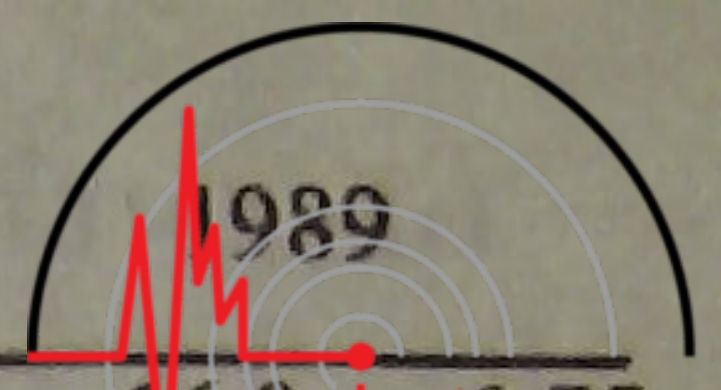
DEC 6d 03h 27m 04.8 ± 0.08s, SD0.75 / 53  
6.76 N ± 1.00km, 123.67 E ± 1.14km, h614 ± 0.52km  
Mindanao (259)  
m<sub>b</sub>4.7 / 7,

QZN	18.2	313	-P	03 30	42.7	0.0		
QZH	18.7	345	P	03 30	48.0	0.1		
WHN	25.2	341	P	03 31	46.7	0.3		
GYA	25.4	322	-P	03 31	48.6	0.3		
			ScP	03 37	40.0	-0.1		
			ScS	03 41	30.0	0.3		









LSA	51.9	316	eS	05 35 35.0	-6.4	3.5	1.28
			+P	05 28 47.6	-0.2		
			PMZ	$m_b = 6.2$			
			pP	05 29 16.0	1.3		
			iS	05 35 59.0	-1.8		
GTA	53.5	331	sS	05 36 47.0	-0.8	2.0	1.60
			+iP	05 28 59.0	0.0		
			PMZ	$m_b = 6.6$			
			PcP	05 30 04.6	1.2		
			S	05 36 18.8	-1.2		
WMQ	63.0	327	ScS	05 38 33.8	1.7	2.0	2.11
			+iP	05 30 05.0	0.0		
			PMZ	$m_b = 6.7$			
			S	05 38 24.0	0.9		
			LZ		12.0		
KSH	67.8	317	-iP	05 30 36.0	0.2	12.0	0.35
			pP	05 31 04.0	-0.3		
			S	05 39 28.0	6.3		
			sS	05 40 16.0	3.2		

DEC 6d 05h 33m  $09.5 \pm 0.09s$ , SD1.88 / 10  
 43.37 N  $\pm 1.50km$ , 16.91 E  $\pm 1.22km$ ,  $h_{22} \pm 0.48km$   
 Adriatic Sea (382)

CD2	67.4	68	eP	05 44 07.4	1.2
BJI	69.6	54	eP	05 44 18.0	-1.8

DEC 6d 08h 41m  $06.4 \pm 0.10s$ , SD1.31 / 81  
 32.45 N  $\pm 1.40km$ , 141.68 E  $\pm 1.71km$ ,  $h_{34} \pm 0.26km$   
 South of Honshu (211)  
 $M_s 4.9 / 26$ ,  $m_b 5.0 / 3$ ,  $m_b 4.7 / 15$ ,

MDJ	15.4	326	eP	08 44 43.0	0.3	20.0	2.65	
			sS	08 47 44.0	-0.1			
			LZ	$M_s = 4.5$				
CN2	17.0	316	eP	08 45 04.5	0.6	1.0	0.028	
			PMZ	$m_b = 4.6$				
			pP	08 45 12.0	0.4			
			eS	08 48 14.0	3.0			
			LN	$M_s = 4.7$				
SNY	17.2	308	+iP	08 45 08.2	2.6	12.0	0.84	
			PMZ	$m_b = 4.8$				
			PMZ	$m_b = 5.0$				
			S	08 48 15.0	1.5			
			sS	08 48 23.0	-3.3			
			SS	08 48 37.0	2.2			
			LN	$M_s = 4.9$				
			LE		14.0			2.63
			LZ	$M_s = 4.7$				
			LZ		14.0			1.54
SSE	17.5	271	eP	08 45 11.0	1.6	16.0	3.27	
			SS	08 48 48.0	5.6			
			LN	$M_s = 4.6$				
DL2	17.5	297	LE		12.0	1.00		
			LZ	$M_s = 4.1$				
			LZ		18.0	0.91		
NJ2	19.3	275	eP	08 45 14.0	4.3	13.0	2.72	
			LN	$M_s = 5.0$				
			LE		16.0			2.53
TIA	20.6	287	-P	08 45 31.5	-0.1	16.0	1.18	
			LZ	$M_s = 4.4$				
			LZ		18.0			3.60
BJI	21.9	297	eP	08 45 45.0	-0.5	15.0	1.70	
			LN	$M_s = 5.1$				
			LE		15.0			3.70
			LZ	$M_s = 4.8$				
			LZ		18.0			3.60
GTA	20.6	287	eP	08 45 58.0	-0.3	1.5	0.026	
			PMZ	$m_b = 4.4$				
			eS	08 49 54.0	0.9			
			LN	$M_s = 4.7$				
			LE		14.0			0.95

WHN	23.4	273	LZ	$M_s = 4.6$		16.0	1.75	
			+P	08 46 12.0	-1.0			
			sP	08 46 28.0	1.7			
			eS	08 50 19.0	-1.0			
			LN	$M_s = 4.9$				
TIY	24.5	291	LE		15.0	1.24		
			LZ	$M_s = 4.3$				
			LZ		16.0	0.71		
			eP	08 46 23.4	-0.3			
			LN	$M_s = 5.3$				
HHC	25.5	298	LE		15.5	3.60		
			LZ	$M_s = 5.1$				
			LZ		16.0	5.01		
			P	08 46 35.0	1.4			
			LN	$M_s = 4.7$				
BTO	26.6	297	LE		12.0	0.59		
			LZ	$M_s = 4.8$				
			LZ		14.0	1.87		
			eP	08 46 44.0	0.0			
			epP	08 46 53.0	-0.1			
XAN	27.4	282	ePP	08 47 31.0	3.1	15.0	2.00	
			eS	08 51 15.0	0.2			
			LN	$M_s = 5.2$				
			LE		16.0			2.50
			P	08 46 49.5	-1.6			
LZH	31.4	287	eP	08 47 26.0	-0.6	15.0	1.31	
			PMZ	$m_b = 4.8$				
			LN	$M_s = 5.1$				
			LE		16.0			1.37
			LZ	$M_s = 4.7$				
CD2	32.2	278	LZ		18.0	1.50		
			eP	08 47 33.0	-1.0			
			S	08 52 44.0	1.2			
			LN	$M_s = 5.1$				
			LZ	$M_s = 4.8$				
GTA	34.4	294	LZ		16.0	1.52		
			eP	08 47 51.4	-1.4			
			LE	$M_s = 4.8$				
			LZ	$M_s = 4.8$				
			LZ		15.0	1.17		
KMI	34.8	268	eP	08 47 57.0	0.8	18.0	1.80	
			eS	08 53 19.0	-4.8			
			LZ	$M_s = 4.9$				
			LZ		18.0			1.80
			P	08 49 06.8	1.2			
LSA	43.0	280	P	08 49 08.0	1.1	2.0	0.050	
			PMZ	$m_b = 5.0$				
			sP	08 49 22.8	2.3			
			eS	08 55 33.0	1.4			
			sS	08 55 45.0	-2.4			
WMQ	43.3	301	LZ	$M_s = 4.7$		16.0	0.83	
			LZ		16.0			0.83
			P	08 50 21.0	1.0			
			P	08 49 06.8	1.2			
			P	08 49 08.0	1.1			

DEC 6d 12h 53m  $48.8 \pm 0.12s$ , SD2.08 / 71  
 30.27 N  $\pm 1.15km$ , 103.27 E  $\pm 1.06km$ ,  $h_{21} \pm 0.16km$   
 Sichuan Province (307)  
 $M_s 4.4 / 21$ ,  $M_L 4.1 / 6$ ,  $m_b 4.4 / 7$ ,

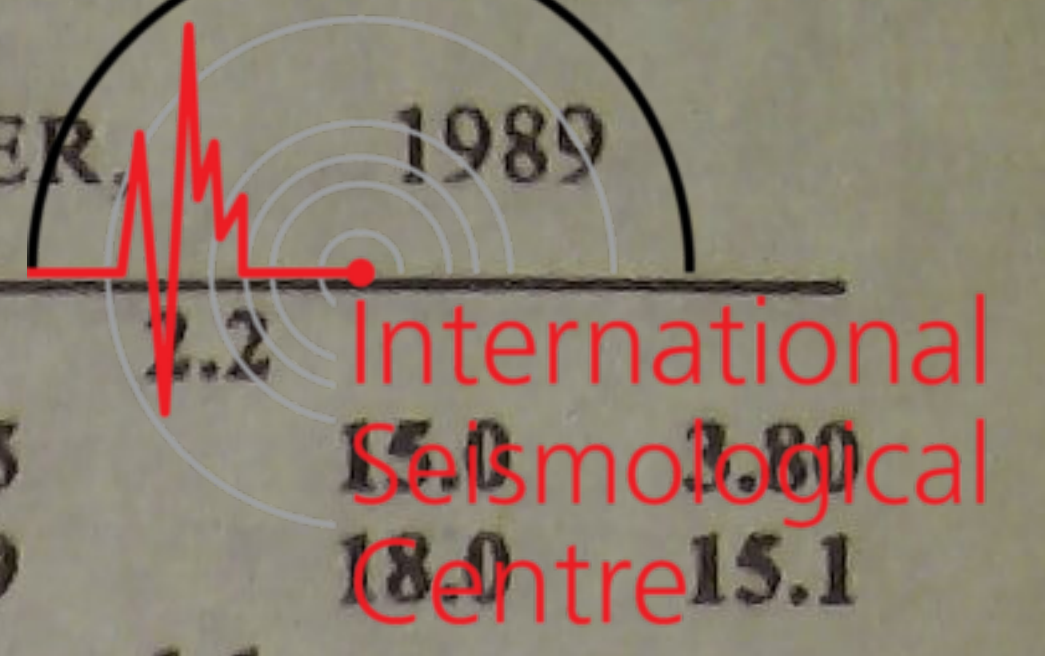
CD2	0.8	33	Pg	12 54 07.4	4.6		
			Sg	12 54 16.5	3.0		
			SMN		3.0	28.2	
GYA	4.8	141	SME		3.0	52.5	
			Pn	12 55 03.0	1.9		
			Sn	12 56 00.6	2.2		
LZH	5.8	5	LN	$M_s = 4.9$		5.0	5.40
			LE		5.0	6.20	
			ePn	12 55 19.0	4.3		
			PMZ	$m_b = 4.3$			
			LN	$M_s = 4.3$			
XAN	6.1	50	LE		7.0	1.98	
			LZ	$M_s = 3.7$			
			LZ		20.0	1.20	
			Pn	12 55 19.1	0.8		
			Pg	12 55 37.1	0.7		
GTA	9.5	344	Sn	12 56 26.3	-3.1		
			Sg	12 56 53.4	-6.2		
			eP	12 56 08.8	0.2		
			Pn	12 55 19.1	0.8		
			Pg	12 55 37.1	0.7		





WHN	9.6	86	LN	$M_s=4.0$	8.0	0.62	$m_b 4.7/2,$	WHN	53.1	320	-P	13 42	23.5	0.8
			LZ	$M_s=4.0$	12.0	0.90		XAN	58.8	320	P	13 43	02.3	-1.9
			eP	12 56	05.5	-3.3		TIY	59.2	325	eP	13 43	04.4	-2.1
			sP	12 56	20.0	1.7		LZH	63.4	318	eP	13 43	35.5	0.5
			SMN								PMZ		$m_b=5.1$	1.5
TIY	10.6	43	SME		0.8	0.22	GTA	67.9	319	P	13 44	04.2	0.3	
			LE	$M_s=4.2$	9.0	0.99	WMQ	78.0	319	P	13 45	03.5	0.4	
			LZ	$M_s=3.8$	16.0	0.71	-----							
			eP	12 56	20.8	-2.6	DEC 6d 17h 09m $02.5 \pm 0.10s$ , SD1.38 / 58							
			LN	$M_s=5.0$	4.0	1.60	32.47 N $\pm 1.39km$ , 141.57 E $\pm 1.72km$ , h48 $\pm 0.36km$							
GZH	11.5	126	LE		5.0	2.01	South of Honshu (211)							
			LZ	$M_s=4.1$	17.0	1.56	$M_s 4.3/13, m_b 4.5/6,$							
			P	12 56	32.8	-2.4	MDJ	15.3	326	eP	17 12	37.5	0.3	
			LN	$M_s=5.0$	6.0	2.45				eS	17 15	28.0	2.9	
			LE		5.0	2.00				LZ	$M_s=4.3$	15.0	1.33	
BTO	11.7	26	eP	12 56	36.0	-1.7	CN2	17.0	316	-P	17 12	59.0	0.8	
			epP	12 56	43.0	-0.4				pP	17 13	12.0	4.5	
			LN	$M_s=4.1$	11.0	0.70				eS	17 16	04.0	0.6	
			LE		10.0	0.30				LN	$M_s=4.2$	13.0	0.60	
			eP	12 56	48.0	-1.2				LZ	$M_s=4.2$	13.0	0.80	
HHC	12.5	30	S	12 59	02.4	-6.1	SNY	17.1	308	+P	17 13	00.6	0.8	
			SMN			1.2	0.18				sP	17 13	14.3	-0.8
			SME			1.2	0.19				eS	17 16	06.0	-0.3
			eP	12 56	56.0	4.8				sS	17 16	20.0	-1.6	
			eS	12 59	11.6	-1.3				LN	$M_s=4.3$	11.0	0.47	
QZN	12.7	150	LE	$M_s=4.4$	6.0	0.70				LE		14.0	0.64	
			eP	12 56	55.1	-0.6				LZ	$M_s=4.3$	13.0	0.95	
			LE	$M_s=4.0$	12.0	0.60	SSE	17.4	271	eP	17 13	03.4	-0.1	
			eP	12 57	01.4	-0.2				sP	17 13	22.4	3.5	
			LZ	$M_s=3.8$	16.0	0.59				LN	$M_s=4.2$	12.0	0.51	
BJI	14.4	44	eP	12 57	12.0	-1.2	DL2	17.4	297	eP	17 13	04.0	0.2	
			LN	$M_s=4.4$	6.0	0.54				eS	17 16	14.0	0.4	
			LZ	$M_s=3.8$	18.0	0.59				LN	$M_s=4.5$	12.0	1.02	
			eP	12 57	26.0	-1.4				LZ	$M_s=4.1$	14.0	0.63	
			pP	12 57	33.0	-0.2	NJ2	19.2	275	eP	17 13	24.0	-1.5	
SSE	15.4	82	LE	$M_s=4.3$	11.0	0.67				LZ	$M_s=3.8$	16.0	0.29	
			LZ	$M_s=4.1$	16.0	0.89	TIA	20.5	287	eP	17 13	41.0	1.5	
			P	12 58	02.7	-1.1				LN	$M_s=4.6$	16.0	0.80	
			PP	12 58	17.2	-1.2				LE		16.0	1.00	
			LZ	$M_s=4.0$	14.0	0.49				LZ	$M_s=4.3$	18.0	1.20	
WMQ	18.3	322	eP	12 58	23.6	0.1	BJI	21.8	297	eP	17 13	51.0	-1.3	
			sP	12 58	36.0	2.3				LZ	$M_s=4.0$	22.0	0.55	
			eP	12 58	46.0	0.4	WHN	23.3	273	P	17 14	05.0	-1.9	
			PMZ	$m_b=4.5$	0.6	0.013				eS	17 18	11.0	-0.7	
			pP	12 58	55.5	3.0				sS	17 18	30.0	-1.1	
SNY	20.0	49	eS	13 02	39.0	-5.1				LN	$M_s=4.7$	15.0	0.83	
			LZ	$M_s=4.0$	20.0	0.50				LE		15.0	0.83	
			eP	12 59	04.0	-1.3	TIY	24.4	291	eP	17 14	16.9	-0.7	
			eP	12 59	16.5	1.5				S	17 18	36.5	6.7	
										LE	$M_s=4.7$	11.5	0.84	
-----							DEC 6d 12h 56m $00.1 \pm 0.08s$ , SD1.13 / 37							
63.25 N $\pm 1.57km$ , 150.25 W $\pm 0.98km$ , h106 $\pm 0.40km$							Central Alaska (1)							
$m_b 5.0/6,$														
MDJ	47.2	286	eP	13 04	22.3	-2.3				LZ	$M_s=4.6$	27.0	2.77	
CN2	49.6	289	+P	13 04	43.6	0.2	HHC	25.4	298	eP	17 14	27.4	-0.1	
SNY	52.0	289	+P	13 05	01.6	0.0	BTO	26.5	297	eP	17 14	36.0	-2.0	
DL2	55.3	288	P	13 05	26.2	0.7				LN	$M_s=4.9$	15.0	1.10	
NJ2	62.3	286	-P	13 06	14.0	0.0				LE		16.0	1.10	
			PMZ	$m_b=5.3$	1.0	0.042	XAN	27.3	282	P	17 14	43.8	-1.2	
GTA	63.6	306	+P	13 06	23.0	0.1	GYA	30.9	268	P	17 15	21.6	4.4	
WMQ	63.8	317	P	13 06	24.6	0.5	CD2	32.1	277	eP	17 15	26.0	-1.9	
WHN	65.5	289	P	13 06	35.0	-0.1	GTA	34.3	294	eP	17 15	45.8	-0.9	
GYA	72.3	294	+P	13 07	17.8	0.6	WMQ	43.2	301	P	17 17	02.0	1.2	
-----							DEC 6d 13h 33m $06.4 \pm 0.10s$ , SD1.06 / 22							
9.52 S $\pm 1.72km$ , 150.90 E $\pm 1.68km$ , h39 $\pm 1.12km$							Eastern New Guinea region (207)							
-----							DEC 6d 20h 54m $20.2 \pm 0.38s$ , SD4.22 / 7							
							KSH	52.5	297	eP	17 18	15.5	1.6	





32.53 N ± 1.49km, 121.64 E ± 3.75km, h8 ± km Eastern China (664) M <sub>L</sub> 3.2 / 7,					IS 13 13 07.0 2.2												
SSE	1.5	195	Pn	20 54 45.0	-2.5	LZH	39.3	64	+P	13 07 06.5	1.1						
			Pg	20 54 45.5	-0.9				PMZ	m <sub>b</sub> = 6.0	2.0 0.58						
			Sn	20 55 03.8	-5.1				PMZ	m <sub>B</sub> = 6.5	5.0 4.05						
			Sg	20 55 04.3	-2.3				PP	13 08 40.0	1.1						
			SMN	M <sub>L</sub> = 3.4	0.3 0.45				PcP	13 09 17.0	3.1						
NJ2	2.4	259	+Pg	20 55 03.0	0.3	CD2	39.3	72	eP	13 07 05.0	-0.5						
			Sg	20 55 35.5	0.0				PP	13 08 42.0	2.8						
			SMN	M <sub>L</sub> = 3.8	0.6 0.53				S	13 13 06.0	0.6						
			SME		0.6 0.71				LE	M <sub>S</sub> = 6.2	15.0 17.5						
			ePg	20 55 56.2	3.5				LZ	M <sub>S</sub> = 6.0	18.0 18.6						
TIA	5.2	316	Sg	20 57 10.0	5.9	GYA	42.4	78	+iP	13 07 30.6	-0.4						
			SMN	M <sub>L</sub> = 2.9	1.0 0.014				PMZ	m <sub>b</sub> = 5.4	1.4 0.10						
			SME		0.7 0.013				PMZ	m <sub>B</sub> = 6.1	5.0 1.80						
									PP	13 09 10.0	-1.8						
									S	13 13 53.0	1.5						
DEC 6d 22h 01m 48.6 ± 0.05s, SD2.45 / 7 42.12 N ± 0.46km, 83.67 E ± 0.53km, h26 ± 0.19km Southern Xinjiang Province (321) M <sub>L</sub> 3.5 / 6,					GUA 42.4 78												
WMQ	3.4	59	Pn	22 02 43.5	2.8	XAN	43.5	67	+iP	13 07 39.5	-0.1						
			Sg	22 03 33.4	-2.1				PMZ	m <sub>B</sub> = 6.4	4.0 2.68						
			SMN	M <sub>L</sub> = 3.4	0.8 0.10				PP	13 09 28.0	5.7						
			SME		0.6 0.12				S	13 14 14.0	7.0						
DEC 7d 01h 11m 36.5 ± 0.28s, SD1.08 / 21 1.31 N ± 4.16km, 128.86 E ± 3.17km, h33 ± km Djailolo Gilolo (Halmahera) (267) m <sub>b</sub> 4.7 / 2,					BTO 44.3 58												
QZH	25.5	338	eP	01 17 04.0	0.1	HHC	45.5	57	+P	13 07 57.0	0.7						
			QZN	25.6	315				eP	01 17 05.2	0.0	PMZ	m <sub>B</sub> = 6.3	5.0 2.34			
			GYA	32.9	321				P	01 18 10.8	0.6	S	13 14 39.0	2.2			
			XAN	37.5	332				+P	01 18 48.8	-0.9	SMN	m <sub>B</sub> = 6.2	11.0 1.83			
			CD2	37.8	324				P	01 18 52.6	0.2	SME		13.0 3.80			
			TIY	39.3	339				eP	01 19 02.5	-1.7	LN	M <sub>S</sub> = 6.0	12.0 6.30			
			BJI	40.2	345				eP	01 19 11.5	-0.7	LE		12.0 2.73			
			GTA	46.3	329				+iP	01 20 01.0	-0.3	LZ	M <sub>S</sub> = 5.9	16.0 10.9			
			WMQ	55.9	325				eP	01 21 14.3	0.1	TIY	46.2	62	+P	13 08 00.6	-0.8
			DEC 7d 12h 59m 33.9 ± 0.08s, SD0.84 / 83 25.96 N ± 1.62km, 59.19 E ± 1.98km, h9 ± 0.48km Southern Iran (353) M <sub>S</sub> 6.1 / 51, m <sub>B</sub> 6.3 / 45, m <sub>b</sub> 5.6 / 28,						QZN 47.1 88								
KSH	19.5	42	-P	13 04 02.0	-2.1	WHN	48.4	71	+P	13 08 19.0	0.2						
			S	13 07 36.0	-1.2				PMZ	m <sub>b</sub> = 6.1	1.0 0.30						
			LN	M <sub>S</sub> = 6.2	12.0 45.7				PMZ	m <sub>B</sub> = 6.4	6.0 3.82						
			LZ	M <sub>S</sub> = 6.3	12.0 70.0				sP	13 08 26.5	-0.5						
			LZA	28.5	75				P	13 05 33.0	0.8	PP	13 10 16.0	5.7			
LSA	28.5	75	S	13 10 23.0	6.0	KMI	39.2	81	+P	13 07 04.5	0.0						
			LN	M <sub>S</sub> = 5.8	11.0 8.08				PMZ	m <sub>B</sub> = 6.3	6.0 3.00						
			LE		9.0 2.59				PP	13 08 37.5	-0.1						
			P	13 05 38.6	0.3												
			PMZ	m <sub>B</sub> = 6.6	4.0 4.17												
WMQ	29.2	45	PP	13 06 26.0	-6.0												
			S	13 10 28.0	-0.7												
			sS	13 10 37.0	-1.4												
			LN	M <sub>S</sub> = 6.0	16.0 19.1												
			LZ	M <sub>S</sub> = 5.7	18.0 16.9												
GTA	36.4	58	+iP	13 06 41.8	0.4												
			PMZ	m <sub>B</sub> = 6.2	6.0 2.40												
			PP	13 08 06.0	1.9												
			LE	M <sub>S</sub> = 6.0	14.0 12.4												
			LZ	M <sub>S</sub> = 5.9	18.0 18.5												



BJI	49.0	58	LN	$M_s = 6.2$	14.0	10.6	sP	13 09 46.0	3.5				
			LE		16.0	7.62	S	13 17 30.0	-6.3				
			LZ	$M_s = 5.6$	18.0	6.07	sS	13 17 46.0	-0.5				
			eP	13 08 24.0	0.3		SS	13 21 24.0	-6.8				
			PMZ	$m_b = 5.6$	1.0	0.090	LE	$M_s = 6.1$	14.0	6.04			
			PMZ	$m_B = 6.1$	6.0	1.70	LZ	$M_s = 6.0$	20.0	11.5			
			PcP	13 09 46.5	-0.6								
			PP	13 10 20.0	3.3								
			eS	13 15 30.0	2.4								
			GZH	49.1	81	LN	$M_s = 5.9$	14.0	5.59	DEC 7d 13h 38m $43.6 \pm 0.18s$ , SD1.23 / 89			
LZ	$M_s = 5.9$	22.0				15.1	6.34 S $\pm 1.45km$ , 146.63 E $\pm 2.80km$ , h101 $\pm 0.70km$						
+P	13 08 24.4	0.5					Eastern New Guinea region (207)						
PMZ	$m_B = 6.4$	6.0				3.24	QZH	41.4	320	-P	13 46 22.0	0.4	
S	13 15 30.0	3.1					PMZ	$m_B = 6.2$	6.0	2.27			
LN	$M_s = 5.9$	14.0				2.43	sP	13 46 58.0	1.0				
LE		14.0				5.20	S	13 52 28.0	0.1				
LZ	$M_s = 5.7$	18.0				6.83	sS	13 53 10.5	1.3				
P	13 08 31.7	0.5					ScS	13 56 14.0	1.8				
PMZ	$m_B = 6.2$	6.5				2.40	LE		14.0	5.07			
TIA	50.0	63	S	13 15 45.5	5.4		LZ		20.0	5.61			
			LN	$M_s = 6.2$	17.0	13.0	GZH	43.8	313	+P	13 46 43.1	2.1	
			LZ	$M_s = 5.9$	21.0	12.2	PMZ	$m_B = 6.3$	7.0	3.00			
			+P	13 08 55.5	0.0		pP	13 47 09.0	4.6				
			PMZ	$m_B = 6.3$	4.0	1.77	sP	13 47 17.5	1.0				
			PcP	13 10 04.0	1.4		S	13 53 01.0	-1.6				
			ScP	13 14 01.0	2.2		sP	13 47 23.5	3.8				
			S	13 16 21.0	-3.3		PP	13 48 29.0	-0.3				
			LN	$M_s = 5.5$	16.0	2.38	S	13 53 08.0	-0.4				
			LZ	$M_s = 5.1$	16.0	1.54	sS	13 53 45.4	-4.7				
DL2	53.3	60	+P	13 08 57.0	0.9		SSE	44.5	328	P	13 46 47.5	0.7	
			PMZ	$m_b = 6.0$	1.2	0.28	PMZ	$m_b = 5.9$	1.4	0.28			
			PMZ	$m_B = 6.2$	6.0	2.10	S	13 53 12.0	-1.0				
			S	13 16 32.0	6.5		sS	13 54 00.0	5.1				
			LN	$M_s = 6.1$	18.0	6.26	ScS	13 56 33.0	1.8				
			LE		14.0	7.20	LN		12.0	4.80			
			LZ	$M_s = 5.8$	20.0	9.38	LE		12.0	5.27			
			+iP	13 09 01.0	-0.9		LZ		20.0	4.19			
			PMZ	$m_b = 5.7$	1.2	0.14	NJ2	46.5	327	-P	13 47 03.0	0.4	
			PMZ	$m_B = 6.3$	6.0	2.78	PMZ	$m_b = 5.7$	1.2	0.13			
SSE	54.1	69	sP	13 09 10.0	-0.1		PMZ	$m_B = 6.2$	7.0	2.17			
			ePP	13 11 08.0	3.8		pP	13 47 22.5	-3.6				
			LN	$M_s = 6.0$	16.0	5.36	sP	13 47 37.0	-1.1				
			LE		16.0	4.90	ScP	13 52 20.8	2.8				
			LZ	$M_s = 5.7$	20.0	6.52	S	13 53 44.0	2.5				
			+iP	13 09 04.0	-1.1		sS	13 54 28.0	4.4				
			PMZ	$m_b = 5.4$	1.2	0.067	WHN	48.0	322	-P	13 47 15.6	1.2	
			PMZ	$m_B = 6.1$	7.0	1.84	PMZ	$m_b = 5.8$	1.0	0.13			
			sP	13 09 11.8	-1.5		PMZ	$m_B = 6.4$	4.0	1.88			
			S	13 16 40.0	-2.0		sP	13 47 52.0	2.0				
SNY	54.5	56	SMN	$m_B = 5.7$	9.0	0.93	S	13 54 06.0	3.3				
			sS	13 16 47.0	-5.2		sS	13 54 48.0	3.0				
			LN	$M_s = 6.0$	13.5	3.44	eP	13 47 32.8	-1.7				
			LE		13.5	4.26	PMZ	$m_B = 6.1$	9.0	2.10			
			LZ	$M_s = 5.9$	27.0	13.7	sP	13 48 09.0	-1.1				
			+iP	13 09 04.0	-1.1		S	13 47 38.4	3.4				
			PMZ	$m_b = 5.4$	1.0	0.060	PMZ	$m_b = 6.1$	1.4	0.38			
			PMZ	$m_B = 6.1$	7.0	1.84	PMZ	$m_B = 6.4$	4.0	2.10			
			sP	13 09 11.8	-1.5		sP	13 48 13.6	3.0				
			S	13 16 40.0	-2.0		S	13 54 46.0	6.3				
CN2	55.8	53	SMN	$m_B = 6.1$	8.0	1.80	LN		17.0	6.90			
			SME		8.0	0.80	LE		17.0	3.90			
			ScS	13 18 58.0	-1.0		LZ		22.0	3.30			
			LN	$M_s = 6.0$	14.0	3.30	DL2	50.6	335	-P	13 47 35.0	0.1	
			LE		14.0	4.90	PMZ	$m_b = 6.1$	1.2	0.28			
			LZ	$M_s = 6.0$	22.0	13.7	sP	13 48 09.0	-1.6				
			-P	13 09 13.0	-1.0		S	13 54 36.5	-3.3				
			PMZ	$m_b = 5.4$	1.0	0.060	SMN	$m_B = 6.2$	9.0	2.21			
			PMZ	$m_B = 6.4$	5.0	3.00							
			sP	13 09 21.0	-1.1								
PcS	13 14 08.0	-3.0											
MDJ	58.6	52	S	13 16 58.0	-0.3								
			SMN	$m_B = 6.1$	8.0	1.80							
			SME		8.0	0.80							
			ScS	13 18 58.0	-1.0								
			LN	$M_s = 6.0$	14.0	3.30							
			LE		14.0	4.90							
			LZ	$M_s = 6.0$	22.0	13.7							
			eP	13 09 33.5	-0.9								
			pP	13 09 39.0	-0.9								









DEC 7d 16h 38m 34.0 ± 0.54s, SD2.70 / 24  
4.18 S ± 3.08km, 76.58 W ± 1.62km, h111 ± 4.38km  
Northern Peru (111)

GTA	144.8	5	PKP	16 57 56.4	-2.6
TIY	145.6	347	-PKP	16 57 58.4	-2.0
LZH	148.3	359	-PKP	16 58 08.0	3.1
SSE	148.4	330	PKP	16 58 07.5	2.6
NJ2	148.7	334	+PKP	16 58 08.0	2.6
WHN	151.8	340	-PKP	16 58 15.7	5.5
GYA	157.6	352	PKP	16 58 18.0	-0.2
			pPKP	16 58 50.0	2.8

DEC 7d 18h 01m 18.0 ± 0.10s, SD2.33 / 13  
37.54 N ± 1.02km, 115.14 E ± 0.83km, h10 ± 0.19km  
North-Eastern China (658)  
M<sub>L</sub>3.1 / 12,

TIA	2.1	129	Pn	18 01 50.5	-2.8
			Pg	18 01 54.3	-0.3
			Sg	18 02 20.6	-2.4
			SMN	M <sub>L</sub> = 3.1	0.4 0.13
			SME		0.4 0.18
BJI	2.6	18	ePn	18 02 02.5	1.8
			ePg	18 02 07.5	3.2
			eSn	18 02 35.5	1.0
			SMN	M <sub>L</sub> = 2.9	0.5 0.050
			SME		0.5 0.060
HHC	4.3	321	+iPg	18 02 35.2	0.8
			Sg	18 03 29.0	-4.2
			SMN	M <sub>L</sub> = 3.4	0.8 0.083
			SME		0.8 0.056
BTO	5.0	309	ePg	18 02 49.7	2.9
			Sg	18 03 48.7	-6.6

DEC 7d 18h 21m 51.0 ± 0.11s, SD1.88 / 19  
25.84 N ± 3.04km, 58.80 E ± 2.27km, h30 ± 0.68km  
Southern Iran (353)

WMQ	29.5	45	eP	18 27 55.0	-0.4
GTA	36.8	58	eP	18 28 58.4	-0.1
XAN	43.8	67	P	18 29 56.3	-0.4
TIY	46.5	62	eP	18 30 16.7	-1.6
WHN	48.8	71	eP	18 30 36.5	0.8
			isP	18 30 53.5	5.3

DEC 7d 23h 15m 28.2 ± 0.16s, SD1.90 / 47  
17.96 N ± 1.54km, 146.61 E ± 3.33km, h78 ± 0.76km  
Marianas (216)  
M<sub>S</sub>4.7 / 3, m<sub>b</sub>5.0 / 3,

SSE	26.5	304	P	23 21 02.0	1.5
			pP	23 21 16.0	-1.9
			esS	23 26 01.0	3.4
			LZ	M <sub>S</sub> = 4.1	22.0 0.58
MDJ	30.2	335	eP	23 21 37.0	3.4
			S	23 26 30.0	4.9
			LZ	M <sub>S</sub> = 4.6	25.0 1.71
SNY	30.9	325	eP	23 21 37.2	-2.6
CN2	31.3	330	eP	23 21 43.0	-0.9
			pP	23 22 03.5	1.8
			eS	23 26 42.0	-2.4
			LZ	M <sub>S</sub> = 4.7	24.0 1.90
WHN	31.8	299	eP	23 21 47.5	-0.8
			PcP	23 24 37.5	0.5
			eS	23 26 51.0	-1.4
			sS	23 27 24.0	0.4
			LE	M <sub>S</sub> = 4.7	22.0 1.19
			LZ	M <sub>S</sub> = 4.3	24.0 0.82
BJI	34.3	316	eP	23 22 08.0	-1.2
			LZ	M <sub>S</sub> = 4.5	22.0 0.92
QZN	34.8	278	eP	23 22 16.4	2.2

XAN	37.2	303	P	23 22 33.5	-0.8
CD2	40.8	297	eP	23 23 06.0	1.6
LZH	41.8	304	eP	23 23 12.0	-0.2
WMQ	55.4	311	P	23 24 56.0	-1.7
			PcP	23 25 57.2	1.1
			eS	23 32 32.0	-3.2

DEC 8d 00h 04m 25.7 ± 0.17s, SD1.97 / 81  
21.23 N ± 2.22km, 93.72 E ± 1.58km, h47 ± 0.39km  
Burma (296)  
M<sub>S</sub>4.9 / 38, m<sub>b</sub>5.5 / 6, m<sub>b</sub>5.2 / 14,

LSA	8.7	345	P	00 06 33.5	0.5
			S	00 08 10.0	0.3
			LE	M <sub>S</sub> = 5.2	7.5 10.0
KMI	9.2	63	eP	00 06 41.0	2.7
			sP	00 06 54.0	1.2
			LE	M <sub>S</sub> = 4.9	6.0 3.80
GYA	12.9	64	P	00 07 32.8	3.3
			sP	00 07 45.0	0.8
			S	00 09 56.0	4.4
			LN	M <sub>S</sub> = 5.0	10.0 3.80
			LE		10.0 1.50
			LZ	M <sub>S</sub> = 4.5	12.0 2.30
CD2	13.2	41	eP	00 07 34.6	1.8
			S	00 10 01.5	3.8
			LN	M <sub>S</sub> = 4.9	6.0 2.28
			LZ	M <sub>S</sub> = 4.5	16.0 2.50
QZN	15.3	95	eP	00 08 02.0	1.7
			eS	00 10 48.2	0.0
			SS	00 11 04.5	-1.5
			LE	M <sub>S</sub> = 4.8	10.5 2.03
LZH	17.2	29	eP	00 08 24.0	-1.0
			pP	00 08 34.0	-0.1
			PP	00 08 40.0	0.9
			sP	00 08 44.7	-4.6
			S	00 11 32.0	-0.4
			SS	00 11 55.0	0.7
			LN	M <sub>S</sub> = 4.7	10.0 0.94
			LE		10.0 1.12
			LZ	M <sub>S</sub> = 4.1	30.0 1.50
GZH	18.3	81	-P	00 08 38.9	1.4
			PMZ	m <sub>b</sub> = 5.4	7.0 1.50
			sP	00 08 57.5	4.6
			S	00 11 57.0	1.5
			LN	M <sub>S</sub> = 4.6	16.0 0.77
			LE		17.0 1.71
XAN	18.5	43	-iP	00 08 37.2	-3.4
			PMZ	m <sub>b</sub> = 5.0	1.0 0.080
			S	00 12 05.0	3.8
			LN	M <sub>S</sub> = 4.8	7.0 0.82
			LE		8.0 0.99
GTA	18.9	15	P	00 08 43.4	-1.4
			pP	00 08 50.4	-3.7
			PP	00 09 01.2	0.5
			ScP	00 16 40.0	0.8
			S	00 12 12.0	3.3
			sS	00 12 27.0	2.2
			SS	00 12 40.0	5.5
			PcS	00 16 46.0	1.4
			ScS	00 20 20.6	1.3
			LE	M <sub>S</sub> = 4.7	11.0 1.20
			LZ	M <sub>S</sub> = 4.3	16.0 1.20
WHN	20.7	59	eP	00 09 03.0	-1.7
			PMZ	m <sub>b</sub> = 4.8	1.0 0.050
			PMZ	m <sub>b</sub> = 5.5	6.0 1.53
			sP	00 09 23.5	2.4
			S	00 12 48.0	0.5
			LN	M <sub>S</sub> = 5.1	8.0 1.90









KMI	27.1	307	LN	$M_s = 6.3$	16.0	31.1	CN2	33.6	359	LZ	$M_s = 6.1$	16.0	31.1	International Seismological Centre			
			LE		16.0	31.4				eP	10 29 50.0	-0.2	1.2		0.040		
			LZ	$M_s = 5.9$	18.0	30.7				PMZ	$m_b = 5.1$		7.0		1.20		
			eP	10 28 53.0	0.2					PMZ	$m_b = 5.8$						
			PMZ	$m_b = 5.8$	9.0	1.90				pP	10 29 59.0	-2.2					
			sP	10 29 08.0	-0.1					sP	10 30 02.0	-3.9					
			PP	10 29 43.0	4.3					eS	10 35 08.0	-0.4					
TIA	27.3	343	S		10 33 24.0	-0.7				SMN	$m_b = 6.1$	9.0	1.50				
			LN	$M_s = 6.2$	14.0	28.6	SME			9.0	3.00						
			LZ	$M_s = 5.9$	20.0	35.0	ScP	10 36 11.0	1.9								
			P	10 28 54.5	-0.6		SS	10 37 11.0	-2.3								
			PMZ	$m_b = 5.9$	9.0	2.30	LN	$M_s = 6.1$		12.5	11.7						
			S	10 33 32.0	2.8		LE			12.5	6.60						
			SMN	$m_b = 6.4$	12.0	5.05	LZ	$M_s = 5.9$		18.0	20.1						
XAN	28.8	329	SME		11.0	9.59	BTO	33.7	337	P	10 29 51.0	-0.4					
			LE	$M_s = 6.1$	13.0	21.1				sP	10 30 08.5	1.5					
			LZ	$M_s = 5.8$	18.0	21.8				iS	10 35 13.0	2.5					
			+P	10 29 06.8	-1.1					LN	$M_s = 6.3$		16.0	23.3			
			PMZ	$m_b = 5.8$	10.0	2.07				LE			16.0	17.5			
			S	10 33 57.0	5.1					MDJ	34.5	4	eP	10 29 58.0	0.0		
			LN	$M_s = 6.2$	16.0	19.7							pP	10 30 08.0	-1.1		
DL2	29.0	352	LE		14.0	21.2				sP	10 30 11.7	-2.1					
			P	10 29 11.0	1.0		SME	$m_b = 6.1$		8.0	3.36						
			PMZ	$m_b = 5.7$	1.2	0.18	sS	10 35 39.5	-1.6								
			PMZ	$m_b = 5.9$	7.0	1.75	SS	10 37 35.0	0.9								
			S	10 33 59.0	3.3		LN	$M_s = 6.0$		12.0	9.68						
			LN	$M_s = 6.1$	13.0	7.01	LZ	$M_s = 5.5$		20.0	9.73						
			LE		13.0	16.9	GTA	37.6	325	+iP	10 30 24.8	-0.2					
LZ	$M_s = 5.7$	20.0	18.7	PP	10 31 53.0	-0.4											
CD2	29.6	318	eP	10 29 13.3	-2.0					S	10 36 14.0	3.8					
			S	10 34 04.0	-1.1		LE	$M_s = 6.4$		15.0	28.0						
			LN	$M_s = 6.4$	13.0	35.0	LZ	$M_s = 6.3$		16.0	43.1						
			LZ	$M_s = 6.1$	16.0	32.5	LSA	38.3	306	P	10 30 30.3	-0.6					
			eP	10 29 20.0	-1.3					sP	10 30 44.5	-1.8					
			iS	10 34 20.0	3.2		PP	10 32 07.0	5.6								
			LN	$M_s = 6.3$	15.0	30.9	iS	10 36 25.0	2.8								
LZ	$M_s = 6.0$	18.0	28.0	LN	$M_s = 5.7$		16.0	5.39									
BJI	31.2	345	eP	10 29 28.0	-1.4					LE			14.0	2.82			
			PMZ	$m_b = 5.7$	2.0	0.28	WMQ	47.5	322	-P	10 31 45.0	0.0					
			PMZ	$m_b = 5.9$	8.0	1.73				PMZ	$m_b = 6.0$		10.0	2.25			
			S	10 34 34.0	3.7		PP	10 33 39.0	3.9								
			LN	$M_s = 6.0$	14.0	15.5	S	10 38 36.0	1.6								
			LZ	$M_s = 6.0$	16.0	23.0	ScS	10 41 35.0	3.8								
			+iP	10 29 34.0	0.1		LN	$M_s = 6.4$		15.0	18.5						
SNY	31.7	356	PMZ	$m_b = 5.5$	1.2	0.11	KSH	53.5	312	LZ	$M_s = 6.3$		20.0	32.4			
			PMZ	$m_b = 5.8$	9.0	1.56				P	10 32 32.0	0.8					
			pP	10 29 45.0	0.3					PP	10 34 34.0	1.7					
			S	10 34 35.0	-3.2					S	10 40 04.0	5.7					
			SMN	$m_b = 6.4$	10.0	4.04				LE	$M_s = 6.7$		17.0	35.8			
			SME		10.0	7.21											
			LZ	$M_s = 5.9$	20.0	23.4				<hr/> DEC 8d 10h 53m $20.4 \pm 0.10s$ , SD1.11 / 24 10.03 N $\pm 0.78km$ , 126.41 E $\pm 1.37km$ , h99 $\pm 1.06km$ Mindanao (259) $m_b 4.6 / 2$ ,							
LZH	33.0	325	eP	10 29 45.5	-0.4		SSE	21.5	348	+P	10 58 03.4	0.5					
			PMZ	$m_b = 5.8$	1.5	0.23				PMZ	$m_b = 4.5$		1.0	0.024			
			PMZ	$m_b = 5.9$	9.0	1.84	NJ2	23.0	343	+iP	10 58 18.8	1.3					
			PP	10 30 55.0	-1.2		GYA	24.8	314	P	10 58 36.2	1.1					
			PcP	10 32 30.0	2.0		TIY	30.3	338	eP	10 59 22.8	-2.1					
			S	10 35 05.0	5.7		LZH	33.0	325	eP	10 59 49.0	-0.1					
			SMN	$m_b = 6.0$	11.0	3.50	MDJ	34.6	4	PMZ	$m_b = 4.7$		1.5	0.019			
HHC	33.3	339	sS	10 35 22.0	3.1		<hr/> DEC 8d 12h 12m $57.9 \pm 0.10s$ , SD1.38 / 87 32.31 N $\pm 1.61km$ , 140.99 E $\pm 1.83km$ , h61 $\pm 0.75km$ South of Honshu (211) $M_s 4.6 / 22$ , $m_b 5.3 / 4$ , $m_b 5.3 / 28$ ,										
			LN	$M_s = 6.4$	15.0	16.6	eP	11 00 02.5	0.6								
			LE		13.0	24.6											
			LZ	$M_s = 6.3$	16.0	45.1	MDJ	15.2	327	eP	12 16 29.0	-1.1					
			P	10 29 48.8	0.4												
			PP	10 31 01.7	1.7												
			S	10 35 08.0	4.0												







		PMZ	$m_b = 5.2$	1.5	0.026			eS	17 31 32.0	0.0			
HHC	90.7 326	-P	15 13 06.2	0.6				LN	$M_S = 4.8$	17.0	1.16		
BTO	91.6 326	eP	15 13 10.0	0.3				LE		14.0	1.49		
TIA	91.6 319	P	15 13 10.2	0.3				LZ	$M_S = 4.7$	20.0	3.29		
TIY	92.8 323	eP	15 13 14.5	-0.8			QZH	22.3 245	eP	17 28 23.5	-0.7		
SSE	93.2 313	P	15 13 17.8	0.6				eS	17 32 26.0	4.4			
		PMZ	$m_b = 5.6$	1.2	0.037			LN	$M_S = 4.9$	14.0	1.36		
NJ2	93.9 316	+P	15 13 19.5	-0.5				LE		14.0	1.44		
GTA	96.7 333	eP	15 13 33.8	0.5				LZ	$M_S = 4.6$	28.0	2.97		
DEC 8d 17h 23m 29.0 ± 0.10s, SD1.57 / 90								TIY	22.7 282	-P	17 28 25.8	-2.3	
36.51 N ± 1.80km, 140.91 E ± 1.90km, h47 ± 0.98km									PP	17 28 58.0	1.2		
Near east coast of Honshu (228)									S	17 32 30.5	2.7		
$M_S 5.1 / 45, m_b 5.6 / 9, m_b 5.3 / 23,$									LE	$M_S = 5.4$	15.0	6.41	
MDJ	11.8 317	+P	17 26 22.0	4.3				LZ	$M_S = 5.3$	18.0	9.61		
		sS	17 28 38.0	-2.0			WHN	22.9 263	-iP	17 28 30.5	0.7		
		SS	17 28 47.0	4.1				PMZ	$m_b = 5.6$	0.7	0.18		
		LN	$M_S = 4.8$	16.0	5.05			sP	17 28 47.0	0.7			
		LE		18.0	3.38			S	17 32 32.0	1.0			
		LZ	$M_S = 4.7$	20.0	6.17			LN	$M_S = 5.1$	14.0	1.90		
CN2	13.9 306	eP	17 26 45.6	0.5				LE		16.0	2.80		
		PMZ	$m_b = 5.4$	1.0	0.067			LZ	$M_S = 4.9$	16.0	3.57		
		PMZ	$m_b = 5.8$	5.0	0.90		HHC	23.3 290	eP	17 28 32.0	-1.6		
		pP	17 26 55.0	1.3				S	17 32 38.2	0.6			
		eS	17 29 18.0	-0.1				LN	$M_S = 5.0$	13.0	1.16		
		LN	$M_S = 4.6$	13.0	1.00			LE		17.0	2.27		
		LE		13.0	1.70			LZ	$M_S = 5.0$	18.0	4.35		
		LZ	$M_S = 4.8$	20.0	5.90		BTO	24.4 289	P	17 28 43.0	-2.0		
SNY	14.5 297	+P	17 26 52.6	0.0				pP	17 28 54.0	-2.1			
		PMZ	$m_b = 5.7$	1.0	0.13			PP	17 29 20.0	-0.6			
		PMZ		20.0	1.69			S	17 32 56.0	-1.9			
		sP	17 27 08.0	0.5				LN	$M_S = 5.1$	17.0	2.70		
		S	17 29 32.5	1.4				LE		17.0	2.60		
		SMN	$m_b = 5.2$	10.0	1.36		XAN	26.2 274	P	17 29 01.0	-0.3		
		sS	17 29 43.5	-2.4				S	17 33 26.4	-0.3			
		LN	$M_S = 5.1$	16.0	4.52			LN	$M_S = 5.1$	15.0	1.63		
		LE		17.0	5.32			LE		17.0	2.42		
		LZ	$M_S = 5.1$	18.0	10.6		GZH	27.3 248	+iP	17 29 13.1	1.5		
DL2	15.5 285	P	17 27 08.0	2.4				eS	17 33 50.0	4.2			
		PMZ	$m_b = 5.8$	0.8	0.33			LN	$M_S = 5.0$	14.0	1.68		
		eS	17 29 59.0	3.9				LE		13.0	0.69		
		sS	17 30 08.0	-1.6				LZ	$M_S = 5.1$	16.0	4.02		
		LN	$M_S = 5.1$	12.0	1.36		LZH	29.8 280	eP	17 29 34.5	0.6		
		LE		16.0	6.33			PMZ	$m_b = 4.7$	1.0	0.016		
		LZ	$M_S = 4.9$	20.0	6.94			PMZ	$m_b = 5.3$	10.0	0.53		
SSE	17.3 257	P	17 27 29.2	0.9				sP	17 29 49.0	-1.5			
		PMZ	$m_b = 5.6$	4.0	1.15			PP	17 30 36.0	5.3			
		pP	17 27 39.0	1.4				eS	17 34 24.0	-1.6			
		eS	17 30 38.0	1.4				LN	$M_S = 5.5$	15.0	2.44		
		sS	17 30 56.0	4.3				LE		16.0	4.75		
		LN	$M_S = 4.9$	15.0	1.59			LZ	$M_S = 5.5$	16.0	8.00		
		LE		14.0	3.14		GYA	30.7 261	+P	17 29 42.0	-0.5		
		LZ	$M_S = 4.8$	20.0	4.38			PMZ	$m_b = 5.4$	1.2	0.080		
NJ2	18.8 263	-P	17 27 46.5	-0.2				pP	17 29 57.0	3.1			
		PMZ	$m_b = 5.0$	0.8	0.063			S	17 34 40.0	0.3			
		pP	17 27 53.5	-2.6				LN	$M_S = 5.2$	14.0	1.20		
		sP	17 27 58.5	-3.5				LE		14.0	1.80		
		LN	$M_S = 5.0$	13.0	0.88			LZ	$M_S = 4.8$	22.0	2.20		
		LE		14.0	3.11		CD2	31.3 271	P	17 29 47.0	-0.2		
		LZ	$M_S = 4.9$	18.0	5.37			S	17 34 47.0	-1.2			
TIA	19.2 276	P	17 27 49.8	-1.7				LE	$M_S = 5.3$	18.0	4.13		
		S	17 31 20.0	1.3				LZ	$M_S = 5.0$	20.0	3.15		
		LN	$M_S = 5.0$	14.0	1.61		GTA	32.3 288	+P	17 29 55.4	-1.2		
		LE		14.0	3.07			PP	17 31 03.0	-1.1			
		LZ	$M_S = 4.8$	20.0	4.63			PcP	17 32 44.2	1.5			
BJI	19.7 288	eP	17 27 55.0	-2.6				S	17 35 06.0	1.1			
		PMZ	$m_b = 4.7$	1.0	0.040			LE	$M_S = 5.1$	16.0	1.78		
		esP	17 28 12.0	-1.6				LZ	$M_S = 4.9$	16.0	2.16		
							QZN	32.3 246	eP	17 29 56.0	-0.5		



KMI	34.5 262	PP	17 31 04.0	-0.2	17.0	3.00
		eS	17 35 06.0	0.1		
		LN	$M_s = 5.3$			
		+P	17 30 15.0	-0.2		
		sP	17 30 31.0	-0.8		
		PP	17 31 31.0	0.2		
		S	17 35 42.0	3.8		
WMQ	40.7 297	SS	17 37 57.0	5.9		
		LE	$M_s = 5.3$			
		LZ	$M_s = 5.2$			
		+iP	17 31 08.9	1.6		
		PMZ	$m_b = 6.2$			
		sP	17 31 24.0	-0.2		
		ScP	17 36 54.0	2.2		
LSA	41.9 276	S	17 37 16.0	3.0		
		LN	$M_s = 5.0$			
		LZ	$M_s = 5.2$			
		P	17 31 19.3	2.2		
		eS	17 37 30.0	-1.8		
		LE	$M_s = 4.9$			
		KSH	50.3 294	-iP	17 32 25.0	1.4
KSH	50.3 294	sP	17 32 42.0	1.6		
		eS	17 39 34.0	2.5		
		LE	$M_s = 5.6$			

TIA	27.4 344	eP	22 24 28.2	-0.3
BJI	31.2 345	eP	22 25 03.5	0.7
		eS	22 30 06.0	4.1
		LZ	$M_s = 4.1$	
GTA	37.6 325	eP	22 25 57.0	-0.6
		LN	$M_s = 4.6$	
		LZ	$M_s = 4.5$	
LSA	38.2 306	P	22 26 03.4	0.5
WMQ	47.4 322	eP	22 27 18.0	0.7
		PcP	22 28 50.0	3.9
		eS	22 34 10.0	5.3
		LZ	$M_s = 4.4$	

DEC 8d 23h 04m  $50.3 \pm 0.10s$ , SD2.56 / 44  
 39.77 N  $\pm 1.18km$ , 113.84 E  $\pm 1.02km$ , h7  $\pm 0.15km$   
 North-Eastern China (658)  
 $M_s 4.1 / 13$ ,  $M_L 4.3 / 16$ ,

DEC 8d 19h 27m  $46.2 \pm 0.10s$ , SD1.21 / 31  
 10.22 N  $\pm 1.10km$ , 126.20 E  $\pm 1.88km$ , h48  $\pm 1.20km$   
 Mindanao (259)  
 $m_b 4.5 / 4$ ,

SSE	21.3 348	P	19 32 32.0	1.0
NJ2	22.8 344	PMZ	$m_b = 4.5$	
		eP	19 32 45.0	-0.6
WHN	23.0 333	eP	19 32 49.0	0.7
		sP	19 33 02.0	-3.1
GYA	24.5 314	P	19 33 04.6	1.6
TIA	27.2 344	eP	19 33 26.1	-1.3
XAN	28.5 329	P	19 33 38.6	-1.1
LZH	32.8 325	P	19 34 17.5	0.0
GTA	37.4 325	+iP	19 34 56.4	-0.3
WMQ	47.2 322	eP	19 36 17.0	0.3

BJI	1.8 81	Pg	23 05 23.0	0.6		
		Sg	23 05 47.0	-0.2		
HHC	2.1 303	+Pn	23 05 26.2	0.5		
		Pg	23 05 27.6	1.0		
TIY	2.3 209	Sg	23 05 55.0	0.4		
		SMN	$M_L = 4.3$			
		SME		1.0 1.80		
				0.8 3.30		
		-Pn	23 05 31.2	1.8		
		Pg	23 05 33.8	2.4		
		Sg	23 06 05.5	2.2		
BTO	3.0 287	SMN	$M_L = 4.4$			
		SME		1.0 1.76		
		Pn	23 05 42.6	3.2		
		Pg	23 05 46.0	1.9		
		Sg	23 06 23.6	-2.2		
		SMN	$M_L = 3.8$			
		SME		0.6 0.42		
TIA	4.4 143			0.6 0.29		
		Pn	23 06 00.0	2.2		
		Pg	23 06 14.8	6.9		
		Sg	23 07 08.7	0.7		
		SMN	$M_L = 4.1$			
		SME		1.4 0.25		
				1.1 0.46		
XAN	6.9 216	Pn	23 06 36.0	3.2		
		Pg	23 06 59.8	6.9		
		Sg	23 08 28.5	0.7		
		SMN	$M_L = 4.5$			
		SME		1.5 0.37		
		LN	$M_s = 4.0$			
		LE		9.0 0.87		
SNY	7.7 71			8.0 0.74		
		ePn	23 06 43.2	0.5		
		LZ	$M_s = 4.0$			
				12.0 1.21		
		eP	23 06 59.0	-0.7		
		LZ	$M_s = 3.7$			
				14.0 0.59		
LZH	8.7 248	eP	23 07 00.0	-0.1		
		LN	$M_s = 4.0$			
				8.0 0.70		
		LE		16.0 0.70		
		P	23 07 02.5	-4.2		
		S	23 08 49.0	-2.5		
		SMN		1.5 0.18		
WHN	9.2 177	SME		1.5 0.19		
		LE	$M_s = 3.9$			
				11.0 0.66		
		eP	23 07 12.0	0.4		
		LN	$M_s = 4.5$			
		LE		6.0 1.20		
				6.0 0.60		
GTA	10.8 273	LZ	$M_s = 4.1$			
				12.0 1.20		
		eP	23 07 28.0	-1.3		
		LE	$M_s = 3.9$			
				8.0 0.43		
		LZ	$M_s = 4.0$			
				9.0 0.65		
WMQ	19.9 290	P	23 09 25.9	0.5		
		QZN	21.0 191	eP	23 09 32.0	-4.6
		eS	23 13 21.0	-4.6		

DEC 8d 20h 20m  $31.1 \pm 1.07s$ , SD4.79 / 5  
 23.83 N  $\pm 7.96km$ , 118.78 E  $\pm 3.58km$ , h15  $\pm km$   
 Taiwan region (243)  
 $M_L 3.5 / 5$ ,

QZH	1.1 351	Pg	20 20 49.5	-1.6
QZH	1.1 351	Sg	20 21 00.5	-6.1
		SMN	$M_L = 3.9$	
		SME		0.2 2.21
				0.2 2.22

DEC 8d 22h 18m  $48.9 \pm 0.10s$ , SD1.20 / 46  
 10.02 N  $\pm 1.12km$ , 126.33 E  $\pm 1.54km$ , h86  $\pm 0.25km$   
 Mindanao (259)  
 $M_s 4.4 / 6$ ,  $m_b 4.5 / 2$ ,

QZH	16.6 335	eP	22 22 38.5	1.2
QZN	18.3 301	eP	22 22 58.5	0.1
		PP	22 23 13.0	-3.2
SSE	21.5 348	eS	22 26 16.0	-0.3
		LE	$M_s = 4.5$	
		P	22 23 32.0	-0.5
		PP	22 23 53.6	-6.7
		LE	$M_s = 4.3$	
				14.0 0.49
				14.0 0.30
WHN	23.3 333	P	22 23 51.0	1.2
		eS	22 27 56.0	3.7
		LE	$M_s = 4.4$	
GYA	24.8 314	P	22 24 05.8	1.5



LN					Ms = 4.5					11.0					0.32				
LE										11.0					0.68				
DEC 9d 10h 28m 27.2 ± 0.07s, SD1.32 / 47 26.56 N ± 1.36km, 126.41 E ± 0.97km, h149 ± 0.92km North-east of Taiwan (245) mb 4.5 / 9,																			
SSE	6.4	316	-P	10 30 00.5	-0.3														
			PMZ		mb = 4.5	1.0	0.024												
			sP	10 30 32.7	-2.5														
NJ2	8.6	311	+P	10 30 29.6	0.2														
WHN	11.3	293	eP	10 31 03.0	-2.6														
SNY	15.4	352	-P	10 31 58.6	0.6														
BJI	15.9	330	eP	10 32 05.0	0.6														
			PMZ		mb = 4.0	1.0	0.0070												
			eS	10 35 02.0	5.8														
TIY	16.2	317	+P	10 32 06.0	-2.2														
XAN	16.8	300	P	10 32 16.6	1.0														
CN2	17.2	358	eP	10 32 19.4	-0.8														
MDJ	18.2	7	eP	10 32 31.5	0.0														
HHC	18.8	323	eP	10 32 39.0	0.8														
BTO	19.5	320	eP	10 32 46.0	0.5														
CD2	20.3	288	eP	10 32 54.0	0.3														
DEC 9d 11h 24m 47.0 ± 0.09s, SD2.11 / 17 39.79 N ± 0.86km, 113.82 E ± 0.73km, h8 ± 0.31km North-Eastern China (658) ML 3.3 / 16,																			
BJI	1.8	82	Pn	11 25 18.0	-1.1														
			Pg	11 25 19.0	-0.3														
			Sn	11 25 43.0	-1.3														
			Sg	11 25 44.0	-0.3														
			SMN		ML = 3.1	0.5	0.18												
			SME			0.5	0.19												
HHC	2.0	302	+Pg	11 25 22.4	-0.5														
			Sg	11 25 50.6	0.2														
			SMN		ML = 3.5	0.8	0.38												
			SME			0.6	0.45												
TIY	2.3	208	-iPn	11 25 26.0	-0.3														
			iPg	11 25 28.6	0.2														
			Sn	11 25 56.7	-0.4														
			Sg	11 26 00.3	-0.2														
			SMN		ML = 3.4	0.6	0.18												
			SME			1.0	0.35												
BTO	3.0	287	ePg	11 25 37.4	-3.2														
			Sg	11 26 18.2	-3.5														
			SMN		ML = 2.9	0.4	0.060												
			SME			0.4	0.040												
TIA	4.4	143	ePg	11 26 07.8	2.5														
			Sg	11 27 02.6	-3.1														
			SMN		ML = 3.0	0.6	0.026												
			SME			0.6	0.030												
DEC 9d 11h 32m 27.2 ± 0.08s, SD1.52 / 59 22.76 N ± 1.46km, 94.49 E ± 1.06km, h108 ± 0.68km Burma-India border region (294) mb 4.6 / 5,																			
LSA	7.5	337	+iP	11 34 16.7	0.1														
			eS	11 35 36.5	-4.9														
KMI	7.9	71	+P	11 34 25.0	3.6														
GYA	11.7	69	P	11 35 12.0	0.2														
LZH	15.6	29	P	11 36 03.0	0.7														
XAN	16.9	45	P	11 36 18.4	-0.7														
GTA	17.2	14	eP	11 36 19.4	-3.2														
WHN	19.4	62	eP	11 36 46.5	-0.4														
			sP	11 37 20.5	0.1														
TIY	21.4	42	+P	11 37 06.2	-2.3														
WMQ	21.7	347	P	11 37 13.6	2.2														
DEC 9d 14h 34m 00.3 ± 0.22s, SD1.59 / 61 10.27 N ± 2.02km, 126.37 E ± 2.26km, h43 ± 0.60km Mindanao (259) Ms 4.8 / 26, mb 5.2 / 3, mb 4.3 / 3,																			
QZH	16.4	334	eP	14 37 52.8	4.2														
			LN		Ms = 4.3	12.0	0.77												
			LZ		Ms = 4.4	18.0	1.82												
GZH	17.8	317	eP	14 38 07.5	0.6														
			LZ		Ms = 4.6	18.0	2.73												
QZN	18.2	300	eP	14 38 09.7	-1.9														
			eS	14 41 26.0	-3.7														
			LN		Ms = 4.8	13.0	2.07												
SSE	21.3	348	P	14 38 44.0	-1.4														
			pP	14 38 51.0	-4.7														
			PP	14 39 10.0	0.9														
			S	14 42 40.0	6.6														
			sS	14 42 49.0	-2.0														
			LN		Ms = 4.7	12.0	0.56												
			LE			12.0	0.90												
			LZ		Ms = 4.2	20.0	0.93												
NJ2	22.8	343	+P	14 39 02.0	1.8														
			LZ		Ms = 4.4	20.0	1.22												
WHN	23.1	333	+P	14 39 04.0	0.8														
			PMZ		mb = 5.4	4.0	0.74												
			sP	14 39 18.5	-0.1														
			LN		Ms = 4.8	11.0	0.69												
			LE			15.0	1.40												
			LZ		Ms = 4.3	20.0	1.00												
GYA	24.6	313	P	14 39 19.0	0.6														
			LN		Ms = 5.1	16.0	2.30												
			LE			16.0	2.30												
TIA	27.1	343	eP	14 39 38.0	-4.0														
			eS	14 44 15.0	-0.6														
			LE		Ms = 4.8	12.0	0.90												
XAN	28.6	329	P	14 39 53.3	-1.4														
			S	14 44 44.0	6.7														
			LN		Ms = 4.8	15.0	1.22												
DL2	28.8	352	eP	14 40 01.0	4.0														
			eS	14 44 48.0	5.6														
			LZ		Ms = 4.3	18.0	0.63												
TIY	30.1	338	eP	14 40 07.0	-1.2														
			S	14 45 06.0	4.7														
			LN		Ms = 4.9	16.0	0.81												
			LE			13.0	0.83												
			LZ		Ms = 4.4	22.0	1.04												
BJI	31.0	345	eP	14 40 16.0	-0.4														
			eS	14 45 20.0	3.2														
			LN		Ms = 4.4	11.0	0.29												
			LZ		Ms = 4.5	16.0	0.87												
SNY	31.5	356	eP	14 40 22.7	1.7														
			S	14 45 26.0	1.7														
			LZ		Ms = 4.5	20.0	1.09												
LZH	32.8	325	eP	14 40 32.0	-0.6														
			S	14 45 48.0	3.3														
			LE		Ms = 4.9	15.0	1.20												
			LZ		Ms = 4.8	16.0	1.60												
HHC	33.1	339	eP	14 40 35.6	0.3														
			S	14 45 52.1	2.5														
			LN		Ms = 5.3	20.0	2.63												







TIY	38.8	346	LZ			48.0	51.4	PcP	20 47 44.0	0.5			
			+iP	20 45 18.5	-1.3			ScP	20 51 20.0	0.7			
			PMZ		$m_b = 6.3$	0.8	0.54	S	20 52 15.0	0.7			
			PMZ		$m_B = 6.5$	7.0	6.83	SS	20 55 26.0	-0.8			
			sP	20 46 06.0	-3.4			ScS	20 55 39.0	0.1			
			PcS	20 51 21.0	4.9			LN			13.0	8.00	
			sS	20 52 02.0	-0.7			LE			13.0	12.0	
LZH	40.2	335	LZ			12.0	20.1	LZ			22.0	27.5	
			+iP	20 45 32.0	0.3			P	20 46 07.0	0.0			
			PMZ		$m_b = 6.8$	1.8	3.71	PMZ		$m_b = 6.1$	1.5	0.65	
			PMZ		$m_B = 6.9$	9.0	24.0	pP	20 46 40.0	0.1			
			pP	20 46 06.0	1.9			sP	20 46 55.0	-2.1			
			sP	20 46 24.0	2.7			S	20 52 28.0	-2.1			
			PP	20 47 14.5	4.8			SME			13.0	7.10	
			S	20 51 29.0	2.7			sS	20 53 26.0	-2.9			
			ScS	20 55 24.0	5.0			LN			14.0	7.92	
			LN			15.0	29.6	LE			14.0	4.43	
BJI	40.3	351	LE			16.0	34.7	LZ			30.0	13.2	
			+P	20 45 32.0	0.0			GTA	44.7 334	+iP	20 46 08.0	-0.4	
			PMZ		$m_b = 6.1$	1.0	0.45	PMZ		$m_B = 6.9$	6.0	15.8	
			PMZ		$m_B = 6.6$	7.0	9.50	S	20 52 30.0	-2.3			
			esP	20 46 20.0	-1.8			sS	20 53 36.0	4.8			
			ePP	20 47 12.0	1.6			LE			12.5	20.7	
			esS	20 52 20.0	-5.2			LZ			20.0	21.6	
			eSS	20 54 24.0	-2.0			WMQ	54.0 328	+iP	20 47 17.8	-1.3	
			+iP	20 45 41.0	-0.9			PMZ		$m_B = 7.1$	6.0	19.5	
			PMZ		$m_b = 6.0$	1.0	0.36	PP	20 49 23.0	-0.3			
SNY	41.5	360	PMZ			16.0	14.6	S	20 54 40.0	-0.6			
			pP	20 46 14.6	0.0			sS	20 55 46.0	4.8			
			sP	20 46 29.0	-2.8			LN			13.0	10.3	
			PP	20 47 20.0	-2.4			LE			13.0	16.6	
			S	20 51 45.0	-0.1			LZ			28.0	27.9	
			SMN			13.0	14.8	KSH	58.5 318	+iP	20 47 51.0	-0.5	
			SME			10.0	8.34	PMZ		$m_B = 7.0$	6.0	16.0	
			LN			19.0	18.4	PP	20 50 05.0	1.4			
			LE			14.0	17.2	S	20 55 43.0	2.4			
			LZ			20.0	42.3	LN			16.0	33.0	
HHC	42.0	346	+iP	20 45 46.0	-0.1			DEC 9d 20h 59m $31.6 \pm 0.09s$ , SD2.06 / 24					
			PMZ		$m_B = 6.5$	8.0	7.87	38.26 N $\pm 1.32km$ , 75.03 E $\pm 1.29km$ , h94 $\pm 0.68km$					
			pP	20 46 20.0	1.4			Tadzhikistan-Xinjiang border region (719)					
			sP	20 46 40.0	4.2			KSH	1.4 29	P	21 00 01.3	3.6	
			S	20 51 50.9	-1.2			S			21 00 20.5	3.8	
			SMN			15.0	21.5	WMQ	11.1 56	P	21 02 06.5	-1.9	
			SME			10.0	14.7	LZH	23.0 86	eP	21 04 31.5	1.9	
			LN			16.0	27.9	DEC 10d 01h 18m $47.1 \pm 0.09s$ , SD1.26 / 76					
			LE			16.0	16.2	12.74 N $\pm 1.27km$ , 125.09 E $\pm 1.53km$ , h56 $\pm 0.11km$					
			LZ			21.0	47.2	Samar (251)					
BTO	42.1	344	+iP	20 45 46.0	-1.3			$M_S 4.7 / 22$ , $m_b 4.9 / 16$ ,					
			PMZ		$m_B = 6.6$	6.0	8.92	QZN	15.9 295	eP	01 22 26.5	-2.8	
			sP	20 46 40.0	2.9			eS			01 25 17.0	-6.3	
			PP	20 47 32.0	2.7			LE		$M_S = 4.8$	16.0	3.60	
			S	20 51 52.0	-2.4			P			01 23 02.5	0.0	
			sS	20 52 54.0	1.4			PMZ		$m_b = 4.8$	1.5	0.067	
			LN			20.0	61.6	eS			01 26 28.0	3.7	
			LE			12.0	7.90	LE		$M_S = 4.6$	16.0	1.47	
			+P	20 45 52.8	0.6			LZ		$M_S = 4.0$	20.0	0.75	
			PMZ		$m_B = 6.8$	6.0	12.8	NJ2	20.1 344	-P	01 23 17.0	-1.5	
LSA	42.7	316	pP	20 46 22.0	-2.5			LZ		$M_S = 4.2$	18.0	0.89	
			sP	20 46 45.0	3.4			+P			01 23 22.0	0.8	
			iS	20 52 00.0	-4.5			PMZ		$m_b = 4.9$	1.2	0.080	
			SME		$m_B = 6.3$	9.0	4.74	pP			01 23 30.0	-3.2	
			sS	20 53 06.0	5.1			PP			01 23 47.0	5.1	
			ScS	20 55 35.5	1.6			eS			01 27 02.0	1.4	
			+P	20 45 57.0	-1.2			LN		$M_S = 4.8$	17.0	1.76	
			PMZ		$m_B = 6.5$	8.0	8.40	LE			17.0	1.85	
			pP	20 46 33.0	1.9			LZ		$M_S = 4.4$	14.0	1.18	
			PP	20 47 43.0	0.3								
CN2	43.5	2											





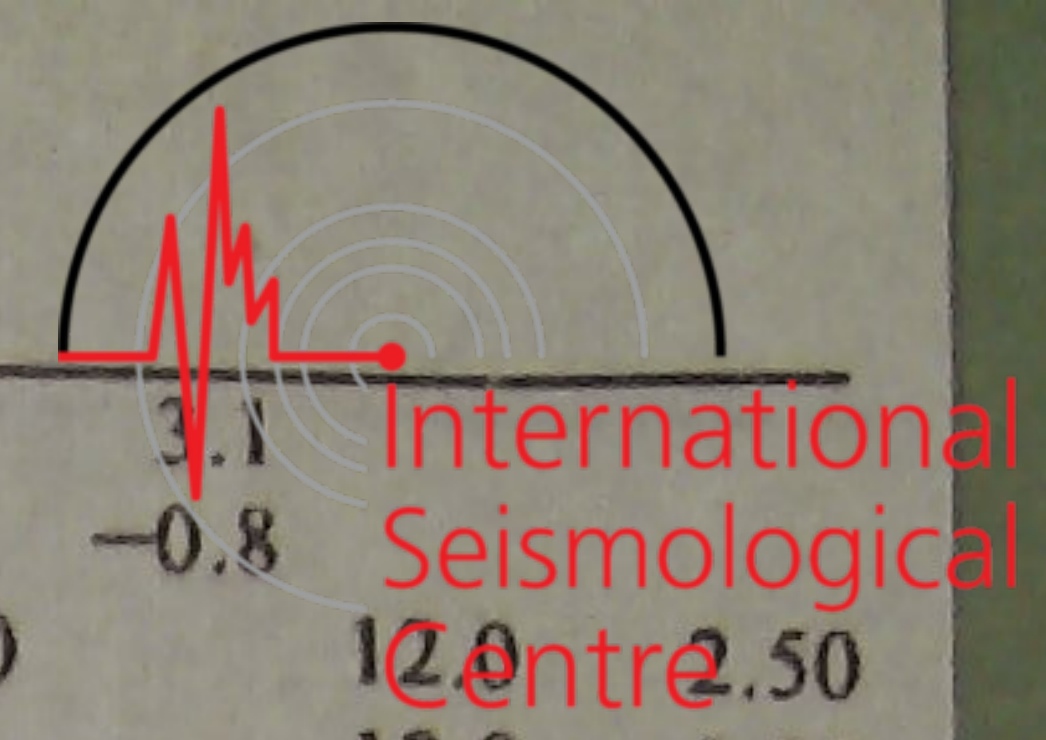






	eS	16 20 37.0	-2.7					BJI	44.9 344	eP	16 27 36.5	-1.2			
	SMN	$m_B = 5.8$		6.0	0.60			GTA	51.0 329	eP	16 28 25.4	0.1			
	SME			6.0	0.70			WMQ	60.6 325	eP	16 29 33.0	-1.5			
GYA	SS	16 25 26.0	-3.3					DEC 11d 17h 28m $48.1 \pm 0.16s$ , SD1.59 / 13 16.09 S $\pm 3.17km$ , 172.62 W $\pm 2.79km$ , h20 $\pm km$ Tonga (173) $m_b 5.1 / 3$ ,							
	P	16 11 34.8	-0.2					CN2	82.1 320	+P	17 41 09.6	-0.1			
	pP	16 12 23.0	0.1					BJI	86.5 313	eP	17 41 33.0	1.2			
	S	16 20 59.0	4.5							PMZ	$m_b = 5.3$		1.5	0.037	
BJI	eP	16 11 40.5	0.0							eS	17 52 12.0	6.0			
	PMZ	$m_b = 5.5$		1.0	0.11			TIY	88.3 310	eP	17 41 40.6	0.1			
	PMZ	$m_b = 5.3$		6.0	0.41			DEC 12d 05h 09m $09.9 \pm 0.11s$ , SD1.72 / 6 24.77 N $\pm 1.50km$ , 101.50 E $\pm 0.45km$ , h16 $\pm km$ Yunnan Province (318) $M_L 3.4 / 5$ ,							
	ePcP	16 11 51.5	0.4					KMI	1.2 72	-Pn	05 09 33.0	0.4			
	epP	16 12 24.0	-4.8							Pg	05 09 34.5	3.6			
	eS	16 21 08.0	0.8							Sg	05 09 53.5	6.3			
	eScS	16 21 33.0	0.8							SMN	$M_L = 3.4$	0.5	0.73		
	eSS	16 26 08.0	0.4							SME		0.5	0.51		
TIY	+P	16 11 44.6	-1.1					GYA	5.0 69	Pn	05 10 25.0	0.6			
	PMZ	$m_b = 5.4$		1.0	0.080					Sn	05 11 20.8	-2.6			
	pP	16 12 33.0	-1.0							SMN	$M_L = 3.1$	1.0	0.030		
	sP	16 12 55.0	-0.6							SME		1.0	0.020		
	iS	16 21 20.5	3.2					DEC 12d 06h 57m $01.9 \pm 0.11s$ , SD1.49 / 28 9.95 N $\pm 2.66km$ , 126.39 E $\pm 1.69km$ , h43 $\pm 0.69km$ Mindanao (259) $m_b 4.6 / 5$ ,							
	ScS	16 21 40.0	0.5					SSE	21.6 348	P	07 01 49.5	-0.7			
	SS	16 26 26.0	4.9							PMZ	$m_b = 4.6$		1.0	0.028	
XAN	+iP	16 11 47.3	0.0							pP	07 02 00.5	-0.1			
	pP	16 12 37.0	1.3					NJ2	23.1 343	-P	07 02 06.2	1.3			
	S	16 21 23.0	4.3							S	07 06 14.0	6.1			
KMI	+P	16 11 50.0	1.2					WHN	23.4 333	P	07 02 08.5	0.9			
	PMZ	$m_b = 6.0$		1.0	0.30					pP	07 02 18.8	0.6			
	pP	16 12 38.0	1.0					LZH	33.1 325	P	07 03 35.5	-1.1			
	S	16 21 27.0	5.8							PMZ	$m_b = 5.0$		1.2	0.028	
	ScS	16 21 45.0	1.1					GTA	37.7 325	-iP	07 04 15.6	-0.1			
HHC	P	16 11 58.8	0.2					DEC 12d 08h 33m $55.3 \pm 0.11s$ , SD0.78 / 90 4.67 S $\pm 1.42km$ , 130.89 E $\pm 1.46km$ , h74 $\pm 0.12km$ Banda Sea (280) $M_S 5.4 / 47$ , $m_B 6.1 / 36$ , $m_b 5.8 / 28$ ,							
	pP	16 12 46.0	-1.2					QZN	31.4 319	-iP	08 40 10.5	-1.1			
	S	16 21 41.0	0.4							PMZ	$m_B = 6.2$		5.0	2.00	
	SMN	$m_B = 5.8$		7.0	0.49					pP	08 40 25.0	-3.7			
	SME			8.0	0.89					sP	08 40 37.5	-0.3			
CD2	eP	16 11 59.5	0.5							PP	08 41 15.0	-1.9			
	pP	16 12 48.0	0.4							S	08 45 10.0	-1.8			
	S	16 21 46.0	4.5							SMN	$m_B = 6.2$		8.0	3.88	
	ScS	16 21 59.0	-0.6							SME			10.5	5.15	
BTO	eP	16 12 03.5	0.5							LN	$M_S = 5.6$		14.0	5.85	
	pP	16 12 53.0	1.4					QZH	31.8 338	-P	08 40 14.2	-0.9			
	S	16 21 51.0	1.9							PMZ	$m_B = 6.2$		3.5	1.49	
	sS	16 23 17.5	1.8							sP	08 40 46.5	5.1			
LZH	+P	16 12 12.5	0.4							PP	08 41 22.0	-0.1			
	PMZ	$m_b = 5.5$		1.4	0.15					S	08 45 16.0	-2.1			
	pP	16 13 02.5	1.7							LN	$M_S = 5.2$		13.0	1.98	
	esP	16 13 22.0	-0.3							LZ	$M_S = 4.9$		18.0	2.30	
	S	16 22 05.0	-1.7					GZH	32.5 329	-P	08 40 20.9	-0.4			
GTA	+iP	16 12 34.3	0.3							pP	08 40 38.0	-0.4			
	PMZ	$m_b = 5.5$		0.8	0.070					S	08 45 27.0	-2.1			
	pP	16 13 23.5	0.4							sS	08 45 59.1	-0.7			
	SKS	16 22 30.5	-6.4							DEC 11d 16h 19m $23.6 \pm 0.17s$ , SD1.94 / 11 2.97 S $\pm 1.29km$ , 131.00 E $\pm 3.02km$ , h31 $\pm 0.39km$ Seram (272)					
	S	16 22 53.0	3.3							TIY	44.0 339	eP	16 27 30.5	0.1	
LSA	P	16 12 45.0	-1.1												
	pP	16 13 34.0	-1.1												
	iSKS	16 22 55.5	2.9												
	eS	16 23 20.0	4.6												
	SME	$m_B = 6.0$		6.0	0.74										
WMQ	P	16 13 20.0	-0.6												
	pP	16 14 05.0	-5.2												
	SKS	16 23 37.0	2.2												
	SMN	$m_B = 6.2$		6.0	0.47										
	SME			6.0	0.87										





SSE	36.8	346	LN	$M_s = 5.3$	15.0	3.16	pP	08 42 20.0	3.1	International Seismological Centre			
			LZ	$M_s = 5.4$	24.0	8.10	S	08 48 25.0	-0.8				
			+P	08 40 57.6	-0.2	SMN	$m_B = 6.0$	12.0	2.50				
			PMZ	$m_b = 5.7$	1.5	0.22	SME		13.0		1.88		
			PMZ		3.0	0.89	LN	$M_s = 5.7$	12.0		1.50		
			pP	08 41 17.0	1.7	LE		14.0	3.87				
			PP	08 42 24.0	0.3	LZ	$M_s = 5.2$	26.0	3.95				
			S	08 46 34.0	-1.1	TIY	45.5	339	-iP		08 42 08.0	-1.9	
			eSS	08 49 00.0	-6.5				PMZ		$m_b = 6.2$	1.1	0.32
			LN	$M_s = 5.4$	16.0				1.22		sP	08 42 39.0	2.6
LE		13.0	2.41	ScP	08 47 34.0				2.0				
-iP	08 41 11.0	0.5	S	08 48 43.0	-1.9								
PMZ	$m_b = 5.6$	1.4	0.14	sS	08 49 15.0				-1.8				
PMZ	$m_b = 6.2$	5.0	1.77	SS	08 51 59.5				-2.6				
pP	08 41 23.5	-4.6	LE	$M_s = 5.3$	12.0				1.22				
sP	08 41 33.0	-4.1	LZ	$M_s = 5.2$	30.0				3.92				
S	08 46 56.0	-2.2	BJI	46.5	344				eP	08 42 17.0	-0.5		
LN	$M_s = 5.3$	12.0				1.03	PMZ	$m_b = 6.3$	1.5	0.58			
LE		11.0				1.55	PMZ	$m_B = 6.0$	4.0	0.89			
-iP	08 41 13.5	1.7				esP	08 42 40.0	-4.2					
PMZ	$m_b = 6.3$	1.2				0.59	eScP	08 47 39.5	3.5				
PMZ		3.0				2.26	eS	08 48 59.0	-0.9				
pP	08 41 32.0	2.7				esS	08 49 28.0	-2.8					
iPP	08 42 46.0	2.4				eSS	08 52 18.0	-0.5					
iS	08 47 01.5	0.1				LN	$M_s = 5.4$	13.0	0.74				
iScP	08 47 07.0	3.3				LE		14.0	1.49				
GYA	38.8	324	LN	$M_s = 5.4$	18.0	3.47	LZ	$M_s = 5.3$	27.0	4.73			
			LZ	$M_s = 5.1$	24.0	3.41	SNY	46.8	353	-iP	08 42 19.0	-0.5	
			-iP	08 41 16.0	0.7	PMZ				$m_b = 5.8$	1.2	0.17	
			PMZ	$m_b = 5.9$	1.2	0.26				PMZ	$m_B = 5.7$	12.0	1.15
			PMZ		3.0	1.60				pP	08 42 38.0	0.7	
			pP	08 41 34.0	1.3	PcP				08 43 51.0	-0.6		
			sP	08 41 46.0	4.3	PP				08 44 09.5	-0.4		
			PP	08 42 50.0	1.5	iS				08 49 02.0	-1.4		
			S	08 47 06.0	-0.6	SMN				$m_B = 6.0$	9.0	1.23	
			ScS	08 51 17.0	2.0	SME					10.0	1.30	
LN	$M_s = 5.6$	16.0	3.70	LN	$M_s = 5.7$	19.0				5.08			
KMI	40.3	319	LE		16.0	2.50	LE		14.0	1.22			
			-P	08 41 29.0	1.3	LZ	$M_s = 5.6$	20.0	7.25				
			PMZ	$m_b = 6.5$	2.5	1.88	LZH	47.8	330	-P	08 42 27.5	-0.5	
			pP	08 41 47.0	1.9	PMZ				$m_b = 6.4$	1.8	0.84	
			PP	08 43 08.0	3.5	PMZ				$m_B = 6.5$	3.5	2.08	
			iS	08 47 30.0	-0.2	pP				08 42 45.0	-0.6		
			sS	08 48 02.0	1.8	sP				08 42 55.0	0.6		
			SS	08 50 24.0	-1.1	PP				08 44 17.5	-2.0		
			-P	08 41 45.9	-0.9	ScP				08 47 43.5	2.0		
			ScP	08 47 21.4	1.1	S				08 49 18.0	0.8		
S	08 48 01.0	-2.5	ScS	08 52 13.0	2.6								
LN	$M_s = 5.3$	14.0	1.50	SS	08 52 40.0	-1.2							
XAN	43.7	333	LE		11.5	0.60	LN	$M_s = 5.8$	20.0	4.91			
			LZ	$M_s = 5.2$	26.0	4.00	LE		20.0	4.10			
			P	08 41 54.9	-0.7	LZ	$M_s = 5.6$	34.0	10.5				
			S	08 48 17.5	-1.6	CN2	48.5	355	eP	08 42 33.6	0.5		
			LN	$M_s = 5.6$	13.0				2.92	PMZ	$m_b = 5.6$	0.7	0.060
			LE		18.0				2.72	PMZ	$m_B = 6.0$	4.0	0.80
			-iP	08 41 56.0	-0.5				pP	08 42 50.5	-0.5		
			pP	08 42 15.3	1.1				PP	08 44 26.0	-0.1		
			sP	08 42 26.0	2.9				ScP	08 47 45.0	0.6		
			PP	08 43 42.0	1.4				S	08 49 27.0	0.1		
PcP	08 43 46.5	5.0	SMN	$m_B = 5.9$	7.0				0.60				
S	08 48 17.0	-3.9	SME		7.0				0.90				
SS	08 51 35.2	2.9	ScS	08 52 15.0	0.0								
ScS	08 51 46.0	0.9	eSS	08 52 54.0	1.0								
DL2	44.2	350	LE	$M_s = 5.4$	12.0	2.00	LN	$M_s = 5.4$	18.0	2.20			
			LZ	$M_s = 5.4$	22.0	5.40	LZ	$M_s = 5.5$	20.0	5.60			
			P	08 42 00.0	0.8	HHC	48.6	340	-P	08 42 34.6	0.3		
			PMZ	$m_b = 6.5$	1.6				1.03	pP	08 42 53.3	1.2	
			PMZ	$m_B = 5.5$	10.0				0.70	sP	08 43 02.1	1.2	

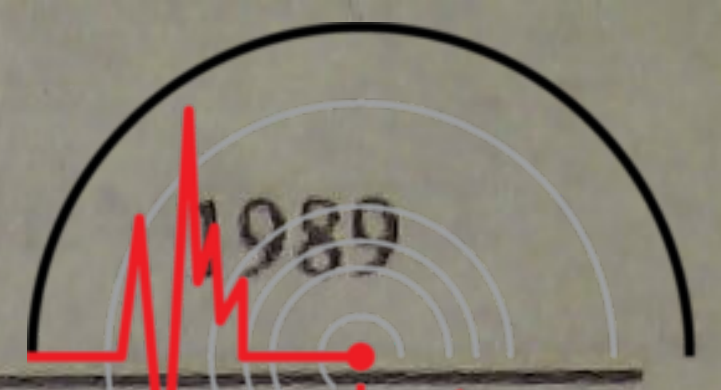


	S	08 49 29.6	0.8				S	11 18 16.0	1.5		
	SMN	$m_B = 6.1$	8.0	1.79			LE	$M_S = 4.8$	16.0	0.54	
	SME		6.0	0.79			LZ	$M_S = 4.6$	20.0	0.63	
	sS	08 50 02.0	1.0			BJI	47.6 340	eP	11 11 30.0	-1.3	
	SS	08 52 55.8	0.6					PMZ	$m_b = 5.8$	1.5	0.18
	LN	$M_S = 5.4$	15.0	1.54				LZ	$M_S = 4.6$	18.0	0.59
	LE		16.0	1.10		MDJ	49.0 354	eP	11 11 42.7	0.4	
	LZ	$M_S = 5.2$	20.0	2.70		LZH	49.9 326	P	11 11 48.5	-1.3	
BTO	48.9 339	-iP	08 42 36.5	-0.2				PMZ	$m_b = 5.7$	1.8	0.20
		pP	08 42 56.0	1.5		HHC	50.0 336	-P	11 11 51.4	1.1	
		ePP	08 44 29.0	-1.7		BTO	50.4 335	eP	11 11 54.5	1.0	
		S	08 49 34.0	0.8		GTA	54.5 326	-iP	11 12 25.4	1.1	
		eSS	08 52 59.0	-1.5		WMQ	64.3 323	-P	11 13 32.2	0.4	
		LN	$M_S = 5.5$	16.0	1.90			pP	11 13 43.0	2.1	
		LE		14.0	1.10			eS	11 22 07.0	0.3	
MDJ	49.1 359	-P	08 42 37.5	-0.1		DEC 12d 16h 15m $36.9 \pm 0.15s$ , SD1.31 / 46 20.74 S $\pm 2.10km$ , 67.22 W $\pm 1.17km$ , h197 $\pm 1.35km$ Chile-Bolivia border region (124)					
		PMZ	$m_b = 5.1$	1.0	0.026	KSH	143.4 51	PKP	16 34 46.6	-2.3	
		pP	08 42 58.0	2.5		WMQ	148.9 36	PKP	16 34 58.3	0.1	
		S	08 49 36.0	1.0		MDJ	152.4 334	ePKP	16 35 03.5	0.1	
		sS	08 50 04.0	-3.2		CN2	154.7 338	+PKP	16 35 05.6	-0.9	
		SS	08 53 03.0	0.4				PKP2	16 35 30.2	-1.9	
		LE	$M_S = 5.3$	13.0	1.38	SNY	157.1 339	ePKP	16 35 09.6	-0.1	
LSA	51.2 314	+iP	08 42 55.2	1.1				PKP2	16 35 40.9	-1.4	
		PMZ	$m_B = 6.4$	4.0	1.94	GTA	158.3 28	ePKP	16 35 11.8	0.4	
		sP	08 43 25.0	4.6		BJI	160.5 352	ePKP	16 35 14.0	0.3	
		iS	08 50 05.0	-0.9				ePKP2	16 35 55.0	-2.2	
		SME	$m_B = 6.2$	6.0	1.73	TIY	163.1 1	ePKP	16 35 15.4	-1.0	
GTA	52.4 330	-iP	08 43 02.5	-0.4		TIA	164.1 347	ePKP	16 35 17.4	0.1	
		pP	08 43 21.5	0.6		XAN	166.3 14	PKP	16 35 20.0	0.7	
		sP	08 43 33.5	3.9		WHN	170.1 352	ePKP	16 35 22.5	0.9	
		S	08 50 21.0	0.3		GYA	172.0 43	PKP	16 35 23.2	0.3	
		LN	$M_S = 5.2$	12.0	0.78	DEC 12d 19h 15m $33.8 \pm 0.17s$ , SD2.65 / 29 13.02 N $\pm 2.58km$ , 120.26 E $\pm 3.02km$ , h158 $\pm 0.67km$ Philippine Islands region (248)					
		LZ	$M_S = 5.3$	28.0	3.83	QZN	11.7 302	P	19 18 15.5	-0.8	
WMQ	61.9 326	-iP	08 44 10.0	-0.4				eS	19 20 20.0	-3.8	
		pP	08 44 28.0	-0.9		WHN	18.3 344	eP	19 19 39.0	0.8	
		PP	08 46 28.0	-0.9		GYA	18.5 318	P	19 19 44.2	3.7	
		S	08 52 27.0	0.8		XAN	23.3 336	P	19 20 33.2	4.3	
		SMN	$m_B = 6.3$	6.0	1.74	CD2	23.4 322	eP	19 20 27.8	-2.0	
		SME		6.0	1.96	TIY	25.6 346	eP	19 20 53.5	3.4	
		ScS	08 53 52.0	1.3				S	19 25 09.0	5.6	
		LN	$M_S = 5.4$	14.0	0.63	BJI	27.2 353	eP	19 21 07.0	2.5	
		LE		12.0	0.97			eS	19 25 32.0	2.0	
		LZ	$M_S = 5.5$	30.0	5.35			esS	19 26 30.0	3.1	
KSH	67.0 317	-iP	08 44 44.0	0.9		HHC	28.7 346	eP	19 21 22.2	3.1	
		pP	08 45 04.0	2.3		GTA	31.9 329	eP	19 21 47.6	0.8	
		PP	08 47 16.0	3.9		WMQ	41.5 324	eP	19 23 07.5	0.3	
		S	08 53 33.0	4.9		DEC 12d 22h 07m $06.6 \pm 0.24s$ , SD2.96 / 18 24.80 N $\pm 2.40km$ , 101.58 E $\pm 1.46km$ , h17 $\pm km$ Yunnan Province (318) $M_S 4.0 / 3$ , $M_L 3.8 / 7$ ,					
		SME	$m_B = 6.3$	8.0	3.20	GYA	4.9 69	Pn	22 08 22.0	2.2	
		ScS	08 54 32.0	3.0				Sn	22 09 18.6	0.7	
		LE	$M_S = 5.7$	15.0	2.00			Sg	22 09 46.0	6.6	
								SMN	$M_L = 3.7$	1.0	0.10
								SME		1.0	0.11
								LN	$M_S = 3.9$	8.0	1.20
								LE		8.0	0.70
						CD2	6.4 17	Pn	22 08 44.2	3.8	
						XAN	11.2 33	P	22 09 45.0	-4.5	
						WHN	12.7 60	eP	22 10 08.5	-0.8	
								pP	22 10 13.0	-1.5	









CN2	80.0	322	eP	20 00 05.5	0.2		
WHN	80.6	306	P	20 00 07.0	-1.3		
BJI	83.8	315	eP	20 00 24.0	-0.3		
TIY	85.2	312	+P	20 00 31.8	0.1		
XAN	86.2	307	P	20 00 37.2	0.8		
GTA	95.0	310	eP	20 01 15.7	-1.4		

DEC 14d 02h 12m 56.8 ± 0.07s, SD1.65 / 16  
21.77 N ± 1.98km, 144.50 E ± 1.91km, h77 ± 1.00km  
Marianas region (215)  
m<sub>b</sub>5.1 / 2,

SSE	22.8	299	P	02 17 54.0	0.0		
			PMZ		m <sub>b</sub> = 4.8	1.0	0.051
WMQ	51.5	309	P	02 21 57.0	-0.1		

DEC 14d 04h 13m 02.3 ± 0.08s, SD2.06 / 30  
37.67 N ± 0.88km, 115.39 E ± 0.76km, h20 ± 0.15km  
North-Eastern China (658)  
M<sub>L</sub>3.9 / 23,

TIA	2.0	136	Pn	04 13 35.5	-0.2		
			Pg	04 13 37.0	-0.9		
			Sg	04 14 01.3	-4.3		
			SMN		M <sub>L</sub> = 3.5	0.5	0.43
			SME			0.5	0.36
TIY	2.3	272	+Pn	04 13 42.2	1.8		
			Pg	04 13 44.8	0.9		
			Sg	04 14 12.7	-3.4		
			SMN		M <sub>L</sub> = 3.9	0.8	0.80
			SME			0.6	0.59
BJI	2.4	14	Pn	04 13 41.0	-0.6		
			Pg	04 13 46.0	0.5		
			Sg	04 14 17.0	-2.0		
HHC	4.3	318	ePn	04 14 07.5	-0.4		
			Sn	04 14 57.5	-2.4		
			SMN		M <sub>L</sub> = 4.3	1.0	0.43
			SME			1.0	0.52
DL2	5.1	74	ePn	04 14 19.5	2.0		
			SMN		M <sub>L</sub> = 3.7	1.2	0.083
			SME			1.2	0.081
BTO	5.1	307	Pg	04 14 32.4	-0.2		
			SMN		M <sub>L</sub> = 3.5	0.8	0.060
			SME			0.8	0.060
NJ2	6.3	152	ePg	04 14 58.0	4.6		
XAN	6.4	237	Pn	04 14 40.0	4.2		
			Pg	04 14 55.2	0.2		
			Sg	04 16 16.6	-5.7		
			SMN		M <sub>L</sub> = 3.7	0.8	0.060
			SME			0.8	0.030
GTA	12.3	283	eP	04 16 00.8	0.7		

DEC 14d 04h 25m 02.5 ± 0.07s, SD1.53 / 34  
36.30 N ± 1.66km, 141.22 E ± 1.33km, h61 ± 1.29km  
Near east coast of Honshu (228)  
m<sub>b</sub>4.2 / 3,

MDJ	12.1	317	eP	04 27 58.0	3.0		
SNY	14.8	297	eP	04 28 30.8	1.3		
BJI	20.0	288	eP	04 29 32.0	-1.2		
WHN	23.1	263	eP	04 30 05.0	0.8		
GYA	31.0	261	P	04 31 17.0	0.5		
GTA	32.6	288	eP	04 31 31.4	0.1		
WMQ	41.0	298	eP	04 32 42.2	0.2		

DEC 14d 10h 38m 36.1 ± 0.10s, SD1.07 / 40  
1.01 N ± 1.34km, 126.09 E ± 2.13km, h33 ± 0.17km  
Molucca Passage (266)  
m<sub>b</sub>5.2 / 7,

WHN	31.4	340	eP	10 44 53.0	-3.8		
GYA	31.5	325	P	10 44 57.4	0.0		

XAN	36.6	336	P	10 45 40.6	-0.8		
DL2	37.9	354	eP	10 45 54.0	1.3		
TIY	38.6	343	eP	10 45 57.2	-1.4		
BJI	39.9	348	eP	10 46 08.0	-0.9		
SNY	40.7	357	-iP	10 46 15.2	-0.4		
			PMZ		m <sub>b</sub> = 5.3	1.0	0.052
CN2	42.6	359	+P	10 46 31.0	-0.4		
MDJ	43.5	4	eP	10 46 39.5	0.6		
GTA	45.1	331	+P	10 46 51.6	-0.2		
			PcP	10 48 32.6	0.9		
WMQ	54.6	327	eP	10 48 04.0	-0.3		

DEC 14d 13h 02m 45.1 ± 0.11s, SD1.39 / 19  
6.28 S ± 3.13km, 122.80 E ± 3.27km, h43 ± 1.99km  
Flores Sea (279)

WHN	37.5	348	eP	13 09 59.0	2.0		
XAN	42.2	343	P	13 10 35.2	-0.8		
TIY	44.8	348	eP	13 10 56.8	-0.5		
BJI	46.5	353	eP	13 11 10.5	0.0		
GTA	50.2	337	eP	13 11 39.2	-0.2		
MDJ	51.0	6	eP	13 11 43.0	-2.6		
WMQ	59.1	331	eP	13 12 43.6	-0.6		

DEC 14d 16h 04m 53.9 ± 0.03s, SD2.21 / 6  
46.85 N ± 0.33km, 86.40 E ± 0.30km, h31 ± 0.49km  
Northern Xinjiang Province (332)  
M<sub>L</sub>3.4 / 6,

WMQ	3.2	163	ePn	16 05 43.2	1.0		
			Sg	16 06 31.0	-2.7		
			SMN		M <sub>L</sub> = 3.0	0.8	0.050
			SME			0.4	0.050

DEC 14d 18h 27m 04.0 ± 0.15s, SD1.11 / 50  
8.72 N ± 1.28km, 126.90 E ± 1.60km, h39 ± 0.45km  
Mindanao (259)  
m<sub>b</sub>4.7 / 5,

QZN	19.4	304	eP	18 31 28.3	-2.0		
SSE	22.9	347	+P	18 32 07.0	1.5		
			PMZ		m <sub>b</sub> = 4.9	1.0	0.056
			sP	18 32 18.3	-1.7		
WHN	24.7	333	P	18 32 23.0	0.1		
TIY	31.7	338	eP	18 33 26.4	-0.2		
BJI	32.6	345	eP	18 33 35.0	0.3		
SNY	33.1	355	+iP	18 33 39.4	0.6		
HHC	34.8	339	eP	18 33 52.6	-0.8		
CN2	35.0	358	eP	18 33 56.0	1.1		
MDJ	35.8	3	eP	18 34 03.5	1.2		
GTA	39.0	326	eP	18 34 28.0	-1.0		
LSA	39.4	307	P	18 34 33.8	0.9		
WMQ	48.8	323	P	18 35 48.3	0.4		

DEC 14d 19h 13m 52.4 ± 0.13s, SD0.91 / 78  
10.33 S ± 1.40km, 161.45 E ± 2.27km, h34 ± 0.53km  
Solomon Islands (193)  
M<sub>S</sub>5.8 / 35, m<sub>B</sub>5.9 / 11, m<sub>b</sub>5.4 / 18,

QZH	54.5	311	P	19 23 21.5	1.6		
			S	19 30 54.5	0.1		
			LE		M <sub>S</sub> = 5.7	18.0	3.52
			LZ		M <sub>S</sub> = 5.2	21.0	2.29
SSE	56.5	318	eP	19 23 33.7	0.0		
			pP	19 23 44.5	1.1		
			eS	19 31 22.0	0.9		
			sS	19 31 39.0	1.9		
			LE		M <sub>S</sub> = 5.6	20.0	2.80
			LZ		M <sub>S</sub> = 5.2	22.0	2.41
QZN	58.6	300	eP	19 23 50.5	1.3		
			eS	19 31 49.0	-0.9		
			LN		M <sub>S</sub> = 6.0	25.0	4.76





WHN	60.8 314	LE	25.0	8.96	KMI	67.2 303	LE	19 24 46.0	22.0	5.70							
		eP	19 24 03.7	-0.4			+P	19 24 46.0	0.1	5.70							
		pP	19 24 15.2	1.5			PMZ	$m_B = 5.8$	5.0	0.60							
		eS	19 32 12.0	-5.7			pP	19 24 57.0	1.6								
		LN	$M_S = 5.9$	22.0			3.85	sP	19 25 04.0	4.6							
DL2	61.4 325	LE	22.0	4.76	HHC	68.6 321	PcP	19 25 13.0	0.2								
		LZ	$M_S = 5.5$	22.0			3.92	S	19 33 38.0	2.6							
		eP	19 24 07.0	-1.3			sS	19 33 58.0	5.2								
		PMZ	$m_b = 5.7$	1.0			0.10	LE	$M_S = 5.5$	18.0	1.70						
		S	19 32 25.0	0.5				LZ	$M_S = 5.7$	28.0	6.40						
MDJ	61.8 335	LN	$M_S = 5.7$	16.0	2.56	CD2	68.8 309	eP	19 24 54.6	-0.2							
		LE	16.0	1.27	BTO			69.4 321	pP	19 25 06.0	1.7						
		+P	19 24 11.0	0.1						eS	19 33 55.0	0.9					
		PMZ	$m_b = 5.7$	1.0					0.094	LN	$M_S = 5.7$	20.0	1.50				
		pP	19 24 22.0	1.4						LE		20.0	2.10				
S	19 32 28.0	-1.5		LZ		$M_S = 5.7$	26.0		6.40								
TIA	62.3 320	sS	19 32 52.0	5.2		LZH	71.2 314	P	19 24 56.0	-0.2							
		LE	$M_S = 5.9$	25.0	6.33			GTA	75.5 315	pP	19 25 09.0	3.2					
		eP	19 24 14.2	-0.1						WMQ	85.6 316	S	19 33 55.4	0.0			
		pP	19 24 24.8	0.8								KSH	93.1 309	sS	19 34 16.0	3.1	
		eS	19 32 34.0	-3.1										SSE	7.9 323	ScS	19 34 52.6
LN	$M_S = 5.9$	20.0	4.44	WHN	12.3 300	LZ	$M_S = 5.3$									30.0	3.00
LE	20.0	3.45				BJI	17.5 332	P	19 24 59.0							-0.8	
LZ	$M_S = 5.5$	25.0	3.92					TIY	66.2 319	pP	19 25 10.0					0.7	
-iP	19 24 15.2	-0.1								GYA	64.5 306	eS	19 34 00.0			-3.7	
pP	19 24 26.6	1.6										SME	8.0	LN	$M_S = 5.6$	18.0	1.70
PcP	19 24 54.8	1.4		CN2	63.0 331									LE		18.0	1.30
S	19 32 34.0	-3.7				GTA	75.5 315							PMZ	$m_b = 5.3$	2.2	0.089
SMN	$m_B = 5.8$	10.0	0.88					KSH	93.1 309					PMZ	$m_B = 6.0$	4.0	0.71
SME	8.0	0.85								SSE	7.9 323			pP	19 25 16.8	-3.3	
LN	$M_S = 5.9$	20.0	4.44									WHN	12.3 300	sP	19 25 22.5	-1.7	
LE	20.0	3.45		BJI	17.5 332									S	19 34 16.0	-6.8	
LZ	$M_S = 5.7$	26.0	7.10			TIY	66.2 319							LE	$M_S = 5.8$	20.0	3.09
eP	19 24 18.5	-0.5						GYA	64.5 306					LZ	$M_S = 5.8$	22.0	6.05
PMZ	$m_b = 5.7$	0.8	0.080							SSE	7.9 323			+P	19 25 36.2	0.0	
PMZ	3.0	0.40										WHN	12.3 300	pP	19 25 47.0	1.3	
pP	19 24 29.0	0.3		BJI	17.5 332									S	19 35 13.0	0.9	
eScP	19 28 52.5	-1.2				TIY	66.2 319							sS	19 35 34.0	4.3	
eS	19 32 44.0	-1.9						GYA	64.5 306					LE	$M_S = 5.5$	17.0	1.29
SMN	$m_B = 5.9$	5.0	0.50							SSE	7.9 323			LZ	$M_S = 5.5$	20.0	2.70
SME	5.0	0.50										KSH	93.1 309	-P	19 26 29.0	-0.6	
SS	19 36 50.0	-2.5		GTA	75.5 315									PMZ	$m_b = 5.0$	2.0	0.030
LN	$M_S = 5.8$	20.0	3.70			WHN	12.3 300							pP	19 26 39.5	0.3	
LZ	$M_S = 5.7$	24.0	5.90					BJI	17.5 332					S	19 36 54.0	-2.5	
eP	19 24 18.5	-0.5								TIY	66.2 319			LZ	$M_S = 5.7$	28.0	4.22
PMZ	$m_b = 5.7$	0.8	0.080									GYA	64.5 306	P	19 27 05.9	0.9	
PMZ	3.0	0.40		SSE	7.9 323									eS	19 38 12.0	5.1	
pP	19 24 29.0	0.3				WHN	12.3 300							LE	$M_S = 6.0$	11.0	1.80
eScP	19 28 52.5	-1.2						BJI	17.5 332					DEC 15d 06h 24m $17.6 \pm 0.12s$ , SD2.86 / 22 24.85 N $\pm$ 3.40km, 126.68 E $\pm$ 2.66km, h53 $\pm$ 1.60km Ryukyu Islands (238) $m_b 5.4 / 3$ ,			
eS	19 32 44.0	-1.9								TIY	66.2 319			+P	06 26 10.2	-2.2	
SMN	$m_B = 5.9$	5.0	0.50									GYA	64.5 306	PMZ	$m_b = 5.2$	0.8	0.067
SME	5.0	0.50		SSE	7.9 323									pP	06 26 17.3	-1.7	
SS	19 36 50.0	-2.5				WHN	12.3 300							eP	06 27 13.0	0.4	
LN	$M_S = 5.8$	20.0	3.70					BJI	17.5 332					eP	06 28 17.0	-3.0	
LZ	$M_S = 5.7$	24.0	5.90							TIY	66.2 319			eP	06 28 19.1	-2.5	
eP	19 24 18.5	-0.5										GYA	64.5 306	P	06 28 30.8	3.4	
PMZ	$m_b = 5.7$	0.8	0.080	SSE	7.9 323									-P	06 29 11.5	-3.6	
PMZ	3.0	0.40				WHN	12.3 300							eP	06 29 51.6	-4.2	
pP	19 24 29.0	0.3						BJI	17.5 332					DEC 15d 07h 31m $50.4 \pm 0.16s$ , SD2.09 / 41 24.45 N $\pm$ 2.63km, 122.02 E $\pm$ 2.25km, h22 $\pm$ 1.47km Taiwan (244) $M_S 4.0 / 4$ , $M_L 4.1 / 9$ , $m_b 4.7 / 2$ ,			
eScP	19 28 52.5	-1.2								TIY	66.2 319						
eS	19 32 44.0	-1.9										GYA	64.5 306				
SMN	$m_B = 5.9$	5.0	0.50	SSE	7.9 323												
SME	5.0	0.50				WHN	12.3 300										
SS	19 36 50.0	-2.5						BJI	17.5 332								
LN	$M_S = 5.8$	20.0	3.70							TIY	66.2 319						
LZ	$M_S = 5.7$	24.0	5.90									GYA	64.5 306				
eP	19 24 18.5	-0.5		SSE	7.9 323												
PMZ	$m_b = 5.7$	0.8	0.080			WHN	12.3 300										
PMZ	3.0	0.40						BJI	17.5 332								
pP	19 24 29.0	0.3								TIY	66.2 319						
eScP	19 28 52.5	-1.2										GYA	64.5 306				
eS	19 32 44.0	-1.9		SSE	7.9 323												
SMN	$m_B = 5.9$	5.0	0.50			WHN	12.3 300										
SME	5.0	0.50						BJI	17.5 332								
SS	19 36 50.0	-2.5								TIY	66.2 319						
LN	$M_S = 5.8$	20.0	3.70									GYA	64.5 306				
LZ	$M_S = 5.7$	24.0	5.90	SSE	7.9 323												
eP	19 24 18.5	-0.5				WHN	12.3 300										
PMZ	$m_b = 5.7$	0.8	0.080					BJI	17.5 332								
PMZ	3.0	0.40								TIY	66.2 319						
pP	19 24 29.0	0.3										GYA	64.5 306				
eScP	19 28 52.5	-1.2		SSE	7.9 323												
eS	19 32 44.0	-1.9				WHN	12.3 300										
SMN	$m_B = 5.9$	5.0	0.50					BJI	17.5 332								
SME	5.0	0.50								TIY	66.2 319						
SS	19 36 50.0	-2.5										GYA	64.5 306				
LN	$M_S = 5.8$	20.0	3.70	SSE	7.9 323												
LZ	$M_S = 5.7$	24.0	5.90			WHN	12.3 300										
eP	19 24 18.5	-0.5						BJI	17.5 332								
PMZ	$m_b = 5.7$	0.8	0.080							TIY	66.2 319						
PMZ	3.0	0.40										GYA	64.5 306				
pP	19 24 29.0	0.3		SSE	7.9 323												
eScP	19 28 52.5	-1.2				WHN	12.3 300										
eS	19 32 44.0	-1.9						BJI	17.5 332								
SMN	$m_B = 5.9$	5.0	0.50							TIY	66.2 319						
SME	5.0	0.50										GYA	64.5 306				
SS	19 36 50.0	-2.5		SSE	7.9 323												
LN	$M_S = 5.8$	20.0	3.70			WHN	12.3 300										
LZ	$M_S = 5.7$	24.0	5.90					BJI	17.5 332								
eP	19 24 18.5	-0.5								TIY	66.2 319						
PMZ	$m_b = 5.7$	0.8	0.080									GYA	64.5 306				
PMZ	3.0	0.40		SSE	7.9 323												
pP	19 24 29.0	0.3				WHN	12.3 300										
eScP	19 28 52.5	-1.2						BJI	17.5 332								
eS	19 32 44.0	-1.9								TIY	66.2 319						
SMN	$m_B = 5.9$	5.0	0.50									GYA	64.5 306				
SME	5.0	0.50		SSE	7.9 323												
SS	19 36 50.0	-2.5				WHN	12.3 300										
LN	$M_S = 5.8$	20.0	3.70					BJI	17.5 332								
LZ	$M_S = 5.7$	24.0	5.90							TIY	66.2 319						
eP	19 24 18.5	-0.5										GYA	64.5 306				
PMZ	$m_b = 5.7$	0.8	0.080	SSE	7.9 323												
PMZ	3.0	0.40				WHN	12.3 300										
pP	19 24 29.0	0.3						BJI	17.5 332								
eScP	19 28 52.5	-1.2								TIY	66.2 319						
eS	19 32 44.0	-1.9										GYA	64.5 306				
SMN	$m_B = 5.9$	5.0	0.50	SSE	7.9 323												
SME	5.0	0.50				WHN	12.3 300										
SS	19 36 50.0	-2.5						BJI	17.5 332								
LN	$M_S = 5.8$	20.0	3.70							TIY	66.2 319						
LZ																	





QZH	3.2	280	Pn	07 32	39.3	0.0		
			Sn	07 33	14.4	-3.7		
			SMN		$M_L=4.1$	1.0	0.75	
			SME			1.0	0.62	
SSE	6.7	354	P	07 33	27.8	-1.9		
			PMZ		$m_b=4.8$	0.7	0.044	
			eS	07 34	43.2	-2.4		
			SMN		$M_L=3.9$	1.0	0.043	
			SME			1.0	0.095	
			LE		$M_S=4.1$	5.0	0.78	
NJ2	8.1	341	-P	07 33	47.0	-2.4		
			S	07 35	15.5	-5.1		
			LE		$M_S=4.3$	5.0	0.88	
WHN	9.1	313	eP	07 34	07.0	3.1		
			pP	07 34	12.5	2.4		
			eS	07 35	53.5	6.6		
			SMN			1.0	0.18	
			SME			1.0	0.090	
			LE		$M_S=4.0$	5.0	0.40	
GYA	14.0	281	P	07 35	10.0	-0.4		
			pP	07 35	19.0	2.9		
			S	07 37	48.0	2.3		
			SMN			1.6	0.10	
			SME			1.6	0.10	
TIY	15.5	330	+P	07 35	34.5	4.2		
			S	07 38	26.0	4.2		
BJI	16.3	344	eP	07 35	40.0	0.1		
CD2	17.4	296	eP	07 35	54.6	0.8		
GTA	23.9	314	eP	07 37	04.2	-0.2		

DEC 15d 08h 12m  $00.2 \pm 0.20s$ , SD2.76 / 10  
 $24.75 N \pm 1.93km$ ,  $101.49 E \pm 1.07km$ ,  $h5 \pm km$   
 Yunnan Province (318)  
 $M_L 3.7 / 7$ ,

GYA	5.0	69	+Pn	08 13	17.8	1.8		
			SMN		$M_L=3.7$	1.2	0.13	
			SME			1.2	0.050	
CD2	6.5	18	Pg	08 13	49.4	-5.0		
			SMN		$M_L=3.7$	1.4	0.040	
			SME			1.2	0.050	

DEC 15d 12h 30m  $57.2 \pm 0.14s$ , SD1.25 / 48  
 $11.15 S \pm 2.50km$ ,  $162.31 E \pm 2.47km$ ,  $h35 \pm 0.71km$   
 Solomon Islands (193)  
 $M_S 5.3 / 6$ ,  $m_b 5.2 / 9$ ,

SSE	57.6	318	eP	12 40	46.2	-0.7		
			eS	12 48	45.0	3.8		
			LN		$M_S=5.2$	15.0	0.87	
			LZ		$M_S=4.9$	20.0	0.93	
WHN	62.0	313	P	12 41	16.5	-0.2		
MDJ	62.9	334	eP	12 41	19.5	-3.6		
SNY	63.6	329	eP	12 41	29.8	2.2		
			eS	12 49	53.0	-4.8		
			LZ		$M_S=5.0$	25.0	1.31	
CN2	64.1	331	+P	12 41	31.2	0.1		
			PMZ		$m_b=5.4$	1.6	0.087	
			pP	12 41	44.0	2.9		
			eS	12 50	03.0	-1.6		
			LN		$M_S=5.3$	13.0	0.80	
			LZ		$M_S=5.2$	17.0	1.50	
GYA	65.7	306	P	12 41	41.0	-0.4		
BJI	66.5	323	eP	12 41	45.5	-0.6		
			eS	12 50	32.0	-1.1		
			eScS	12 51	36.0	0.4		
			LZ		$M_S=5.0$	20.0	0.90	
XAN	67.7	314	P	12 41	53.5	-0.6		
HHC	69.8	321	eP	12 42	07.3	0.6		
			LZ		$M_S=5.0$	20.0	0.87	

CD2	70.0	309	eP	12 42	08.1	0.0		
BTO	70.6	320	eP	12 42	11.0	-0.7		
			pP	12 42	25.0	3.6		
			eS	12 51	23.0	0.9		
			LN		$M_S=5.4$	16.0	1.00	
			LE			16.0	0.60	
LZH	72.4	314	+P	12 42	22.5	0.1		
			PMZ		$m_b=5.3$	2.0	0.080	
			LZ		$M_S=5.0$	16.0	0.70	
WMQ	86.8	316	+P	12 43	40.3	0.1		
			PMZ		$m_b=5.0$	1.5	0.020	
			sP	12 43	55.0	1.0		
			PP	12 47	06.0	1.9		
			eS	12 54	14.0	-0.4		
			LZ		$M_S=5.1$	20.0	0.72	
KSH	94.2	309	eP	12 44	15.0	-0.1		

DEC 15d 13h 39m  $28.1 \pm 0.09s$ , SD0.93 / 56  
 $6.32 S \pm 1.43km$ ,  $104.44 E \pm 1.59km$ ,  $h62 \pm 0.06km$   
 South-west of Sumatera (273)  
 $M_S 4.6 / 1$ ,  $m_b 5.0 / 9$ ,

GYA	32.7	4	P	13 45	57.6	0.6		
			pP	13 46	13.8	2.6		
WHN	37.9	14	eP	13 46	42.0	0.9		
			sP	13 47	04.5	2.1		
XAN	40.4	6	P	13 47	01.6	-0.3		
LZH	42.2	359	-P	13 47	18.0	0.9		
			PMZ		$m_b=5.0$	1.6	0.039	
			LZ		$M_S=4.4$	18.0	0.50	
TIA	44.0	15	eP	13 47	30.8	-0.5		
TIY	44.4	9	-P	13 47	36.0	0.7		
			LN		$M_S=4.6$	12.0	0.29	
			LZ		$M_S=4.7$	18.0	0.85	
GTA	45.7	355	P	13 47	45.5	0.1		
BTO	47.0	6	eP	13 47	56.0	0.6		
BJI	47.4	12	eP	13 47	59.0	0.5		
			PMZ		$m_b=5.1$	0.7	0.018	
			LZ		$M_S=4.6$	16.0	0.58	
HHC	47.4	7	eP	13 47	59.2	0.5		
WMQ	52.1	345	P	13 48	34.5	-0.6		
			pP	13 48	50.5	0.5		
			eS	13 55	56.5	3.4		
KSH	52.7	332	e	13 48	40.0	-0.8		
CN2	53.4	19	+P	13 48	43.0	-1.2		
			pP	13 49	04.5	5.2		
			PcP	13 49	50.0	0.3		
			ScP	13 53	37.5	-2.7		
MDJ	55.5	22	eP	13 49	00.0	0.2		

DEC 15d 17h 51m  $14.4 \pm 0.15s$ , SD4.69 / 6  
 $25.86 N \pm 2.25km$ ,  $99.56 E \pm 1.45km$ ,  $h17 \pm km$   
 Yunnan Province (318)  
 $M_L 3.2 / 4$ ,

GYA	6.4	83	Pg	17 53	09.6	1.7		
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DEC 15d 18h 43m $43.9 \pm 0.17s$ , SD1.39 / 89 $8.39 N \pm 2.86km$ , $126.76 E \pm 1.90km$ , $h23 \pm 0.22km$ Mindanao (259) $M_S 7.2 / 53$ , $m_B 6.8 / 35$ , $m_b 6.2 / 21$ ,								
QZH	18.2	336	+P	18 47	57.5	0.3		
			PMZ		$m_b=6.5$	1.2	2.91	
			PMZ		$m_B=6.9$	8.0	52.3	
			sS	18 51	26.0	-1.1		
			LN		$M_S=6.9$	20.0	236	
			LE			21.0	362	
			LZ		$M_S=7.1$	20.0	983	
GZH	19.5	320	eP	18 48	12.0	-0.2		
			PMZ		$m_B=6.6$	12.0	37.4	





		S	18 51	47.0	2.4					PMZ	$m_b = 6.3$	2.5	1.09
		LN		$M_s = 6.9$	16.0	267				PMZ	$m_b = 6.5$	11.0	7.85
		LZ		$M_s = 6.7$	14.0	204				pP	18 50	38.5	-2.7
QZN	19.5 305	+P	18 48	14.0	1.3					sP	18 50	43.0	-1.5
		iS	18 51	52.0	5.4					PP	18 51	51.0	1.3
		LN		$M_s = 7.3$	16.0	687				S	18 56	00.0	0.1
SSE	23.2 348	+P	18 48	50.0	-0.1					sS	18 56	16.0	2.7
		PMZ		$m_B = 6.9$	6.0	30.1				ScP	18 56	49.0	-0.9
		pP	18 48	56.0	-1.5					PcS	18 56	57.0	4.3
		sP	18 49	06.0	5.0					SS	18 58	09.0	-3.0
		S	18 52	58.0	2.1					LN		$M_s = 7.6$	20.0 601
		sS	18 53	09.0	0.4					LE			18.0 359
		LN		$M_s = 7.1$	16.0	317	HHC	35.0 340	+P	18 50	37.0	-0.5	
		LE			16.0	139			PMZ		$m_B = 6.6$	10.0	11.5
NJ2	24.7 344	+P	18 49	05.0	0.5				sP	18 50	50.6	2.3	
		PMZ			14.0	46.8			S	18 56	04.8	-1.9	
		LN		$M_s = 6.7$	15.0	104			SMN		$m_B = 7.2$	11.0	50.8
		LE			15.0	40.6			SME			10.0	25.0
WHN	24.9 334	+P	18 49	06.5	-0.4				LN		$M_s = 7.0$	14.0	92.9
		PMZ		$m_B = 6.8$	12.0	39.8			LE			13.0	50.1
		pP	18 49	17.0	2.7				LZ		$M_s = 6.5$	24.0	92.3
		iS	18 53	24.0	-2.4				+P	18 50	39.0	-0.5	
		LE		$M_s = 7.3$	20.0	550	CN2	35.3 358	PMZ		$m_B = 7.1$	6.0	21.4
GYA	26.2 316	P	18 49	20.8	1.5				pP	18 50	49.0	1.9	
		PMZ		$m_B = 6.9$	6.0	18.3			PP	18 51	58.0	-0.6	
		pP	18 49	30.0	3.5				eS	18 56	09.0	-2.6	
		LN		$M_s = 7.2$	15.0	210			SMN			13.0	41.3
		LE			15.0	239			eSS	18 58	22.0	-6.3	
KMI	28.3 309	+P	18 49	43.0	4.5				LE		$M_s = 7.3$	18.0	316
		PMZ		$m_B = 6.8$	10.0	18.3	BTO	35.4 338	P	18 50	39.5	-0.8	
		sP	18 49	53.0	3.9				PMZ		$m_B = 6.5$	8.0	6.62
		PP	18 50	35.0	6.2				pP	18 50	51.0	3.2	
		LN		$M_s = 7.4$	18.0	540			PP	18 51	59.0	-0.5	
TIA	29.1 344	eP	18 49	42.8	-2.2				S	18 56	10.0	-1.9	
		PMZ		$m_B = 6.8$	11.0	21.4			sS	18 56	26.0	0.6	
		eS	18 54	37.0	3.0				SS	18 58	28.0	-2.1	
		LN		$M_s = 7.2$	14.0	250			LN		$M_s = 6.8$	13.0	61.0
		LE			14.0	41.5			LE			13.0	48.8
XAN	30.4 330	P	18 49	54.5	-2.2				+P	18 50	48.7	1.7	
		PMZ		$m_B = 6.6$	12.0	11.8	MDJ	36.2 3	PMZ		$m_b = 6.5$	1.0	0.77
		S	18 54	59.0	5.2				pP	18 50	55.0	0.4	
DL2	30.7 352	P	18 50	00.0	0.1				sP	18 51	00.0	2.1	
		PMZ		$m_b = 5.8$	1.0	0.19			S	18 56	24.0	-0.2	
		PMZ		$m_B = 6.9$	12.0	24.0			sS	18 56	36.0	-1.8	
		S	18 55	03.0	3.3				LN		$M_s = 7.5$	25.0	577
		LN		$M_s = 7.2$	16.0	202			LE			20.0	301
		LE			16.0	208	GTA	39.2 326	+P	18 51	12.0	-0.5	
CD2	31.0 319	eP	18 50	01.0	-1.6				PMZ			14.0	22.0
		S	18 55	02.0	-2.4				PP	18 52	47.0	0.8	
		sS	18 55	18.0	0.1				S	18 57	05.0	-5.4	
TIY	31.9 338	+P	18 50	10.0	-0.7				LE		$M_s = 7.3$	12.0	157
		pP	18 50	14.0	-4.0				P	18 51	17.2	1.6	
		S	18 55	23.0	4.4				S	18 57	19.0	3.7	
		SS	18 57	06.0	-4.9				LE		$M_s = 6.8$	16.0	64.3
		LE		$M_s = 6.8$	13.0	78.5	LSA	39.5 307	P	18 52	30.5	-0.8	
		LZ		$M_s = 6.5$	24.0	129			PMZ			16.0	29.5
BJI	32.9 345	+P	18 50	18.5	-0.5				PcP	18 53	52.0	-2.6	
		PMZ		$m_b = 5.9$	2.0	0.36			S	18 59	32.0	-0.3	
		PMZ		$m_B = 6.9$	12.0	22.1			sS	18 59	50.0	3.8	
		eS	18 55	37.0	2.5				LN		$M_s = 7.7$	18.0	405
		LE		$M_s = 7.2$	20.0	293	WMQ	49.0 323	P	18 52	30.5	-0.8	
SNY	33.4 356	+iP	18 50	24.0	0.6				PMZ			16.0	29.5
		PMZ		$m_b = 6.4$	0.8	0.52			S	18 59	32.0	-0.3	
		pP	18 50	30.2	-0.8				LN		$M_s = 7.7$	18.0	405
		S	18 55	43.0	1.3				-P	18 53	16.0	0.3	
		LN		$M_s = 7.3$	15.0	194	KSH	54.9 313	PP	18 55	21.0	2.0	
		LE			18.0	242			eS	19 00	54.0	-0.5	
LZH	34.6 326	+P	18 50	32.5	-1.2				LE		$M_s = 7.3$	20.0	176

DEC 15d 18h 53m  $38.3 \pm 0.06s$ , SD0.96 / 36  
 8.47 N  $\pm 1.02km$ , 126.66 E  $\pm 1.34km$ , h35  $\pm 0.19km$   
 Mindanao (259)



$m_b 6.0 / 17,$ DEC 15d 19h 36m $22.1 \pm 0.11s$ , SD1.29 / 29 $8.17 N \pm 1.88km$ , $126.70 E \pm 2.04km$ , $h38 \pm 0.38km$ Mindanao (259)						WMQ	48.8	323	P	19 43 07.6	0.0
QZN	19.4	304	-iP	18 58 04.8	0.4						
SSE	23.1	348	P	18 58 42.0	-0.1						
			PMZ	$m_b = 6.0$		1.0	0.62				
			pP	18 58 53.0	1.7						
WHN	24.8	334	P	18 58 58.5	-0.3						
DL2	30.6	352	P	18 59 51.4	-0.6						
			PMZ	$m_b = 6.6$		1.0	1.08				
TIY	31.8	338	-P	19 00 01.4	-1.2						
BJI	32.8	345	+P	19 00 10.0	-1.0						
			PMZ	$m_b = 6.1$		1.2	0.37				
SNY	33.3	356	+iP	19 00 15.8	0.2						
			PMZ	$m_b = 6.6$		1.2	1.25				
CN2	35.2	358	+P	19 00 31.4	-0.3						
MDJ	36.1	4	+P	19 00 40.4	1.1						
			PMZ	$m_b = 6.4$		1.2	0.71				
GTA	39.1	326	P	19 01 03.0	-1.4						
			PMZ	$m_b = 5.9$		1.0	0.20				
KSH	54.8	313	eP	19 03 07.0	-0.6						
$m_b 5.2 / 4,$ DEC 15d 19h 46m $56.7 \pm 0.08s$ , SD1.18 / 35 $8.38 N \pm 1.24km$ , $126.88 E \pm 1.71km$ , $h41 \pm 0.32km$ Mindanao (259)						QZN	19.6	305	-P	19 40 52.2	2.0
						DL2	30.9	352	eP	19 42 38.4	0.2
						BJI	33.1	345	eP	19 42 57.0	-0.1
						SNY	33.6	356	eP	19 43 01.7	0.0
						CN2	35.5	358	eP	19 43 18.0	0.2
						MDJ	36.4	3	eP	19 43 26.0	0.7
						GTA	39.3	326	P	19 43 48.0	-2.1
$m_b 4.9 / 8,$ DEC 15d 18h 57m $25.4 \pm 0.08s$ , SD1.19 / 36 $7.94 N \pm 1.32km$ , $126.87 E \pm 1.60km$ , $h43 \pm 0.04km$ Mindanao (259)						QZN	19.6	304	eP	19 51 25.2	0.5
						SSE	23.2	348	eP	19 52 01.5	0.3
									PMZ	$m_b = 4.6$	1.0 0.028
						WHN	25.0	334	P	19 52 17.7	-0.5
						DL2	30.8	352	eP	19 53 11.4	0.6
						BJI	32.9	345	eP	19 53 29.5	-0.4
									PMZ	$m_b = 5.2$	1.2 0.049
						SNY	33.4	356	+P	19 53 34.5	0.3
						CN2	35.3	358	eP	19 53 49.5	-0.7
						MDJ	36.2	3	eP	19 53 59.0	1.4
									pP	19 54 10.5	2.2
$m_b 5.6 / 9,$ DEC 15d 19h 47m $42.3 \pm 0.04s$ , SD1.20 / 9 $8.16 N \pm 1.74km$ , $126.77 E \pm 2.04km$ , $h35 \pm 0.58km$ Mindanao (259)						SSE	23.4	348	eP	19 52 50.2	1.0
QZN	19.9	305	-iP	19 01 55.8	-0.2						
SSE	23.6	348	P	19 02 36.4	2.5						
			PMZ	$m_b = 5.0$		1.0	0.065				
WHN	25.4	334	P	19 02 51.0	0.6						
DL2	31.2	352	eP	19 03 43.6	0.5						
			PMZ	$m_b = 5.9$		1.0	0.19				
TIY	32.4	338	-P	19 03 52.5	-1.3						
BJI	33.4	345	eP	19 04 01.0	-1.1						
SNY	33.9	356	+iP	19 04 05.8	-0.7						
CN2	35.7	358	+P	19 04 22.4	-0.1						
MDJ	36.6	3	-P	19 04 30.6	0.7						
			PMZ	$m_b = 6.0$		1.2	0.30				
GTA	39.6	326	P	19 04 52.8	-2.4						
WMQ	49.4	323	+iP	19 06 14.6	1.0						
$m_b 4.9 / 2,$ DEC 15d 19h 58m $13.4 \pm 0.07s$ , SD0.92 / 33 $8.40 N \pm 1.11km$ , $126.58 E \pm 1.61km$ , $h32 \pm 0.18km$ Mindanao (259)						QZN	19.4	305	eP	20 02 41.5	2.2
						SSE	23.1	348	eP	20 03 18.2	0.3
						WHN	24.8	334	P	20 03 35.5	1.2
						DL2	30.7	352	eP	20 04 28.2	0.4
									PMZ	$m_b = 5.7$	1.0 0.13
						BJI	32.8	345	eP	20 04 46.0	-0.7
									PMZ	$m_b = 4.7$	1.0 0.012
						SNY	33.4	356	eP	20 04 51.4	0.0
						CN2	35.3	359	eP	20 05 07.4	-0.2
						MDJ	36.2	4	-P	20 05 16.0	0.8
						GTA	39.1	326	+P	20 05 39.8	0.0
$m_b 4.9 / 5,$ DEC 15d 19h 26m $00.3 \pm 0.11s$ , SD1.36 / 33 $8.01 N \pm 1.50km$ , $126.88 E \pm 1.68km$ , $h33 \pm 0.06km$ Mindanao (259)						DEC 15d 20h 16m $49.3 \pm 0.04s$ , SD0.92 / 18 $7.77 N \pm 1.71km$ , $126.62 E \pm 2.28km$ , $h42 \pm 0.67km$ Mindanao (259)					
QZN	19.8	305	-P	19 30 31.6	0.1						
SSE	23.6	348	eP	19 31 10.0	0.8						
NJ2	25.1	344	+iP	19 31 26.8	3.3						
WHN	25.3	334	eP	19 31 25.5	-0.3						
TIY	32.3	338	+P	19 32 27.8	-1.5						
CN2	35.7	358	eP	19 32 57.8	-0.1						
MDJ	36.5	3	+P	19 33 06.0	0.8						
WMQ	49.4	323	P	19 34 50.1	0.8						
$m_b 5.1 / 14,$ DEC 15d 19h 34m $23.0 \pm 0.07s$ , SD0.99 / 44 $8.49 N \pm 1.12km$ , $126.56 E \pm 1.57km$ , $h32 \pm 0.10km$ Mindanao (259)						BJI	33.5	345	eP	20 23 26.0	-0.9
QZN	19.3	305	-P	19 38 50.0	1.7						
SSE	23.0	348	+P	19 39 27.4	0.7						
			PMZ	$m_b = 5.1$		1.4	0.12				
			pP	19 39 37.0	1.6						
WHN	24.7	334	P	19 39 44.0	0.9						
DL2	30.6	352	eP	19 40 37.3	0.7						
			PMZ	$m_b = 5.7$		1.0	0.13				
TIY	31.8	338	eP	19 40 45.8	-1.3						
BJI	32.8	345	eP	19 40 54.0	-1.5						
			PMZ	$m_b = 5.3$		1.0	0.054				
SNY	33.3	356	+iP	19 41 00.6	0.3						
MDJ	36.1	4	+P	19 41 25.0	0.9						
SSE Mindanao $m_b 4.8 / 2,$ DEC 15d 20h 26m $25.1 \pm 0.06s$ , SD1.27 / 22 $7.88 N \pm 2.45km$ , $126.58 E \pm 2.10km$ , $h38 \pm 0.89km$ Mindanao (259)						SSE	23.6	348	eP	20 31 33.0	-1.0



SNY	33.9	356	+P	20 33 06.0	-1.0
CN2	35.8	359	eP	20 33 23.0	-0.1
MDJ	36.7	4	eP	20 33 30.5	-0.2
GTA	39.5	327	eP	20 33 54.0	-0.5

DEC 15d 20h 44m 36.7 ± 0.11s, SD1.37 / 70  
8.16 N ± 1.43km, 126.82 E ± 2.50km, h42 ± 0.22km  
Mindanao (259)

M<sub>s</sub>5.4 / 2, m<sub>b</sub>4.9 / 12,

QZH	18.4	336	eP	20 48 50.3	-0.8
GZH	19.7	320	eP	20 49 05.2	-0.2
QZN	19.7	305	-P	20 49 06.8	1.3
SSE	23.4	348	P	20 49 43.7	0.6
			PMZ	m <sub>b</sub> = 4.8	1.1 0.043
			sP	20 49 58.2	0.0
			S	20 53 52.0	3.0
			sS	20 54 06.0	-1.0
			LN	M <sub>s</sub> = 5.3	12.0 3.18
			LE		12.0 3.06
			LZ	M <sub>s</sub> = 5.2	20.0 7.45
NJ2	24.9	344	eP	20 50 00.0	2.5
WHN	25.1	334	eP	20 50 00.0	0.2
			sP	20 50 16.0	1.1
GYA	26.4	316	P	20 50 14.0	2.2
TIA	29.3	344	eP	20 50 35.8	-1.9
XAN	30.6	330	P	20 50 47.0	-2.2
DL2	31.0	352	P	20 50 53.0	0.4
CD2	31.2	320	eP	20 50 55.0	-0.1
TIY	32.2	338	eP	20 51 03.0	-0.3
BJI	33.1	345	eP	20 51 10.5	-1.1
			PMZ	m <sub>b</sub> = 5.0	1.0 0.024
SNY	33.7	356	+iP	20 51 16.6	0.6
			PMZ	m <sub>b</sub> = 5.5	1.0 0.084
			pP	20 51 28.0	1.2
			sP	20 51 31.2	-0.2
LZH	34.8	326	-P	20 51 25.5	-0.7
HHC	35.3	340	eP	20 51 29.3	-0.7
CN2	35.5	358	eP	20 51 31.4	-0.6
BTO	35.6	338	eP	20 51 33.0	0.2
MDJ	36.4	3	+P	20 51 40.6	1.2
GTA	39.4	326	+P	20 52 04.4	-0.5
WMQ	49.2	323	eP	20 53 23.8	0.4

DEC 15d 21h 06m 44.3 ± 0.13s, SD1.54 / 50  
7.82 N ± 2.00km, 126.84 E ± 2.60km, h39 ± 0.33km  
Mindanao (259)

m<sub>b</sub>4.8 / 4,

QZN	19.9	306	P	21 11 17.0	1.4
SSE	23.7	348	eP	21 11 58.0	3.8
WHN	25.4	334	eP	21 12 11.5	1.0
XAN	30.9	330	P	21 12 57.8	-2.0
TIY	32.5	338	eP	21 13 14.5	0.6
BJI	33.5	345	eP	21 13 21.0	-1.3
SNY	34.0	356	eP	21 13 26.6	-0.1
			PMZ	m <sub>b</sub> = 5.1	1.2 0.033
			pP	21 13 38.2	1.2
			sP	21 13 44.2	2.8
LZH	35.1	327	P	21 13 35.0	-1.5
HHC	35.6	340	eP	21 13 40.4	-0.2
CN2	35.9	358	eP	21 13 43.0	0.2
BTO	35.9	338	eP	21 13 44.8	1.4
MDJ	36.7	3	+P	21 13 51.0	0.9
GTA	39.7	327	eP	21 14 14.6	-0.5
LSA	39.9	308	P	21 14 19.2	1.9
WMQ	49.5	323	-P	21 15 33.5	0.0

DEC 15d 21h 20m 18.4 ± 0.13s, SD1.44 / 43  
8.30 N ± 2.26km, 126.73 E ± 2.36km, h32 ± 0.57km

Mindanao				
m <sub>b</sub> 4.9 / 4,				
QZN	19.5	305	eP	21 24 47.2 0.8
WHN	25.0	334	eP	21 25 41.0 0.1
XAN	30.4	330	P	21 26 28.2 -2.3
DL2	30.8	352	eP	21 26 34.2 0.3
BJI	33.0	345	eP	21 26 52.0 -0.9
SNY	33.5	356	eP	21 26 57.7 0.3
			PMZ	m <sub>b</sub> = 5.0 0.8 0.018
CN2	35.4	358	eP	21 27 13.0 -0.6
MDJ	36.3	3	-P	21 27 22.0 1.0
GTA	39.3	326	eP	21 27 45.6 -0.6
LSA	39.6	307	P	21 27 50.2 1.1
WMQ	49.0	323	eP	21 29 07.4 2.5

DEC 15d 21h 21m 41.7 ± 0.11s, SD1.32 / 32  
7.93 N ± 1.87km, 126.65 E ± 2.70km, h37 ± 0.58km  
Mindanao (259)

m<sub>b</sub>5.2 / 3,

SSE	23.6	348	eP	21 26 52.0 1.6
WHN	25.3	335	eP	21 27 07.0 0.5
XAN	30.7	330	P	21 27 54.4 -1.4
TIY	32.3	339	eP	21 28 07.5 -2.6
BJI	33.3	345	eP	21 28 18.0 -0.6
LZH	34.9	327	P	21 28 32.0 -0.5
HHC	35.4	340	eP	21 28 36.9 0.0
CN2	35.7	359	eP	21 28 39.6 0.1
BTO	35.8	338	eP	21 28 40.2 0.6
MDJ	36.6	4	P	21 28 48.0 1.0

DEC 15d 22h 21m 04.4 ± 0.07s, SD1.01 / 25  
7.92 N ± 1.05km, 126.75 E ± 1.38km, h43 ± 0.17km  
Mindanao (259)

m<sub>b</sub>5.0 / 3,

QZN	19.8	306	eP	22 25 34.1 0.0
BJI	33.4	345	eP	22 27 40.0 -1.0
SNY	33.9	356	eP	22 27 45.2 -0.4
MDJ	36.6	3	eP	22 28 09.7 0.6
WMQ	49.4	323	eP	22 29 52.6 0.4

DEC 15d 23h 26m 21.4 ± 0.03s, SD0.79 / 26  
7.85 N ± 1.59km, 126.59 E ± 1.60km, h39 ± 0.63km  
Mindanao (259)

m<sub>b</sub>4.8 / 3,

SSE	23.7	348	eP	23 31 31.0 0.5
BJI	33.4	345	eP	23 32 57.0 -1.6
SNY	33.9	356	eP	23 33 02.6 -0.8
			sP	23 33 21.5 3.3
CN2	35.8	359	eP	23 33 19.6 0.0
MDJ	36.7	4	-P	23 33 27.5 0.4
			sP	23 33 39.5 -2.4
GTA	39.6	327	eP	23 33 51.0 0.1

DEC 16d 00h 11m 32.6 ± 0.12s, SD2.03 / 13  
6.38 N ± 4.00km, 124.97 E ± 3.45km, h35 ± 1.16km  
Mindanao (259)

SSE	24.8	352	P	00 16 54.5 1.0
			pP	00 17 04.0 1.2
BJI	34.4	348	eP	00 18 20.5 1.2
SNY	35.3	358	eP	00 18 25.8 -1.1
			pP	00 18 37.0 0.5
MDJ	38.3	5	eP	00 18 49.5 -2.5

DEC 16d 00h 33m 36.4 ± 0.16s, SD1.30 / 83  
8.49 N ± 2.12km, 126.90 E ± 1.89km, h36 ± 0.03km  
Mindanao (259)

M<sub>s</sub>5.7 / 50, m<sub>b</sub>6.0 / 33, m<sub>b</sub>5.3 / 15,

QZH	18.2	335	+iP	00 37 47.0 -0.9
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GZH	19.5	320	PMZ	$m_b = 6.0$	8.0	5.76	BJI	32.8	345	PP	00 41 13.0	6.3	SNY	33.3	355	PMZ	$m_b = 5.4$	1.5	0.092																																									
			LN	$M_s = 5.4$	15.0	9.73				S	00 45 11.0	3.3				PMZ	$m_b = 6.0$	5.0	1.21																																									
			LZ	$M_s = 5.2$	17.5	10.3				LN	$M_s = 5.6$	14.5				5.57	ePP	00 41 18.0	-1.1	LN	$M_s = 5.3$	13.0	2.58																																					
			+P	00 38 02.5	-0.8	13.0				5.76	LZ	$M_s = 5.5$				16.0	7.87	eS	00 45 22.0	-1.3	LZ	$M_s = 5.3$	17.0	5.55																																				
			iS	00 41 38.5	2.7	14.0				13.6	+iP	00 40 14.0				0.5	0.20	LN	$M_s = 5.7$	15.0	11.9	PMZ	$m_b = 5.8$	1.2	0.20																																			
QZN	19.6	304	LE		14.0	13.6	LZH	34.6	326	PMZ	$m_b = 6.1$	8.0	2.27	HHC	35.0	340	PMZ	$m_b = 5.6$	9.0	2.06																																								
			LZ	$M_s = 5.4$	16.0	13.4				pP	00 40 24.0	0.8	PMZ				$m_b = 6.0$	9.0	2.06																																									
			P	00 38 04.5	0.1	15.0				11.9	sP	00 40 31.2	3.9				PP	00 41 22.0	-3.1	LN	$M_s = 5.7$	15.0	6.50																																					
			sP	00 38 17.5	-0.1	14.0				12.4	PP	00 41 40.0	-0.8				LN	$M_s = 5.6$	14.0	6.62	LN	$M_s = 5.6$	18.0	10.3																																				
			S	00 41 37.0	-0.4	16.0				13.4	eS	00 45 52.0	1.3				S	00 45 55.5	-0.2	LE	$M_s = 5.5$	17.0	6.94																																					
SSE	23.1	347	sS	00 41 46.5	-4.0	15.0	11.9	CN2	35.2	358	LN	$M_s = 5.6$	13.0	4.18	BTO	35.3	338	+P	00 40 29.5	0.0	5.0																																							
			LN	$M_s = 5.7$	15.0	11.9	PMZ				$m_b = 6.0$	5.0	1.30	PMZ				$m_b = 6.0$	5.0	1.30																																								
			LE		14.0	12.4	PP				00 41 45.8	-0.1	PP	00 41 48.0				-0.6	sP	00 40 42.5	-0.9	LN	$M_s = 5.6$	11.0	3.40																																			
			-P	00 38 41.5	1.1	16.0	13.4				S	00 46 00.0	0.2	eS				00 46 00.0	0.2	LZ	$M_s = 5.4$	18.0	6.00																																					
			PMZ	$m_b = 5.2$	1.0	0.10	LN				$M_s = 5.7$	14.0	6.62	SMN				$m_b = 5.7$	9.0	0.70	LE	$M_s = 5.6$	11.0	3.40																																				
NJ2	24.6	343	PMZ	$m_b = 6.0$	8.0	5.64	MDJ	36.1	3	SME		9.0	1.30	GTA	39.2	326	ScP	00 46 42.0	0.8	9.0	0.70																																							
			pP	00 38 51.7	2.0	13.0				5.19	LN	$M_s = 5.6$	13.0				2.46	SS	00 48 14.0	-2.6	eP	00 40 30.5	-0.3	LN	$M_s = 5.5$	12.0	3.23																																	
			PP	00 39 08.0	-2.6	16.0				12.4	LN	$M_s = 5.5$	17.0				6.94	LE	$M_s = 5.6$	11.0	3.40	pP	00 40 39.0	-1.4	LZ	$M_s = 5.3$	16.0	4.36																																
			eS	00 42 45.0	-0.2	18.0				6.90	LE	$M_s = 5.5$	17.0				6.94	LZ	$M_s = 5.4$	18.0	6.00	PP	00 41 53.0	2.8	LN	$M_s = 5.6$	14.0	4.10																																
			LN	$M_s = 5.6$	13.0	5.19				TIA	29.0	344	SS				00 48 08.0	5.6	13.0	2.46	DL2	30.6	352	S	00 46 01.5	0.6	13.0	2.80	LN	$M_s = 5.6$	14.0	4.10																												
LE		12.0	6.06	LN	$M_s = 5.7$	14.0	6.62	LE	$M_s = 5.7$				10.0	0.97	LE	$M_s = 5.7$	11.0	3.32	LN	$M_s = 5.6$				12.0	3.33																																			
+P	00 38 56.4	1.5	16.0	12.4	LZ	$M_s = 5.5$	17.0	6.94	LN				$M_s = 5.6$	12.0	3.23	LE	$M_s = 5.6$	12.0	4.90	LN				$M_s = 5.7$	12.0	5.78																																		
PMZ	$m_b = 5.8$	9.0	3.37	LZ	$M_s = 5.2$	20.2	6.90	LN	$M_s = 5.6$				12.0	3.33	LZ	$M_s = 5.1$	18.0	3.93	LE	$M_s = 5.6$				12.0	3.89	LN	$M_s = 5.7$	12.0	5.78																															
LZ	$M_s = 5.2$	18.0	5.97	GYA	26.2	315	LZ	$M_s = 5.2$	20.2				6.90	XAN	30.3	330	P	00 39 45.5	-1.8	12.0				3.33	CD2	31.0	319	S	00 44 50.0	-4.3	14.0	8.68	TIY	31.9	338	+P	00 40 00.5	-0.7	15.0	8.22																				
PMZ	$m_b = 5.8$	9.0	2.19				KMI	28.3	309	pP	00 39 09.0	2.1	14.0				7.39	BTO	35.3	338	S	00 44 53.0	4.9	10.0				0.97	GTA	39.2	326	LN				$M_s = 5.8$	14.0	8.68	GTA	39.2	326	+iP	00 41 03.1	-0.2	16.0	5.41														
pP	00 39 09.0	2.1	16.0							12.4	TIA	29.0	344				PP				00 39 35.5	1.1	16.0	12.4				MDJ				36.1				3	S	00 46 16.0				3.8	12.0	3.23	GTA	39.2	326	PP	00 42 38.0	0.8	16.0	4.36								
PP	00 39 35.5	1.1	18.0							5.97							KMI				28.3	309	eS	00 42 45.0													-0.2	18.0				6.90	BTO	35.3				338	LN	$M_s = 5.5$	12.0	3.23	GTA	39.2	326	S	00 47 04.5	4.6	13.0	5.16
S	00 43 15.0	0.0	20.2							6.90													KMI	28.3													309	PcS				00 46 40.0							-3.3	18.0	6.00	BTO				35.3	338	LE	$M_s = 5.6$	11.0
LN	$M_s = 5.8$	14.0	7.39	KMI	28.3	309				SS				00 48 08.0	5.6	18.0									6.00	BTO	35.3						338	LZ	$M_s = 5.4$			18.0				6.00							GTA	39.2	326							LZ	$M_s = 5.6$	18.0
LE		16.0	12.4				KMI	28.3	309	LN				$M_s = 5.7$	14.0	6.62		BTO	35.3	338					LN				$M_s = 5.5$	12.0	3.23			GTA	39.2			326	LZ	$M_s = 5.6$	18.0	8.83																		
LZ	$M_s = 5.2$	20.2	6.90							KMI	28.3	309	LN	$M_s = 5.6$	12.0	3.33									BTO			35.3	338	LZ	$M_s = 5.3$	16.0				5.41			GTA	39.2	326	LZ			$M_s = 5.6$	18.0	8.83													
+P	00 39 11.0	0.6	18.0										6.90	KMI	28.3	309	LN				$M_s = 5.4$	16.0								7.50	BTO	35.3				338						LZ	$M_s = 5.3$	16.0	5.41	GTA	39.2	326					LZ	$M_s = 5.6$	18.0			8.83		
S	00 43 41.0	3.7	13.0										10.7				KMI				28.3	309	LN	$M_s = 5.4$						16.0							7.50					BTO	35.3	338	LZ							$M_s = 5.3$	16.0	5.41	GTA	39.2	326	LZ	$M_s = 5.6$	18.0
sS	00 43 57.0	3.0	13.0	3.50	KMI	28.3							309										LN	$M_s = 5.4$		16.0	7.50			BTO			35.3				338								LZ				$M_s = 5.3$	16.0	5.41	GTA	39.2	326				LZ	$M_s = 5.6$	18.0
LN	$M_s = 5.8$	13.0	10.7	KMI			28.3	309	LN									$M_s = 5.4$	16.0	7.50			BTO	35.3		338	LZ							$M_s = 5.3$	16.0			5.41							GTA				39.2	326	LZ							$M_s = 5.6$	18.0	8.83
LE		13.0	3.50						KMI	28.3	309	LN						$M_s = 5.4$	16.0	7.50					BTO		35.3	338	LZ					$M_s = 5.3$	16.0			5.41	GTA	39.2	326										LZ							$M_s = 5.6$	18.0	8.83
LZ	$M_s = 5.4$	16.0	7.50									KMI		28.3	309	LN		$M_s = 5.4$	16.0	7.50									BTO		35.3	338		LZ	$M_s = 5.3$	16.0		5.41								GTA	39.2	326			LZ							$M_s = 5.6$	18.0	8.83
+P	00 39 11.0	0.6	13.0													10.7	KMI	28.3	309	LN	$M_s = 5.4$	16.0												7.50	BTO	35.3		338				LZ	$M_s = 5.3$	16.0							5.41				GTA	39.2	326	LZ	$M_s = 5.6$	18.0
S	00 43 41.0	3.7	13.0		3.50	KMI							28.3			309				LN	$M_s = 5.4$	16.0								7.50			BTO	35.3			338					LZ	$M_s = 5.3$	16.0							5.41	GTA	39.2	326				LZ	$M_s = 5.6$	18.0
sS	00 43 57.0	3.0	13.0	3.50	KMI		28.3	309												LN	$M_s = 5.4$	16.0	7.50	BTO		35.3				338												LZ	$M_s = 5.3$	16.0	5.41				GTA	39.2	326							LZ	$M_s = 5.6$	18.0
LN	$M_s = 5.8$	13.0	10.7	KMI					28.3	309	LN									$M_s = 5.4$	16.0	7.50	BTO		35.3		338	LZ											$M_s = 5.3$	16.0	5.41	GTA	39.2	326	LZ													$M_s = 5.6$	18.0	8.83
LE		13.0	3.50								KMI	28.3		309	LN					$M_s = 5.4$	16.0	7.50						BTO	35.3		338	LZ							$M_s = 5.3$	16.0	5.41				GTA	39.2	326	LZ										$M_s = 5.6$	18.0	8.83
LZ	$M_s = 5.4$	16.0	7.50												KMI		28.3	309	LN	$M_s = 5.4$	16.0	7.50										BTO			35.3	338		LZ	$M_s = 5.3$	16.0	5.41							GTA							39.2	326	LZ	$M_s = 5.6$	18.0	8.83
+P	00 39 11.0	0.6	13.0			10.7							KMI			28.3			309	LN	$M_s = 5.4$	16.0											7.50	BTO			35.3	338	LZ	$M_s = 5.3$	16.0											5.41	GTA	39.2			326	LZ	$M_s = 5.6$	18.0
S	00 43 41.0	3.7	13.0		3.50	KMI	28.3	309												LN	$M_s = 5.4$	16.0		7.50		BTO				35.3			338						LZ	$M_s = 5.3$	16.0								5.41	GTA	39.2	326						LZ	$M_s = 5.6$	18.0
sS	00 43 57.0	3.0	13.0	3.50	KMI				28.3	309										LN	$M_s = 5.4$	16.0	7.50	BTO	35.3		338												LZ	$M_s = 5.3$	16.0	5.41	GTA	39.2					326									LZ	$M_s = 5.6$	18.0
LN	$M_s = 5.8$	13.0	10.7	KMI							28.3	309		LN						$M_s = 5.4$	16.0	7.50	BTO					35.3	338		LZ								$M_s = 5.3$	16.0	5.41	GTA			39.2	326	LZ											$M_s = 5.6$	18.0	8.83
LE		13.0	3.50											KMI	28.3		309	LN		$M_s = 5.4$	16.0	7.50									BTO	35.3			338	LZ			$M_s = 5.3$	16.0	5.41						GTA	39.2							326	LZ		$M_s = 5.6$	18.0	8.83
LZ	$M_s = 5.4$	16.0	7.50										KMI			28.3		309	LN	$M_s = 5.4$	16.0	7.50												BTO		35.3	338	LZ	$M_s = 5.3$	16.0	5.41												GTA	3						











XAN	30.7 330	LZ	$M_s = 5.4$	18.0	8.80	WMQ	49.3 323	eP	10 33 35.0	1.1			
		P	10 30 57.0	-2.8				PcP	10 34 59.0	3.2			
		S	10 35 58.0	-0.9					S	10 40 40.0	3.5		
		LN	$M_s = 5.2$	12.0	1.50				SMN	$m_b = 5.6$	12.0	1.06	
		LE		15.0	2.10				sS	10 40 52.0	-0.4		
DL2	31.1 352	eP	10 31 04.0	0.9				LN	$M_s = 5.4$	14.0	1.57		
		sP	10 31 15.0	-0.5				LE		18.0	1.13		
		S	10 36 07.5	2.7				LZ	$M_s = 5.3$	18.0	3.16		
		SME	$m_b = 5.4$	9.0	0.82								
		LN	$M_s = 5.3$	13.0	2.34								
CD2	31.4 320	LE		14.0	1.62								
		LZ	$M_s = 4.9$	14.0	1.98								
		eP	10 31 04.0	-1.6									
		eS	10 36 10.0	-0.1									
		LE	$M_s = 5.5$	13.0	4.17								
TIY	32.3 338	LZ	$M_s = 5.0$	16.0	2.77								
		eP	10 31 12.5	-1.4									
		S	10 36 28.0	4.2									
		LN	$M_s = 5.3$	13.0	2.83								
		LZ	$M_s = 5.0$	20.0	3.13								
BJI	33.3 345	eP	10 31 21.0	-1.1									
		eS	10 36 39.0	-0.7									
		LN	$M_s = 4.9$	14.0	0.95								
		LZ	$M_s = 4.8$	18.0	1.53								
		-P	10 31 29.0	2.5									
SNY	33.8 356	PMZ	$m_b = 5.5$	1.2	0.10								
		iS	10 36 49.0	1.5									
		SMN	$m_b = 5.8$	10.0	1.40								
		SME		12.0	1.90								
		LN	$M_s = 5.2$	13.0	1.70								
LZH	35.0 326	LE		9.0	0.60								
		LZ	$M_s = 5.1$	20.0	3.30								
		eP	10 31 35.6	-1.2									
		pP	10 31 45.0	-0.3									
		eS	10 37 06.0	-0.1									
HHC	35.4 340	LN	$M_s = 5.4$	14.0	2.21								
		LE		14.0	2.35								
		LZ	$M_s = 5.1$	18.0	2.97								
		P	10 31 40.5	-0.1									
		S	10 37 12.2	0.4									
CN2	35.7 358	LN	$M_s = 5.2$	12.0	0.60								
		LE		13.0	1.56								
		LZ	$M_s = 5.1$	18.0	3.02								
		eP	10 31 42.8	0.3									
		sP	10 31 56.0	1.0									
BTO	35.7 338	eS	10 37 15.0	-1.4									
		SMN	$m_b = 5.5$	8.0	0.50								
		SME		8.0	0.50								
		eSS	10 39 34.0	-2.5									
		LN	$M_s = 5.2$	13.0	1.60								
MDJ	36.5 3	LZ	$M_s = 5.0$	18.0	2.40								
		eP	10 31 43.5	0.1									
		pP	10 31 52.0	0.0									
		S	10 37 16.0	-0.9									
		eSS	10 39 36.0	-2.6									
GTA	39.6 326	LN	$M_s = 5.2$	15.0	1.60								
		LE		15.0	1.40								
		eP	10 31 50.4	0.6									
		pP	10 32 03.0	4.4									
		S	10 37 32.0	3.1									
LSA	39.8 308	LE	$M_s = 4.7$	14.0	0.62								
		LZ	$M_s = 4.9$	18.0	1.75								
		eP	10 32 14.4	-1.0									
		S	10 38 20.5	5.4									
		LE	$M_s = 5.5$	15.0	3.34								
WMQ	49.3 323	LZ	$M_s = 5.2$	18.0	2.94								
		eP	10 32 23.0	5.0									
		S	10 38 24.0	4.7									
DEC 16d 10h 35m 31.4 ± 0.10s, SD1.31 / 40 8.00 N ± 1.45km, 127.01 E ± 2.18km, h34 ± 0.23km Mindanao (259) $M_s 5.0 / 1, m_b 4.8 / 5,$													
QZN	19.9 305	eP							10 40 05.8	2.2			
		P							10 40 41.0	0.6			
		PMZ	$m_b = 4.3$							1.0	0.013		
		P							10 40 57.0	-0.3			
		eP							10 41 43.8	-3.0			
SSE	23.6 347	eP							10 42 08.0	-0.8			
		eP							10 42 23.0	-0.7			
		P							10 42 27.8	0.5			
		eP							10 42 37.6	1.5			
		eP							10 43 02.0	-0.3			
WHN	25.4 334	eP							10 44 22.0	1.2			
DEC 16d 10h 40m 20.1 ± 0.13s, SD1.56 / 72 7.83 N ± 1.60km, 126.87 E ± 2.34km, h37 ± 0.80km Mindanao (259) $M_s 5.2 / 9, m_b 5.0 / 9,$													
XAN	30.8 330	eP							10 44 52.0	0.0			
		S							10 48 26.0	-2.6			
		sS							10 48 40.5	-1.9			
		LN	$M_s = 5.3$	14.5	4.10								
		LE		15.0	4.10								
BJI	33.3 345	eP							10 45 33.0	2.8			
		sP							10 45 46.0	1.9			
		eP							10 45 44.5	0.0			
		P							10 45 47.0	0.3			
		sP							10 46 00.0	-0.6			
LZH	35.1 327	LE	$M_s = 5.0$	15.0	2.37				10 46 22.9	-1.7			
		eP							10 46 22.9	-1.7			
		P							10 46 33.2	-2.8			
		P							10 46 41.5	0.0			
		eP							10 46 47.8	-2.3			
TIY	32.5 338	eP							10 46 47.8	-2.3			
		eP							10 46 56.5	-1.9			
		-P							10 47 03.0	0.2			
		PMZ	$m_b = 5.4$	1.2	0.073								
		eP							10 47 17.0	4.3			
SNY	34.0 356	PMZ	$m_b = 5.0$	1.5	0.037				10 47 30.2	3.6			
		sP							10 47 30.2	3.6			
		LN	$M_s = 5.4$	16.0	2.87								
		LE		15.0	2.40								
		LZ	$M_s = 5.2$	17.0	3.66								
HHC	35.6 340	eP							10 47 16.2	-0.6			
		eP							10 47 19.2	0.4			
		eP							10 47 19.1	-0.5			
		-P							10 47 27.0	0.9			
		eP							10 47 50.2	-1.1			
GTA	39.7 327	P							10 47 53.6	0.0			
		eS							10 54 01.5	4.8			
		P							10 49 10.0	0.3			
		pP							10 49 20.0	0.4			
		S							10 56 17.0	4.4			
WMQ	49.5 323	ScS							10 58 56.0	1.6			
		LZ	$M_s = 5.3$	20.0	3.24								
		eP							10 49 58.0	4.6			
		eS							10 57 36.0	2.2			



DEC 16d 10h 45m 40.7 ± 0.13s, SD2.27 / 20  
38.57 N ± 1.98km, 138.92 E ± 1.92km, h25 ± 0.30km  
Near west coast of Honshu (226)  
m<sub>b</sub>4.5 / 4,

SSE	16.3	248	P	10 49	34.6	4.2		
			PMZ		m <sub>b</sub> = 4.5		1.0	0.021
TIA	17.5	269	eP	10 49	45.0	0.3		
WHN	21.7	256	eP	10 50	31.5	-0.8		
GYA	29.6	256	P	10 51	44.0	-2.7		

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DEC 16d 11h 05m 14.6 ± 0.13s, SD1.48 / 71  
8.41 N ± 2.23km, 126.69 E ± 2.65km, h35 ± 0.45km  
Mindanao (259)  
M<sub>s</sub>4.9 / 8, m<sub>b</sub>4.9 / 14,

QZN	19.4	305	eP	11 09	41.6	0.4		
			S	11 13	12.5	-0.2		
			sS	11 13	25.5	-0.4		
			LE		M <sub>s</sub> = 5.0		17.0	4.28
SSE	23.1	348	P	11 10	19.5	0.5		
			PMZ		m <sub>b</sub> = 4.9		1.0	0.056
			sS	11 14	36.0	-3.3		
			LN		M <sub>s</sub> = 4.7		11.0	0.91
NJ2	24.6	344	-P	11 10	34.0	0.7		
WHN	24.9	334	eP	11 10	35.5	-0.1		
			pP	11 10	44.5	-0.4		
			LE		M <sub>s</sub> = 4.8		11.0	1.10
			LZ		M <sub>s</sub> = 4.5		20.0	1.38
GYA	26.1	316	P	11 10	49.2	1.4		
TIA	29.0	344	eP	11 11	12.5	-1.3		
XAN	30.3	330	P	11 11	23.6	-1.7		
DL2	30.7	352	P	11 11	30.0	1.3		
CD2	31.0	319	eP	11 11	31.4	0.2		
TIY	31.9	338	+P	11 11	38.0	-1.4		
BJI	32.9	345	eP	11 11	47.0	-0.7		
			PMZ		m <sub>b</sub> = 5.1		1.0	0.030
			eS	11 17	03.0	1.0		
SNY	33.4	356	-P	11 11	52.6	0.3		
			PMZ		m <sub>b</sub> = 5.7		1.0	0.12
			pP	11 12	03.4	1.5		
HHC	35.0	340	eP	11 12	06.4	0.2		
CN2	35.3	358	eP	11 12	08.6	0.2		
BTO	35.3	338	eP	11 12	09.7	0.7		
MDJ	36.2	4	eP	11 12	17.2	1.2		
GTA	39.1	326	P	11 12	40.5	-0.6		
WMQ	48.9	323	P	11 14	00.0	0.1		
			pP	11 14	10.0	0.5		
			eS	11 20	58.0	-2.6		
			sS	11 21	20.0	3.3		
			ScS	11 23	49.0	3.5		
			LZ		M <sub>s</sub> = 5.0		18.0	1.41
KSH	54.8	313	eP	11 14	47.0	2.8		

DEC 16d 12h 13m 47.5 ± 0.15s, SD2.28 / 29  
7.61 N ± 1.96km, 127.07 E ± 3.14km, h33 ± 0.50km  
Mindanao (259)

QZN	20.2	306	eP	12 18	21.5	-1.1		
SSE	24.0	348	eP	12 19	05.0	4.6		
BJI	33.7	345	P	12 20	31.0	2.7		
MDJ	36.9	3	eP	12 20	54.6	-0.9		
GTA	40.0	327	eP	12 21	21.8	0.4		
WMQ	49.8	323	eP	12 22	35.2	-4.4		

DEC 16d 12h 46m 38.0 ± 0.09s, SD1.56 / 75  
39.70 N ± 2.08km, 143.52 E ± 2.14km, h26 ± 0.88km  
Off east coast of Honshu (229)  
M<sub>s</sub>4.7 / 17, m<sub>b</sub>4.9 / 17,

MDJ	11.4	300	eP	12 49	24.2	1.2		
			S	12 51	32.0	1.4		

			LZ		M <sub>s</sub> = 4.5			
CN2	14.1	293	eP	12 49	59.0	0.6		
			sP	12 50	10.0	0.9		
			eS	12 52	34.0	-1.1		
			LN		M <sub>s</sub> = 4.3		12.0	1.00
			LZ		M <sub>s</sub> = 4.3		14.0	1.40
SNY	15.3	284	eP	12 50	15.5	1.9		
			pP	12 50	22.8	2.8		
			sP	12 50	27.0	2.7		
			LN		M <sub>s</sub> = 4.5		13.0	0.95
			LE				13.0	0.95
			LZ		M <sub>s</sub> = 4.4		16.0	1.64
DL2	17.0	274	-P	12 50	39.0	3.7		
			PMZ		m <sub>b</sub> = 5.6		1.2	0.39
			S	12 53	43.0	1.6		
			LZ		M <sub>s</sub> = 4.1		12.0	0.64
SSE	20.1	252	eP	12 51	10.5	-2.2		
			PMZ		m <sub>b</sub> = 4.4		1.0	0.020
			sP	12 51	26.5	2.5		
			PP	12 51	33.5	1.7		
			eS	12 54	54.0	1.8		
			SS	12 55	26.0	5.9		
			LN		M <sub>s</sub> = 4.6		13.0	0.87
			LE				14.0	0.70
			LZ		M <sub>s</sub> = 4.2		20.0	0.92
BJI	21.0	280	eP	12 51	19.5	-2.3		
			PMZ		m <sub>b</sub> = 4.5		1.2	0.026
			eS	12 55	06.0	-3.3		
			esS	12 55	22.0	0.6		
			LN		M <sub>s</sub> = 4.3		14.0	0.60
			LZ		M <sub>s</sub> = 4.3		16.0	0.87
TIA	21.1	269	P	12 51	20.4	-2.5		
			LE		M <sub>s</sub> = 4.7		12.0	1.20
			LZ		M <sub>s</sub> = 4.4		16.0	1.28
NJ2	21.4	257	-P	12 51	24.4	-1.3		
			PMZ		m <sub>b</sub> = 4.6		1.0	0.026
			LZ		M <sub>s</sub> = 4.4		14.0	0.89
TIY	24.3	275	eP	12 51	53.8	-0.8		
			LE		M <sub>s</sub> = 4.7		15.0	1.15
			LZ		M <sub>s</sub> = 4.5		16.0	1.19
HHC	24.3	283	P	12 51	54.4	-0.9		
WHN	25.5	258	+iP	12 52	07.0	1.2		
			PMZ		m <sub>b</sub> = 5.5		1.0	0.13
			pP	12 52	15.0	1.4		
			eS	12 56	26.0	-3.0		
			LN		M <sub>s</sub> = 5.0		16.0	1.49
			LE				18.0	1.92
			LZ		M <sub>s</sub> = 4.3		18.0	0.72
BTO	25.5	283	eP	12 52	08.0	1.3		
			epP	12 52	18.0	3.6		
			eS	12 56	31.0	0.4		
			LN		M <sub>s</sub> = 4.8		12.0	0.50
			LE				15.0	1.20
XAN	28.1	269	P	12 52	30.1	-0.4		
LZH	31.3	276	P	12 52	59.6	0.4		
			sP	12 53	13.0	2.5		
			LE		M <sub>s</sub> = 4.8		13.0	0.87
			LZ		M <sub>s</sub> = 4.7		14.0	1.17
GYA	33.3	258	+P	12 53	16.4	-0.2		
			pP	12 53	23.8	-0.7		
			S	12 58	37.4	3.4		
			sS	12 58	50.0	1.8		
			LN		M <sub>s</sub> = 4.7		18.0	0.80
			LE				18.0	0.50
CD2	33.4	267	P	12 53	16.7	-0.2		
GTA	33.5	284	+iP	12 53	18.6	1.1		
			PMZ		m <sub>b</sub> = 5.5		1.2	0.10
KMI	37.0	259	-P	12 53	49.0	0.8		







		S	17 59	12.0	4.9					PMZ	$m_b = 5.6$					
		LN		$M_s = 5.0$		14.0	1.68			pP	17 56	58.0	-1.6			
		LE				12.0	1.58			PP	17 58	10.0	0.2			
		LZ		$M_s = 4.7$		20.0	2.30			S	18 02	20.0	-1.3			
NJ2	24.9	344	+P	17 55	15.5	0.4				SMN			14.0	0.60		
			S	17 59	35.5	3.0				SME			14.0	0.50		
			LN		$M_s = 5.0$		11.0	1.07		SS	18 04	36.0	-5.6			
			LE				11.0	1.26		LN		$M_s = 5.0$	15.0	1.30		
			LZ		$M_s = 4.7$		20.0	2.20		LZ		$M_s = 5.0$	18.0	2.30		
WHN	25.1	334	eP	17 55	17.7	0.4			BTO	35.6	338	eP	17 56	52.5	2.0	
			S	17 59	36.0	-0.4						epP	17 57	02.0	1.9	
			sS	17 59	54.0	1.3						S	18 02	28.0	5.7	
			LN		$M_s = 5.4$		16.0	3.97				LN		$M_s = 5.3$	14.0	1.90
			LE				15.0	3.72				LE			11.0	0.90
			LZ		$M_s = 4.9$		20.0	3.76		MDJ	36.4	3	eP	17 56	59.0	1.7
GYA	26.4	316	P	17 55	31.0	1.7						pP	17 57	10.0	3.0	
			pP	17 55	40.0	1.5						S	18 02	36.0	1.1	
			LN		$M_s = 5.4$		16.0	2.80				sS	18 02	48.0	-4.1	
			LE				16.0	4.10				SS	18 05	08.0	6.6	
			LZ		$M_s = 4.9$		18.0	3.20				LE		$M_s = 4.8$	10.0	0.51
KMI	28.4	309	eP	17 55	46.0	-2.3						LZ		$M_s = 4.9$	20.0	2.10
			pP	17 55	55.0	-2.5				GTA	39.4	326	+iP	17 57	22.5	0.0
			S	18 00	29.0	-1.7						S	18 03	24.0	3.5	
			sS	18 00	52.0	4.4						LZ		$M_s = 5.0$	18.0	2.06
			LE		$M_s = 5.3$		17.0	4.40		LSA	39.7	307	P	17 57	27.0	1.9
			LZ		$M_s = 5.5$		18.0	9.40				S	18 03	29.0	4.4	
TIA	29.3	344	eP	17 55	54.1	-1.2						SMN			3.0	0.30
			S	18 00	47.0	3.2				WMQ	49.2	323	P	17 58	41.0	-0.1
			LE		$M_s = 5.0$		14.0	1.73				sP	17 58	55.0	0.1	
			LZ		$M_s = 4.7$		18.0	1.70				PcP	18 00	03.5	0.0	
XAN	30.5	330	P	17 56	04.7	-2.1						eS	18 05	40.0	-3.2	
			S	18 01	05.0	0.9						ScS	18 08	29.0	2.7	
			LN		$M_s = 5.2$		12.0	1.54				LZ		$M_s = 5.2$	18.0	2.46
			LE				15.0	2.05		KSH	55.0	313	eP	17 59	25.7	0.5
DL2	30.9	352	eP	17 56	11.0	0.7				DEC 16d 17h 56m $19.4 \pm 0.11s$ , SD1.16 / 33						
			S	18 01	15.0	4.6				$4.56 S \pm 1.03km$ , $135.34 E \pm 1.70km$ , $h33 \pm 0.24km$						
			LN		$M_s = 5.2$		11.0	0.92		Aroe Islands region (204)						
			LE				14.0	1.71		$M_s 5.1 / 2$ , $m_b 4.9 / 6$ ,						
			LZ		$M_s = 4.7$		16.0	1.20		WHN	40.3	331	eP	18 03	56.5	1.1
CD2	31.2	320	eP	17 56	11.2	-1.4				GYA	41.5	320	P	18 04	06.0	0.3
			eS	18 01	11.0	-4.3				XAN	45.8	329	P	18 04	40.0	-0.4
			LE		$M_s = 5.2$		12.0	2.22		TIY	47.1	335	+P	18 04	51.2	0.1
			LZ		$M_s = 5.0$		20.0	3.24		BJI	47.8	340	eP	18 04	55.0	-0.8
TIY	32.1	338	eP	17 56	18.5	-2.4						PMZ		$m_b = 5.2$	1.5	0.052
			LN		$M_s = 5.2$		15.0	2.63				LN		$M_s = 5.1$	13.0	0.81
			LZ		$M_s = 5.0$		20.0	3.25		LZH	50.0	326	-P	18 05	15.0	1.3
BJI	33.1	345	eP	17 56	28.5	-0.8						PMZ		$m_b = 5.3$	1.5	0.062
			eS	18 01	45.0	-0.2						pP	18 05	19.5	-3.3	
			esS	18 01	56.0	-5.4				HHC	50.2	337	P	18 05	14.4	-0.1
			LN		$M_s = 4.8$		14.0	0.86		BTO	50.6	335	eP	18 05	17.0	-0.7
			LZ		$M_s = 4.7$		18.0	1.47		GTA	54.7	326	eP	18 05	48.2	0.1
SNY	33.6	356	+iP	17 56	34.0	0.2				WMQ	64.4	324	eP	18 06	55.6	0.2
			pP	17 56	44.0	0.5				KSH	70.0	315	eP	18 07	35.0	4.5
			iS	18 01	56.0	2.8				DEC 16d 18h 15m $59.6 \pm 0.03s$ , SD0.82 / 14						
			LZ		$M_s = 5.0$		18.0	2.37		$8.13 N \pm 1.34km$ , $126.25 E \pm 2.32km$ , $h39 \pm 0.55km$						
LZH	34.8	326	eP	17 56	43.0	-0.8				Mindanao (259)						
			sP	17 57	00.0	2.6				SSE	23.3	349	P	18 21	05.5	0.0
			ePP	17 58	00.0	-0.9				BJI	33.0	346	eP	18 22	33.0	-0.8
			eS	18 02	12.0	0.7				SNY	33.6	356	+P	18 22	38.4	-0.7
			LN		$M_s = 5.5$		15.0	3.04		MDJ	36.5	4	eP	18 23	03.3	0.1
			LE				15.0	2.65		DEC 16d 20h 55m $36.7 \pm 0.12s$ , SD1.57 / 43						
			LZ		$M_s = 5.3$		18.0	4.79		$34.68 N \pm 2.45km$ , $57.55 E \pm 1.49km$ , $h33 \pm 0.04km$						
HHC	35.2	340	P	17 56	47.8	0.1				Iran (348)						
			S	18 02	18.1	0.9				$M_s 4.9 / 2$ ,						
			LE		$M_s = 4.9$		11.0	0.70		KSH	15.4	66	eP	20 59	10.6	-3.3
			LZ		$M_s = 5.1$		20.0	3.12		$m_b = 4.7$						
CN2	35.5	358	+P	17 56	49.5	-0.4				0.8 0.010						
			PMZ		$m_b = 4.7$		0.8	0.010								







CN2	13.7 291	LZ	$M_s = 5.6$	16.0	44.5	QZH	25.5 241	sP	23 31 11.5	-1.0	LN	$M_s = 5.8$	14.0	10.9												
		eP	23 28 50.0	-0.3	S			23 35 22.0	-0.7	LE					16.0	10.5										
		PMZ	$m_b = 6.1$	6.0	2.20			LN							LZ	$M_s = 5.4$	16.0	9.51								
		sP	23 29 01.0	0.4				+iP	23 31 04.0	0.1					PMZ	$m_b = 6.0$	4.0	1.41								
		eS	23 31 22.0	-0.4				pP	23 31 12.0	0.6					S	23 35 32.0	5.1									
		SMN	$m_b = 5.2$	8.0	1.20			S	23 35 32.0	5.1					LN	$M_s = 5.4$	17.0	5.75								
		LN	$M_s = 5.2$	13.5	9.00			LN							LE		18.0	4.12								
SNY	14.9 283	LZ	$M_s = 5.3$	18.0	20.1	XAN	27.8 268	LZ	$M_s = 5.1$	18.0	4.48	GZH	30.3 245	P	23 31 48.0	0.4										
		+P	23 29 07.4	1.3				+P	23 31 24.6	-0.9	S			23 36 04.0	-0.9	LN	$M_s = 5.7$	14.0	7.19							
		PMZ	$m_b = 5.8$	1.2	0.22			S	23 36 04.0	-0.9	LN			$M_s = 5.7$	14.0	7.19	LE		12.0	4.92						
		PMZ		14.0	3.64			LN			LE				12.0	4.92	P	23 31 48.0	0.4							
		pP	23 29 15.0	2.7				S	23 36 04.0	-0.9	S			23 36 43.5	-1.1	LN	$M_s = 5.7$	12.0	5.68							
		S	23 31 49.0	-1.5				LN			LE				12.0	4.53	LE		14.0	8.67						
		LN	$M_s = 5.5$	13.0	7.93			LN			LZ			$M_s = 5.6$	14.0	8.67	LZ	$M_s = 5.6$	14.0	8.67						
DL2	16.6 273	LE		15.0	12.3	LZH	31.0 275	+P	23 31 53.5	-0.3	GTA	33.1 283	+iP	23 32 12.6	0.8											
		LZ	$M_s = 5.5$	16.0	23.5			PMZ	$m_b = 5.8$	1.5			0.27	S	23 37 24.0	-3.4	CD2	33.1 266	PP	23 33 17.0	-5.6					
		+iP	23 29 31.0	2.2				PMZ	$m_b = 5.9$	5.0			1.16	LN	$M_s = 5.9$	16.0			11.9	LZ	$M_s = 5.8$	18.0	15.9			
		PMZ	$m_b = 6.3$	1.2	1.58			pP	23 31 57.5	-3.7			pP	23 32 01.5	-3.2	LZ			$M_s = 5.7$	14.0	7.24	P	23 32 10.7	-1.5		
		PMZ	$m_b = 5.8$	5.0	2.12			S	23 32 01.5	-3.2			sP	23 32 01.5	-3.2	LN			$M_s = 5.6$	14.0	9.72	PP	23 33 17.0	-5.6		
		S	23 32 38.0	6.4				ePP	23 32 53.0	-2.2			eS	23 36 58.0	1.7	LZ			$M_s = 5.5$	15.0	7.43	eS	23 37 28.0	-1.2		
		LN	$M_s = 5.3$	13.0	6.31			eS	23 36 58.0	1.7			LN	$M_s = 5.8$	13.0	8.16			LN	$M_s = 5.8$	13.0	8.16	LN	$M_s = 5.5$	15.0	7.43
LE		13.0	3.61	sS	23 37 05.0	-3.9	LZ	$M_s = 5.5$	15.0	7.43	LZ	$M_s = 5.5$	15.0	7.43	LZ	$M_s = 5.5$			15.0	7.43						
SSE	19.9 250	LZ	$M_s = 4.8$	20.0	5.43	GZA	33.1 257	PMZ	$m_b = 5.8$	1.5	0.27	WMQ	40.7 294	PMZ	$m_b = 6.4$	4.0	2.54									
		+P	23 30 07.0	-1.7				PMZ	$m_b = 5.9$	5.0	1.16			pP	23 31 57.5	-3.7	PP	23 34 14.0	4.9							
		PMZ	$m_b = 5.5$	1.4	0.30			pP	23 31 57.5	-3.7	pP			23 32 41.0	1.0	S	23 38 24.0	-1.5	LN	$M_s = 6.2$	16.0	10.7				
		PMZ		14.0	1.50			sP	23 32 01.5	-3.2	sP			23 32 41.0	1.0	LN	$M_s = 6.2$	16.0	10.7	LE		16.0	16.0			
		pP	23 30 11.0	-4.7				ePP	23 32 53.0	-2.2	ePP			23 32 53.0	-2.2	LN	$M_s = 5.9$	15.0	7.00	LZ	$M_s = 6.0$	16.0	22.3			
		SS	23 34 12.0	-2.1				eS	23 36 58.0	1.7	eS			23 36 58.0	1.7	LE		15.0	8.30	+iP	23 33 17.7	1.2				
		LN	$M_s = 5.6$	14.0	9.42			sS	23 37 05.0	-3.9	sS			23 37 05.0	-3.9	LZ	$M_s = 5.0$	22.0	3.50	PMZ	$m_b = 6.4$	4.0	2.54			
BJI	20.6 279	LE		14.0	6.31	QZN	35.5 243	SS	23 38 37.0	-2.6	KMI	36.8 259	+iP	23 32 44.5	0.5											
		LZ	$M_s = 5.1$	20.0	7.82			LN	$M_s = 5.7$	14.0			7.24	PMZ	$m_b = 6.5$	2.0	1.60	PP	23 34 14.0	4.9						
		eP	23 30 13.5	-2.1				LZ	$M_s = 5.6$	14.0			9.72	PP	23 34 14.0	4.9	S	23 38 24.0	-1.5	LN	$M_s = 6.2$	16.0	10.7			
		PMZ	$m_b = 5.8$	1.7	0.84			LN	$M_s = 5.6$	14.0			9.72	LZ	$M_s = 5.5$	15.0	7.43	LN	$M_s = 6.2$	16.0	10.7	LE		16.0	16.0	
		PMZ		14.0	1.76			LZ	$M_s = 5.6$	15.0			17.8	LZ	$M_s = 5.5$	15.0	7.43	LE		16.0	16.0	LZ	$M_s = 6.0$	16.0	22.3	
		esS	23 34 12.0	0.8				P	23 30 15.4	-2.2			P	23 32 10.7	-1.5	LZ	$M_s = 5.0$	22.0	3.50	LZ	$M_s = 5.0$	22.0	3.50	+iP	23 33 17.7	1.2
		PcS	23 38 03.0	1.3				PP	23 33 17.0	-5.6			PP	23 33 17.0	-5.6	LN	$M_s = 5.8$	15.0	5.48	LN	$M_s = 5.8$	15.0	5.48	PMZ	$m_b = 6.4$	4.0
TIA	20.8 268	LN	$M_s = 5.4$	15.0	8.13	GZA	33.1 257	LZ	$M_s = 5.8$	18.0	15.9	WMQ	40.7 294	S	23 37 29.0	0.4										
		LZ	$M_s = 5.4$	17.0	13.7			LZ	$M_s = 5.8$	18.0	15.9			S	23 37 29.0	0.4	LN	$M_s = 5.9$	15.0	7.00	PP	23 34 14.0	4.9			
		P	23 30 15.4	-2.2				LZ	$M_s = 5.8$	18.0	15.9			sS	23 37 46.0	3.7	LN	$M_s = 5.9$	15.0	7.00	S	23 38 24.0	-1.5			
		PMZ		18.0	1.64			LN	$M_s = 5.8$	13.0	8.16			LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		S	23 34 04.0	1.0				LZ	$M_s = 5.5$	15.0	7.43			LZ	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		LE	$M_s = 5.7$	14.0	13.6			LZ	$M_s = 5.5$	15.0	7.43			LZ	$M_s = 5.9$	15.0	7.00	LE		15.0	8.30	LN	$M_s = 5.8$	15.0	5.48	
		LZ	$M_s = 5.6$	15.0	17.8			P	23 30 15.4	-2.2	P			23 32 10.7	-1.5	LZ	$M_s = 5.0$	22.0	3.50	LZ	$M_s = 5.0$	22.0	3.50	LN	$M_s = 5.8$	15.0
NJ2	21.2 255	+iP	23 30 20.0	-1.3		GZA	33.1 257	PMZ	$m_b = 6.4$	1.4	0.80	WMQ	40.7 294	S	23 37 29.0	0.4										
		sP	23 30 32.0	-0.3				S	23 37 29.0	0.4	S			23 37 29.0	0.4	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00			
		LN	$M_s = 5.6$	12.0	8.26			LN	$M_s = 5.8$	15.0	5.48			LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		LE		11.5	3.48			LZ	$M_s = 5.5$	15.0	7.43			LZ	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		LZ	$M_s = 5.3$	18.0	11.1			LZ	$M_s = 5.5$	15.0	7.43			LZ	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		-iP	23 30 48.4	-0.6				LZ	$M_s = 5.5$	15.0	7.43			LZ	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
		pP	23 30 53.0	-3.4				LZ	$M_s = 5.3$	18.0	11.1			LZ	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.9$	15.0	7.00	LN	$M_s = 5.8$	15.0	5.48	
HHC	24.0 282	PP	23 31 25.0	2.7		QZN	35.5 243	PP	23 33 55.0	3.0	KMI	36.8 259	+iP	23 32 44.5	0.5											
		sS	23 35 11.0	-2.5				PP	23 33 55.0	3.0			PP	23 33 55.0	3.0	PMZ	$m_b = 6.5$	2.0	1.60	PP	23 34 14.0	4.9				
		LN	$M_s = 5.5$	15.0	7.35			S	23 38 05.0	0.4			S	23 38 05.0	0.4	S	23 38 24.0	-1.5	LN	$M_s = 6.2$	16.0	10.7				
		LZ	$M_s = 5.3$	16.0	7.87			LN	$M_s = 5.8$	15.0			5.48	LN	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LE		16.0	16.0	
		+P	23 30 48.0	-1.2				LE		15.5			6.20	LZ	$M_s = 6.2$	16.0	10.7	LE		16.0	16.0	LZ	$M_s = 6.0$	16.0	22.3	
		S	23 35 02.0	1.3				LZ	$M_s = 5.0$	22.0			3.50	LZ	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	+iP	23 33 17.7	1.2		
		LN	$M_s = 5.6$	12.0	2.03			LZ	$M_s = 5.0$	22.0			3.50	LZ	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	PMZ	$m_b = 6.4$	4.0	2.54	
BTO	25.2 282	LE		16.0	8.98	WMQ	40.7 294	S	23 38 05.0	0.4	KMI	36.8 259	PMZ	$m_b = 6.5$	2.0	1.60	PP	23 34 14.0	4.9							
		+iP	23 31 00.5	-0.3				S	23 38 05.0	0.4			S	23 38 05.0	0.4	S	23 38 24.0	-1.5	LN	$M_s = 6.2$	16.0	10.7				
		pP	23 31 10.0	1.9				LN	$M_s = 5.8$	15.0			5.48	LN	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LE		16.0	16.0	
		PP	23 31 39.0	0.8				LE		15.5			6.20	LZ	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	
		PP	23 31 39.0	0.8				LZ	$M_s = 5.0$	22.0			3.50	LZ	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	
		eS	23 35 19.0	-3.1				LZ	$M_s = 5.0$	22.0			3.50	LZ	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	
		sS	23 35 36.0	1.8				LZ	$M_s = 5.0$	22.0			3.50	LZ	$M_s = 6.2$	16.0	10.7	LN	$M_s = 6.2$	16.0	10.7	LZ	$M_s = 6.0$	16.0	22.3	
WHN	25.3 257	LN	$M_s = 5.9$	16.0	6.40	WMQ	40.7 294	PMZ	$m_b = 6.4$	4.0	2.54	WMQ	40.7 294	+iP	23 33 17.7	1.2										
		LE		16.0	18.4			PP	23 34 50.0																	





LSA	43.3	273	LE		13.0	4.01	LZH	35.0	327	PMZ	$m_b = 5.5$	00 34 36.4	-0.5	16.0	0.97		
			LZ	$M_s = 5.5$	20.0	6.49				LZ	$M_s = 4.7$	00 34 42.4	-0.6				
			-P	23 33 39.6	1.4					CN2	35.8	358	eP			00 34 51.7	1.3
			S	23 40 09.0	6.1					MDJ	36.6	3	+P			00 35 19.5	1.7
										LSA	39.9	308	-P			00 36 34.3	0.5
KSH	50.5	292	LE	$M_s = 5.5$	17.0	3.11	WMQ	49.4	323	-iP		00 37 17.0	-0.6				
			LZ	$M_s = 5.1$	17.0	2.00				KSH	55.2	313	eP				
			P	23 34 36.0	2.0												
			PP	23 36 32.0	2.3												
			eS	23 41 40.0	-5.4												
		LE	$M_s = 6.0$	15.0	7.00												
DEC 17d 00h 11m 24.8 ± 0.11s, SD1.37 / 46 7.78 N ± 1.66km, 126.84 E ± 2.29km, h45 ± 0.26km Mindanao (259) $M_s 4.7 / 3, m_b 5.2 / 3,$							DEC 17d 00h 39m 37.9 ± 0.10s, SD0.92 / 59 6.45 S ± 1.23km, 154.36 E ± 2.09km, h28 ± 0.94km New Britain region (192) $M_s 4.9 / 1, m_b 4.9 / 10,$										
QZN	19.9	306	P		00 15 55.0	-1.0	QZH	46.8	313	eP		00 48 07.6	0.5				
			S		00 19 32.0	0.0				SSE	49.0	322	eP	00 48 23.0	-1.6		
			LN	$M_s = 4.8$	15.0	1.53				WHN	53.1	316	eP	00 48 55.2	-0.6		
			LE		16.0	1.48							PMZ	$m_b = 5.4$	1.0	0.050	
			eP		00 16 36.0	1.5				TIA	55.0	323	eP	00 49 06.5	2.2		
SSE	23.8	348	epP		00 16 43.0	-2.5	MDJ	55.5	339	+P		00 49 08.7	-0.7				
			LE	$M_s = 4.3$	12.0	0.42				CN2	56.4	335	eP	00 49 12.0	-1.4		
			LZ	$M_s = 4.3$	18.0	0.90				GYA	56.6	307	P	00 49 18.2	-1.9		
			eP		00 17 52.9	-1.3				BJI	58.1	326	eP	00 49 22.0	0.5		
			TIY		00 18 01.0	-1.6				TIY	58.8	322	+P	00 49 31.5	-0.4		
BJI	33.5	345	eP		00 18 06.6	-0.4	XAN	58.9	316	P		00 49 36.5	-0.2				
	SNY	34.0	356	+P		00 18 18.6		0.1	CD2	61.0	311	eP		00 49 36.2	-1.2		
				pP		00 18 22.0		-1.0				BTO	62.0	323	P	00 49 51.8	0.0
				CN2		00 18 30.5		0.1				LZH	63.5	316	+P	00 50 00.0	1.0
				MDJ		00 18 54.5		-0.9							PMZ	$m_b = 5.4$	1.5
			GTA		00 20 14.1	0.5				GTA	67.9	317	-P	00 50 21.0	0.3		
WMQ	49.5	323	P				LSA	70.4	304	P		00 50 37.4	0.4				
										WMQ	78.0	317	+iP	00 50 53.2	0.3		
										KSH	85.2	310	eP	00 51 37.0	0.7		
DEC 17d 00h 27m 46.2 ± 0.14s, SD1.17 / 65 7.93 N ± 1.44km, 126.82 E ± 2.05km, h47 ± 0.27km Mindanao (259) $M_s 4.6 / 8, m_b 5.2 / 1, m_b 5.4 / 8,$							DEC 17d 02h 12m 21.8 ± 0.10s, SD1.05 / 71 3.75 S ± 1.39km, 127.60 E ± 1.68km, h23 ± 0.16km Banda Sea (280) $m_b 5.1 / 14,$										
QZH	18.7	336	eP		00 32 05.0	2.2	QZN	28.6	323	eP		02 18 19.0	0.2				
	QZN	19.8	306	-P		00 32 16.0		-0.1			eS		02 23 05.0	0.4			
				LN	$M_s = 4.9$	14.0		2.20			QZH	29.8	343	eP	02 18 29.5	-0.4	
				LE		16.0		1.40			eS		02 23 24.0	-0.3			
				SSE		00 32 56.5		2.2			SSE	35.2	350	eP	02 19 16.8	0.2	
			PMZ	$m_b = 4.6$	1.0	0.028			PMZ		$m_b = 4.9$	1.2	0.024				
		PMZ	$m_b = 5.2$	10.0	1.05			GYA	36.2	327	P	02 19 26.2	0.7				
		sP		00 33 10.0	-0.8			PcP			02 21 51.0	0.9					
		sS		00 37 20.0	-1.2			WHN	36.4	341	-P	02 19 28.5	1.8				
		LE	$M_s = 4.4$	12.0	0.53			PMZ		$m_b = 5.4$	1.5	0.11					
NJ2	25.1	344	eP		00 33 10.5	1.9	NJ2	36.6	347	+P		02 19 34.5	0.2				
			LZ	$M_s = 4.6$	20.0	1.84				eS			02 25 06.0	-0.2			
			WHN		00 33 11.0	0.2				NJ2	36.6	347	+P	02 19 29.0	0.8		
			sP		00 33 28.5	1.3				KMI	37.5	321	-P	02 19 38.0	1.6		
			S		00 37 30.0	-0.4				CD2	41.3	328	eP	02 20 08.0	0.2		
GYA	26.6	316	P		00 33 24.0	1.6	XAN	41.5	336	P		02 20 08.8	-0.7				
			S		00 37 55.4	4.8				TIY	43.6	342	+iP	02 20 26.3	-0.3		
			LN	$M_s = 4.8$	15.0	0.80				BJI	44.8	348	eP	02 20 36.0	-0.4		
			LE		15.0	1.10				PMZ		$m_b = 5.2$	1.5	0.052			
			LZ	$M_s = 4.6$	16.0	1.20				LZH	45.4	333	eP	02 20 42.0	0.5		
KMI	28.6	309	-P		00 33 41.5	0.3	PMZ			$m_b = 5.6$	1.5	0.14					
	TIA	29.5	344	eP		00 33 46.6		-2.1			PMZ		3.0	0.33			
				XAN		00 33 58.2		-1.9			pP			02 20 47.0	-2.0		
				DL2		00 34 03.2		-0.4			sP			02 20 55.0	2.7		
				CD2		00 34 04.6		-1.1			SNY	45.5	356	-iP	02 20 41.4	-0.4	
			TIY		00 34 12.9	-1.3			HHC	46.7	343	P	02 20 51.6	-0.2			
		BJI		00 34 21.5	-1.0			BTO	47.0	342	eP	02 20 53.4	-0.2				
		SNY		00 34 26.0	-1.0			CN2	47.4	358	eP	02 20 53.0	-3.6				



MDJ	48.2	2	+P	02 21 03.0	0.1		
LSA	48.2	316	P	02 21 04.2	0.6		
GTA	50.0	332	+iP	02 21 16.6	-0.5		
WMQ	59.4	327	+iP	02 22 24.1	-1.3		
KSH	64.1	318	eP	02 22 56.8	-0.1		

DEC 17d 03h 00m 32.2 ± 0.19s, SD2.14 / 23  
33.21 N ± 2.44km, 135.53 E ± 2.37km, h30 ± 0.69km  
South-east of Shikoku (237)  
M<sub>s</sub>4.1 / 1,

MDJ	12.3	340	eP	03 03 24.0	-4.2		
CN2	13.2	326	eP	03 03 39.0	-1.2		
BJI	17.0	299	eP	03 04 32.0	3.0		
			LZ	M <sub>s</sub> = 4.2	14.0	0.82	
WHN	18.2	267	eP	03 04 49.0	4.6		
			pP	03 04 54.0	2.5		
TIY	19.3	290	eP	03 04 58.0	-0.2		
			LN	M <sub>s</sub> = 4.1	18.0	0.57	
			LZ	M <sub>s</sub> = 4.0	22.0	0.78	
BTO	21.6	297	eP	03 05 24.0	1.5		
XAN	22.2	280	P	03 05 27.5	0.0		
GYA	25.9	263	P	03 06 02.8	-0.8		
CD2	27.0	274	eP	03 06 13.6	-0.1		

DEC 17d 03h 12m 17.1 ± 0.11s, SD1.19 / 83  
8.51 S ± 2.20km, 92.19 E ± 2.11km, h24 ± 0.24km  
South Indian Ocean (425)  
M<sub>s</sub>5.5 / 45, m<sub>b</sub>5.8 / 21, m<sub>b</sub>5.4 / 16,

QZN	32.4	32	P	03 18 46.0	-2.0		
			sP	03 19 00.0	0.9		
			PP	03 19 54.0	-1.6		
			sS	03 24 08.5	-4.6		
			LN	M <sub>s</sub> = 5.6	16.0	6.44	
			LE		13.0	1.27	
KMI	35.0	17	+P	03 19 12.0	1.8		
			sP	03 19 19.0	-2.1		
			eS	03 24 42.0	1.9		
			sS	03 24 54.0	1.5		
			LN	M <sub>s</sub> = 5.5	13.0	3.90	
			LZ	M <sub>s</sub> = 6.0	16.0	22.3	
GYA	37.5	22	+P	03 19 32.0	0.6		
			sP	03 19 39.0	-3.5		
			S	03 25 20.6	3.1		
			LN	M <sub>s</sub> = 5.6	16.0	3.20	
			LE		16.0	3.30	
			LZ	M <sub>s</sub> = 5.1	18.0	2.60	
GZH	37.6	33	eP	03 19 32.4	0.2		
			S	03 25 25.0	5.7		
			LE	M <sub>s</sub> = 5.5	13.0	3.30	
			LZ	M <sub>s</sub> = 5.3	15.0	3.30	
LSA	38.0	359	P	03 19 37.8	1.8		
			iS	03 25 28.0	1.0		
			SMN	m <sub>b</sub> = 5.7	5.0	0.64	
			LE	M <sub>s</sub> = 5.0	14.0	1.06	
CD2	40.7	15	eP	03 19 58.0	-0.3		
			ePcS	03 25 51.0	2.2		
			eS	03 26 05.5	-1.9		
			LE	M <sub>s</sub> = 5.5	12.5	2.77	
			LZ	M <sub>s</sub> = 4.9	22.0	1.96	
QZH	42.0	37	+P	03 20 10.0	1.0		
			sP	03 20 18.0	-2.3		
			S	03 26 31.0	5.2		
			sS	03 26 38.0	-1.7		
			LN	M <sub>s</sub> = 5.6	15.0	2.41	
			LE		15.0	2.98	
			LZ	M <sub>s</sub> = 5.3	18.0	3.63	
WHN	44.3	28	+P	03 20 28.0	0.9		
			PMZ	m <sub>b</sub> = 5.6	1.8	0.16	

			sP	03 20 35.5	-2.9		
			PP	03 22 14.0	2.4		
			eS	03 27 03.0	3.7		
			SMN	m <sub>b</sub> = 5.8	8.0	0.89	
			SME		8.0	1.01	
			LN	M <sub>s</sub> = 5.7	15.0	2.92	
			LE		15.0	3.31	
			LZ	M <sub>s</sub> = 5.0	20.0	1.88	
XAN	45.2	20	eP	03 20 34.4	-0.2		
			S	03 27 12.0	0.5		
			LN	M <sub>s</sub> = 5.8	17.0	3.44	
			LE		18.0	4.77	
LZH	45.7	13	+P	03 20 38.0	-0.7		
			PMZ	m <sub>b</sub> = 5.3	1.8	0.080	
			PMZ	m <sub>b</sub> = 5.6	5.0	0.47	
			pP	03 20 45.5	-0.9		
			ePP	03 22 31.0	5.6		
			eS	03 27 20.0	0.0		
			SS	03 30 35.0	0.0		
			ScS	03 30 33.0	3.3		
			LN	M <sub>s</sub> = 5.6	14.0	2.43	
			LE		12.0	1.30	
			LZ	M <sub>s</sub> = 5.2	22.0	3.33	
NJ2	47.7	31	+P	03 20 54.5	0.2		
			PMZ	m <sub>b</sub> = 5.8	5.0	0.71	
			LN	M <sub>s</sub> = 5.6	15.0	2.66	
			LE		14.0	1.60	
			LZ	M <sub>s</sub> = 5.3	18.0	2.92	
SSE	48.2	34	P	03 20 59.5	1.3		
			PMZ	m <sub>b</sub> = 5.6	10.0	0.91	
			pP	03 21 06.0	0.0		
			PP	03 22 54.0	4.8		
			S	03 28 00.0	5.8		
			sS	03 28 10.0	1.6		
			LN	M <sub>s</sub> = 5.7	16.0	3.29	
			LE		14.0	1.40	
			LZ	M <sub>s</sub> = 5.3	20.0	3.68	
GTA	48.2	8	+iP	03 20 58.0	-0.4		
			PMZ	m <sub>b</sub> = 5.5	1.2	0.090	
			sP	03 21 05.5	-3.9		
			S	03 27 55.0	0.8		
			sS	03 28 05.5	-2.9		
			LE	M <sub>s</sub> = 5.4	15.0	2.09	
			LZ	M <sub>s</sub> = 5.0	18.0	1.47	
TIY	49.7	21	+P	03 21 10.0	-0.1		
			LN	M <sub>s</sub> = 5.7	16.0	3.66	
			LZ	M <sub>s</sub> = 5.4	18.0	3.89	
KSH	50.1	344	P	03 21 12.0	-1.0		
			pP	03 21 18.0	-2.7		
			PP	03 23 08.0	-0.2		
			eS	03 28 23.0	0.8		
			SME	m <sub>b</sub> = 6.4	6.0	3.20	
			sS	03 28 34.0	-1.1		
			LE	M <sub>s</sub> = 5.5	11.0	1.80	
TIA	50.3	26	eP	03 21 13.3	-1.0		
			eS	03 28 23.1	-1.4		
			LN	M <sub>s</sub> = 5.5	12.5	1.67	
			LZ	M <sub>s</sub> = 5.3	15.0	2.54	
BTO	51.6	17	P	03 21 24.0	0.0		
			pP	03 21 28.0	-3.8		
			ePP	03 23 19.0	-2.1		
			S	03 28 43.0	2.1		
			sS	03 28 50.0	-5.1		
			LN	M <sub>s</sub> = 5.8	14.0	3.40	
			LE		13.0	2.20	
WMQ	52.2	356	P	03 21 28.8	-0.3		
			pP	03 21 37.0	0.1		
			S	03 28 50.0	-0.1		















BJI	32.9 345	LZ	$M_s = 4.6$	26.0	1.71	XAN	18.3 310	P	11 19 13.9	-0.4					
		eP	10 42 30.0	-1.1			TIY	18.4 325	eP	11 19 17.5	1.4				
		PMZ	$m_b = 4.9$	1.4	0.030		BJI	18.6 336	eP	11 19 18.0	-0.3				
		epP	10 42 44.0	4.1			CD2	21.0 296	eP	11 19 44.7	-0.6				
		esP	10 42 47.5	3.8			BTO	21.8 326	eP	11 19 55.0	1.8				
		eS	10 47 42.0	-4.2			LZH	22.9 309	eP	11 20 04.0	-0.1				
		LN	$M_s = 4.8$	14.0	0.86			PMZ	$m_b = 4.5$	1.5	0.029				
		LZ	$M_s = 4.7$	20.0	1.44	GTA	27.3 312	eP	11 20 45.2	-0.5					
SNY	33.4 356	+iP	10 42 35.5	0.0		DEC 17d 12h 38m $25.6 \pm 0.10s$ , SD1.32 / 43 8.33 N $\pm 1.33km$ , 126.87 E $\pm 1.91km$ , h42 $\pm 0.03km$ Mindanao (259) $M_s 4.6 / 8$ , $m_b 4.3 / 5$ ,									
		PMZ	$m_b = 5.5$	1.0	0.086										
		pP	10 42 45.5	1.2											
		sP	10 42 49.3	1.2											
		S	10 47 48.0	-5.2											
		LZ	$M_s = 4.6$	17.0	1.06										
LZH	34.6 326	eP	10 42 44.0	-2.0		QZN	19.6 305	eP	12 42 57.0	3.2					
		PMZ	$m_b = 5.0$	2.0	0.047			S	12 46 32.0	5.0					
		pP	10 42 54.5	-0.1				LN	$M_s = 4.7$	14.0	0.94				
		ePP	10 44 05.0	2.7				LE		13.0	1.02				
		eS	10 48 09.0	-3.9			SSE	23.3 348	+P	12 43 32.2	1.8				
		eSS	10 50 31.0	6.6					PMZ	$m_b = 4.6$	1.0	0.028			
		LN	$M_s = 5.2$	14.0	1.76			sP	12 43 49.5	3.7					
		LZ	$M_s = 5.3$	19.0	5.25			S	12 47 41.0	5.9					
HHC	35.0 340	eP	10 42 50.0	0.3				LN	$M_s = 4.5$	12.0	0.30				
		LN	$M_s = 5.0$	12.0	0.65			LE		12.0	0.53				
		LE		15.0	0.93		WHN	25.0 334	eP	12 43 48.5	1.1				
		LZ	$M_s = 4.6$	30.0	1.56				sP	12 44 07.0	4.3				
		+P	10 42 52.0	0.4					eS	12 48 08.0	2.2				
		PMZ		3.0	0.40				LE	$M_s = 4.5$	14.0	0.65			
		pP	10 43 01.0	0.5				LZ	$M_s = 4.3$	20.0	0.92				
CN2	35.3 358	eS	10 48 23.0	-0.1				WHN	25.0 334	eP	12 43 48.5	1.1			
		SME	$m_b = 5.2$	6.0	0.30				sP	12 44 07.0	4.3				
		LE	$M_s = 4.7$	13.0	0.60				eS	12 48 08.0	2.2				
		LZ	$M_s = 4.7$	18.0	1.30		TIY	32.0 338	eP	12 44 50.6	-0.3				
		eP	10 42 52.0	-0.5					S	12 50 03.0	5.3				
		epP	10 43 04.0	2.8					LN	$M_s = 4.7$	15.0	0.80			
BTO	35.4 338	PP	10 44 15.0	3.0				LZ	$M_s = 4.4$	22.0	0.78				
		eS	10 48 22.0	-2.7					BJI	33.0 345	eP	12 44 58.0	-1.1		
		LN	$M_s = 5.2$	18.0	1.30					S	12 50 12.0	-0.5			
		LE		18.0	1.90		SNY	33.5 356	-iP	12 45 03.6	0.2				
		+P	10 43 00.4	1.3					pP	12 45 14.9	0.6				
		pP	10 43 03.0	-4.9					S	12 50 20.0	-0.3				
GTA	39.2 326	S	10 48 35.0	-0.7				LZ	$M_s = 4.4$	20.0	0.79				
		LZ	$M_s = 4.6$	16.0	0.90				HHC	35.1 340	P	12 45 17.1	-0.6		
		+P	10 43 24.0	-0.7					CN2	35.4 358	eP	12 45 20.0	0.5		
		LE	$M_s = 5.0$	17.0	1.17				BTO	35.5 338	eP	12 45 25.4	4.9		
		LZ	$M_s = 4.7$	20.0	1.20				MDJ	36.2 3	eP	12 45 27.5	0.7		
		P	10 43 29.4	1.6					WMQ	49.1 323	eP	12 47 11.2	-0.2		
LSA	39.6 307	P	10 44 43.8	0.3					sP	12 47 29.0	1.9				
		WMQ	49.0 323	P	10 44 43.8	0.3				eS	12 54 12.0	-0.5			
		pP	10 44 55.0	2.7						LZ	$M_s = 4.7$	18.0	0.70		
		PcP	10 46 05.0	-1.7						DEC 17d 14h 34m $25.2 \pm 0.12s$ , SD1.07 / 88 8.58 N $\pm 1.29km$ , 126.74 E $\pm 1.69km$ , h39 $\pm 0.14km$ Mindanao (259) $M_s 5.8 / 54$ , $m_b 5.9 / 31$ , $m_b 5.6 / 23$ ,					
		eS	10 51 45.0	-0.2						QZH	18.0 335	+P	14 38 34.0	-0.7	
		LZ	$M_s = 5.1$	20.0	2.16						PMZ	$m_b = 5.7$	1.5	0.58	
KSH	54.9 313	eP	10 45 24.5	-3.3						PMZ	$m_b = 6.1$	8.0	6.84		
		DEC 17d 11h 14m $59.4 \pm 0.08s$ , SD1.06 / 36 23.27 N $\pm 1.74km$ , 125.80 E $\pm 1.26km$ , h16 $\pm 0.91km$ South-east of Taiwan (247) $M_s 3.9 / 2$ , $M_L 3.5 / 2$ , $m_b 4.1 / 3$ ,													
		QZH	6.8 286	eP	11 16 39.8	-1.3					S	14 41 54.0	3.1		
		SSE	8.8 333	eP	11 17 08.8	-0.5					sS	14 42 08.0	2.9		
				S	11 18 45.0	-4.0					LN	$M_s = 5.6$	16.0	18.1	
				SME	$M_L = 3.7$	1.0	0.014				LZ	$M_s = 5.6$	16.0	20.8	
		LE	$M_s = 3.7$	11.0	0.48				GZH	19.3 320	P	14 38 48.2	-1.8		
NJ2	10.7 326	-P	11 17 36.0	0.7						PMZ	$m_b = 5.5$	6.0	1.52		
		WHN	12.5 308	eP	11 18 00.0	0.0				sP	14 39 04.5	0.8			
				pP	11 18 03.0	-2.1					S	14 42 21.0	1.3		
GYA	17.6 284	P	11 19 08.6	1.8						LN	$M_s = 5.9$	12.0	5.68		
				LN	$M_s = 4.1$	9.0	0.51			LE		15.0	23.6		
				LZ	$M_s = 5.7$	14.0	23.7			LZ	$M_s = 5.7$	14.0	23.7		
									QZN	19.4 304	+P	14 38 51.0	0.0		
											eS	14 42 23.0	0.8		
											sS	14 42 38.0	2.2		







LSA	39.4	307	LZ	$M_s = 5.9$	18.0	14.7
			P	14 41 55.1	1.3	
			pP	14 42 05.0	1.3	
			S	14 47 56.0	4.9	
			LN	$M_s = 5.5$	14.0	2.34
WMQ	48.8	323	LE		15.0	2.09
			+iP	14 43 09.0	-0.3	
			PMZ		15.0	0.10
			pP	14 43 21.5	1.8	
			S	14 50 12.0	4.3	
			SMN	$m_b = 5.9$	10.0	1.64
			ScS	14 52 59.0	4.6	
KSH	54.7	313	LN	$M_s = 6.2$	15.0	8.03
			LE		14.0	6.49
			LZ	$M_s = 5.9$	20.0	12.3
			P	14 43 54.5	0.7	
			pP	14 44 06.0	1.7	
			PP	14 46 02.0	5.1	
			S	14 51 28.0	-0.8	
			sS	14 51 44.0	-3.8	
			LE	$M_s = 6.1$	14.0	6.50

DEC 17d 15h 46m  $49.4 \pm 0.10s$ , SD1.35 / 41  
 8.77 N  $\pm 1.04km$ , 126.77 E  $\pm 1.84km$ ,  $h36 \pm 0.94km$   
 Mindanao (259)  
 $m_b 4.6 / 8$ ,

QZN	19.3	304	eP	15 51 14.4	-0.1	
SSE	22.8	348	P	15 51 51.5	1.1	
			PMZ	$m_b = 4.6$	1.0	0.028
			sP	15 52 01.7	-2.6	
WHN	24.6	333	eP	15 52 08.5	0.9	
BJI	32.5	345	eP	15 53 19.0	-0.6	
SNY	33.0	356	+iP	15 53 24.9	0.9	
			PMZ	$m_b = 5.2$	1.1	0.043
			pP	15 53 35.3	1.5	
HHC	34.7	340	eP	15 53 38.0	-0.3	
CN2	34.9	358	eP	15 53 39.5	-0.6	
MDJ	35.8	3	eP	15 53 49.0	1.4	
			pP	15 53 58.5	1.0	
GTA	38.9	326	eP	15 54 11.2	-2.5	
LSA	39.3	307	P	15 54 16.8	-0.7	
WMQ	48.7	323	P	15 55 32.2	-0.6	

DEC 17d 17h 09m  $52.5 \pm 0.13s$ , SD1.10 / 36  
 8.78 N  $\pm 1.14km$ , 126.73 E  $\pm 2.37km$ ,  $h34 \pm 0.14km$   
 Mindanao (259)  
 $M_s 4.4 / 3$ ,  $m_b 4.9 / 1$ ,  $m_b 4.7 / 7$ ,

SSE	22.8	348	P	17 14 55.5	1.9	
			PMZ	$m_b = 4.7$	1.0	0.034
			pP	17 15 02.5	-0.1	
			sS	17 19 06.0	-4.8	
			LE	$M_s = 4.2$	12.0	0.37
			LZ	$M_s = 4.1$	20.0	0.64
NJ2	24.3	344	eP	17 15 09.2	1.2	
BJI	32.5	345	eP	17 16 22.0	-0.8	
			PMZ	$m_b = 4.7$	1.2	0.016
SNY	33.0	356	-P	17 16 28.2	1.0	
			pP	17 16 35.1	-1.5	
HHC	34.7	340	P	17 16 41.5	0.1	
BTO	35.0	338	eP	17 16 43.6	-0.7	
GTA	38.9	326	eP	17 17 16.3	-0.5	
LSA	39.3	307	P	17 17 21.0	0.5	
WMQ	48.7	323	P	17 18 36.0	0.1	
			pP	17 18 43.5	-1.8	
			eS	17 25 37.0	1.9	
			sS	17 25 48.0	-2.8	
			LZ	$M_s = 4.6$	16.0	0.55

DEC 17d 18h 48m  $17.2 \pm 0.09s$ , SD1.29 / 51  
 10.06 N  $\pm 1.40km$ , 126.35 E  $\pm 2.23km$ ,  $h34 \pm 0.30km$   
 Mindanao (259)  
 $M_s 4.5 / 9$ ,  $m_b 4.5 / 7$ ,

QZN	18.3	301	eP	18 52 32.0	1.9	
			eS	18 55 51.0	1.1	
			sS	18 56 03.0	0.7	
			LN	$M_s = 4.4$	15.0	0.66
			LE		16.0	0.74
SSE	21.5	348	P	18 53 05.2	0.1	
			eS	18 56 54.0	-2.5	
			sS	18 57 16.0	5.1	
			LZ	$M_s = 4.1$	20.0	0.64
NJ2	23.0	344	+P	18 53 20.6	0.8	
			PMZ	$m_b = 4.7$	1.0	0.034
WHN	23.2	333	eP	18 53 27.0	4.4	
			S	18 57 32.0	4.0	
			LN	$M_s = 4.5$	12.0	0.52
			LE		12.0	0.49
			LZ	$M_s = 4.2$	16.0	0.59
GYA	24.8	314	P	18 53 38.0	0.6	
			S	18 57 54.4	0.5	
			LN	$M_s = 4.7$	15.0	0.80
			LE		15.0	0.90
CD2	29.5	318	eP	18 54 19.2	-1.8	
TIY	30.3	338	eP	18 54 26.8	-0.7	
			LN	$M_s = 4.8$	18.0	1.13
			LZ	$M_s = 4.5$	16.0	0.88
BJI	31.2	345	eP	18 54 35.5	-0.3	
			eS	18 59 36.0	-2.6	
LZH	33.0	325	eP	18 54 50.5	-1.3	
			PMZ	$m_b = 4.9$	1.5	0.029
			LE	$M_s = 4.7$	13.0	0.56
			LZ	$M_s = 4.5$	17.0	0.83
HHC	33.3	339	P	18 54 55.1	0.4	
			LZ	$M_s = 4.3$	20.0	0.62
CN2	33.6	359	eP	18 54 59.0	2.0	
BTO	33.7	337	eP	18 54 58.0	0.4	
MDJ	34.5	4	eP	18 55 05.0	0.1	
GTA	37.6	325	-P	18 55 30.0	-0.9	
WMQ	47.4	322	eP	18 56 50.2	-0.7	

DEC 17d 18h 58m  $52.2 \pm 0.14s$ , SD1.93 / 39  
 7.80 N  $\pm 2.08km$ , 127.05 E  $\pm 3.01km$ ,  $h11 \pm 0.18km$   
 Mindanao (259)  
 $M_s 4.9 / 8$ ,  $m_b 5.5 / 2$ ,

SSE	23.8	347	+P	19 04 06.0	-0.4	
			PMZ	$m_b = 5.4$	7.0	1.01
			PP	19 04 40.0	1.0	
			S	19 08 25.0	6.8	
			LN	$M_s = 4.8$	10.0	0.43
			LE		10.0	0.89
			LZ	$M_s = 4.6$	20.0	1.84
WHN	25.6	334	eP	19 04 20.2	-3.0	
			LN	$M_s = 5.0$	15.0	1.83
			LE		14.0	1.31
			LZ	$M_s = 4.5$	20.0	1.25
CD2	31.7	320	eP	19 05 20.8	2.5	
			eS	19 10 23.9	-2.7	
			LE	$M_s = 5.0$	12.0	1.31
			LZ	$M_s = 4.7$	16.0	1.34
TIY	32.6	338	eP	19 05 24.3	-2.1	
			LN	$M_s = 4.9$	14.0	1.07
			LZ	$M_s = 4.6$	21.0	1.15
SNY	34.0	355	+iP	19 05 35.4	-3.4	
			sP	19 05 51.2	3.9	
			S	19 11 06.0	3.6	
			SME	$m_b = 5.5$	7.5	0.69





MDJ	36.7	3	LZ	$M_s = 4.7$	20.0	1.27	HHC	35.0	340	P	19 45 07.0	-0.4		
			eP	19 06 04.0	2.1					LN	$M_s = 4.8$	12.0	0.45	
			sP	19 06 14.7	4.3					LE		12.0	0.39	
			S	19 11 44.0	-0.3					LZ	$M_s = 4.4$	20.0	0.75	
GTA	39.8	326	LZ	$M_s = 4.7$	16.0	1.05	CN2	35.3	358	eP	19 45 09.0	-0.6		
			eP	19 06 29.2	1.1		BTO	35.4	338	eP	19 45 10.0	-0.2		
			LE	$M_s = 4.9$	16.0	0.99	MDJ	36.2	3	-P	19 45 18.0	1.0		
LSA	40.1	308	LZ	$M_s = 4.8$	18.0	1.18			pP	19 45 29.5	2.4			
WMQ	49.6	323	eP	19 06 30.4	-0.2				S	19 50 52.0	-1.1			
			P	19 07 46.0	-0.4				LZ	$M_s = 4.7$	16.0	1.05		
			PcP	19 09 07.0	-0.2		GTA	39.2	326	+P	19 45 41.6	-0.7		
			LZ	$M_s = 4.9$	16.0	1.11			LE	$M_s = 4.8$	12.0	0.53		
									LZ	$M_s = 4.7$	18.0	1.03		
DEC 17d 19h 38m $15.6 \pm 0.09s$ , SD1.06 / 72							LSA	39.5	307	P	19 45 47.0	1.7		
8.37 N $\pm$ 1.28km, 126.73 E $\pm$ 1.61km, h38 $\pm$ 0.06km							WMQ	49.0	323	P	19 47 00.5	-0.6		
Mindanao (259)									LZ	$M_s = 4.9$	16.0	1.10		
$M_s 4.8 / 16$ , $m_b 5.2 / 15$ ,							KSH	54.9	313	P	19 47 46.4	1.0		
QZH	18.2	336	eP	19 42 28.5	1.0		DEC 17d 21h 44m $50.8 \pm 0.08s$ , SD1.19 / 60							
QZN	19.5	305	eP	19 42 44.0	1.3		35.68 N $\pm$ 1.41km, 69.29 E $\pm$ 1.39km, h102 $\pm$ 0.50km							
			S	19 46 17.0	2.2		Hindu Kush region (718)							
			SS	19 46 43.5	1.7		$m_b 5.1 / 8$ ,							
			LN	$M_s = 4.9$	16.0	1.90	KSH	6.5	52	P	21 46 28.2	2.4		
			LE		18.0	2.20			S	21 47 40.5	1.5			
SSE	23.2	348	+P	19 43 21.3	1.1				SMN		0.5	1.50		
			PMZ	$m_b = 5.2$	1.2	0.12			SME		0.5	1.50		
			pP	19 43 31.5	1.6		WMQ	16.3	55	P	21 48 35.0	-0.2		
			S	19 47 26.0	1.2				sP	21 49 09.0	4.1			
			sS	19 47 45.0	3.4				S	21 51 31.0	-0.8			
			LE	$M_s = 4.5$	12.0	0.58	LSA	19.3	102	P	21 49 12.6	1.4		
			LZ	$M_s = 4.6$	20.0	1.84	GTA	24.4	72	+iP	21 50 02.8	1.3		
NJ2	24.7	344	-P	19 43 35.8	1.2		KMI	30.6	101	eP	21 50 55.0	-2.7		
			LZ	$M_s = 4.4$	18.0	0.95	BTO	32.2	69	eP	21 51 12.4	0.7		
WHN	24.9	334	eP	19 43 35.5	-1.4		XAN	32.4	81	eP	21 51 12.2	-1.3		
			pP	19 43 50.0	3.4		GYA	33.1	96	P	21 51 19.8	-0.1		
			S	19 47 48.0	-6.4		HHC	33.4	68	eP	21 51 21.4	-0.3		
			LE	$M_s = 4.7$	12.0	0.98	TIY	34.4	74	-iP	21 51 31.0	0.1		
			LZ	$M_s = 4.4$	20.0	1.25			PcS	21 57 45.5	-3.4			
GYA	26.2	316	P	19 43 49.2	0.1		BJI	36.9	69	eP	21 51 52.0	0.0		
			S	19 48 22.4	6.8				PMZ	$m_b = 4.8$	0.8	0.015		
			LN	$M_s = 4.9$	15.0	1.10	WHN	37.8	85	+P	21 52 00.0	0.5		
			LE		15.0	1.00	TIA	38.4	75	eP	21 52 04.3	0.0		
KMI	28.3	309	+P	19 44 08.0	-0.3		NJ2	41.0	80	-P	21 52 25.8	0.4		
			SS	19 50 19.0	4.3		DL2	41.3	69	eP	21 52 28.6	0.5		
			LZ	$M_s = 4.9$	20.0	3.00			PMZ	$m_b = 5.5$	0.8	0.056		
TIA	29.1	344	eP	19 44 14.2	-0.8		SNY	42.2	65	-iP	21 52 35.0	-0.4		
XAN	30.4	330	P	19 44 24.7	-1.9				PMZ	$m_b = 5.1$	0.6	0.019		
DL2	30.8	352	eP	19 44 30.0	0.1		SSE	43.2	81	P	21 52 44.2	0.8		
			LN	$M_s = 4.7$	10.0	0.57			PMZ	$m_b = 5.0$	0.8	0.020		
			LZ	$M_s = 4.4$	14.0	0.63	CN2	43.2	61	eP	21 52 43.0	-0.8		
CD2	31.0	319	eP	19 44 31.2	-1.3		DEC 17d 22h 30m $35.2 \pm 0.12s$ , SD1.06 / 29							
			eS	19 49 30.0	-3.8		6.92 N $\pm$ 1.50km, 93.92 E $\pm$ 1.69km, h34 $\pm$ 0.28km							
			LN	$M_s = 5.0$	14.0	1.59	Nicobar Islands region (704)							
			LZ	$M_s = 4.7$	18.0	1.37	LSA	22.8	354	P	22 35 36.8	-0.2		
TIY	32.0	338	-P	19 44 39.7	-0.9		CD2	25.6	20	eP	22 36 03.0	-0.3		
BJI	32.9	345	eP	19 44 48.5	-0.4		XAN	30.3	25	P	22 36 44.8	-1.6		
			PMZ	$m_b = 5.6$	1.3	0.12	GTA	32.8	8	-P	22 37 07.0	-1.0		
			eS	19 50 04.0	0.8		BTO	36.5	21	eP	22 37 39.7	0.0		
			LZ	$M_s = 4.3$	20.0	0.60	HHC	37.3	22	P	22 37 46.7	0.4		
SNY	33.4	356	+P	19 44 53.5	0.1		SNY	43.6	32	eP	22 38 38.0	-0.3		
			PMZ	$m_b = 5.9$	1.3	0.27	CN2	45.9	32	eP	22 38 56.7	-0.6		
			eS	19 50 10.0	-1.3		DEC 18d 00h 48m $10.9 \pm 0.10s$ , SD1.63 / 27							
			LZ	$M_s = 4.5$	21.0	1.04	7.61 N $\pm$ 1.30km, 127.13 E $\pm$ 2.16km, h32 $\pm$ 0.35km							
LZH	34.6	326	eP	19 45 02.5	-1.1		Mindanao (259)							
			PMZ	$m_b = 5.3$	1.5	0.079	$M_s 4.5 / 1$ , $m_b 5.0 / 5$ ,							
			pP	19 45 15.0	1.5		QZN	20.3	306	P	00 52 45.8	-0.9		
			PcS	19 51 24.0	1.8									
			LN	$M_s = 5.0$	15.0	1.48								
			LZ	$M_s = 4.9$	17.0	1.91								





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SNY	34.2	355	PP	00 53 06.0	-0.7	15.0	0.80	
			LN	$M_s = 4.5$	15.0			0.70
			LE					
			+P	00 54 56.5	0.4			
CN2	36.1	358	PMZ	$m_b = 5.0$	0.8	0.019		
			sP	00 55 11.7	2.6			
			eP	00 55 12.2	0.2			
			eP	00 55 20.0	0.9			
MDJ	36.9	3	eP	00 55 42.2	-3.1			
			eP	00 57 03.0	-0.5			
GTA	40.0	326	eP					
WMQ	49.8	323	eP					

LZH	33.0	325	eP	03 15 17.0	-0.5	15.0	0.073	
			PMZ	$m_b = 5.0$	15.0			0.77
			LE	$M_s = 4.7$	15.0			0.68
			LZ	$M_s = 4.5$	15.0			
HHC	33.3	339	eP	03 15 20.4	-0.1			
			-P	03 15 56.2	-0.5			
GTA	37.6	325	LZ	$M_s = 4.6$	16.0	0.74		
			eP	03 17 16.6	0.0			
WMQ	47.4	322	eS	03 24 03.5	-4.6			
			LZ	$M_s = 4.8$	16.0	0.76		

DEC 18d 02h 43m  $09.1 \pm 0.12s$ , SD1.56 / 30  
 10.07 N  $\pm 1.95km$ , 126.17 E  $\pm 1.80km$ , h33  $\pm 0.22km$   
 Mindanao (259)  
 $M_s 4.3 / 4$ ,  $m_b 4.7 / 5$ ,

QZN	18.1	301	eP	02 47 22.0	1.8	16.0	1.30	
			LE	$M_s = 4.5$	16.0			
SSE	21.4	348	-P	02 47 56.2	-0.4	0.8	0.034	
			PMZ	$m_b = 4.8$				
			pP	02 48 05.0	-0.4			
			sP	02 48 13.8	4.3			
NJ2	22.9	344	S	02 51 54.0	6.9	12.0	0.26	
			LE	$M_s = 4.0$	20.0			0.46
			LZ	$M_s = 3.9$				
			-iP	02 48 12.6	1.3			
WHN	23.2	333	PMZ	$m_b = 4.8$	1.0	0.040		
			P	02 48 14.0	0.2			
TIA	27.3	344	S	02 52 25.0	6.4	16.0	0.86	
			LE	$M_s = 4.5$	16.0			0.59
XAN	28.6	329	LZ	$M_s = 4.2$				
			eP	02 48 51.7	-1.3			
BJI	31.1	345	eP	02 49 02.0	-3.0			
			eP	02 49 27.5	0.1			
LZH	32.9	325	eP	02 49 45.0	2.1	15.0	0.63	
			LZ	$M_s = 4.5$				
GTA	37.5	326	eP	02 50 21.2	-0.9			

DEC 18d 03h 38m  $51.3 \pm 0.11s$ , SD1.31 / 69  
 10.04 N  $\pm 1.68km$ , 126.35 E  $\pm 1.98km$ , h21  $\pm 0.16km$   
 Mindanao (259)  
 $M_s 4.4 / 9$ ,  $m_b 5.0 / 10$ ,

QZH	16.6	335	eP	03 42 48.0	3.9	18.0	0.61	
			LZ	$M_s = 3.9$				
QZN	18.3	301	eP	03 43 07.0	1.1	15.0	1.30	
			eS	03 46 24.0	-2.6			
SSE	21.5	348	P	03 43 42.2	1.0	1.0	0.059	
			PMZ	$m_b = 4.9$				
			LN	$M_s = 4.3$	12.0			0.46
			LZ	$M_s = 4.3$	18.0			0.90
NJ2	23.0	344	+P	03 43 57.4	1.5	1.0	0.070	
			PMZ	$m_b = 5.0$				
WHN	23.3	333	S	03 48 05.0	4.8	16.0	0.95	
			eP	03 44 00.0	1.3			
GYA	24.8	314	S	03 48 01.0	-4.3	16.0	0.59	
			LN	$M_s = 4.5$				
TIA	27.4	344	LZ	$M_s = 4.2$				
			P	03 44 14.8	1.4			
XAN	28.7	329	S	03 48 27.0	-4.1	18.0	0.85	
			eP	03 44 37.3	-0.3			
CD2	29.5	318	P	03 44 47.9	-2.1	15.0	0.82	
			eP	03 44 55.1	-2.0			
TIY	30.3	338	eP	03 45 02.6	-1.1	14.0	0.58	
			LE	$M_s = 4.6$				
BJI	31.2	345	LZ	$M_s = 4.5$				
			eP	03 45 11.0	-1.0			
SNY	31.8	356	+P	03 45 16.8	0.1	1.5	0.054	
			-P	03 45 27.5	-0.4			
LZH	33.0	325	PMZ	$m_b = 5.2$				
			LN	$M_s = 4.6$	13.0	0.44		
HHC	33.4	339	LZ	$M_s = 4.6$				
			eP	03 45 29.0	-1.8			
CN2	33.6	359	eP	03 45 33.3	0.1	13.0	0.30	
			eP	03 45 33.0	-0.8			
BTO	33.7	337	eS	03 50 49.0	-6.1	13.0	0.30	
			LN	$M_s = 4.4$				
MDJ	34.6	4	LZ	$M_s = 4.2$				
			eP	03 45 41.0	-0.1			
GTA	37.6	325	-iP	03 46 06.8	-0.3	16.0	0.87	
			LZ	$M_s = 4.7$				
WMQ	47.4	322	eP	03 47 27.0	0.0	16.0	0.76	
			eP	03 48 17.0	3.9			
KSH	53.5	312	eP					

DEC 18d 03h 08m  $42.9 \pm 0.10s$ , SD1.25 / 47  
 10.05 N  $\pm 1.58km$ , 126.30 E  $\pm 1.77km$ , h33  $\pm 0.12km$   
 Mindanao (259)  
 $M_s 4.5 / 7$ ,  $m_b 4.8 / 9$ ,

QZH	16.5	335	eP	03 12 38.0	4.0	18.0	0.61	
			S	03 15 41.0	5.7			
QZN	18.2	301	LZ	$M_s = 3.9$				
			eP	03 12 56.0	0.5			
SSE	21.5	348	eS	03 16 11.0	-4.1	15.5	1.10	
			LE	$M_s = 4.4$				
			P	03 13 31.0	0.1			
			PMZ	$m_b = 4.8$	1.0			0.042
NJ2	23.0	344	S	03 17 18.0	-3.8	18.0	0.45	
			LZ	$M_s = 4.0$				
			eP	03 13 46.8	1.1			
			PMZ	$m_b = 5.1$	0.8			0.065
WHN	23.2	333	S	03 17 50.0	1.1	16.0	1.24	
			eP	03 13 47.0	-1.4			
GYA	24.7	314	LE	$M_s = 4.7$				
			LZ	$M_s = 4.2$	16.0	0.59		
TIA	27.3	344	P	03 14 04.0	1.0	15.0	0.50	
			S	03 18 18.0	-1.5			
XAN	28.7	329	LN	$M_s = 4.5$				
			LE		15.0	0.60		
TIY	30.2	338	eP	03 14 26.5	-0.8	12.5	0.39	
			P	03 14 38.0	-1.6			
BJI	31.2	345	eP	03 14 53.0	-0.3	9.0	0.93	
			eS	03 19 44.0	-5.9			
LZH	32.9	325	LE	$M_s = 4.5$				
			LZ	$M_s = 4.8$				
GTA	37.5	326	LZ	$M_s = 4.5$				
			eP	03 15 00.0	-1.7			

DEC 18d 05h 27m  $33.4 \pm 0.11s$ , SD4.03 / 7  
 31.41 N  $\pm 0.65km$ , 102.36 E  $\pm 1.26km$ , h16  $\pm 0.15km$   
 Sichuan Province (307)  
 $M_L 3.1 / 4$ ,

XAN	6.1	63	ePg	05 29 24.3	2.7	1.0	0.050
			SMN	$M_L = 3.5$			
			SME			0.7	0.020

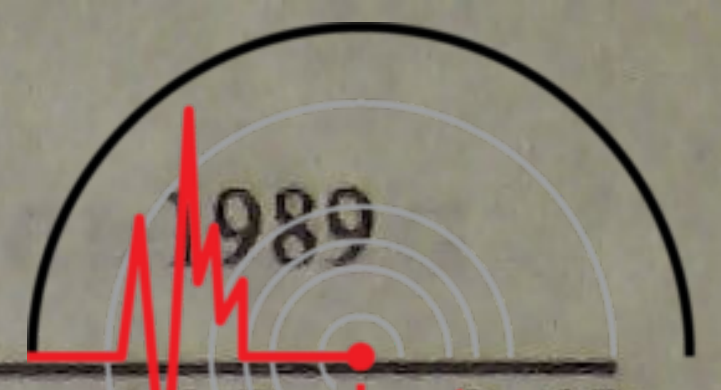
DEC 18d 06h 10m  $53.7 \pm 0.13s$ , SD1.17 / 54  
 8.29 N  $\pm 1.91km$ , 126.94 E  $\pm 1.40km$ , h33  $\pm 0.03km$   
 Mindanao (259)





M <sub>s</sub> 4.7/12, m <sub>b</sub> 4.8/10,				CN2 130.0 24 ePKP 07 32 15.0			
QZN	19.7	305	eP	06 15 24.0	0.4		
			eS	06 18 57.0	-2.2		
			LN	M <sub>s</sub> =4.7	13.0	0.80	
			LE		13.0	1.30	
SSE	23.3	347	P	06 16 01.5	1.5		
			PMZ	m <sub>b</sub> =4.7	1.2	0.039	
			sP	06 16 14.0	1.1		
			S	06 20 10.0	3.9		
			LE	M <sub>s</sub> =4.4	12.0	0.53	
			LZ	M <sub>s</sub> =4.3	20.0	0.93	
NJ2	24.8	343	eP	06 16 12.0	-2.5		
			S	06 20 32.0	0.2		
			LZ	M <sub>s</sub> =4.2	18.0	0.60	
WHN	25.1	334	eP	06 16 18.0	1.0		
			eS	06 20 34.0	-3.0		
			LE	M <sub>s</sub> =4.4	12.0	0.49	
GYA	26.4	316	P	06 16 30.2	0.6		
TIY	32.1	338	eP	06 17 20.1	-0.4		
			S	06 22 26.5	-2.3		
			LN	M <sub>s</sub> =4.7	14.0	0.78	
			LZ	M <sub>s</sub> =4.6	15.0	0.95	
BJI	33.1	345	eP	06 17 28.0	-0.7		
			PMZ	m <sub>b</sub> =5.0	1.5	0.039	
			eS	06 22 41.0	-3.5		
			LZ	M <sub>s</sub> =4.1	16.0	0.29	
SNY	33.5	355	+P	06 17 33.2	0.3		
			PMZ	m <sub>b</sub> =5.3	1.4	0.064	
LZH	34.8	326	eP	06 17 42.5	-1.3		
			PMZ	m <sub>b</sub> =5.1	1.5	0.042	
			LN	M <sub>s</sub> =4.7	13.0	0.63	
			LZ	M <sub>s</sub> =4.6	15.0	0.82	
HHC	35.2	340	eP	06 17 46.8	-0.5		
CN2	35.4	358	eP	06 17 49.0	0.1		
BTO	35.5	338	eP	06 17 50.8	0.7		
MDJ	36.3	3	eP	06 17 57.0	0.8		
GTA	39.4	326	P	06 18 21.4	-1.0		
			LE	M <sub>s</sub> =4.8	15.0	0.63	
LSA	39.7	307	P	06 18 26.6	1.0		
WMQ	49.2	323	eP	06 19 41.0	-0.1		
			PcP	06 21 05.0	1.3		
			eS	06 26 41.0	-2.8		
			sS	06 27 03.0	3.9		
			LZ	M <sub>s</sub> =4.7	16.0	0.69	
KSH	55.1	313	eP	06 20 25.0	-0.5		
DEC 18d 07h 13m 02.5 ± 0.15s, SD2.46 / 34				9.88 N ± 4.40km, 28.98 W ± 3.33km, h8 ± 0.51km			
Central Mid-Atlantic Ridge (406)				M <sub>s</sub> 5.7 / 2,			
WMQ	108.3	43	PKP	07 31 26.5	-5.5		
			PP	07 32 04.5	4.9		
			LZ	M <sub>s</sub> =5.4	30.0	1.43	
GTA	118.4	43	ePKP	07 31 49.4	-2.4		
			LZ	M <sub>s</sub> =5.2	36.0	1.06	
LZH	122.8	45	ePKP	07 32 02.0	1.6		
			LE	M <sub>s</sub> =5.8	18.0	1.27	
			LZ	M <sub>s</sub> =5.4	32.0	1.48	
CD2	125.1	51	ePKP	07 32 03.8	-1.0		
HHC	125.1	36	ePKP	07 32 09.6	4.7		
XAN	127.4	45	ePKP	07 32 07.6	-1.6		
TIY	127.6	39	ePKP	07 32 10.4	0.7		
			ePP	07 34 07.5	-5.9		
			LN	M <sub>s</sub> =5.6	11.0	0.46	
			LZ	M <sub>s</sub> =5.5	26.0	1.42	
BJI	128.3	34	ePKP	07 32 12.0	1.1		
			LZ	M <sub>s</sub> =5.5	52.0	2.55	
GYA	129.4	54	PKP	07 32 12.4	-0.6		
DEC 18d 08h 17m 24.4 ± 0.08s, SD1.58 / 15				8.06 N ± 0.99km, 127.10 E ± 1.63km, h30 ± 0.31km			
Mindanao (259)				M <sub>s</sub> 4.5 / 2,			
QZN	20.0	305	eP	08 21 56.3	-1.2		
			LE	M <sub>s</sub> =4.6	14.0	1.30	
SSE	23.6	347	eP	08 22 33.0	-0.6		
			LE	M <sub>s</sub> =4.3	15.0	0.50	
			LZ	M <sub>s</sub> =3.9	20.0	0.38	
BJI	33.3	345	eP	08 24 00.0	-2.0		
SNY	33.8	355	eP	08 24 05.2	-0.8		
MDJ	36.5	3	eP	08 24 29.0	-0.2		
DEC 18d 09h 40m 04.1 ± 0.07s, SD1.46 / 22				7.97 N ± 1.08km, 127.08 E ± 1.80km, h31 ± 0.29km			
Mindanao (259)				m <sub>b</sub> 4.8 / 3,			
QZN	20.0	305	eP	09 44 36.6	-0.8		
BJI	33.4	345	eP	09 46 41.0	-1.2		
SNY	33.9	355	eP	09 46 46.2	-0.1		
			pP	09 46 54.6	-0.6		
CN2	35.7	358	eP	09 47 02.0	-0.2		
MDJ	36.6	3	eP	09 47 10.0	0.6		
GTA	39.7	326	+P	09 47 34.4	-1.5		
DEC 18d 10h 26m 12.9 ± 0.12s, SD1.69 / 45				9.99 N ± 2.01km, 126.35 E ± 1.97km, h24 ± 0.17km			
Mindanao (259)				M <sub>s</sub> 4.4 / 8, m <sub>b</sub> 4.5 / 5,			
QZH	16.6	335	eP	10 30 08.5	2.5		
			eS	10 33 15.0	6.0		
			LZ	M <sub>s</sub> =4.0	18.0	0.73	
SSE	21.5	348	P	10 31 02.7	-0.1		
			PMZ	m <sub>b</sub> =4.5	1.0	0.020	
			pP	10 31 11.2	1.0		
			LE	M <sub>s</sub> =4.1	10.0	0.22	
NJ2	23.0	344	+P	10 31 18.0	0.4		
			S	10 35 28.0	6.0		
			LZ	M <sub>s</sub> =3.9	16.0	0.29	
WHN	23.3	333	eP	10 31 20.0	-0.3		
			pP	10 31 30.0	2.3		
			eS	10 35 24.0	-3.7		
			LE	M <sub>s</sub> =4.5	16.0	0.95	
			LZ	M <sub>s</sub> =4.2	16.0	0.59	
XAN	28.8	329	eP	10 32 08.4	-3.2		
TIY	30.3	338	eP	10 32 24.0	-1.3		
			LE	M <sub>s</sub> =4.4	12.0	0.36	
			LZ	M <sub>s</sub> =4.5	17.0	0.84	
BJI	31.3	345	eP	10 32 32.5	-1.1		
			eS	10 37 36.0	-1.8		
SNY	31.8	356	eP	10 32 41.3	3.0		
LZH	33.1	325	eP	10 32 48.0	-1.4		
			LE	M <sub>s</sub> =4.6	13.0	0.50	
			LZ	M <sub>s</sub> =4.4	16.0	0.63	
HHC	33.4	339	eP	10 32 51.2	-1.2		
BTO	33.7	337	eP	10 32 55.4	0.1		
MDJ	34.6	4	eP	10 33 07.0	4.3		
GTA	37.7	325	eP	10 33 27.6	-1.0		
			LE	M <sub>s</sub> =4.7	15.0	0.63	
			LZ	M <sub>s</sub> =4.5	18.0	0.74	
WMQ	47.5	322	eP	10 34 51.5	3.0		
			sP	10 34 58.0	-1.6		
			LZ	M <sub>s</sub> =5.0	12.0	0.92	
DEC 18d 13h 32m 09.0 ± 0.10s, SD2.30 / 28							





40.29 N ± 1.39km, 74.02 E ± 1.28km, h34 ± 0.72km  
Tadzhikistan-Xinjiang border region (719)  
M<sub>S</sub>4.6 / 1, M<sub>L</sub>4.3 / 4,

KSH	1.7	117	-Pg	13 32 39.4	0.4		
			Sg	13 33 02.0	0.2		
			SMN		M <sub>L</sub> = 4.1	0.5	2.40
			SME			0.5	2.20
WMQ	10.8	66	P	13 34 43.2	-1.0		
			eS	13 36 40.0	-4.6		
			LN		M <sub>S</sub> = 4.6	6.0	0.80
			LE			5.0	1.10
			LZ		M <sub>S</sub> = 4.0	12.0	0.90
GTA	19.8	84	eP	13 36 37.7	-2.1		
			LZ		M <sub>S</sub> = 4.0	14.0	0.44
LZH	23.8	91	eP	13 37 21.0	1.3		
			LZ		M <sub>S</sub> = 4.1	15.0	0.44
WHN	34.0	94	eP	13 38 50.5	-1.8		

DEC 18d 14h 24m 35.7 ± 0.09s, SD1.01 / 51  
10.24 N ± 0.93km, 127.03 E ± 1.84km, h31 ± 0.16km  
Mindanao (259)  
M<sub>S</sub>4.2 / 1, m<sub>b</sub>4.7 / 8,

QZN	18.8	300	eP	14 28 53.5	-1.4		
			eS	14 32 16.5	-3.5		
SSE	21.5	346	P	14 29 24.2	0.5		
			sS	14 33 29.0	0.2		
NJ2	23.0	342	+P	14 29 40.0	1.0		
WHN	23.4	332	P	14 29 42.0	-1.0		
			sP	14 29 57.5	2.0		
			sS	14 34 02.0	-2.6		
GYA	25.1	313	eP	14 30 00.8	1.0		
XAN	28.9	328	+iP	14 30 34.5	-0.1		
CD2	29.8	317	eP	14 30 42.0	-0.7		
BJI	31.2	344	eP	14 30 54.5	-0.3		
			PMZ		m <sub>b</sub> = 4.7	2.0	0.028
SNY	31.6	355	eP	14 30 58.4	0.0		
LZH	33.2	324	-P	14 31 13.0	0.3		
			PMZ		m <sub>b</sub> = 5.5	2.0	0.14
			sP	14 31 23.5	-1.7		
			LZ		M <sub>S</sub> = 4.2	15.0	0.34
BTO	33.8	336	eP	14 31 15.1	-2.3		
MDJ	34.3	3	eP	14 31 22.0	0.1		
GTA	37.8	325	-iP	14 31 52.2	0.4		
			PMZ		m <sub>b</sub> = 5.4	1.4	0.10
WMQ	47.7	322	P	14 33 12.0	0.0		

DEC 18d 16h 12m 46.6 ± 0.22s, SD2.22 / 32  
7.92 N ± 3.29km, 127.11 E ± 3.14km, h33 ± 0.16km  
Mindanao (259)  
M<sub>S</sub>4.7 / 1, m<sub>b</sub>4.9 / 2,

QZN	20.1	305	eP	16 17 21.0	0.7		
			eS	16 21 05.0	5.6		
			LN		M <sub>S</sub> = 4.7	15.0	1.20
			LE			15.0	1.10
GYA	26.8	316	P	16 18 21.2	-4.8		
XAN	30.9	330	P	16 19 01.2	-2.0		
BJI	33.4	345	P	16 19 23.5	-1.5		
			eS	16 24 48.0	4.5		
			LZ		M <sub>S</sub> = 4.2	12.0	0.30
SNY	33.9	355	-iP	16 19 30.6	1.6		
CN2	35.8	358	eP	16 19 42.0	-2.9		
			pP	16 19 50.0	-4.1		
MDJ	36.6	3	eP	16 19 54.5	2.4		
			pP	16 20 05.7	4.4		
GTA	39.8	326	eP	16 20 18.8	0.1		
WMQ	49.6	323	P	16 21 37.8	0.7		
			sP	16 21 49.0	-1.2		
			eS	16 28 46.0	3.9		

LZ M<sub>S</sub> = 4.7 15.0 0.69

DEC 18d 16h 31m 47.0 ± 0.09s, SD1.64 / 21  
7.97 N ± 1.02km, 127.20 E ± 1.41km, h41 ± 0.84km  
Mindanao (259)

QZN	20.1	305	eP	16 36 21.5	1.1		
			eS	16 40 02.0	2.8		
WHN	25.5	334	eP	16 37 12.5	-0.8		
XAN	30.9	330	eP	16 38 00.5	-2.2		
SNY	33.9	355	eP	16 38 27.4	-0.8		
LZH	35.2	326	eP	16 38 40.0	0.3		
			LZ		M <sub>S</sub> = 4.3	17.0	0.44
MDJ	36.6	3	eP	16 38 51.0	-0.2		
			pP	16 39 03.0	1.1		

DEC 18d 17h 09m 33.9 ± 0.09s, SD0.89 / 46  
15.20 S ± 0.94km, 167.48 E ± 1.60km, h132 ± 0.61km  
Vanuatu (New Hebrides) (186)  
m<sub>b</sub>4.8 / 8,

WHN	68.4	312	-P	17 20 23.5	-0.4		
			pP	17 20 53.5	-2.1		
MDJ	68.8	332	eP	17 20 26.0	-0.3		
CN2	70.1	329	+P	17 20 33.8	-0.8		
GYA	72.1	305	P	17 20 47.0	0.3		
BJI	72.8	321	eP	17 20 50.0	-0.1		
			PMZ		m <sub>b</sub> = 4.8	1.0	0.015
			epP	17 21 20.0	-2.1		
TIY	73.7	317	-iP	17 20 56.4	0.4		
XAN	74.2	313	P	17 20 58.0	-0.4		
KMI	74.7	302	eP	17 21 02.5	0.7		
			PMZ		m <sub>b</sub> = 5.4	1.5	0.11
			pP	17 21 33.5	-0.3		
			S	17 30 30.0	5.5		
HHC	76.1	320	-P	17 21 10.0	0.7		
CD2	76.5	308	eP	17 21 11.3	-0.1		
BTO	76.9	319	eP	17 21 14.5	0.5		
LZH	78.8	312	+P	17 21 24.5	0.1		
			PMZ		m <sub>b</sub> = 5.3	1.5	0.083
GTA	83.1	314	+iP	17 21 47.5	0.2		
			PMZ		m <sub>b</sub> = 5.2	1.2	0.050
WMQ	93.2	314	P	17 22 35.0	-0.3		

DEC 19d 07h 03m 17.3 ± 0.13s, SD1.16 / 83  
8.02 N ± 1.79km, 126.88 E ± 1.85km, h38 ± 0.06km  
Mindanao (259)  
M<sub>S</sub>5.2 / 39, m<sub>b</sub>5.7 / 16, m<sub>b</sub>5.2 / 19,

QZH	18.6	336	P	07 07 33.0	-0.8		
			PMZ		m <sub>B</sub> = 5.5	8.0	2.10
			S	07 10 54.0	-1.9		
			LZ		M <sub>S</sub> = 4.7	18.0	3.03
QZN	19.8	305	P	07 07 48.0	0.1		
			S	07 11 22.5	-0.9		
			sS	07 11 38.0	0.7		
			LN		M <sub>S</sub> = 5.3	15.0	4.49
			LE			15.0	5.03
SSE	23.6	348	+iP	07 08 25.0	-0.5		
			PMZ		m <sub>b</sub> = 5.2	1.6	0.18
			PMZ		m <sub>B</sub> = 5.8	6.0	2.51
			eS	07 12 30.0	-3.7		
			LN		M <sub>S</sub> = 5.1	10.0	1.23
			LE			12.0	2.32
			LZ		M <sub>S</sub> = 4.7	20.0	2.39
NJ2	25.1	344	+iP	07 08 40.0	0.1		
			S	07 12 54.0	-4.3		
			LZ		M <sub>S</sub> = 4.6	20.0	1.83
WHN	25.3	334	eP	07 08 40.5	-1.7		
			sP	07 09 01.0	4.6		
			eS	07 13 00.0	-3.1		





		LN		$M_s = 5.2$	14.0	2.82			PMZ	$m_b = 4.9$	10.8	0.016
		LE			14.0	1.31			PMZ	$m_B = 5.7$	6.0	0.80
		LZ		$M_s = 4.8$	20.0	3.01			pP	07 10 27.0	2.6	
GYA	26.6 316	P	07 08	56.0	1.9				PP	07 11 34.0	-0.7	
		ScP	07 15	56.8	3.8				eS	07 15 45.0	-2.4	
		LN		$M_s = 5.4$	14.0	2.70			SMN	$m_B = 5.6$	10.0	1.00
		LE			14.0	3.50			SME		10.0	0.60
		LZ		$M_s = 5.0$	16.0	3.30			ScP	07 16 21.0	-2.2	
KMI	28.6 309	eP	07 09	13.0	0.0				SS	07 18 04.0	-4.1	
		pP	07 09	27.0	4.3				LE	$M_s = 5.1$	12.0	1.30
		PP	07 10	11.0	6.0				LZ	$M_s = 4.9$	17.0	1.80
		S	07 13	55.0	-1.4		BTO	35.8 338	P	07 10 14.5	-0.6	
		sS	07 14	18.0	3.7				pP	07 10 28.5	3.3	
		SS	07 15	21.0	-2.9				PP	07 11 37.0	1.2	
		LN		$M_s = 5.2$	14.0	2.00			S	07 15 47.0	-0.9	
		LE			15.0	1.90			eSS	07 18 11.0	0.8	
TIA	29.4 344	eP	07 09	19.1	-0.9				LN	$M_s = 5.3$	15.0	1.30
		eS	07 14	12.9	2.6				LE		15.0	2.10
		LN		$M_s = 5.0$	11.0	1.10	MDJ	36.5 3	+P	07 10 22.5	0.9	
		LE			11.0	0.80			pP	07 10 30.0	-1.7	
		LZ		$M_s = 4.8$	14.0	1.40			S	07 16 03.0	3.1	
XAN	30.7 330	P	07 09	29.6	-2.0				sS	07 16 16.0	-2.0	
		LE		$M_s = 5.0$	14.0	1.39			SS	07 18 32.0	4.7	
DL2	31.1 352	+P	07 09	35.0	0.2				LE	$M_s = 5.2$	10.0	1.27
		PMZ		$m_b = 5.7$	1.0	0.13			LZ	$M_s = 4.9$	20.0	2.21
		PMZ		$m_B = 5.8$	5.0	0.85	GTA	39.6 326	+P	07 10 47.0	-0.1	
		S	07 14	40.0	4.2				PP	07 12 22.0	-0.1	
		SMN		$m_B = 5.7$	6.0	0.56			LE	$M_s = 5.3$	17.0	2.63
		SME			6.0	0.83			LZ	$M_s = 5.1$	17.0	2.34
		LN		$M_s = 5.2$	12.0	1.70	LSA	39.8 308	P	07 10 51.5	1.8	
		LE			7.0	0.60			S	07 16 56.0	5.9	
		LZ		$M_s = 4.8$	16.0	1.68			SMN	$m_B = 5.4$	4.0	0.30
CD2	31.4 320	eP	07 09	36.0	-1.3		WMQ	49.4 323	P	07 12 06.0	0.4	
		eS	07 14	42.0	1.0				PMZ	$m_B = 5.7$	8.0	0.83
		LN		$M_s = 5.4$	12.5	2.95			sP	07 12 24.0	3.9	
		LZ		$M_s = 4.9$	17.0	2.25			SMN		3.0	0.11
TIY	32.3 338	eP	07 09	44.8	-0.8				LZ	$M_s = 5.3$	16.0	2.77
		S	07 14	59.5	4.7		KSH	55.2 313	eP	07 12 51.0	1.5	
		LE		$M_s = 5.2$	12.0	1.96			eS	07 20 30.0	1.1	
BJI	33.3 345	eP	07 09	54.0	0.2				LE	$M_s = 5.6$	12.0	2.00
		PMZ		$m_b = 5.6$	1.5	0.13	DEC 19d 07h 27m $54.8 \pm 0.14s$ , $SD1.65 / 64$ $8.05 N \pm 1.76km$ , $127.01 E \pm 2.81km$ , $h32 \pm 0.27km$ Mindanao ( $259$ ) $M_s 5.1 / 12$ , $m_B 5.6 / 2$ , $m_b 4.9 / 9$ ,					
		PMZ		$m_B = 5.5$	6.0	0.49	QZH	18.6 335	eP	07 32 11.0	-1.1	
		eS	07 15	10.0	-0.7				S	07 35 36.0	1.0	
		eScP	07 16	19.5	4.7				LZ	$M_s = 4.7$	16.0	2.97
		LE		$M_s = 5.1$	14.0	1.49	QZN	19.9 305	P	07 32 28.0	1.1	
		LZ		$M_s = 4.5$	22.0	0.92			S	07 36 05.0	1.2	
SNY	33.8 356	+iP	07 09	58.6	0.4				LN	$M_s = 5.3$	16.0	4.51
		PMZ		$m_b = 6.0$	1.2	0.26	SSE	23.6 347	P	07 33 05.0	1.4	
		PMZ		$m_B = 5.8$	7.0	1.07			pP	07 33 15.0	2.7	
		pP	07 10	13.0	4.6				S	07 37 11.0	-0.7	
		PP	07 11	13.0	1.8				sS	07 37 28.0	1.4	
		S	07 15	18.0	0.4				LE	$M_s = 4.9$	10.0	1.38
		LN		$M_s = 5.2$	14.0	1.24			LZ	$M_s = 4.7$	18.0	2.24
		LE			10.0	1.01	NJ2	25.1 343	eP	07 33 21.5	3.4	
		LZ		$M_s = 5.0$	20.0	2.78	WHN	25.3 334	eP	07 33 22.0	1.4	
LZH	35.0 326	+P	07 10	08.8	0.3				pP	07 33 34.0	4.7	
		PMZ		$m_b = 5.1$	1.5	0.050			S	07 37 40.0	-1.6	
		pP	07 10	20.0	1.5				LN	$M_s = 5.2$	20.0	4.72
		S	07 15	35.0	-0.8				LZ	$M_s = 4.6$	20.0	1.88
		PcS	07 16	27.5	2.3							
		LN		$M_s = 5.2$	14.0	1.99	KMI	28.7 309	-P	07 33 54.5	2.7	
		LZ		$M_s = 5.1$	17.0	2.73	TIA	29.4 344	eP	07 34 01.1	2.9	
HHC	35.4 340	P	07 10	12.0	-0.3		DL2	31.1 352	eP	07 34 12.8	-0.1	
		S	07 15	41.6	-1.2		CD2	31.4 319	eP	07 34 16.0	0.0	
		LN		$M_s = 5.2$	12.0	1.22						
		LE			12.0	0.78						
		LZ		$M_s = 4.9$	18.0	1.81						
CN2	35.7 358	+P	07 10	14.0	-0.2							





BJI	33.3	345	eP	07 34	30.5	-1.6			
			PMZ		$m_b = 4.9$		1.0	0.018	
			eS	07 39	51.0	1.4			
			ScP	07 40	57.0	2.9			
			eScS	07 44	57.0	3.6			
SNY	33.8	355	+iP	07 34	36.4	0.2			
			PMZ		$m_b = 5.4$		1.0	0.056	
			pP	07 34	45.6	0.3			
LZH	35.0	326	-P	07 34	49.5	2.5			
			PMZ		$m_b = 4.9$		1.5	0.033	
			pP	07 34	56.5	0.6			
			sP	07 35	03.0	3.3			
			LN		$M_s = 5.0$		15.0	1.30	
			LZ		$M_s = 5.0$		15.0	2.08	
CN2	35.6	358	eP	07 34	52.5	0.3			
			epP	07 35	02.5	1.3			
MDJ	36.5	3	eP	07 35	00.7	1.2			
			pP	07 35	11.5	3.0			
GTA	39.6	326	eP	07 35	24.2	-1.5			
			LE		$M_s = 5.2$		15.0	1.67	
			LZ		$M_s = 4.9$		18.0	1.47	
LSA	39.9	307	P	07 35	28.0	-0.6			
			eS	07 41	34.0	1.9			
			SMN		$m_b = 5.5$		4.0	0.31	
WMQ	49.4	323	eP	07 36	44.8	0.6			
			eS	07 43	50.0	1.7			
			LZ		$M_s = 5.0$		20.0	1.44	
KSH	55.3	313	eP	07 37	29.0	0.7			

NJ2	24.6	343	eP	09 49	12.5	-3.0			
			LZ		$M_s = 3.9$		20.0	0.37	
WHN	24.9	333	eP	09 49	19.0	0.6			
			sP	09 49	35.0	3.0			
			S	09 53	34.0	-2.1			
GYA	26.3	315	P	09 49	34.2	2.7			
XAN	30.4	329	P	09 50	10.0	1.8			
DL2	30.7	352	eP	09 50	12.3	1.9			
CD2	31.1	319	eP	09 50	15.3	0.6			
TIY	31.9	338	eP	09 50	24.1	2.2			
BJI	32.9	345	eP	09 50	29.0	-0.8			
SNY	33.3	355	+P	09 50	33.6	-0.2			
			PMZ		$m_b = 5.1$		1.0	0.030	
			sP	09 50	52.4	4.7			
LZH	34.7	326	-P	09 50	47.5	2.1			
			PMZ		$m_b = 5.0$		1.0	0.026	
			LE		$M_s = 4.5$		14.0	0.36	
			LZ		$M_s = 4.5$		17.0	0.73	
HHC	35.0	339	P	09 50	48.0	-0.6			
CN2	35.2	358	eP	09 50	50.4	0.6			
MDJ	36.0	3	+P	09 50	57.8	0.7			
			pP	09 51	08.6	1.8			
GTA	39.3	326	eP	09 51	22.6	-1.5			

DEC 19d 10h 30m  $48.4 \pm 0.07s$ , SD0.92 / 50  
 $8.37 N \pm 1.01km$ ,  $126.70 E \pm 1.73km$ ,  $h42 \pm 0.09km$   
 Mindanao (259)  
 $M_s 4.6 / 2$ ,  $m_b 4.8 / 10$ ,

DEC 19d 07h 34m  $03.0 \pm 0.14s$ , SD3.89 / 9  
 $39.06 N \pm 1.35km$ ,  $112.79 E \pm 1.16km$ ,  $h18 \pm 0.37km$   
 North-Eastern China (658)  
 $M_L 2.9 / 9$ ,

TIY	1.4	192	+iPg	07 34	27.9	0.3			
			Sg	07 34	45.0	-1.4			
			SMN		$M_L = 3.7$		1.0	0.89	
			SME				1.0	1.41	
HHC	2.0	333	Pn	07 34	41.7	4.8			
			Pg	07 34	42.4	3.6			
			Sg	07 35	10.2	3.7			
			SMN		$M_L = 3.3$		0.6	0.28	
			SME				0.8	0.21	
BTO	2.6	307	-iPg	07 34	52.4	2.7			
			Sg	07 35	28.6	3.0			
			SMN		$M_L = 2.8$		0.4	0.040	
			SME				0.4	0.060	
BJI	2.8	68	Pg	07 34	55.0	2.6			
			Sg	07 35	30.0	-0.6			
			SMN		$M_L = 2.9$		0.5	0.050	
			SME				0.5	0.052	
TIA	4.5	128	ePg	07 35	21.9	0.0			
			eSg	07 36	20.1	-2.7			
			SMN		$M_L = 2.8$		0.6	0.021	
			SME				0.6	0.011	

SSE	23.2	348	P	10 35	54.0	1.5			
			PMZ		$m_b = 4.7$		1.0	0.034	
			sP	10 36	08.6	0.8			
			eS	10 39	58.0	0.8			
			esS	10 40	11.0	-3.8			
			LZ		$M_s = 4.3$		20.0	1.01	
WHN	24.9	334	eP	10 36	10.0	0.8			
			eS	10 40	28.0	1.2			
			LE		$M_s = 4.7$		14.0	0.98	
XAN	30.3	330	P	10 36	57.0	-1.8			
DL2	30.7	352	eP	10 37	02.7	0.5			
TIY	31.9	338	eP	10 37	10.9	-2.0			
BJI	32.9	345	eP	10 37	21.0	-0.2			
			PMZ		$m_b = 5.1$		1.0	0.030	
SNY	33.4	356	+iP	10 37	26.2	0.4			
			PMZ		$m_b = 5.4$		1.2	0.079	
			pP	10 37	36.6	0.0			
LZH	34.6	326	eP	10 37	35.0	-0.8			
			PMZ		$m_b = 5.0$		1.5	0.033	
			LN		$M_s = 4.5$		15.0	0.43	
			LZ		$M_s = 4.4$		18.0	0.69	
HHC	35.0	340	P	10 37	39.0	-0.7			
CN2	35.3	358	eP	10 37	41.8	-0.1			
			sP	10 37	55.6	-1.9			
			eS	10 43	10.0	-2.2			
			LZ		$M_s = 4.3$		15.0	0.40	
BTO	35.4	338	eP	10 37	42.6	0.1			
MDJ	36.2	3	+P	10 37	50.0	0.6			
			pP	10 38	01.6	1.3			
GTA	39.2	326	+iP	10 38	14.1	-0.4			
			LZ		$M_s = 4.5$		16.0	0.58	
WMQ	49.0	323	eP	10 39	33.5	0.2			
			sP	10 39	47.0	-1.9			
			eS	10 46	34.0	0.6			
			LZ		$M_s = 4.7$		20.0	0.72	
KSH	54.9	313	eP	10 40	18.0	0.5			

DEC 19d 13h 41m  $28.9 \pm 0.14s$ , SD1.46 / 67  
 $7.79 N \pm 1.49km$ ,  $127.06 E \pm 2.20km$ ,  $h44 \pm 0.65km$   
 Mindanao (259)

DEC 19d 09h 43m  $56.7 \pm 0.17s$ , SD1.72 / 60  
 $8.51 N \pm 2.23km$ ,  $127.04 E \pm 2.40km$ ,  $h36 \pm 0.06km$   
 Mindanao (259)  
 $M_s 4.6 / 2$ ,  $m_b 4.9 / 6$ ,

QZN	19.7	304	P	09 48	26.7	0.8			
			eS	09 52	01.0	0.2			
			LN		$M_s = 4.8$		15.0	2.18	
SSE	23.1	347	P	09 49	02.0	1.1			
			PMZ		$m_b = 4.7$		1.0	0.037	
			pP	09 49	10.0	-0.2			
			S	09 53	11.0	5.9			
			sS	09 53	25.0	3.7			
			LZ		$M_s = 4.3$		20.0	1.01	







DL2	31.0	352	LN	$M_s = 6.7$	16.0	53.8	LSA	39.7	307	sP	00 15 57.5	-3.5				
			LE		16.0	72.8				PP	00 17 30.0	4.9				
			+P	00 14 40.0	1.7					S	00 21 44.0	-6.6				
			PMZ	$m_b = 6.4$	1.2	0.80				LE	$M_s = 6.7$	17.0			63.2	
			PMZ		14.0	3.73				LZ	$M_s = 6.5$	16.0			55.4	
			S	00 19 40.0	0.1					+P	00 15 55.8	2.2				
			SMN	$m_B = 6.7$	11.0	8.58				pP	00 16 05.0	4.7				
CD2	31.3	319	SME		10.0	13.2	WMQ	49.2	323	PcP	00 17 57.0	-2.4				
			LN	$M_s = 6.6$	15.0	63.6				S	00 21 58.0	2.9				
			LE		14.0	15.3				SME	$m_B = 6.5$	7.0			5.78	
			eP	00 14 39.0	-2.0					LN	$M_s = 6.3$	15.0			13.8	
			PMZ		20.0	5.18				LE		15.0			17.6	
			S	00 19 41.5	-3.1					LZ	$M_s = 6.1$	14.0			20.7	
			LE	$M_s = 6.7$	13.0	69.9				P	00 17 09.5	0.1				
TIY	32.2	338	+P		00 14 48.0	-1.1	KSH	55.1	313	S	00 24 18.0	5.8				
			iS		00 20 01.0	0.9				SMN	$m_B = 6.6$	9.0			7.40	
			SS		00 21 50.0	-3.0				LN	$M_s = 7.0$	17.0			67.3	
			LN	$M_s = 6.6$	13.0	53.2				LE		18.0			61.5	
			LE		20.0	37.3				-iP	00 17 53.5	-0.1				
			LZ	$M_s = 6.4$	20.0	72.0				PP	00 20 02.0	4.6				
			eP	00 14 57.0	-0.3					LN	$M_s = 7.0$	16.0			73.0	
BJI	33.1	345	PMZ	$m_b = 6.2$	1.0	0.38				LZ	$M_s = 6.9$	16.0	78.0			
			PMZ	$m_B = 6.5$	6.0	4.20										
			S	00 20 14.0	0.0											
			LN	$M_s = 6.4$	14.0	24.9										
			LE		12.0	21.2										
			-iP	00 15 01.5	-0.2											
			SMN	$m_B = 6.9$	10.0	12.5										
SNY	33.6	356	SME		10.0	20.9	SSE	23.4	348	P	00 33 40.5	0.5				
			LN	$M_s = 6.6$	14.5	38.1				PMZ	$m_b = 4.6$	1.0			0.028	
			LE		12.5	25.4				sP	00 33 52.0	-0.9				
			LZ	$M_s = 6.3$	17.0	49.8				eP	00 35 07.0	-1.6				
			+P	00 15 11.5	-0.6					PMZ	$m_b = 4.8$	1.0			0.015	
			PMZ	$m_b = 5.8$	1.5	0.23				-iP	00 35 13.0	0.0				
			PMZ		20.0	6.65				PMZ	$m_b = 5.4$	1.0			0.060	
LZH	34.8	326	PP		00 16 24.0	-5.0	MDJ	36.4	3	pP	00 35 24.0	1.8				
			ScS		00 25 24.5	-4.9				-P	00 35 37.0	0.5				
			LN	$M_s = 7.1$	19.0	165										
			LE		18.0	87.5										
			+P	00 15 15.9	0.0											
			PP	00 16 35.8	1.2											
			S	00 20 51.0	4.0											
HHC	35.3	340	SMN	$m_B = 6.8$	10.0	14.7	SSE	23.3	347	P	00 42 29.6	0.7				
			SME		10.0	14.7				PMZ	$m_b = 4.5$	1.0			0.023	
			LN	$M_s = 6.7$	15.0	46.3				sP	00 42 44.0	2.6				
			LE		14.0	42.4				eP	00 42 46.0	-0.2				
			+P	00 15 20.0	2.2					eP	00 43 56.0	-1.7				
			PMZ	$m_b = 5.9$	1.2	0.24				+iP	00 44 02.5	0.7				
			S	00 20 47.0	-3.8					PMZ	$m_b = 5.3$	1.2			0.063	
CN2	35.5	358	SMN		16.0	4.80	CN2	35.3	358	eP	00 44 12.0	1.4				
			SME		16.0	13.3				eP	00 44 17.0	-0.8				
			PcS	00 21 32.0	-0.3					eP	00 44 26.0	0.9				
			ScS	00 25 36.0	2.9					-P	00 44 50.4	-1.3				
			LN	$M_s = 6.1$	12.0	12.3										
			LZ	$M_s = 6.2$	18.0	35.4										
			+iP	00 15 18.5	-0.2											
BTO	35.6	338	PP		00 16 40.5	2.1	QZH	18.4	335	eP	00 55 30.0	1.1				
			S		00 20 49.5	-2.7				GZH	19.7 320	P			00 55 43.8	-0.1
			SS		00 23 15.0	2.9				QZN	19.7 304	-iP			00 55 45.4	0.8
			LN	$M_s = 6.7$	14.0	27.3				SSE	23.3 347	P			00 56 22.0	1.2
			LE		14.0	49.3				PMZ	$m_b = 5.1$	1.0			0.084	
			-iP	00 15 25.7	0.6					NJ2	24.8 343	+P			00 56 36.0	0.7
			SS		00 23 32.0	2.4				WHN	25.1 334	eP			00 56 38.5	0.6
MDJ	36.4	3	LN	$M_s = 6.5$	13.0	20.6	GYA	26.4	316	pP	00 56 49.5	1.8				
			LE		16.0	34.9				P	00 56 50.6	0.1				
			LZ	$M_s = 6.1$	25.0	40.3				ScP	01 03 55.0	4.6				
			+iP	00 15 50.8	0.0					-P	00 57 10.0	0.3				
			PMZ	$m_B = 6.3$	7.0	3.65										
GTA	39.4	326					KMI	28.5	309							

DEC 20d 00h 28m 33.0 ± 0.07s, SD1.03 / 18  
8.19 N ± 0.69km, 126.80 E ± 2.23km, h33 ± 0.34km  
Mindanao (259)  
 $m_b 5.1 / 5,$

DEC 20d 00h 37m 22.8 ± 0.10s, SD1.29 / 31  
8.35 N ± 1.45km, 127.00 E ± 2.28km, h31 ± 0.22km  
Mindanao (259)  
 $m_b 5.1 / 7,$

DEC 20d 00h 51m 15.0 ± 0.09s, SD1.10 / 70  
8.30 N ± 1.52km, 126.97 E ± 1.81km, h38 ± 0.19km  
Mindanao (259)  
 $m_b 5.2 / 14,$







Mindanao (259)  
m<sub>b</sub>4.3 / 2,

WHN	25.1	333	eP	07 15 32.0	-0.7		
BJI	33.1	345	eP	07 16 42.5	-1.5		
SNY	33.5	355	+P	07 16 48.2	0.3		
			sP	07 17 00.6	-1.8		
CN2	35.4	358	eP	07 17 05.0	1.2		
MDJ	36.2	3	eP	07 17 12.5	1.5		
			pP	07 17 22.5	1.3		
GTA	39.5	326	eP	07 17 36.6	-1.6		

DEC 20d 07h 22m 58.1 ± 0.09s, SD0.87 / 31  
51.51 N ± 0.33km, 175.80 W ± 0.68km, h55 ± 0.93km  
Andreanof Islands (7)  
m<sub>b</sub>4.8 / 4,

TIA	49.0	279	+P	07 31 42.0	0.2		
SSE	49.9	271	eP	07 31 50.0	1.5		
			PMZ		m <sub>b</sub> = 4.9	1.0	0.014
			sP	07 32 07.0	-0.8		
NJ2	50.7	274	-P	07 31 55.0	0.4		
TIY	50.9	284	eP	07 31 57.0	0.6		
WHN	54.5	276	-P	07 32 23.7	0.5		
			sP	07 32 41.5	-1.2		
XAN	55.5	283	eP	07 32 29.6	-0.6		
GYA	62.2	278	P	07 33 16.8	0.0		

DEC 20d 07h 38m 41.4 ± 0.11s, SD1.37 / 45  
7.40 N ± 1.32km, 126.95 E ± 1.61km, h73 ± 0.98km  
Mindanao (259)  
M<sub>s</sub>4.9 / 5, m<sub>b</sub>5.0 / 2,

QZN	20.2	306	-P	07 43 14.5	1.1		
			eS	07 46 55.5	3.6		
			SS	07 47 22.0	-2.3		
			LE		M <sub>s</sub> = 5.0	15.5	3.51
SSE	24.2	348	eP	07 43 50.5	-1.8		
			eS	07 48 04.0	1.3		
			LE		M <sub>s</sub> = 4.5	11.0	0.52
			LZ		M <sub>s</sub> = 4.5	20.0	1.47
WHN	25.9	334	eP	07 44 09.0	0.6		
			pP	07 44 25.0	0.1		
			LN		M <sub>s</sub> = 5.0	20.0	1.89
			LE			20.0	2.41
			LZ		M <sub>s</sub> = 4.4	20.0	1.13
BJI	33.9	345	eP	07 45 19.0	-0.8		
SNY	34.4	356	eP	07 45 24.8	0.7		
			S	07 50 52.0	6.6		
			LZ		M <sub>s</sub> = 4.6	18.0	0.95
LZH	35.5	327	eP	07 45 36.3	2.5		
			LE		M <sub>s</sub> = 4.9	15.0	1.10
			LZ		M <sub>s</sub> = 4.8	17.0	1.56
CN2	36.3	358	-P	07 45 40.0	0.0		
			eS	07 51 20.0	5.0		
			ScP	07 51 45.0	3.0		
			LZ		M <sub>s</sub> = 4.6	16.0	0.90
MDJ	37.1	3	eP	07 45 48.2	0.9		
GTA	40.1	327	eP	07 46 11.6	-0.6		
WMQ	49.9	323	P	07 47 31.0	0.9		
			eS	07 54 39.0	5.2		
			LZ		M <sub>s</sub> = 5.0	16.0	1.39

DEC 20d 08h 35m 19.7 ± 0.11s, SD1.10 / 92  
8.25 N ± 1.58km, 126.83 E ± 1.63km, h39 ± 0.07km  
Mindanao (259)  
M<sub>s</sub>5.8 / 53, m<sub>b</sub>5.9 / 24, m<sub>b</sub>5.4 / 21,

QZH	18.4	336	eP	08 39 32.0	-1.4		
			pP	08 39 41.0	-0.8		
			S	08 42 51.5	-1.6		
			sS	08 43 04.0	-3.2		

			LN		M <sub>s</sub> = 5.6	15.5	15.7
			LZ		M <sub>s</sub> = 5.5	17.0	17.3
GZH	19.6	320	eP	08 39 48.0	0.0		
			S	08 43 26.0	4.6		
			LN		M <sub>s</sub> = 5.7	13.0	5.80
			LE			13.0	14.3
			LZ		M <sub>s</sub> = 5.4	15.0	13.3
QZN	19.7	305	+P	08 39 49.0	0.6		
			PP	08 40 10.5	4.0		
			iS	08 43 23.5	0.7		
			LN		M <sub>s</sub> = 5.9	15.0	15.9
			LE			16.0	20.4
SSE	23.3	348	-P	08 40 27.0	1.4		
			PMZ		m <sub>b</sub> = 5.0	2.0	0.14
			PMZ		m <sub>b</sub> = 6.1	5.0	3.77
			pP	08 40 37.0	1.6		
			S	08 44 38.0	6.8		
			LN		M <sub>s</sub> = 5.6	10.0	4.27
			LE			10.0	4.50
			LZ		M <sub>s</sub> = 5.2	20.0	7.36
NJ2	24.8	344	+P	08 40 40.0	0.0		
			S	08 45 00.0	3.3		
			LN		M <sub>s</sub> = 5.6	10.0	2.30
			LE			12.0	6.41
			LZ		M <sub>s</sub> = 5.3	18.0	7.46
WHN	25.1	334	-P	08 40 43.5	1.1		
			PMZ		m <sub>b</sub> = 6.2	1.6	1.11
			pP	08 40 56.5	4.2		
			iS	08 45 06.0	4.4		
			LN		M <sub>s</sub> = 5.9	11.0	4.61
			LE			16.0	15.2
			LZ		M <sub>s</sub> = 5.2	20.0	7.53
GYA	26.4	316	P	08 40 55.0	0.4		
			pP	08 41 07.0	2.6		
			S	08 45 24.0	1.9		
			ScS	08 51 48.4	4.9		
			LN		M <sub>s</sub> = 6.0	14.0	13.1
			LE			14.0	13.5
			LZ		M <sub>s</sub> = 5.5	16.0	11.6
KMI	28.4	309	-P	08 41 14.0	0.3		
			sP	08 41 29.0	1.1		
			S	08 46 02.0	6.1		
			LE		M <sub>s</sub> = 5.7	13.0	8.30
TIA	29.2	344	-P	08 41 20.0	-0.3		
			S	08 46 06.5	-1.5		
			LN		M <sub>s</sub> = 5.7	8.0	1.70
			LE			8.0	4.90
			LZ		M <sub>s</sub> = 5.2	18.0	5.60
XAN	30.5	330	P	08 41 30.2	-1.8		
			S	08 46 35.0	6.3		
			LN		M <sub>s</sub> = 5.8	12.0	6.70
			LE			13.0	6.00
DL2	30.9	352	eP	08 41 36.7	1.6		
			PMZ		m <sub>b</sub> = 5.6	5.0	0.56
			eS	08 46 40.0	4.7		
			LN		M <sub>s</sub> = 5.8	15.0	9.16
			LE			12.0	2.00
			LZ		M <sub>s</sub> = 5.3	16.0	5.42
CD2	31.2	319	eP	08 41 36.6	-1.3		
			eS	08 46 39.0	-1.2		
			LN		M <sub>s</sub> = 6.0	15.0	14.7
			LZ		M <sub>s</sub> = 5.6	16.0	10.2
TIY	32.1	338	+P	08 41 45.4	-0.6		
			S	08 46 56.0	2.5		
			LN		M <sub>s</sub> = 5.8	13.0	7.30
			LZ		M <sub>s</sub> = 5.7	14.0	10.7
BJI	33.1	345	-P	08 41 54.0	-0.2		
			PMZ		m <sub>b</sub> = 5.8	1.2	0.17













HHC	35.2	340	eP	17 34 47.0	-0.3
CN2	35.4	358	eP	17 34 48.8	-0.1
MDJ	36.3	3	eP	17 34 57.7	1.4
GTA	39.4	326	-iP	17 35 21.5	-0.9
LSA	39.7	307	P	17 35 27.0	1.4
KSH	55.1	313	eP	17 37 24.0	-1.5

BJI	33.0	345	eP	20 24 42.0	-0.5
			PMZ	$m_b = 5.1$	10.0 0.88
			eS	20 29 59.0	3.6
			LE	$M_S = 4.8$	10.0 0.63
			LZ	$M_S = 4.6$	14.0 0.88
SNY	33.6	356	-iP	20 24 47.2	0.3
			PMZ	$m_b = 5.3$	1.2 0.060
			S	20 30 08.0	5.6
			SME	$m_b = 5.3$	8.5 0.62
			LN	$M_S = 4.9$	20.0 1.63

DEC 20d 19h 20m  $34.6 \pm 0.06s$ , SD0.72 / 19  
 8.28 N  $\pm 0.64km$ , 126.78 E  $\pm 0.70km$ , h67  $\pm 0.47km$   
 Mindanao (259)  
 $m_b 4.7 / 5$ ,

SSE	23.3	348	P	19 25 38.5	1.0
			PMZ	$m_b = 4.4$	1.0 0.017
BJI	33.0	345	eP	19 27 05.0	-1.0
			PMZ	$m_b = 4.7$	1.2 0.016
SNY	33.5	356	-iP	19 27 10.3	-0.1
			PMZ	$m_b = 5.2$	1.2 0.042
			pP	19 27 22.8	-3.5
CN2	35.4	358	+P	19 27 26.2	-0.2
MDJ	36.3	3	eP	19 27 34.5	0.6
GTA	39.3	326	eP	19 27 58.7	-0.5

HHC	35.2	340	eP	20 25 00.6	-0.4
			LN	$M_S = 5.0$	14.0 0.98
			LE		12.0 0.55
			LZ	$M_S = 4.7$	18.0 1.21
CN2	35.4	358	eP	20 25 02.4	-0.5
			eS	20 30 34.0	1.8
			LZ	$M_S = 4.7$	18.0 1.20
BTO	35.5	338	eP	20 25 03.0	-0.8
			S	20 30 36.0	3.3
			LN	$M_S = 4.9$	15.0 1.00
			LE		13.0 0.30

DEC 20d 20h 18m  $11.3 \pm 0.15s$ , SD1.34 / 74  
 8.26 N  $\pm 1.73km$ , 126.84 E  $\pm 1.90km$ , h70  $\pm 0.90km$   
 Mindanao (259)  
 $M_S 4.9 / 25$ ,  $m_b 5.3 / 3$ ,  $m_b 4.9 / 14$ ,

QZH	18.4	336	eP	20 22 22.0	-0.7
			S	20 25 42.0	0.7
			LN	$M_S = 4.6$	10.0 1.08
GZH	19.6	320	eP	20 22 35.4	-1.5
			eS	20 26 10.5	1.0
			LN	$M_S = 4.9$	13.0 2.10
QZN	19.7	305	P	20 22 37.1	-0.2
			S	20 26 12.0	2.4
			LE	$M_S = 5.0$	15.0 3.57
SSE	23.3	348	P	20 23 15.5	1.4
			PMZ	$m_b = 4.7$	1.2 0.039
			eS	20 27 22.0	3.9
			LN	$M_S = 4.8$	12.0 1.26
			LZ	$M_S = 4.6$	20.0 2.02
NJ2	24.8	344	eP	20 23 30.5	2.0
			LZ	$M_S = 4.4$	20.0 1.22
WHN	25.1	334	+P	20 23 32.5	1.6
			pP	20 23 42.0	-4.7
			eS	20 27 52.0	4.3
			LN	$M_S = 4.9$	12.0 1.05
			LE		13.0 0.84
			LZ	$M_S = 4.5$	20.0 1.38

MDJ	36.3	3	eP	20 25 11.5	1.2
			pP	20 25 24.2	-2.8
			S	20 30 50.0	5.3
			LZ	$M_S = 4.7$	15.0 0.96
GTA	39.3	326	+iP	20 25 36.0	0.1
			LE	$M_S = 5.0$	12.0 0.80
			LZ	$M_S = 4.8$	18.0 1.18
LSA	39.7	307	P	20 25 38.8	-0.1
WMQ	49.1	323	P	20 26 55.0	0.5
			eS	20 33 56.0	2.3
			LZ	$M_S = 5.0$	18.0 1.41
KSH	55.0	313	P	20 27 39.5	0.8
			eS	20 35 20.0	5.6

DEC 20d 21h 47m  $50.9 \pm 0.38s$ , SD2.08 / 10  
 36.51 N  $\pm 1.74km$ , 73.98 E  $\pm 3.32km$ , h5  $\pm km$   
 North-Western Kashmir (720)  
 $M_L 4.0 / 2$ ,

KSH	3.4	26	Pg	21 48 49.0	-1.6
			Sg	21 49 37.2	0.7
			SMN	$M_L = 4.3$	1.2 1.30
			SME		0.5 0.40
WMQ	12.8	51	P	21 50 55.0	-1.4
GTA	20.6	74	eP	21 52 35.2	1.7

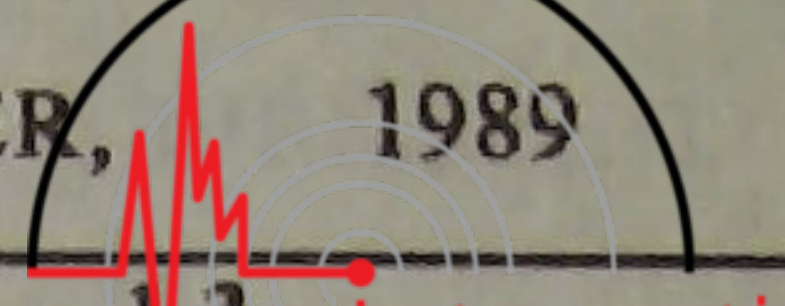
DEC 20d 22h 17m  $49.5 \pm 0.07s$ , SD1.28 / 37  
 36.20 N  $\pm 1.26km$ , 69.91 E  $\pm 1.17km$ , h141  $\pm 0.42km$   
 Hindu Kush region (718)

KSH	5.8	53	P	22 19 16.8	2.1
			S	22 20 21.5	1.4
			SMN		0.6 0.10
			SME		0.5 0.90
WMQ	15.6	55	-P	22 21 22.5	-0.6
			sP	22 22 01.0	-0.5
			S	22 24 15.0	3.8
GTA	23.8	73	+P	22 22 52.0	1.3
CD2	28.6	91	eP	22 23 35.5	0.5
XAN	31.8	82	P	22 24 06.0	2.4
GYA	32.7	97	eP	22 24 11.0	-0.1
TIY	33.8	74	eP	22 24 21.0	0.5
WHN	37.3	86	P	22 24 50.5	0.6
SNY	41.5	65	eP	22 25 26.2	1.5

DEC 20d 22h 55m  $54.5 \pm 0.13s$ , SD1.32 / 50  
 8.28 N  $\pm 1.38km$ , 126.81 E  $\pm 1.74km$ , h51  $\pm 0.72km$   
 Mindanao (259)  
 $M_S 4.5 / 2$ ,  $m_b 4.8 / 9$ ,

KMI	28.4	309	+P	20 24 02.0	-0.2
			S	20 28 47.0	4.8
			LE	$M_S = 4.9$	14.0 1.30
TIA	29.2	344	-P	20 24 07.8	-0.9
			S	20 29 00.0	5.8
			LN	$M_S = 4.8$	11.0 0.50
			LE		11.0 0.60
			LZ	$M_S = 4.4$	15.0 0.70
XAN	30.5	330	P	20 24 18.5	-1.9
DL2	30.9	352	eP	20 24 26.0	2.5
			S	20 29 27.0	6.5
			LN	$M_S = 5.3$	14.0 1.20
			LE		12.0 2.30
			LZ	$M_S = 4.7$	14.0 1.13
CD2	31.2	319	eP	20 24 24.0	-2.3
			eS	20 29 26.0	-0.3
			LN	$M_S = 5.1$	14.0 1.93
			LZ	$M_S = 4.7$	16.0 1.34
TIY	32.1	338	eP	20 24 33.5	-0.8
			S	20 29 45.5	5.9





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QZN	19.6	305	eP	23 00	19.0	-2.8		
			S	23 03	52.0	-2.2		
			LN		$M_s = 4.6$		16.0	1.40
SSE	23.3	348	P	23 01	00.0	1.1		
			PMZ		$m_b = 4.4$		1.0	0.017
			S	23 05	08.0	5.0		
			LE		$M_s = 4.4$		12.0	0.53
			LZ		$M_s = 4.3$		20.0	0.92
NJ2	24.8	344	+P	23 01	12.5	-0.8		
			eS	23 05	35.0	5.8		
XAN	30.5	330	P	23 02	02.5	-2.7		
TIY	32.1	338	eP	23 02	18.2	-1.0		
			S	23 07	28.0	2.7		
			LZ		$M_s = 4.0$		30.0	0.50
BJI	33.0	345	eP	23 02	27.0	-0.5		
			PMZ		$m_b = 4.9$		1.0	0.021
			eS	23 07	40.0	-1.1		
SNY	33.5	356	-iP	23 02	32.4	0.5		
			PMZ		$m_b = 5.4$		1.2	0.079
			pP	23 02	44.8	0.4		
LZH	34.7	326	eP	23 02	41.6	-0.6		
			LZ		$M_s = 4.5$		15.0	0.58
HHC	35.2	340	eP	23 02	45.8	-0.1		
CN2	35.4	358	eP	23 02	49.5	1.6		
BTO	35.5	338	eP	23 02	48.6	-0.2		
MDJ	36.3	3	eP	23 02	56.0	0.6		
			pP	23 03	10.0	2.1		
GTA	39.3	326	eP	23 03	20.7	-0.2		
WMQ	49.1	323	eP	23 04	40.0	0.5		

DEC 20d 23h 45m  $57.5 \pm 0.41s$ , SD2.68 / 36  
 $58.78 S \pm 5.10km$ ,  $25.21 W \pm 5.00km$ ,  $h36 \pm 2.33km$   
 South Sandwich Islands region (153)

KSH	128.2	75	ePKP	24 05	02.8	1.3		
WMQ	137.4	80	PKP	24 05	13.2	-5.5		
GTA	140.5	95	ePKP	24 05	19.8	-4.6		
WHN	140.7	118	ePKP	24 05	25.0	0.4		
SSE	144.2	126	ePKP	24 05	29.7	-0.8		
TIY	145.6	109	+PKP	24 05	34.6	1.4		
			sPKP	24 05	49.0	1.3		
BTO	146.6	103	ePKP	24 05	35.0	0.1		
TIA	146.7	116	ePKP	24 05	37.2	2.3		
HHC	147.6	104	ePKP	24 05	40.0	3.5		
BJI	149.3	110	ePKP	24 05	44.0	4.9		

DEC 21d 00h 33m  $59.6 \pm 0.26s$ , SD2.55 / 16  
 $55.36 S \pm 3.58km$ ,  $28.48 W \pm 3.83km$ ,  $h26 \pm 1.43km$   
 South Sandwich Islands region (153)

SSE	147.6	126	ePKP	00 53	42.0	1.9		
			pPKP	00 53	51.8	4.4		
TIA	149.8	115	-PKP	00 53	47.2	3.7		
BJI	152.1	108	ePKP	00 53	50.0	3.0		

DEC 21d 07h 43m  $21.6 \pm 0.07s$ , SD0.82 / 15  
 $8.82 N \pm 0.55km$ ,  $126.46 E \pm 0.51km$ ,  $h85 \pm 0.82km$   
 Mindanao (259)  
 $m_b 4.5 / 2$ ,

SSE	22.7	348	P	07 48	16.5	-0.5		
			PMZ		$m_b = 4.6$		1.0	0.028
			sP	07 48	44.0	-2.2		
BJI	32.4	345	eP	07 49	45.0	-0.9		
SNY	33.0	356	eP	07 49	50.6	-0.1		
MDJ	35.8	4	eP	07 50	14.7	0.1		

DEC 21d 08h 08m  $03.4 \pm 0.14s$ , SD1.19 / 71  
 $3.27 N \pm 2.43km$ ,  $96.35 E \pm 1.81km$ ,  $h20 \pm 0.22km$   
 Off west coast of Northern Sumatera (705)  
 $M_s 5.0 / 22$ ,  $m_b 5.0 / 9$ ,

QZN	20.5	39	-P	08 12	44.3	1.3		
			eS	08 16	27.0	0.3		
			sS	08 16	38.0	1.5		
			LN		$M_s = 5.0$		13.0	1.95
			LE				13.5	1.73
KMI	22.6	15	-P	08 13	05.0	0.6		
			sP	08 13	17.5	3.1		
			S	08 17	08.0	2.7		
			sS	08 17	18.0	0.8		
			LN		$M_s = 5.1$		12.0	2.70
GYA	25.1	22	+P	08 13	29.4	0.7		
			sP	08 13	42.0	3.2		
			S	08 17	44.4	-4.4		
			LN		$M_s = 5.0$		14.0	2.00
			LE				14.0	1.20
			LZ		$M_s = 4.5$		18.0	1.20
GZH	25.7	38	eP	08 13	35.8	1.8		
			eS	08 17	57.5	-1.6		
			LN		$M_s = 5.0$		10.0	0.80
			LE				11.0	1.37
			LZ		$M_s = 4.7$		12.0	1.36
LSA	26.7	350	-P	08 13	44.5	0.0		
CD2	28.4	13	P	08 13	57.4	-1.4		
			eS	08 18	40.0	-3.3		
			LE		$M_s = 5.0$		10.0	1.23
			LZ		$M_s = 4.6$		15.0	1.15
WHN	32.0	30	eP	08 14	32.0	0.8		
			pP	08 14	40.0	1.8		
			eS	08 19	40.0	-0.9		
			LN		$M_s = 5.1$		12.0	1.05
			LE				11.0	0.88
			LZ		$M_s = 4.8$		12.0	1.18
XAN	32.8	19	P	08 14	36.4	-1.5		
LZH	33.4	11	eP	08 14	42.5	-0.7		
			PMZ		$m_b = 5.3$		1.1	0.050
			LE		$M_s = 4.8$		15.0	0.80
			LZ		$M_s = 4.5$		17.0	0.80
GTA	36.1	5	-P	08 15	05.6	-1.0		
			LN		$M_s = 4.9$		10.0	0.65
			LZ		$M_s = 4.8$		14.0	1.17
TIY	37.3	21	eP	08 15	16.6	0.0		
			S	08 21	04.0	2.0		
			LN		$M_s = 5.3$		15.0	1.37
			LE				14.5	2.00
			LZ		$M_s = 5.1$		15.0	2.25
TIA	38.0	28	eP	08 15	21.7	-0.4		
			LN		$M_s = 5.1$		11.5	0.68
			LE				11.5	0.71
BTO	39.2	17	eP	08 15	32.0	-0.1		
			sP	08 15	44.5	2.1		
			LN		$M_s = 5.4$		13.0	2.40
			LE				12.0	0.80
HHC	39.8	18	P	08 15	38.0	0.2		
			LN		$M_s = 5.1$		14.0	1.09
			LE				11.0	0.35
			LZ		$M_s = 4.9$		16.0	1.43
KSH	40.6	335	eP	08 15	44.0	0.2		
BJI	40.8	23	eP	08 15	46.0	0.7		
			PMZ		$m_b = 5.1$		1.0	0.030
			eS	08 21	52.0	-3.0		
			LE		$M_s = 4.7$		12.0	0.45
			LZ		$M_s = 4.7$		12.0	0.60
WMQ	41.1	350	P	08 15	48.0	-0.1		
			pP	08 15	57.0	1.8		
			LZ		$M_s = 4.6$		16.0	0.69
DL2	42.3	30	eP	08 15	58.5	0.8		
SNY	45.5	29	eP	08 16	22.8	-0.8		
CN2	47.9	28	eP	08 16	42.0	-0.5		

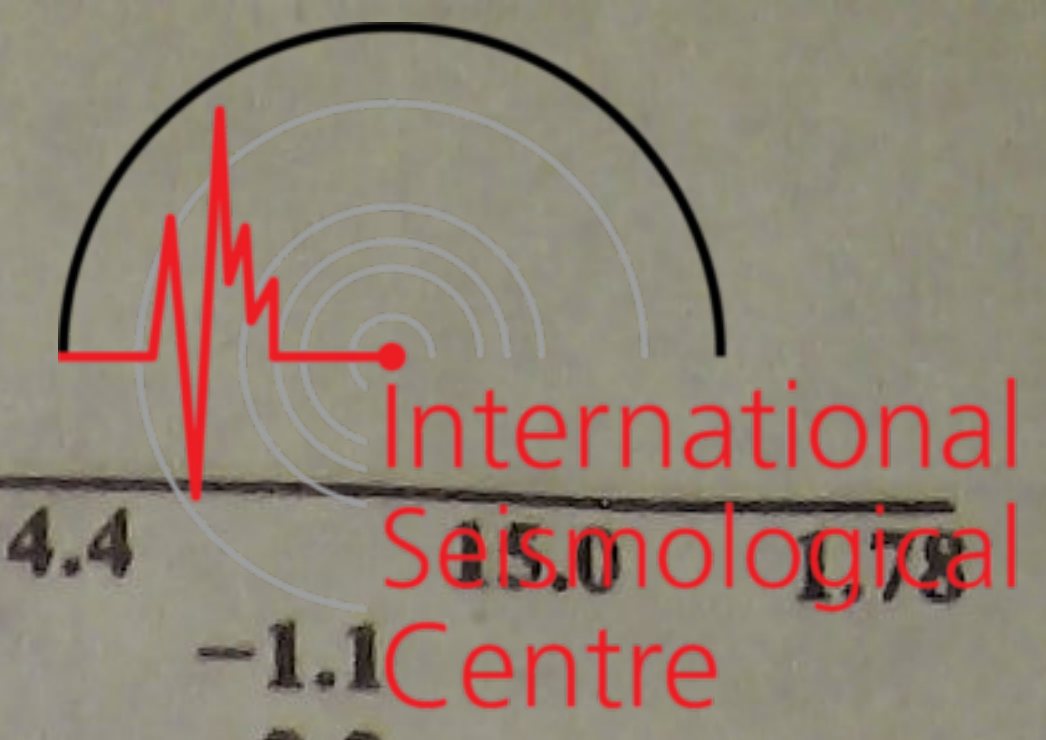






DL2	22.1 263	SME		11.0	4.46	QZH	32.6 242	S	17 00	34.0	-2.8		
		LN	$M_s = 5.7$	13.0	9.59			isS	17 01	02.0	4.5		
		LE		14.0	13.5			LN		$M_s = 5.7$	21.0	6.67	
		LZ	$M_s = 5.5$	20.0	21.3			LE		$M_s = 5.4$	15.0	7.44	
		+iP	16 54 06.0	1.0				LZ	16 55	42.0	0.2		
		PMZ	$m_b = 6.3$	1.6	2.10			+P	16 55	42.0	0.2	4.0	2.65
		PMZ	$m_B = 5.9$	6.0	3.92			PMZ		$m_b = 6.4$			
		S	16 58 01.0	1.3				pP	16 55	55.0	1.7		
		SMN	$m_B = 6.3$	10.0	7.89			S	17 00	52.0	-0.1		
		SME		10.0	5.64			LN		$M_s = 5.5$	16.0	2.86	
BJI	25.4 270	LE	$M_s = 5.4$	14.0	6.30	LE			16.0	3.53			
		LZ	$M_s = 5.3$	32.0	17.9	LZ		$M_s = 5.3$	30.0	8.58			
		cP	16 54 37.0	-0.7		XAN	33.4 265	+iP	16 55	47.6	-1.1		
		PMZ	$m_b = 5.8$	1.5	0.42	pP	16 56	00.0	-0.2				
		PMZ	$m_B = 6.2$	6.0	3.65	S	17 01	02.0	-2.3				
		eS	16 58 56.0	-2.8		LN		$M_s = 5.8$	14.0	6.51			
		ePcS	17 01 50.0	2.1		LE			15.0	6.15			
		eScS	17 05 32.0	1.7		LZH	35.9 272	+iP	16 56	11.0	0.5		
		LN	$M_s = 5.9$	16.0	6.03	PMZ		$m_b = 6.6$	1.0	1.15			
		LE		16.0	16.7	PMZ		$m_B = 6.4$	5.0	3.65			
TIA	26.5 262	LZ	$M_s = 5.8$	21.0	27.9	PP	16 57	35.0	3.2				
		+P	16 54 47.3	-0.3		cS	17 01	44.0	-0.7				
		S	16 59 16.5	1.0		SS	17 04	04.0	-3.4				
		LN	$M_s = 5.7$	17.0	6.26	LN		$M_s = 5.8$	15.0	7.00			
		LE		17.0	9.71	LE			20.0	6.30			
		LZ	$M_s = 5.3$	34.0	13.4	LZ		$M_s = 5.7$	28.0	19.6			
		+iP	16 54 49.8	0.5		GTA	37.2 279	+P	16 56	21.6	0.3		
		PMZ	$m_b = 6.3$	1.0	0.70	PMZ		$m_B = 6.1$	6.0	2.07			
		PMZ	$m_B = 6.2$	6.0	3.71	pP	16 56	29.0	-3.8				
		sP	16 55 06.0	0.3		sP	16 56	35.0	-2.9				
SSE	26.7 248	PcP	16 58 13.2	1.6		PP	16 57	48.0	-0.3				
		S	16 59 20.0	1.4		PcP	16 58	41.6	1.6				
		sS	16 59 44.0	5.2		S	17 02	00.0	-3.2				
		SS	17 00 36.0	3.8		PcS	17 02	30.6	3.5				
		LN	$M_s = 5.7$	16.0	7.61	LE		$M_s = 5.9$	14.0	8.85			
		LE		16.0	9.30	LZ		$M_s = 5.7$	17.0	11.7			
		LZ	$M_s = 5.6$	20.0	14.7	GZH	37.2 246	+P	16 56	22.0	0.4		
		+P	16 54 58.5	0.5		PMZ		$m_b = 6.4$	1.1	0.72			
		sP	16 55 17.0	2.6		PMZ		$m_B = 6.1$	7.0	2.25			
		S	16 59 38.0	4.1		pP	16 56	36.0	2.8				
NJ2	27.6 252	LN	$M_s = 5.9$	17.0	7.34	PP	16 57	51.6	2.7				
		LE		18.0	14.9	S	17 02	04.5	0.5				
		+P	16 55 04.8	0.0		LE		$M_s = 5.6$	16.0	5.56			
		S	16 59 48.0	2.2		LZ		$M_s = 5.6$	18.0	8.88			
		SMN	$m_B = 6.0$	10.0	2.08	CD2	38.7 265	+iP	16 56	34.0	-0.1		
		SME		11.0	4.14	pP	16 56	47.0	1.2				
		LN	$M_s = 6.1$	15.0	10.6	PP	16 58	06.0	-0.7				
		LE		15.0	21.0	S	17 02	26.5	-0.2				
		+iP	16 55 11.2	0.3		LN		$M_s = 5.8$	15.0	7.63			
		PMZ	$m_b = 6.0$	1.0	0.33	LZ		$M_s = 5.3$	32.0	7.17			
TIY	29.1 268	PMZ	$m_B = 6.1$	6.0	2.03	GYA	39.4 257	+P	16 56	40.0	0.1		
		pP	16 55 24.0	1.7		PMZ			3.0	2.70			
		sP	16 55 26.0	-1.4		sP	16 56	58.0	1.4				
		S	17 00 01.0	4.1		PP	16 58	16.0	1.5				
		sS	17 00 19.0	1.6		PcP	16 58	49.0	2.1				
		LE	$M_s = 5.7$	16.0	10.3	S	17 02	37.0	0.0				
		LZ	$M_s = 5.7$	20.0	17.6	ScS	17 06	43.4	2.5				
		+iP	16 55 16.0	0.7		LN		$M_s = 5.8$	18.0	4.30			
		PMZ	$m_b = 6.1$	4.0	1.47	LE			18.0	6.00			
		pP	16 55 30.0	3.3		LZ		$M_s = 5.1$	36.0	5.10			
BTO	29.6 275	PP	16 56 15.0	3.6		QZN	42.4 245	+iP	16 57	06.5	2.0		
		S	17 00 05.0	0.4		sP	16 57	23.0	1.7				
		LN	$M_s = 6.1$	15.0	12.0	S	17 03	21.5	0.0				
		LE		15.0	18.0	sS	17 03	47.0	4.5				
		+iP	16 55 32.7	-0.6		SS	17 06	30.0	3.3				
		PMZ	$m_b = 6.5$	0.7	0.53	LN		$M_s = 5.9$	22.0	9.70			
		PMZ	$m_B = 6.2$	6.0	2.22	LE			24.0	6.60			
		iPcP	16 58 27.0	3.0		KMI	43.0 258	+P	16 57	09.0	-0.4		





DEC 21d 22h 21m 11.7±0.16s, SD2.31 / 51 24.14 N±2.40km, 122.19 E±2.34km, h17±1.15km Taiwan (244) M <sub>S</sub> 4.4 / 12, M <sub>L</sub> 4.4 / 12, m <sub>b</sub> 4.9 / 4,					DEC 22d 00h 32m 47.0±0.08s, SD1.73 / 71 36.35 N±2.02km, 141.22 E±1.94km, h43±1.58km Near east coast of Honshu (228) M <sub>S</sub> 4.2 / 4, m <sub>b</sub> 4.7 / 5,								
	PMZ			3.0	3.20		LZ		M <sub>S</sub> =4.4				
	S	17 03	24.5	-5.2		CD2	17.7 296	eP	22 25	18.0	-1.1		
	sS	17 03	52.5	1.7		SNY	17.7 3	eP	22 25	21.3	2.2		
	LN		M <sub>S</sub> =5.7		18.0	5.30	HHC	18.9 334	eP	22 25	34.8	0.5	
WMQ	43.5 291	P	16 57	14.0	0.2			LN		M <sub>S</sub> =4.5	14.0	0.98	
	PMZ		m <sub>b</sub> =5.9		5.0	0.83		LZ		M <sub>S</sub> =4.4	16.0	1.43	
	PP	16 58	58.0	1.1			BTO	19.3 331	eP	22 25	39.0	-0.3	
	S	17 03	40.0	2.1				LN		M <sub>S</sub> =4.7	14.0	1.20	
	SMN				1.4	2.32		LE			14.0	0.90	
	SS	17 06	52.0	4.9			CN2	19.8 7	eP	22 25	47.0	2.6	
	LN		M <sub>S</sub> =6.2		15.0	6.80		pP	22 25	48.0	-2.3		
	LE				14.0	10.8		eS	22 29	22.0	0.5		
	LZ		M <sub>S</sub> =6.1		16.0	18.7		LZ		M <sub>S</sub> =4.5	14.0	1.30	
LSA	48.3 272	P	16 57	53.2	1.2		LZH	19.8 311	eP	22 25	43.5	-1.2	
	PMZ		m <sub>b</sub> =5.7		5.0	0.51		PMZ		m <sub>b</sub> =4.7	1.5	0.056	
	sP	16 58	08.5	0.2			GTA	24.3 314	eP	22 26	29.6	0.0	
	PP	16 59	46.5	3.7				LZ		M <sub>S</sub> =4.2	16.0	0.58	
	PcS	17 03	16.0	4.4			WMQ	34.3 313	eP	22 27	57.0	-3.2	
	S	17 04	50.0	4.0			KSH	41.7 303	P	22 29	02.5	0.3	
	sS	17 05	08.0	0.6									
KSH	53.3 292	-iP	16 58	30.6	0.8								
	pP	16 58	44.0	2.4									
	eS	17 05	56.0	-0.7									
	sS	17 06	20.0	3.1									
	LN		M <sub>S</sub> =6.5		15.0	12.9	MDJ	12.1 317	eP	00 35	42.5	2.8	
	LE				20.0	23.1	CN2	14.2 306	eP	00 36	08.0	0.8	
								pP	00 36	16.0	0.6		
								eS	00 38	46.0	2.5		
								LN		M <sub>S</sub> =4.1	13.0	0.60	
								LZ		M <sub>S</sub> =4.1	16.0	1.10	
							SNY	14.7 297	-iP	00 36	16.0	1.3	
								sP	00 36	30.8	2.2		
								eS	00 39	04.0	6.9		
								LZ		M <sub>S</sub> =4.3	20.0	1.81	
							DL2	15.7 285	eP	00 36	32.4	5.0	
								LE		M <sub>S</sub> =4.3	13.0	0.92	
								LZ		M <sub>S</sub> =4.1	18.0	0.96	
SSE	7.0 353	+P	22 22	53.0	-3.0		SSE	17.5 258	eP	00 36	52.5	3.3	
	PMZ		m <sub>b</sub> =5.1		0.8	0.10		pP	00 37	00.3	2.3		
	pP	22 23	00.0	-1.4				LZ		M <sub>S</sub> =4.3	20.0	1.38	
	eS	22 24	12.5	-3.2			NJ2	19.0 263	+P	00 37	08.0	0.2	
	SMN		M <sub>L</sub> =4.4		1.2	0.13		pP	00 37	16.2	-0.6		
	SME				1.2	0.18		LZ		M <sub>S</sub> =4.1	20.0	0.92	
	LN		M <sub>S</sub> =4.0		11.0	1.37	TIA	19.4 277	P	00 37	10.8	-1.9	
	LZ		M <sub>S</sub> =4.3		14.0	2.65	BJI	20.0 288	eP	00 37	16.5	-2.6	
GZH	8.2 264	eP	22 23	14.3	1.6		TIY	23.0 282	eP	00 37	48.0	-1.3	
	eS	22 24	41.5	-4.1				eS	00 41	57.0	4.6		
	SMN		M <sub>L</sub> =4.7		1.0	0.20		LE		M <sub>S</sub> =4.6	13.5	1.00	
	SME				1.1	0.20	WHN	23.1 263	-P	00 37	50.5	0.1	
NJ2	8.4 340	+P	22 23	13.0	-3.0			pP	00 38	00.0	-0.9		
	LN		M <sub>S</sub> =4.2		11.0	1.43		LZ		M <sub>S</sub> =4.1	20.0	0.63	
	LZ		M <sub>S</sub> =4.2		15.0	2.07	HHC	23.6 290	eP	00 37	54.0	-0.8	
WHN	9.4 314	eP	22 23	30.5	0.2			LZ		M <sub>S</sub> =4.3	18.0	0.97	
	pP	22 23	36.0	0.1			BTO	24.7 289	eP	00 38	09.0	2.9	
	S	22 25	13.5	-3.4			XAN	26.4 275	+iP	00 38	22.4	0.3	
	SMN				1.0	0.11	LZH	30.0 281	eP	00 38	55.0	0.3	
	SME				1.1	0.14		LZ			1.8	1.20	
	LN		M <sub>S</sub> =5.0		5.0	3.50	GYA	31.0 261	P	00 39	02.0	-0.9	
	LZ		M <sub>S</sub> =4.2		14.0	1.66		sP	00 39	15.0	-3.3		
GYA	14.2 283	P	22 24	35.0	-0.1		CD2	31.5 271	P	00 39	07.0	-0.8	
	S	22 27	17.0	4.0			GTA	32.6 288	eP	00 39	16.8	-0.7	
	SMN				1.6	0.15		LZ		M <sub>S</sub> =4.2	20.0	0.45	
	SME				1.6	0.11	KMI	34.7 262	+P	00 39	35.0	-0.6	
XAN	15.2 313	P	22 24	52.5	4.7		WMQ	41.0 297	P	00 40	29.5	1.3	
	LN		M <sub>S</sub> =4.4		10.0	0.65		PcP	00 42	29.0	1.7		
	LE				10.0	0.65		eS	00 46	41.0	3.7		
TIY	15.9 331	eP	22 24	58.5	1.8			LZ		M <sub>S</sub> =4.4	20.0	0.50	
	LN		M <sub>S</sub> =4.4		13.0	1.00	LSA	42.1 276	P	00 40	40.0	2.3	



KSH	50.6	295	P	00 41 46.0	1.8		
			eS	00 48 59.0	4.6		
DEC 22d 02h 01m 46.1 ± 0.06s, SD0.78 / 27 8.01 N ± 0.65km, 126.71 E ± 0.81km, h89 ± 0.54km Mindanao (259) m <sub>b</sub> 4.7 / 3,							
QZN	19.7	305	P	02 06 11.5	0.5		
			eS	02 09 43.5	0.2		
SNY	33.8	356	+P	02 08 21.9	0.0		
CN2	35.7	358	eP	02 08 38.0	0.1		
MDJ	36.6	3	eP	02 08 46.0	0.6		
GTA	39.5	327	eP	02 09 09.8	-0.1		

DEC 22d 04h 44m 12.4 ± 0.13s, SD1.98 / 18 8.46 N ± 1.57km, 127.05 E ± 2.58km, h32 ± 0.39km Mindanao (259)							
BJI	32.9	345	eP	04 50 46.0	-0.4		
SNY	33.4	355	+P	04 50 51.1	0.8		
MDJ	36.1	3	eP	04 51 12.0	-1.6		
GTA	39.3	326	eP	04 51 35.8	-4.8		

DEC 22d 08h 47m 27.4 ± 0.10s, SD1.13 / 42 12.42 S ± 1.78km, 166.70 E ± 2.26km, h38 ± 0.99km Santa Cruz Islands (184) m <sub>b</sub> 5.0 / 7,							
SSE	61.5	316	+P	08 57 42.5	-0.8		
			PMZ	m <sub>b</sub> = 5.2		1.0	0.028
NJ2	63.6	315	-P	08 57 58.0	0.3		
MDJ	66.0	332	eP	08 58 12.0	-0.9		
DL2	66.1	323	eP	08 58 13.4	-0.4		
			PMZ	m <sub>b</sub> = 5.5		1.0	0.063
CN2	67.4	329	P	08 58 21.0	-0.7		
GYA	70.0	304	P	08 58 37.6	-0.2		
BJI	70.1	321	eP	08 58 38.0	-0.7		
			PMZ	m <sub>b</sub> = 5.0		1.2	0.024
			eS	09 07 44.0	-2.1		
TIY	71.2	317	eP	08 58 45.0	-0.3		
XAN	71.7	312	+P	08 58 48.8	0.4		
CD2	74.2	307	P	08 59 02.8	0.0		
BTO	74.3	319	eP	08 59 05.0	1.2		
LZH	76.4	312	eP	08 59 16.5	1.0		
			PMZ			15.0	0.075
GTA	80.7	314	+P	08 59 39.4	0.2		
WMQ	90.7	315	P	09 00 24.0	-4.7		

DEC 22d 10h 00m 42.2 ± 0.27s, SD2.47 / 8 23.92 N ± 1.67km, 122.48 E ± 2.96km, h11 ± 0.88km Taiwan (244) M <sub>L</sub> 3.3 / 3,							
QZH	3.7	287	Pn	10 01 39.0	-0.5		
			Sn	10 02 21.3	-3.6		
			SMN	M <sub>L</sub> = 3.3		0.8	0.080
SSE	7.2	351	P	10 02 29.0	-1.7		

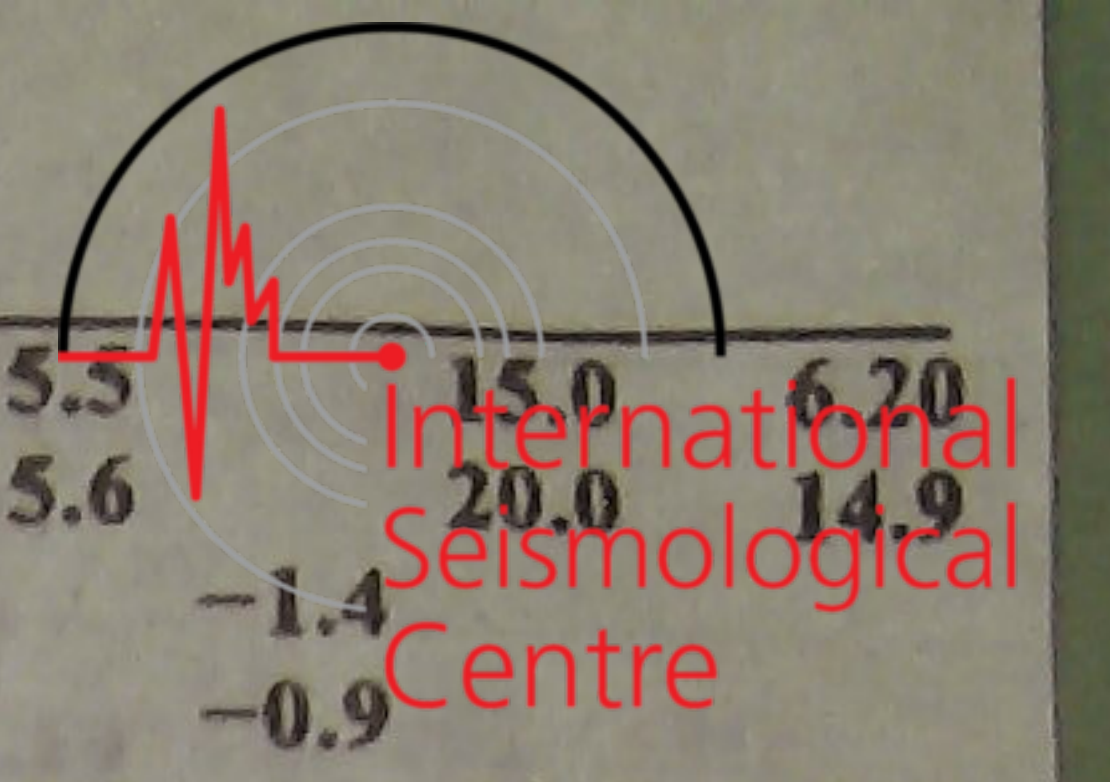
DEC 22d 12h 24m 25.2 ± 0.09s, SD2.09 / 32 28.88 N ± 1.07km, 94.66 E ± 0.94km, h33 ± 0.06km India-China border region (313) M <sub>S</sub> 4.2 / 7,							
LSA	3.2	286	Pn	12 25 17.8	4.0		
			Sn	12 25 56.5	5.0		
			Sg	12 26 05.0	0.0		
			LN	M <sub>S</sub> = 3.6		4.0	0.76
LZH	10.6	45	eP	12 26 57.5	-0.3		
			LN	M <sub>S</sub> = 4.2		10.0	0.80
			LE			10.0	0.60
			LZ	M <sub>S</sub> = 3.9		20.0	1.00
GYA	10.9	100	P	12 27 02.0	-0.4		

GTA	11.3	21	eP	12 27 07.4	-0.8		
			LN	M <sub>S</sub> = 4.3		11.9	1.17
			LZ	M <sub>S</sub> = 4.3		12.0	1.50
WMQ	15.9	341	eP	12 28 12.0	3.4		
			pP	12 28 20.0	4.3		
			S	12 31 09.0	5.7		
			LZ	M <sub>S</sub> = 4.3		16.0	1.37
BTO	17.2	43	eP	12 28 24.0	-0.6		
			esP	12 28 37.5	1.0		
			eS	12 31 33.0	-0.3		
			LN	M <sub>S</sub> = 4.4		12.0	0.60
			LE			12.0	0.50
WHN	17.2	80	eP	12 28 23.2	-1.4		
			sP	12 28 35.5	-1.2		
			eS	12 31 36.0	2.7		
			LN	M <sub>S</sub> = 4.4		12.0	0.78
KSH	18.7	309	eP	12 28 41.6	-2.5		
			eS	12 32 07.0	-1.9		
			LZ	M <sub>S</sub> = 4.4		14.0	1.20
TIA	20.3	63	eP	12 29 00.6	-0.3		
BJI	20.9	52	eP	12 29 07.5	0.2		

DEC 22d 13h 57m 27.0 ± 0.07s, SD1.39 / 22 36.57 N ± 0.98km, 70.86 E ± 0.87km, h181 ± 0.46km Hindu Kush region (718)							
KSH	5.0	52	+iP	13 58 44.3	2.7		
			S	13 59 42.0	3.4		
			SMN			0.3	0.80
			SME			0.5	0.90
WMQ	14.8	55	P	14 00 48.0	-0.4		
LSA	18.3	106	P	14 01 32.0	1.4		
GTA	23.0	74	eP	14 02 18.2	1.4		
GYA	32.0	98	P	14 03 38.2	-0.5		

DEC 22d 21h 09m 38.3 ± 0.15s, SD0.92 / 75 6.84 S ± 2.47km, 124.91 E ± 1.88km, h551 ± 0.11km Banda Sea (280) m <sub>b</sub> 5.3 / 20,							
QZN	29.7	330	eP	21 15 01.8	0.1		
			eS	21 19 18.5	-2.0		
GZH	31.8	340	P	21 15 20.7	0.8		
GYA	37.5	333	P	21 16 08.0	0.5		
			PcP	21 18 12.2	1.1		
			ScP	21 21 08.6	3.2		
			S	21 21 19.0	0.4		
SSE	37.9	355	eP	21 16 11.0	0.8		
			PMZ	m <sub>b</sub> = 5.2		1.0	0.070
			S	21 21 22.0	-1.7		
KMI	38.4	327	+P	21 16 16.5	1.8		
			PMZ	m <sub>b</sub> = 5.0		1.5	0.070
			pP	21 17 55.0	4.2		
			S	21 21 33.0	1.7		
WHN	38.5	345	-P	21 16 15.7	0.3		
			PMZ	m <sub>b</sub> = 5.2		1.0	0.070
			PP	21 18 02.5	2.5		
			PcP	21 18 15.7	1.5		
			ScP	21 21 05.5	-3.6		
			S	21 21 35.0	1.9		
NJ2	39.1	352	-P	21 16 21.0	0.9		
			PMZ	m <sub>b</sub> = 5.5		1.0	0.15
			ScP	21 21 14.0	2.6		
CD2	42.7	333	eP	21 16 47.8	-0.8		
			S	21 22 29.4	-3.0		
XAN	43.4	341	+P	21 16 51.8	-2.5		
TIA	43.4	351	eP	21 16 54.2	-0.5		
DL2	45.6	356	+iP	21 17 12.0	0.5		
			PMZ	m <sub>b</sub> = 5.6		0.9	0.17
			eS	21 23 10.0	-4.9		





TIY	45.8 346	-P	21 17 12.2	-1.1				LE	$M_S=5.5$	15.0	6.20
		S	21 23 15.5	-1.4				LZ	$M_S=5.6$	20.0	14.9
LZH	47.1 337	P	21 17 23.0	0.2			TIA	28.9 344	P	24 05 41.8	-1.4
		PMZ	$m_B=5.4$		1.5	0.17		S		24 10 28.0	-0.9
		S	21 23 34.0	-0.1				LE	$M_S=5.1$	15.0	2.22
BJI	47.3 351	eP	21 17 24.0	-0.7				LZ	$M_S=4.7$	20.0	2.02
		PMZ	$m_B=5.0$		1.0	0.054	XAN	30.2 330	P	24 05 53.5	-1.5
		PcP	21 18 45.5	1.1			DL2	30.5 352	eP	24 06 01.0	3.0
		ScP	21 21 47.0	2.2				S		24 11 00.0	4.6
		eS	21 23 36.5	-2.4				LN	$M_S=5.2$	16.0	2.56
SNY	48.4 359	-P	21 17 31.9	-1.2				LE		15.0	1.07
		PMZ	$m_B=5.6$		0.8	0.16	TIY	31.8 338	+P	24 06 07.8	-1.1
LSA	48.7 320	P	21 17 36.3	0.8				S		24 11 18.0	3.5
HHC	49.0 347	eP	21 17 36.5	-1.0				LN	$M_S=5.1$	15.0	2.06
BTO	49.2 345	eP	21 17 37.5	-1.0				LZ	$M_S=4.9$	19.0	2.59
CN2	50.4 1	P	21 17 47.0	-0.6			BJI	32.7 345	eP	24 06 16.5	-0.7
MDJ	51.4 4	-iP	21 17 55.0	0.2				PMZ	$m_B=4.7$	1.2	0.016
GTA	51.5 335	-P	21 17 55.8	-0.3				eS		24 11 32.0	1.7
WMQ	60.6 330	P	21 18 57.8	-0.6				LZ	$M_S=4.8$	20.0	2.10
		PcP	21 19 36.0	0.5			SNY	33.2 356	+P	24 06 21.4	-0.2
		S	21 26 32.5	0.9				PMZ	$m_B=4.6$	1.2	0.012
KSH	64.6 320	P	21 19 24.5	0.4				PMZ	$m_B=5.6$	10.0	0.96
		eS	21 27 20.0	-1.8				pP		24 06 29.6	-1.7
								sP		24 06 33.7	-1.7
								PP		24 07 36.0	3.1
								S		24 11 40.0	2.5
								SME	$m_B=5.4$	10.0	0.89
								sS		24 12 00.0	5.4
								LN	$M_S=5.1$	14.0	1.38
								LE		11.0	0.87
								LZ	$M_S=5.1$	18.0	3.31
							LZH	34.4 326	eP	24 06 31.5	-0.6
								PMZ	$m_B=4.7$	1.5	0.019
								LN	$M_S=5.5$	15.0	2.70
								LE		15.0	3.20
								LZ	$M_S=5.3$	20.0	5.40
							HHC	34.9 340	P	24 06 36.1	0.4
								LN	$M_S=5.2$	15.0	1.61
								LE		15.0	0.93
								LZ	$M_S=5.0$	19.0	2.46
							CN2	35.1 358	eP	24 06 37.6	-0.1
								pP		24 06 46.5	-1.0
								S		24 12 06.0	-0.5
								SS		24 14 21.0	-2.6
								LN	$M_S=5.0$	10.0	0.50
								LE		10.0	0.70
								LZ	$M_S=5.1$	16.0	2.60
							BTO	35.2 338	eP	24 06 37.5	-1.1
								esP		24 06 50.0	-2.3
								eS		24 12 07.0	-1.9
								LN	$M_S=5.2$	15.0	1.50
								LE		15.0	1.60
							GTA	39.0 326	eP	24 07 10.6	-0.3
								PP		24 08 50.0	5.6
								eS		24 13 05.0	-2.8
								LE	$M_S=5.4$	17.0	2.93
								LZ	$M_S=5.2$	16.0	3.21
							LSA	39.4 307	P	24 07 15.8	1.5
							WMQ	48.8 323	P	24 08 29.0	-0.8
								pP		24 08 39.0	-0.6
								SMN	$m_B=5.6$	12.0	1.02
								LN	$M_S=5.6$	16.0	2.57
								LE		16.0	2.23
								LZ	$M_S=5.4$	16.0	3.47
							KSH	54.8 313	P	24 09 15.5	1.1
								pP		24 09 25.0	0.8
								eS		24 16 51.0	-0.2
								LZ	$M_S=5.7$	16.0	4.80
DEC 22d 23h 59m 45.3±0.15s, SD1.42 / 70											
8.57 N±1.67km, 126.75 E±2.06km, h36±0.87km											
Mindanao (259)											
$M_S5.2/29, m_B5.5/13, m_B4.8/8,$											
QZH	18.0 335	+P	24 03 54.0	-1.1							
		PMZ	$m_B=5.4$		8.0	1.66					
		pP	24 04 03.0	-0.1							
		sS	24 07 22.0	-3.0							
		LN	$M_S=5.1$		17.0	5.07					
		LZ	$M_S=4.9$		18.0	5.21	LZH	34.4 326	eP	24 06 31.5	-0.6
GZH	19.3 320	eP	24 04 10.0	-0.5							
		pP	24 04 19.2	0.6							
		LN	$M_S=5.2$		14.0	3.35					
		LE			16.0	5.23	HHC	34.9 340	P	24 06 36.1	0.4
		LZ	$M_S=5.1$		17.0	6.22		LN	$M_S=5.2$	15.0	1.61
QZN	19.4 304	eP	24 04 11.5	0.1				LE		15.0	0.93
		PP	24 04 28.0	-0.8				LZ	$M_S=5.0$	19.0	2.46
		S	24 07 43.5	1.2				eP		24 06 37.6	-0.1
		LN	$M_S=5.3$		16.0	3.99		pP		24 06 46.5	-1.0
		LE			18.0	6.33		S		24 12 06.0	-0.5
SSE	23.0 348	+P	24 04 48.0	-0.2				SS		24 14 21.0	-2.6
		PMZ	$m_B=5.5$		8.0	1.90		LN	$M_S=5.0$	10.0	0.50
		LN	$M_S=5.0$		11.0	1.40		LE		10.0	0.70
		LE			10.0	1.30		LZ	$M_S=5.1$	16.0	2.60
		LZ	$M_S=4.8$		20.0	3.20	BTO	35.2 338	eP	24 06 37.5	-1.1
NJ2	24.5 344	eP	24 05 04.0	1.4				esP		24 06 50.0	-2.3
		PMZ	$m_B=5.2$		10.0	1.03		eS		24 12 07.0	-1.9
		LZ	$M_S=4.7$		16.0	1.77		LN	$M_S=5.2$	15.0	1.50
WHN	24.7 334	eP	24 05 06.0	0.9				LE		15.0	1.60
		PMZ	$m_B=5.2$		8.0	0.83	GTA	39.0 326	eP	24 07 10.6	-0.3
		pP	24 05 15.0	0.5				PP		24 08 50.0	5.6
		PP	24 05 39.0	-2.5				eS		24 13 05.0	-2.8
		sS	24 09 38.0	0.2				LE	$M_S=5.4$	17.0	2.93
		SMN	$m_B=5.8$		12.0	1.78		LZ	$M_S=5.2$	16.0	3.21
		SME			10.0	2.63	LSA	39.4 307	P	24 07 15.8	1.5
		LE	$M_S=5.4$		18.0	6.94	WMQ	48.8 323	P	24 08 29.0	-0.8
		LZ	$M_S=5.0$		20.0	4.39		pP		24 08 39.0	-0.6
GYA	26.1 316	P	24 05 20.8	3.0				SMN	$m_B=5.6$	12.0	1.02
		LN	$M_S=5.2$		13.0	2.30		LN	$M_S=5.6$	16.0	2.57
		LE			13.0	2.30		LE		16.0	2.23
		LZ	$M_S=4.9$		18.0	2.70		LZ	$M_S=5.4$	16.0	3.47
KMI	28.2 309	eP	24 05 33.0	-4.2				P		24 09 15.5	1.1
		sP	24 05 46.0	-4.7				pP		24 09 25.0	0.8
		sS	24 10 34.0	-0.7				eS		24 16 51.0	-0.2
								LZ	$M_S=5.7$	16.0	4.80



DEC 23d 01h 32m 40.1 ± 0.17s, SD0.90 / 25						DEC 23d 11h 24m 01.5 ± 0.11s, SD1.00 / 91											
30.34 S ± 3.08km, 178.12 W ± 2.97km, h15 ± km						17.57 N ± 1.40km, 146.08 E ± 2.06km, h162 ± 0.07km											
Kermadec Islands (178)						Marianas (216)											
m <sub>b</sub> 5.2 / 2,						m <sub>b</sub> 5.8 / 22, m <sub>b</sub> 5.4 / 22,											
QZH	81.8	305	P	01 45 01.3	0.3	SSE	26.3	305	eP	11 29 22.5	-1.6	QZN	34.4	278	P	11 30 35.0	-0.5
WHN	88.2	307	eP	01 45 33.5	0.6	PMZ			m <sub>b</sub> = 5.5	1.0	0.12	TIY	35.7	311	eP	11 30 45.8	-0.4
MDJ	88.5	326	+iP	01 45 34.5	0.2	PMZ			m <sub>b</sub> = 5.7	8.0	1.39	XAN	37.0	304	P	11 30 57.2	-0.4
SNY	89.7	321	+P	01 45 39.4	-0.4	pP	11 30 01.0			4.1		GYA	37.5	291	+P	11 31 02.0	0.5
TIA	89.8	313	eP	01 45 40.8	0.1	SS	11 35 10.0			3.2		PMZ			m <sub>b</sub> = 5.5	1.2	0.15
CN2	90.0	323	+P	01 45 41.0	-0.5	LN				12.0	4.85	pP	11 31 38.0			2.0	
GYA	91.4	300	P	01 45 49.2	1.1	LZ				20.0	3.31	sP	11 31 56.0			1.4	
BJI	92.8	316	eP	01 45 54.0	-0.3	QZH	26.6	291	+P	11 29 27.0	0.0	PP	11 32 35.0			2.9	
TIY	93.7	312	eP	01 45 58.6	-0.1	PMZ			m <sub>b</sub> = 5.9	0.6	0.17	S	11 33 48.0			0.4	
						pP	11 30 00.0			0.2		sS	11 34 50.0			3.8	
						PP	11 30 20.0			1.4		eP	11 29 43.0			-1.1	
						S	11 33 48.0			0.4		LN				14.0	11.3
						NJ2	28.5	306	eP	11 29 43.0	-1.1	LE				12.0	17.4
						DL2	30.1	320	eP	11 29 58.0	-0.3	LZ				30.0	22.0
						pP	11 30 35.0			3.4		XAN	37.0	304	P	11 31 32.0	-0.1
						S	11 34 41.5			-1.6		GYA	37.5	291	+P	11 31 02.0	0.5
						LN				14.0	3.18	PMZ			m <sub>b</sub> = 5.5	1.2	0.15
						LE				12.0	2.01	pP	11 31 38.0			2.0	
						LZ				16.0	4.93	S	11 36 38.0			1.0	
						MDJ	30.3	336	eP	11 30 00.3	0.1	ScP	11 36 44.0			3.9	
						pP	11 30 38.0			4.4		sS	11 37 14.0			3.9	
						PP	11 31 08.0			2.7		LN				14.0	16.2
						S	11 34 44.3			-2.2		LE				13.0	8.10
						sS	11 35 50.0			3.6		XAN	37.0	304	P	11 30 57.2	-0.4
						LE				16.0	11.3	pP	11 31 32.0			-0.1	
						LZ				10.0	11.6	S	11 36 28.0			-2.0	
						SNY	30.9	326	eP	11 30 06.0	0.6	LN				16.0	7.37
						PMZ				18.0	2.46	LE				11.0	8.78
						pP	11 30 44.0			5.1		GYA	37.5	291	+P	11 31 02.0	0.5
						sP	11 30 58.0			0.2		PMZ			m <sub>b</sub> = 5.5	1.2	0.15
						eS	11 34 54.0			-2.6		pP	11 31 38.0			2.0	
						sS	11 35 56.0			0.2		sP	11 31 56.0			1.4	
						LN				15.0	7.89	PP	11 32 35.0			2.9	
						LE				12.0	9.12	S	11 36 38.0			1.0	
						LZ				16.0	6.85	PcS	11 37 06.0			2.6	
						GZH	31.1	286	+P	11 30 08.0	0.5	ScS	11 40 57.0			2.7	
						PMZ			m <sub>b</sub> = 6.0	5.0	1.48	LN				14.0	9.30
						pP	11 30 45.5			4.5		LE				14.0	4.90
						S	11 35 00.0			0.5		LZ				24.0	4.10
						SS	11 36 58.0			0.1		HHC	37.6	315	P	11 31 03.5	0.5
						LN				10.0	4.00	pP	11 31 40.0			2.5	
						LE				10.0	2.25	S	11 36 39.5			-0.2	
						LZ				24.0	8.41	sS	11 37 45.6			4.5	
						CN2	31.4	331	eP	11 30 09.2	-0.7	LN				14.0	5.98
						PMZ			m <sub>b</sub> = 4.8	1.0	0.020	LE				14.0	5.50
												LZ				19.0	10.2
												BTO	38.6	314	eP	11 31 11.0	0.2
												pP	11 31 50.0			4.6	
												PcP	11 33 16.5			-3.3	
												eS	11 36 55.0			0.0	
												LN				11.0	2.90
												LE				15.0	3.40
												CD2	40.6	297	P	11 31 27.0	-0.1
												pP	11 32 04.0			2.1	
												S	11 37 20.0			-3.4	





	sS	11 38 30.0	4.7						52.63 S ± 2.05km, 140.68 E ± 3.64km, h16 ± 1.50km (791)
	LN			14.0	13.7				West of Macquarie Island
	LZ			13.0	6.50				
KMI	40.9 288	+P	11 31 31.0	0.9					GYA 84.2 330 P 23 51 43.2 -0.2
		PMZ	$m_b = 5.7$	5.0	1.02				KMI 84.2 326 eP 23 51 45.0 1.3
		pP	11 32 08.0	3.2					WHN 86.0 337 -P 23 51 53.1 0.9
		S	11 37 28.0	-0.5					pP 23 51 57.0 -1.6
LZH	41.6 305	eP	11 31 36.0	0.5					CD2 89.2 329 P 23 52 07.8 -0.2
		PMZ	$m_b = 5.6$	2.0	0.33				XAN 90.6 334 eP 23 52 15.5 0.8
		PMZ	$m_b = 5.5$	9.0	1.11				TIA 90.8 341 eP 23 52 12.2 -3.2
		pP	11 32 13.0	2.7					LZH 94.0 331 eP 23 52 30.0 -0.2
		PP	11 33 18.0	1.6					SNY 95.2 347 eP 23 52 40.0 4.3
		eS	11 37 39.0	-0.5					CNZ 96.9 349 eP 23 52 43.5 0.0
		sS	11 38 40.0	-0.3					
		SS	11 40 40.0	-4.2					DEC 24d 02h 36m 04.4 ± 0.06s, SD2.43 / 10
		LN		18.0	12.9				40.35 N ± 0.54km, 111.77 E ± 0.56km, h22 ± 0.18km
		LZ		40.0	23.1				North-Eastern China (658)
GTA	45.5 308	eP	11 32 07.1	-0.1					$M_L 3.1 / 10,$
		pP	11 32 44.0	1.6					HHC 0.5 343 +iPg 02 36 12.0 -2.5
		sP	11 33 03.0	2.3					Sg 02 36 19.0 -3.0
		S	11 38 35.0	-0.1					SMN $M_L = 2.8$ 0.3 0.58
		LE		13.0	4.86				SME 0.3 0.43
		LZ		20.0	6.91				BTO 1.4 281 Pg 02 36 28.8 0.0
LSA	51.3 294	+P	11 32 53.5	1.2					P11 02 36 30.0 0.1
		LN		13.0	1.61				Sg 02 36 46.4 -1.1
		LE		10.0	0.89				S11 02 36 50.2 0.5
		LZ		7.5	0.91				SMN $M_L = 2.9$ 0.1 0.26
WMQ	55.3 311	P	11 33 21.0	-0.2					SME 0.1 0.14
		pP	11 34 00.0	2.3					TIY 2.7 169 +iPg 02 36 50.6 -1.4
		S	11 40 48.0	-1.8					Sg 02 37 24.2 -4.4
		SMN		16.0	1.94				SMN $M_L = 3.2$ 0.6 0.13
		sS	11 41 56.0	1.0					SME 0.6 0.11
		LN		14.0	3.40				
		LE		14.0	2.89				DEC 24d 12h 25m 07.0 ± 0.07s, SD1.19 / 27
		LZ		18.0	7.74				1.83 S ± 0.86km, 133.80 E ± 1.52km, h35 ± 0.29km
KSH	63.9 306	eP	11 34 20.6	0.9					West Irian region (196)
		pP	11 35 02.0	4.9					$m_b 4.6 / 3,$
		ePP	11 36 45.0	2.1					GYA 38.4 319 P 12 32 28.0 0.4
		eS	11 42 41.0	0.1					CD2 43.3 321 eP 12 33 07.4 -0.5
		LE		16.0	9.10				TIY 44.0 335 eP 12 33 13.1 -0.6
		LZ		16.0	8.30				BJI 44.7 341 eP 12 33 19.0 0.2
									PMZ $m_b = 4.8$ 1.0 0.013
									HHC 47.1 337 eP 12 33 38.2 0.4
									GTA 51.5 326 eP 12 34 12.0 -0.3
									WMQ 61.3 324 P 12 35 22.2 0.0
									DEC 23d 16h 59m 47.2 ± 0.12s, SD1.01 / 48
									2.60 N ± 1.20km, 128.75 E ± 2.07km, h265 ± 0.27km
									Djailolo Gilolo (Halmahera) (267)
									$m_b 4.4 / 5,$
WHN	31.0 335	+P	17 05 43.0	0.8					DEC 24d 13h 53m 47.2 ± 0.09s, SD0.98 / 21
GYA	31.8 320	P	17 05 50.6	0.8					19.94 S ± 1.77km, 177.36 W ± 1.68km, h397 ± 0.31km
KMI	33.6 314	-P	17 06 06.0	0.8					Fiji region (181)
XAN	36.3 332	+P	17 06 27.5	-0.7					$m_b 4.8 / 3,$
DL2	36.7 351	eP	17 06 31.0	-0.2					MDJ 80.4 325 eP 14 05 17.0 -0.8
CD2	36.8 323	P	17 06 31.2	-0.4					CNZ 82.2 322 eP 14 05 27.0 -0.2
TIY	38.0 339	+P	17 06 42.2	0.0					WHN 82.6 306 eP 14 05 30.0 0.9
BJI	39.0 345	eP	17 06 50.0	0.1					BJI 85.9 315 eP 14 05 45.0 -0.5
		PMZ	$m_b = 4.3$	1.0	0.015				
SNY	39.3 354	+iP	17 06 53.0	0.2					DEC 24d 17h 36m 36.2 ± 0.08s, SD1.00 / 29
LZH	40.5 328	P	17 07 03.5	0.8					20.39 S ± 1.06km, 168.98 E ± 1.97km, h43 ± 1.08km
		PMZ	$m_b = 4.8$	1.2	0.059				Loyalty Islands (188)
HHC	41.1 340	eP	17 07 07.4	-0.3					WHN 72.9 313 eP 17 48 04.0 0.3
CNZ	41.1 356	eP	17 07 08.0	0.4					PcP 17 48 19.5 -0.1
BTO	41.4 338	eP	17 07 10.4	0.1					MDJ 74.0 332 eP 17 48 10.0 0.0
MDJ	41.8 1	eP	17 07 13.7	0.3					CNZ 75.3 329 eP 17 48 17.0 -0.4
LSA	44.7 311	P	17 07 37.9	1.2					BJI 77.7 321 P 17 48 30.0 -0.8
GTA	45.1 328	-iP	17 07 39.6	0.0					TIY 78.5 318 eP 17 48 35.4 -0.1
WMQ	54.8 324	P	17 08 52.8	0.4					LZH 83.3 312 P 17 49 00.0 -0.9
KSH	60.3 315	P	17 09 31.2	0.4					GTA 87.7 314 eP 17 49 21.7 -1.0
									DEC 24d 18h 49m 12.3 ± 0.05s, SD1.11 / 56
									33.63 N ± 0.94km, 138.58 E ± 1.21km, h255 ± 1.00km



(211)

South of Honshu  
 $m_b 4.9 / 15,$

MDJ	13.0	330	+iP	18 52 09.8	0.5		
SNY	14.4	309	+iP	18 52 27.8	1.2		
			PMZ	$m_b = 5.3$		1.0	0.20
CN2	14.4	319	-P	18 52 27.0	0.3		
DL2	14.6	296	P	18 52 30.0	0.5		
SSE	14.9	265	P	18 52 33.7	0.9		
			PMZ	$m_b = 4.5$		1.0	0.028
TIA	17.8	284	eP	18 53 04.3	-0.4		
BJI	19.0	296	eP	18 53 16.0	-1.3		
			PMZ	$m_b = 4.3$		1.0	0.015
WHN	20.7	268	eP	18 53 36.0	1.4		
			PMZ	$m_b = 5.0$		1.0	0.060
			sP	18 54 46.0	-3.7		
TIY	21.6	288	eP	18 53 43.1	0.1		
HHC	22.6	296	P	18 53 52.5	-0.5		
BTO	23.7	295	eP	18 54 04.6	1.1		
XAN	24.6	279	P	18 54 12.2	0.8		
GYA	28.5	264	-P	18 54 45.8	-0.6		
			S	18 59 13.6	0.4		
LZH	28.5	285	eP	18 54 46.0	-1.0		
CD2	29.5	274	P	18 54 54.3	-1.1		

DEC 24d 18h 50m  $24.3 \pm 0.15s$ , SD2.99 / 14  
40.68 N  $\pm 1.17km$ , 79.45 E  $\pm 1.23km$ ,  $h_9 \pm 0.60km$   
Southern Xinjiang Province  
 $M_L 4.3 / 6,$

(321)

KSH	2.9	248	Pn	18 51 12.5	0.7		
			Sn	18 51 54.0	4.9		
			SMN	$M_L = 4.3$		0.8	1.20
			SME			0.8	1.40
WMQ	6.9	60	Pn	18 52 09.6	3.8		
			Sg	18 54 05.2	5.4		
			SMN	$M_L = 4.2$		0.8	0.11
			SME			0.8	0.14
GTA	15.6	88	eP	18 54 06.1	-1.1		
TIY	25.7	86	eP	18 55 59.2	2.7		

DEC 24d 19h 24m  $34.2 \pm 0.08s$ , SD2.23 / 67  
35.59 N  $\pm 0.99km$ , 111.22 E  $\pm 0.99km$ ,  $h_{12} \pm 0.07km$   
Eastern China  
 $M_S 4.4 / 19, M_L 4.7 / 19, m_b 4.5 / 4,$

(664)

TIY	2.3	24	+Pn	19 25 13.8	0.8		
			Pg	19 25 16.8	1.3		
			Sg	19 25 45.6	-1.9		
			SMN	$M_L = 4.5$		0.6	2.88
			SME			0.8	3.01
XAN	2.4	231	Pn	19 25 16.6	2.2		
			Pg	19 25 22.4	5.0		
			Sn	19 25 50.0	4.0		
			Sg	19 25 56.0	5.2		
			LN			8.0	3.92
			LE			8.0	3.32
TIA	4.8	81	ePn	19 25 46.9	-0.3		
			Pg	19 26 00.8	1.3		
			Sg	19 27 00.7	-4.9		
			SMN	$M_L = 4.3$		0.8	0.49
			SME			0.8	0.36
BTO	5.1	350	Pn	19 25 52.9	2.0		
			Pg	19 26 08.8	4.6		
			Sg	19 27 16.2	2.4		
			SMN	$M_L = 4.5$		1.0	0.47
			SME			1.0	0.72
HHC	5.3	3	Pn	19 25 55.0	1.8		
			Pg	19 26 09.4	2.3		
			Sg	19 27 15.0	-4.1		
			SMN			2.0	2.50

WHN	5.7	152	-Pn	19 26 00.5	1.8		
			Sn	19 27 07.0	1.0		
			Sg	19 27 34.0	2.1		
			SMN	$M_L = 5.1$		0.9	1.79
			SME			0.9	1.61
			LN	$M_S = 4.4$		8.0	2.95
			LE			8.0	1.57
			LZ	$M_S = 4.2$		10.0	1.91
BJI	5.9	40	Pn	19 26 02.0	-0.2		
			Pg	19 26 20.0	1.1		
			Sg	19 27 34.0	-5.9		
			LE	$M_S = 4.3$		7.0	2.38
			LZ	$M_S = 4.0$		13.0	1.48
LZH	6.0	277	Pn	19 26 09.0	5.3		
			Pg	19 26 14.5	-5.9		
			Sn	19 27 14.0	-0.5		
			SMN	$M_L = 5.1$		1.0	1.29
			SME			1.2	1.45
			LN	$M_S = 4.8$		5.0	3.87
			LE			3.0	2.69
NJ2	7.3	117	-Pn	19 26 24.5	3.9		
			Sn	19 27 41.8	-3.6		
			LN	$M_S = 4.4$		6.0	1.13
			LE			4.0	0.91
			LZ	$M_S = 3.9$		10.0	0.71
CD2	7.8	235	Pn	19 26 29.5	1.5		
			Sn	19 27 58.0	-0.7		
			SMN	$M_L = 4.9$		0.9	0.30
			SME			1.2	0.50
			LE			3.0	1.50
SSE	9.5	115	eP	19 26 56.0	2.4		
			sP	19 27 02.5	1.0		
			eS	19 28 44.0	3.1		
			SMN			1.0	0.097
			SME			1.0	0.066
			LN	$M_S = 4.1$		12.0	0.86
			LE			12.0	0.90
GTA	9.8	296	eP	19 26 55.4	-3.6		
			LN	$M_S = 4.4$		8.0	1.47
			LZ	$M_S = 4.3$		14.0	2.05
GYA	9.9	204	+P	19 26 59.4	-0.4		
			pP	19 27 03.8	-1.0		
			SMN			1.6	0.40
			SME			1.6	0.30
			LN	$M_S = 4.6$		8.0	1.30
			LE			8.0	1.70
SNY	11.5	53	eP	19 27 22.0	0.6		
			LE	$M_S = 3.9$		11.0	0.52
			LZ	$M_S = 4.3$		7.0	0.92
KMI	12.7	217	-P	19 27 40.0	1.5		
			pP	19 27 43.0	0.1		
			LE	$M_S = 4.4$		10.0	1.10
CN2	13.7	49	eP	19 27 51.0	0.3		
			epP	19 27 56.0	0.7		
			eS	19 30 26.0	2.4		
			LN	$M_S = 4.1$		11.0	0.60
			LZ	$M_S = 4.1$		14.0	0.90
QZN	16.5	185	eP	19 28 28.1	0.2		
			eS	19 31 30.0	-1.1		
			LN	$M_S = 4.6$		9.0	1.18
LSA	17.9	257	eP	19 28 48.4	3.1		
WMQ	19.8	302	P	19 29 07.8	-0.3		
			S	19 32 49.5	4.4		
			LN	$M_S = 4.6$		10.0	0.82
			LZ	$M_S = 4.3$		12.0	0.71

DEC 24d 20h 26m  $20.8 \pm 0.11s$ , SD2.75 / 52





40.25 N ± 1.33km, 119.05 E ± 1.29km, h10 ± 0.08km North-Eastern China M <sub>S</sub> 3.6 / 2, M <sub>L</sub> 4.5 / 22,				(658)			
BJI	2.2	265	Pn	20 26 57.0	-1.0		
			Pg	20 27 00.0	0.1		
			Sg	20 27 30.0	-0.3		
			LZ			10.0	2.56
DL2	2.4	123	Pn	20 27 03.4	2.9		
			Pg	20 27 09.0	5.8		
			Sg	20 27 43.0	6.9		
			SMN	M <sub>L</sub> = 4.3	0.8	1.70	
			SME		0.8	1.92	
SNY	3.8	64	-Pn	20 27 21.0	1.7		
			Pg	20 27 33.4	6.1		
			Sn	20 28 06.0	0.3		
			Sg	20 28 24.3	5.5		
			SMN	M <sub>L</sub> = 4.4	1.0	1.04	
			SME		1.0	0.82	
TIA	4.3	201	ePn	20 27 26.6	-0.2		
			Sg	20 28 33.3	-2.6		
			SMN	M <sub>L</sub> = 3.9	0.5	0.13	
			SME		0.7	0.28	
HHC	5.7	278	Pn	20 27 49.2	2.7		
			Pg	20 28 04.2	2.2		
			Sg	20 29 19.1	-1.4		
			SMN	M <sub>L</sub> = 4.7	1.0	0.60	
			SME		0.8	0.65	
TIY	5.7	246	+Pn	20 27 47.0	0.4		
			Pg	20 28 04.1	1.9		
			Sg	20 29 16.0	-4.8		
			SMN	M <sub>L</sub> = 4.4	0.8	0.30	
			SME		0.6	0.39	
CN2	5.9	51	Pn	20 27 50.8	1.7		
			Sn	20 28 56.6	-2.8		
			Sg	20 29 30.2	3.5		
			SMN	M <sub>L</sub> = 4.6	1.0	0.46	
			SME		1.0	0.40	
BTO	6.9	276	Pg	20 28 26.6	3.7		
			Sg	20 29 55.4	-1.6		
			SMN	M <sub>L</sub> = 4.5	1.0	0.28	
			SME		1.0	0.21	
NJ2	8.2	181	eP	20 28 18.0	-4.7		
MDJ	8.9	57	eP	20 28 33.0	0.0		
			S	20 30 14.5	0.1		
			SMN	M <sub>L</sub> = 4.9	1.0	0.22	
SSE	9.3	169	eP	20 28 34.0	-4.1		
			SME		1.0	0.019	
			LE	M <sub>S</sub> = 3.4	12.0	0.26	
WHN	10.4	203	eP	20 28 51.9	-1.6		
			eS	20 30 48.0	-3.4		
			sS	20 30 54.2	-5.1		
			SMN		0.7	0.020	
			SME		0.7	0.020	
			LN	M <sub>S</sub> = 3.9	10.0	0.46	
LZH	12.7	256	eP	20 29 22.5	-1.8		
			LN		2.0	0.19	
			LE		2.0	0.097	
GTA	14.8	273	eP	20 29 51.6	-1.0		
CD2	15.5	238	eP	20 30 00.4	-1.4		
GYA	17.2	221	P	20 30 27.0	3.9		
WMQ	23.5	289	P	20 31 33.0	1.1		
			eS	20 35 40.5	-1.5		
			SMN		3.0	0.050	
DEC 25d 04h 25m 50.0 ± 0.11s, SD0.99 / 32 60.12 N ± 2.59km, 73.62 W ± 1.45km, h9 ± 0.11km Northern Quebec Province m <sub>b</sub> 5.0 / 9,				(443)			
MDJ	73.9	343	eP	04 37 25.5	-2.5		
CN2	75.3	346	eP	04 37 36.0	0.1		
			PMZ		m <sub>b</sub> = 5.1		
			epP	04 37 40.0	-1.2		
			eS	04 47 14.0	-0.5		
			LZ		M <sub>S</sub> = 4.8	20.0	0.50
SNY	77.4	347	+P	04 37 47.4	-0.7		
BJI	79.9	352	eP	04 38 01.5	0.0		
			PMZ		m <sub>b</sub> = 5.0	1.5	0.026
GTA	80.7	5	eP	04 38 04.4	-1.5		
TIA	83.6	351	eP	04 38 20.8	-0.2		
LZH	84.1	2	eP	04 38 24.5	0.7		
			PMZ		m <sub>b</sub> = 5.3	1.5	0.038
XAN	86.2	358	-P	04 38 34.2	0.4		
DEC 25d 08h 47m 19.5 ± 0.08s, SD1.57 / 58 36.24 N ± 1.83km, 141.03 E ± 1.80km, h48 ± 1.11km Near east coast of Honshu M <sub>S</sub> 4.2 / 2, m <sub>b</sub> 4.6 / 5,				(228)			
MDJ	12.1	317	+P	08 50 14.5	2.8		
CN2	14.1	307	eP	08 50 39.3	0.6		
			PMZ		m <sub>b</sub> = 4.7	1.4	0.020
			pP	08 50 46.0	-1.4		
			eS	08 53 17.0	3.0		
			LZ		M <sub>S</sub> = 3.8	17.0	0.50
SNY	14.7	298	eP	08 50 46.6	0.8		
			LZ		M <sub>S</sub> = 4.0	18.0	0.83
DL2	15.6	286	eP	08 51 00.0	1.9		
SSE	17.3	258	eP	08 51 17.5	-1.7		
			epP	08 51 30.7	2.0		
			SS	08 54 53.0	3.7		
			LZ		M <sub>S</sub> = 3.8	22.0	0.48
NJ2	18.8	264	-P	08 51 37.0	-0.9		
TIA	19.3	277	eP	08 51 41.5	-1.8		
BJI	19.9	288	eP	08 51 48.5	-1.4		
TIY	22.9	282	+P	08 52 20.7	0.7		
			S	08 56 21.0	0.3		
			LE		M <sub>S</sub> = 4.5	14.0	0.87
			LZ		M <sub>S</sub> = 4.4	18.0	1.09
WHN	23.0	263	-P	08 52 20.2	-0.6		
GYA	30.8	261	P	08 53 32.8	-0.6		
			pP	08 53 44.2	-0.8		
CD2	31.4	271	P	08 53 38.4	0.0		
GTA	32.5	288	eP	08 53 46.5	-2.0		
WMQ	40.9	298	P	08 55 01.0	1.6		
KSH	50.5	295	P	08 56 17.5	2.1		
DEC 25d 09h 13m 47.4 ± 0.12s, SD1.72 / 23 23.49 N ± 1.18km, 121.52 E ± 0.93km, h41 ± 0.87km Taiwan region M <sub>L</sub> 4.2 / 11,				(243)			
QZH	3.0	299	+P	09 14 34.3	-0.1		
			S	09 15 08.5	-0.6		
			SMN		M <sub>L</sub> = 4.5	0.2	2.34
			SME			0.3	0.96
GZH	7.5	269	eP	09 15 34.8	-2.7		
			eS	09 16 55.6	-6.3		
			SMN		M <sub>L</sub> = 4.2	1.0	0.080
			SME			1.0	0.080
SSE	7.6	358	eP	09 15 38.0	-0.2		
			eS	09 17 01.0	-2.2		
			SMN		M <sub>L</sub> = 3.9	1.0	0.021
			SME			1.2	0.052
NJ2	8.8	345	eP	09 15 55.0	-0.8		
WHN	9.5	319	P	09 16 03.0	-1.7		
			pP	09 16 09.0	-2.7		
			S	09 17 44.5	-6.1		
			SMN			1.2	0.080



SME		1.2 0.070	
DEC 25d 13h 24m 04.9 ± 0.10s, SD2.72 / 46			
31.59 N ± 1.17km, 99.65 E ± 1.11km, h12 ± 0.10km			
Sichuan Province (307)			
M <sub>S</sub> 4.5 / 17, M <sub>L</sub> 4.1 / 8, m <sub>b</sub> 4.8 / 4,			
CD2	3.6 100	Pn	13 25 05.0 4.3
		Pg	13 25 09.4 1.2
		Sg	13 26 00.8 3.6
		SMN	M <sub>L</sub> = 4.4 1.6 1.50
		SME	1.1 0.40
		LZ	M <sub>S</sub> = 4.5 8.0 5.70
LZH	5.7 37	Pn	13 25 34.0 4.2
		LN	M <sub>S</sub> = 4.8 8.0 4.90
		LE	6.0 6.40
		LZ	M <sub>S</sub> = 4.4 8.0 2.70
KMI	7.0 156	+Pn	13 25 51.5 3.8
		LE	M <sub>S</sub> = 4.3 9.0 2.30
LSA	7.6 258	Pn	13 25 59.0 3.2
		Sn	13 27 30.0 6.7
		LN	M <sub>S</sub> = 4.2 7.0 0.91
		LE	8.0 0.89
		LZ	M <sub>S</sub> = 4.4 8.0 2.14
GTA	7.8 1	eP	13 26 06.2 4.8
		LN	M <sub>S</sub> = 4.4 7.5 1.46
		LE	8.0 1.70
		LZ	M <sub>S</sub> = 4.0 11.0 1.20
GYA	8.0 128	P	13 26 03.4 -0.5
		S	13 27 28.0 -6.6
		SMN	M <sub>L</sub> = 4.3 1.6 0.090
		SME	1.6 0.080
		LN	M <sub>S</sub> = 4.5 9.0 2.30
		LE	9.0 1.60
XAN	8.2 70	+P	13 26 05.1 -1.4
		LN	M <sub>S</sub> = 4.7 5.0 2.16
		LE	6.0 1.08
TIY	12.2 56	eP	13 27 00.8 -0.6
		LN	M <sub>S</sub> = 4.5 10.0 1.54
		LZ	M <sub>S</sub> = 4.5 11.0 1.85
WHN	12.6 91	eP	13 27 05.0 -2.7
		pP	13 27 10.0 -2.4
		eS	13 29 30.0 0.4
		LN	M <sub>S</sub> = 4.7 10.0 1.98
		LE	8.0 1.37
		LZ	M <sub>S</sub> = 4.1 10.0 0.64
GZH	14.8 121	eP	13 27 34.0 -2.3
		LN	M <sub>S</sub> = 4.7 11.0 1.26
		LE	11.0 1.26
WMQ	15.4 326	P	13 27 42.0 -2.3
		eS	13 30 35.0 -0.7
QZN	15.5 141	eP	13 27 45.5 0.0
		eS	13 30 37.0 -1.0
		LN	M <sub>S</sub> = 4.7 11.5 1.03
		LE	12.0 1.50
BJI	15.8 53	eP	13 27 50.0 0.6
		PMZ	m <sub>b</sub> = 4.2 1.0 0.012
KSH	20.8 299	eP	13 28 49.0 -0.3
		eS	13 32 35.0 -1.8
SNY	21.7 55	eP	13 28 56.6 -1.1
CN2	23.7 52	eP	13 29 17.0 -0.5

SME		1.2 0.070	
DEC 25d 14h 24m 32.2 ± 0.10s, SD0.75 / 87			
60.11 N ± 2.24km, 73.55 W ± 1.55km, h9 ± 0.08km			
Northern Quebec Province (443)			
M <sub>S</sub> 6.4 / 48, m <sub>B</sub> 6.3 / 26, m <sub>b</sub> 6.2 / 21,			
MDJ	73.9 343	-P	14 36 09.5 -0.9
		PMZ	3.0 1.30
		S	14 45 40.0 -0.2

SME		m <sub>B</sub> = 6.5		5.0 1.90	
SS	14 50 30.0	3.3	14.0	7.90	7.60
LN	M <sub>S</sub> = 6.4		25.0	7.60	
LZ	M <sub>S</sub> = 5.9				
CN2	75.3 346	+iP	14 36 17.0	-1.2	
		PMZ	m <sub>b</sub> = 6.4	1.8	0.81
		PMZ		3.0	1.90
		pP	14 36 22.8	-0.7	
		PP	14 39 07.0	-1.0	
		S	14 45 55.0	-0.3	
		SMN	m <sub>B</sub> = 6.3	7.0	1.10
		SME		7.0	1.40
		SS	14 50 47.0	-0.2	
		LN	M <sub>S</sub> = 6.1	18.0	6.00
		LZ	M <sub>S</sub> = 6.6	20.0	29.0
WMQ	75.3 14	+iP	14 36 18.0	-0.4	
		PMZ		3.0	2.08
		S	14 45 55.0	-0.5	
		LN	M <sub>S</sub> = 6.4	20.0	10.5
		LE		16.0	6.07
		LZ	M <sub>S</sub> = 6.4	22.0	19.8
SNY	77.5 347	+iP	14 36 30.0	-0.4	
		PMZ	m <sub>b</sub> = 6.2	1.6	0.48
		PMZ	m <sub>B</sub> = 6.3	5.0	1.67
		pP	14 36 36.0	0.3	
		S	14 46 14.0	-5.0	
		SMN	m <sub>B</sub> = 6.3	8.0	1.60
		SME		6.5	0.85
		sS	14 46 26.0	-3.5	
		LN	M <sub>S</sub> = 6.5	17.0	10.5
		LE		14.0	3.96
		LZ	M <sub>S</sub> = 6.4	22.0	19.1
KSH	77.6 24	P	14 36 32.2	0.8	
		PMZ	m <sub>B</sub> = 6.4	4.0	1.90
		PP	14 39 28.0	0.9	
		eS	14 46 25.0	2.5	
		LN	M <sub>S</sub> = 6.4	16.0	9.50
		LZ	M <sub>S</sub> = 6.1	20.0	9.80
HHC	79.3 356	+iP	14 36 41.7	0.9	
		PP	14 39 46.0	4.9	
		S	14 46 44.5	5.6	
		LN	M <sub>S</sub> = 6.2	17.0	1.30
		LE		15.0	5.33
		LZ	M <sub>S</sub> = 6.3	24.0	16.9
BTO	79.6 357	+iP	14 36 43.0	0.6	
		ePP	14 39 42.5	-0.9	
		S	14 46 45.0	3.0	
		LN	M <sub>S</sub> = 6.5	17.0	11.3
		LE		17.0	4.30
BJI	79.9 352	+P	14 36 43.5	-0.3	
		PMZ	m <sub>b</sub> = 6.4	2.0	0.78
		PMZ		3.0	1.22
		ePP	14 39 44.0	-1.7	
		eS	14 46 44.0	-2.5	
		LN	M <sub>S</sub> = 6.5	16.0	11.4
		LZ	M <sub>S</sub> = 6.6	16.0	20.4
DL2	80.6 348	+iP	14 36 47.0	-0.3	
		PMZ	m <sub>b</sub> = 6.6	1.8	1.20
		PMZ		3.0	1.24
		S	14 46 50.0	-1.8	
		SMN	m <sub>B</sub> = 6.2	7.0	1.10
		SME		5.0	0.56
		LN	M <sub>S</sub> = 6.4	15.0	8.08
		LZ	M <sub>S</sub> = 6.3	16.0	10.2
GTA	80.7 5	+iP	14 36 48.0	-0.2	
		S	14 46 55.0	1.8	
		SS	14 52 06.0	-3.1	
		LE	M <sub>S</sub> = 6.3	16.0	6.90





TIY	82.4	355	LZ	$M_s = 6.1$	16.0	6.70	KMI	95.0	3	LE	$M_s = 6.4$	17.0	7.52
			+P	14 36 57.5	0.4	LZ				$M_s = 6.3$	20.0	9.85	
			PMZ	$m_b = 6.2$	1.6	0.37				+P	14 37 57.0	-0.8	
			S	14 47 15.0	4.1					LE	$M_s = 6.3$	18.0	5.60
			SS	14 52 40.0	5.1					LZ	$M_s = 6.5$	18.0	13.3
TIA	83.6	351	LN	$M_s = 6.6$	16.0	13.4	GZH	96.9	354	cP	14 38 06.4	0.3	
			LZ	$M_s = 6.6$	14.0	18.3				S	14 49 24.0	0.0	
			+P	14 37 02.7	-0.6					LN	$M_s = 6.7$	17.0	12.0
			S	14 47 21.3	-1.9					LE		15.0	2.40
			LN	$M_s = 6.5$	17.0	10.5				LZ	$M_s = 6.5$	18.0	14.2
LZH	84.1	2	LE		15.0	5.00	QZN	101.1	357	cP	14 38 24.0	-1.1	
			LZ	$M_s = 5.6$	18.0	2.23				SKS	14 49 05.0	3.2	
			+iP	14 37 07.0	0.9					S	14 49 58.0	-1.1	
			PMZ	$m_b = 6.3$	2.0	0.58				SS	14 56 58.0	-4.2	
			PMZ	$m_b = 6.1$	6.0	1.14				LN	$M_s = 6.7$	15.0	6.60
XAN	86.2	358	PP	14 40 18.0	-2.7		LE		18.0	9.50			
			S	14 47 30.0	1.8		DEC 25d 14h 50m $57.1 \pm 0.14s$ , SD2.06 / 27						
			SS	14 52 58.0	-1.7		$59.51 S \pm 6.80km$ , $26.03 W \pm 4.22km$ , $h30 \pm 0.68km$						
			LN	$M_s = 6.4$	15.0	8.30	South Sandwich Islands region (153)						
			LZ	$M_s = 6.2$	16.0	7.80	KSH	128.8	76	ePKP	15 10 03.5	0.4	
NJ2	87.6	349	+iP	14 37 16.0	-0.1		WHN	140.7	120	ePKP	15 10 25.0	-0.1	
			PMZ		3.0	1.32	XAN	141.1	111	PKP	15 10 23.5	-2.4	
			SKS	14 47 42.8	4.7		TIY	145.8	111	ePKP	15 10 33.5	-0.4	
			S	14 47 48.4	0.2		BTO	146.8	105	ePKP	15 10 37.8	2.0	
			LN	$M_s = 6.3$	15.0	3.17	HHC	147.8	106	ePKP	15 10 40.0	2.6	
SSE	88.3	347	LE		14.0	4.86	BJI	149.4	113	ePKP	15 10 43.5	3.8	
			+iP	14 37 23.0	0.0		DL2	151.0	121	ePKP	15 10 47.5	5.3	
			PMZ	$m_b = 6.6$	4.0	1.94	CN2	156.6	119	ePKP	15 10 47.0	-3.0	
			LN	$M_s = 6.5$	16.0	7.24	DEC 25d 17h 34m $00.9 \pm 0.07s$ , SD2.65 / 7						
			LE		16.0	7.27	$35.54 N \pm 0.39km$ , $80.92 E \pm 1.07km$ , $h10 \pm 1.12km$						
CD2	89.3	2	LZ	$M_s = 6.4$	18.0	14.0	Kashmir-Tibet border region (304)						
			+P	14 37 27.0	0.6		$M_L 4.2 / 4,$						
			PMZ	$m_b = 6.2$	1.5	0.25	KSH	5.6	316	Pn	17 35 27.0	2.0	
			PMZ	$m_b = 6.4$	5.0	1.60				Pg	17 35 39.0	-1.0	
			PP	14 40 52.0	-3.3					eSn	17 36 30.4	-1.2	
WHN	89.5	353	SKS	14 47 52.0	0.0		SMN	$M_L = 4.4$	0.5	0.30			
			S	14 48 10.0	1.5		SME		0.5	0.40			
			LN	$M_s = 6.6$	17.0	11.7	WMQ	9.8	30	eP	17 36 24.7	-0.2	
			LE		15.0	4.14				S	17 38 18.2	2.7	
			LZ	$M_s = 6.5$	20.0	20.7	DEC 25d 19h 50m $18.3 \pm 0.09s$ , SD0.79 / 88						
LSA	89.6	13	P	14 37 31.9	0.8		$1.65 N \pm 1.13km$ , $127.27 E \pm 1.60km$ , $h102 \pm 0.10km$						
			SKS	14 48 00.0	2.1		Molucca Passage (266)						
			S	14 48 20.6	3.1		$m_b 5.7 / 15, m_b 5.8 / 31,$						
			LZ	$M_s = 6.1$	16.0	6.60	QZN	24.3	316	-iP	19 55 27.0	-0.5	
			+iP	14 37 32.0	0.2					PMZ	$m_b = 5.7$	5.5	2.00
GYA	93.8	360	PMZ	$m_b = 6.3$	1.4	0.31	sP	19 56 04.0	2.4				
			PMZ	$m_b = 6.4$	4.0	1.09	S	19 59 34.5	-1.2				
			pP	14 37 36.5	-0.7		QZH	24.6	341	-P	19 55 31.0	0.2	
			SKS	14 48 00.0	1.1					PMZ	$m_b = 5.8$	0.6	0.26
			S	14 48 19.0	0.0					PMZ		3.0	1.14
QZH	94.7	349	LN	$M_s = 6.7$	17.0	12.9	sP	19 56 06.0	1.1				
			LE		16.0	5.71	S	19 59 40.0	-1.4				
			LZ	$M_s = 6.4$	18.0	12.1	GZH	25.2	329	-iP	19 55 36.8	0.2	
			-P	14 37 34.9	1.7					PMZ	$m_b = 5.9$	4.0	1.40
			SMN	$m_b = 6.2$	7.0	1.53	sP	19 56 10.0	-0.8				
SSE	29.8	349	LN	$M_s = 5.8$	11.0	1.20	S	19 59 51.0	-0.6				
			+iP	14 37 52.6	0.8		SSE	29.8	349	-P	19 56 19.5	1.0	
			PMZ	$m_b = 6.2$	1.2	0.12				PMZ	$m_b = 5.4$	1.0	0.076
			PMZ		3.0	1.10	eS	20 01 03.0	-3.8				
			SKS	14 48 26.0	2.3		sS	20 01 49.0	3.0				
WHN	31.2	338	S	14 48 57.0	-0.1		LN		14.0	0.67			
			ScS	14 49 00.0	1.7		LZ		20.0	0.46			
			LN	$M_s = 6.6$	18.0	8.50	WHN	31.2	338	+iP	19 56 30.5	-0.2	
			LE		18.0	6.90				PMZ	$m_b = 5.5$	1.0	0.080
			LZ	$M_s = 5.7$	30.0	3.60							

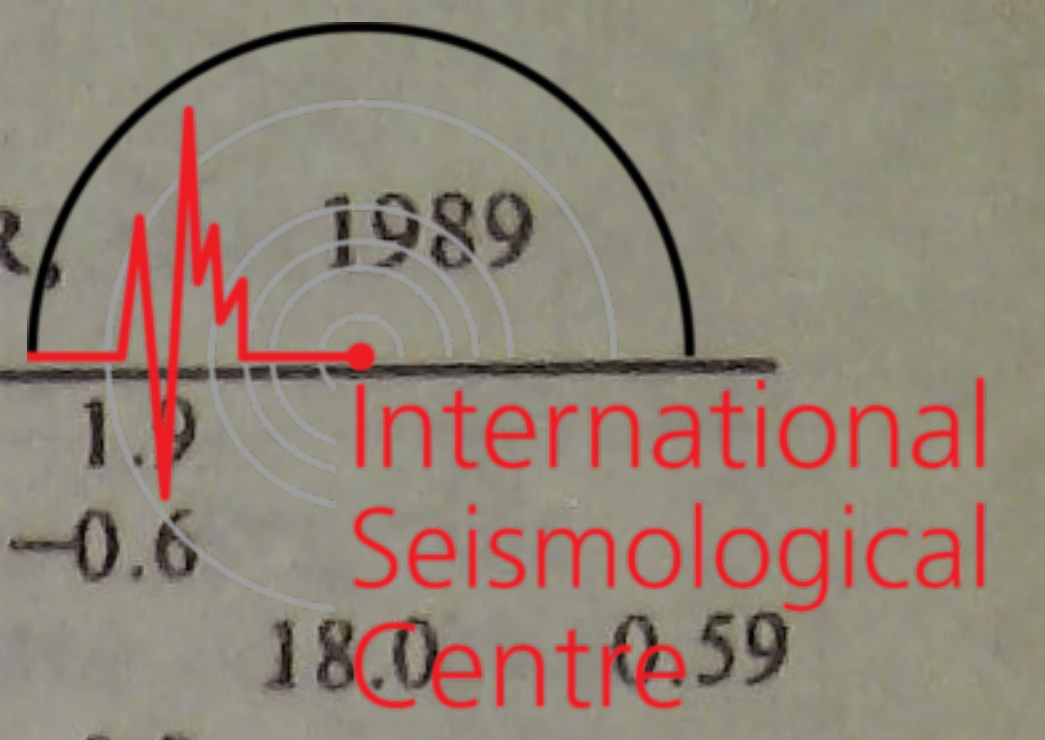


		PMZ	$m_b = 5.9$	4.0	0.88	BTO	41.8	340	P	19 58 00.5	0.6			
		pP	19 56 58.0	4.8					esP	19 58 37.0	1.8			
		iS	20 01 28.0	-0.7					PP	19 59 42.0	1.5			
		ScP	20 02 55.0	0.2					S	20 04 09.0	0.2			
		LN			10.0	0.93			LN			15.0	0.50	
		LE			9.0	0.83			LE			15.0	0.50	
		LZ			40.0	2.30			-iP	19 58 00.8	-0.6			
NJ2	31.3	346	-P	19 56 31.8	0.9				PMZ	$m_b = 5.2$		0.7	0.030	
			PMZ			3.0	0.80		pP	19 58 25.0	0.3			
			S	20 01 27.0	-1.3				PcP	19 59 55.4	0.5			
GYA	31.6	323	P	19 56 33.6	-0.7				ScP	20 03 34.2	-0.3			
			PcP	19 59 24.8	1.2				eS	20 04 12.0	-0.7			
			S	20 01 33.0	-1.1				SS	20 07 18.0	0.4			
			ScS	20 06 55.0	2.2				ScS	20 07 50.0	-0.6			
			LN			12.0	0.70	MDJ	42.8	2	-P	19 58 09.0	0.8	
			LE			12.0	0.70				S	20 04 25.0	1.1	
KMI	33.2	317	-P	19 56 49.0	0.7						SS	20 07 40.0	6.9	
			PMZ	$m_b = 6.3$		2.0	1.00				LZ		20.0	0.88
			S	20 01 59.0	0.0			LSA	44.2	313	+P	19 58 20.6	0.6	
TIA	35.6	346	-P	19 57 08.3	-0.4						PMZ	$m_b = 6.1$	4.0	1.06
			PcP	19 59 35.6	0.7						PP	20 00 05.0	0.3	
			S	20 02 34.9	-1.4						S	20 04 42.0	-2.0	
XAN	36.5	334	+iP	19 57 15.5	-0.5			GTA	45.1	330	-iP	19 58 27.0	-0.1	
			PMZ	$m_b = 6.0$		1.4	0.37				S	20 04 56.0	-1.3	
			S	20 02 46.0	-3.3						LE		11.0	0.36
CD2	36.6	325	P	19 57 16.1	-1.0						LZ		22.0	0.62
			S	20 02 46.0	-5.3			WMQ	54.7	326	-iP	19 59 39.8	-0.2	
DL2	37.4	353	-iP	19 57 24.0	0.3						PMZ		3.0	2.08
			PMZ	$m_b = 5.6$		1.2	0.14				sP	20 00 19.0	3.2	
			PcP	19 59 41.0	0.8						S	20 07 11.0	1.2	
			eS	20 03 05.0	0.7			KSH	59.9	316	P	20 00 17.4	0.7	
			ScS	20 07 26.0	2.2						PMZ		3.0	2.00
			LN			12.0	0.82				epP	20 00 44.0	2.9	
			LZ			16.0	0.90				ePP	20 02 33.0	1.9	
TIY	38.4	341	-iP	19 57 32.0	0.2						S	20 08 22.0	3.9	
			PMZ	$m_b = 6.2$		1.0	0.40	<hr/> <b>DEC 25d 23h 14m 47.8 ± 0.19s, SD1.94 / 25</b> <b>21.36 S ± 2.06km, 68.24 W ± 1.13km, h84 ± 1.57km</b> <b>Chile-Bolivia border region (124)</b>						
			S	20 03 15.0	-3.0			KSH	144.5	51	PKP	23 34 14.5	-1.2	
			SS	20 06 06.0	3.0			WMQ	150.0	36	PKP	23 34 24.0	-0.8	
			LE			13.0	0.66	GTA	159.3	27	ePKP	23 34 33.8	-3.6	
			LZ			30.0	1.26	HHC	160.6	0	PKP	23 34 40.0	1.3	
BJI	39.5	347	-P	19 57 41.5	0.5			BJI	161.0	350	ePKP	23 34 39.0	0.0	
			PMZ	$m_b = 6.0$		1.2	0.32	<hr/> <b>DEC 26d 01h 30m 14.1 ± 0.31s, SD1.70 / 41</b> <b>41.64 S ± 3.54km, 84.18 W ± 3.81km, h19 ± 1.82km</b> <b>West Chile Rise (686)</b> <b><math>M_s 5.7 / 5, m_b 6.0 / 2,</math></b>						
			PcP	19 59 48.0	1.2			QZN	154.5	212	ePKP	01 50 06.0	0.0	
			ScP	20 03 25.5	0.8						PP	01 54 05.5	-1.2	
			eS	20 03 30.0	-5.9			QZH	154.8	236	ePKP	01 50 06.5	0.1	
			eScS	20 07 39.0	3.2						PP	01 54 11.5	3.3	
SNY	40.1	356	-iP	19 57 45.8	-0.3						LN	$M_s = 5.6$	22.0	0.78
			PMZ	$m_b = 5.9$		0.8	0.16	MDJ	155.3	288	ePKP	01 50 05.5	-1.5	
			pP	19 58 10.0	0.7						sPKP	01 50 18.0	3.7	
			sP	19 58 18.0	-3.5						PP	01 54 16.0	5.4	
			PP	19 59 18.0	-5.2			SSE	157.1	251	ePKP	01 50 06.0	-3.5	
			S	20 03 40.0	-4.1						epPKP	01 50 12.0	-2.6	
			SMN	$m_b = 5.7$		5.0	0.48				eSKKS	02 01 10.0	3.8	
			SME			5.0	0.59				LZ	$M_s = 5.9$	20.0	1.49
			SS	20 06 44.0	3.6						LZ	$M_s = 6.0$	22.0	2.12
			ScS	20 07 40.0	0.6			SNY	159.3	280	ePKP	01 50 12.0	-0.2	
LZH	40.6	330	-iP	19 57 50.5	0.7						PP	01 54 34.0	1.3	
			PMZ	$m_b = 6.2$		1.5	0.66				PPMZ		13.0	0.53
			PMZ	$m_b = 5.6$		8.0	0.89	DL2	160.1	271	ePKP	01 50 10.0	-3.1	
			PcP	19 59 51.0	0.9						ePP	01 54 42.0	5.1	
			eS	20 03 49.0	-2.7									
			LN			8.0	0.40							
			LZ			36.0	1.30							
HHC	41.5	342	-iP	19 57 58.0	0.3									
			PP	19 59 38.0	0.5									
			S	20 04 08.0	3.3									
			SMN	$m_b = 5.8$		6.0	0.45							
			SME			6.0	1.01							



WHN	161.4	239	LZ	$M_s = 5.8$	32.0	2.05	QZH	23.8	342	cS	17 50 16.0	2.5		
			ePKP	01 50 14.0	-0.4					P	17 46 13.0	0.1		
			PP	01 54 45.0	0.7					cS	17 50 19.0	-2.4		
GYA	162.4	214	LZ	$M_s = 5.6$	20.0	0.75	GZH	24.4	329	LZ	$M_s = 4.1$	28.0	0.89	
			PKP	01 50 16.4	0.9					P	17 46 19.0	1.0		
			PKP2	01 51 05.8	1.7		SSE	29.1	350	P	17 47 02.2	0.2		
KMI	162.6	201	+PKP	01 50 17.0	1.2					PMZ	$m_b = 5.3$	0.9	0.050	
			pPKP	01 50 25.0	4.4					cS	17 51 48.0	-0.2		
			PPMZ	$m_b = 5.9$	8.0	0.80	WHN	30.4	339	eP	17 47 14.0	0.5		
			LZ	$M_s = 6.0$	20.0	2.30				pP	17 47 27.5	0.8		
BJI	164.5	271	ePKP	01 50 17.0	-0.5		NJ2	30.5	347	eP	17 47 14.0	-0.3		
			ePKP2	01 51 12.5	-0.7		GYA	30.7	323	P	17 47 17.0	0.5		
			ePP	01 55 04.0	3.4					pP	17 47 29.2	-0.3		
			LZ	$M_s = 6.0$	30.0	3.40	KMI	32.3	317	-P	17 47 30.5	0.0		
KSH	164.7	91	PKP	01 50 20.0	2.1		TIA	34.9	347	+P	17 47 51.8	-0.6		
TIY	166.6	258	ePKP	01 50 19.0	-0.4		XAN	35.7	334	P	17 47 57.2	-1.8		
			LN	$M_s = 5.9$	17.0	1.12	CD2	35.7	325	+iP	17 47 58.9	-0.8		
			LZ	$M_s = 5.9$	28.0	2.54	DL2	36.7	354	P	17 48 08.5	0.4		
XAN	167.2	238	PKP	01 50 20.0	0.2					PMZ	$m_b = 5.9$	0.8	0.18	
CD2	167.5	213	ePKP	01 50 21.4	1.4		TIY	37.6	341	+P	17 48 14.8	-0.5		
HHC	168.1	271	ePKP	01 50 21.0	0.6					cS	17 54 01.0	0.8		
			PP	01 55 15.6	-3.1					sS	17 54 20.0	-3.3		
			LZ	$M_s = 6.2$	28.0	4.59				LZ	$M_s = 4.6$	26.0	1.14	
BTO	169.2	269	ePKP	01 50 20.8	-0.3		BJI	38.8	347	eP	17 48 25.0	0.0		
LZH	171.6	231	PKP	01 50 22.5	-0.1					PMZ	$m_b = 5.4$	0.9	0.052	
			sPKP	01 50 28.0	-1.7					sP	17 48 50.0	5.5		
			PKP2	01 51 38.0	-6.5					cS	17 54 16.0	-1.9		
			PP	01 55 33.0	-3.3		SNY	39.5	356	-P	17 48 31.2	0.3		
			LZ	$M_s = 6.0$	27.0	3.10				PMZ	$m_b = 5.4$	0.8	0.053	
WMQ	173.6	67	ePKP	01 50 20.0	-3.3					sP	17 48 52.6	2.2		
			ePKP2	01 51 54.0	0.6					eS	17 54 26.0	-2.5		
			PP	01 55 46.0	-0.3					LZ	$M_s = 4.2$	30.0	0.59	
			PKS	01 53 57.0	4.2		LZH	39.7	331	+P	17 48 32.0	-0.9		
			LZ	$M_s = 6.4$	20.0	5.77				PMZ	$m_b = 5.2$	1.6	0.066	
GTA	176.2	235	PKP	01 50 24.0	-0.2					pP	17 48 43.5	-2.7		
			PKP2	01 52 05.0	0.2					PP	17 50 10.0	1.9		
			PP	01 55 58.5	-0.6					PcS	17 54 24.5	-2.4		
			LE	$M_s = 5.7$	21.0	2.18				LZ	$M_s = 4.5$	28.0	0.90	
			LZ	$M_s = 5.6$	24.0	1.76	HHC	40.7	342	P	17 48 41.8	0.3		
DEC 26d 09h 42m $02.9 \pm 0.10s$ , SD2.39 / 16 37.28 N $\pm 1.38km$ , 71.09 E $\pm 1.48km$ , h27 $\pm 0.38km$ Hindu Kush region (718) $M_L 4.6 / 1$ ,							BTO	41.0	341	eP	17 48 44.8	1.2		
KSH	4.4	58	ePn	09 43 11.6	3.0		CN2	41.4	359	+P	17 48 46.2	-0.3		
			Sn	09 44 04.5	3.9		MDJ	42.3	3	eP	17 48 54.8	1.0		
			SMN	$M_L = 4.6$	0.7	0.40	LSA	43.3	313	-iP	17 49 04.0	1.1		
			SME		1.3	1.50	GTA	44.3	330	eP	17 49 10.2	-0.2		
WMQ	14.2	57	eP	09 45 22.5	-2.3		WMQ	53.8	326	P	17 50 25.0	1.0		
			S	09 48 04.0	2.1					PcP	17 51 29.5	1.6		
DEC 26d 12h 40m $22.2 \pm 0.20s$ , SD1.47 / 32 6.27 S $\pm 1.12km$ , 154.34 E $\pm 1.70km$ , h75 $\pm 1.88km$ New Britain region (192)										eS	17 57 50.0	-3.0		
QZH	46.6	313	+P	12 48 46.3	1.2					ScS	18 00 08.0	4.6		
WHN	53.0	316	eP	12 49 34.5	0.7		KSH	59.0	316	eP	17 51 01.0	0.0		
CN2	56.3	335	-P	12 49 56.2	-1.6		DEC 26d 23h 22m $38.2 \pm 0.09s$ , SD1.76 / 13 23.75 N $\pm 0.72km$ , 120.86 E $\pm 0.65km$ , h13 $\pm 0.16km$ Taiwan (244) $M_L 3.9 / 10$ ,							
CD2	60.8	311	+iP	12 50 29.8	0.0		QZH	2.4	300	ePn	23 23 18.2	0.8		
GTA	67.8	317	+P	12 51 15.2	0.3					Sn	23 23 47.0	-1.4		
LSA	70.3	304	P	12 51 33.8	2.8					SMN	$M_L = 3.9$	0.8	0.80	
WMQ	77.8	317	P	12 52 15.0	0.8					SME		0.6	0.55	
KSH	85.1	310	P	12 52 54.5	2.4		SSE	7.3	2	P	23 24 25.7	-2.0		
DEC 26d 17h 41m $03.8 \pm 0.14s$ , SD1.12 / 80 2.27 N $\pm 1.44km$ , 126.59 E $\pm 2.09km$ , h56 $\pm 0.38km$ Molucca Passage (266) $m_b 5.3 / 16$ ,										epP	23 24 33.5	0.8		
QZN	23.4	317	eP	17 46 09.6	1.1					SMN	$M_L = 3.8$	1.0	0.021	
DEC 27d 04h 19m $43.4 \pm 0.17s$ , SD1.09 / 70 0.97 N $\pm 1.64km$ , 126.11 E $\pm 1.80km$ , h62 $\pm 0.60km$ Molucca Passage (266) $M_s 4.9 / 2$ , $m_b 5.1 / 10$ ,							QZN	24.0	319	P	04 24 54.6	1.0		





		sP	04 25 21.0	6.6				MDJ	36.0	3	eP	07 27 00.0	1.9			
		eS	04 29 04.0	1.1				GTA	39.1	326	eP	07 27 23.8	-0.6			
		LN		$M_s=4.8$	15.0	1.56					LZ		$M_s=4.5$	18.0	0.59	
QZH	24.9	344	P	04 25 02.3	-0.1			WMQ	48.9	323	P	07 28 42.5	-0.8			
SSE	30.3	352	eP	04 25 53.0	1.4						eS	07 35 49.0	4.9			
			LZ		$M_s=4.4$	22.0	0.95				ScS	07 38 30.0	1.2			
WHN	31.5	340	eP	04 26 03.2	1.6						LZ		$M_s=4.6$	20.0	0.58	
			sP	04 26 25.5	2.7			KSH	54.9	313	P	07 29 31.0	3.1			
GYA	31.5	325	P	04 26 02.0	-0.1			DEC 27d 14h 31m $30.0 \pm 0.13s$ , SD1.37 / 30 $32.57 N \pm 2.62km$ , $47.91 E \pm 1.64km$ , $h43 \pm 0.14km$ Iran-Iraq border region (346) $m_b 4.6 / 2$ ,								
			pP	04 26 21.0	4.7			KSH	23.6	65	P	14 36 42.5	4.0			
			PcP	04 28 55.0	2.2			WMQ	32.9	58	P	14 38 03.0	-0.1			
			S	04 31 03.0	-0.2			GTA	42.1	66	eP	14 39 20.4	0.5			
KMI	33.0	319	+P	04 26 16.0	1.1			LZH	45.8	69	P	14 39 50.0	0.0			
TIA	36.0	348	eP	04 26 42.3	1.2						PMZ		$m_b=4.8$	1.2	0.017	
XAN	36.6	336	-P	04 26 44.0	-2.0			CD2	47.1	76	eP	14 40 00.0	0.2			
DL2	38.0	354	+iP	04 26 58.5	1.2			GYA	50.9	81	P	14 40 29.0	-1.0			
TIY	38.7	343	+P	04 27 02.3	-0.9			WHN	55.8	73	eP	14 41 05.0	-0.7			
			eS	04 32 52.0	-2.9			DEC 27d 19h 24m $07.5 \pm 0.20s$ , SD1.04 / 66 $4.94 S \pm 2.31km$ , $103.08 E \pm 2.17km$ , $h61 \pm 0.43km$ Southern Sumatera (274) $m_b 5.2 / 11$ ,								
			LN		$M_s=4.9$	8.0	0.30	QZN	24.7	15	eP	19 29 25.6	0.7			
			LE			16.0	0.72				eS	19 33 35.5	-4.1			
BJI	39.9	348	eP	04 27 13.0	-0.5			KMI	29.9	359	+P	19 30 13.0	0.8			
			PMZ		$m_b=5.1$	0.9	0.027	GYA	31.4	6	P	19 30 25.8	0.3			
LZH	40.6	332	+P	04 27 19.0	-0.2						pP	19 30 43.8	4.3			
			PMZ		$m_b=5.1$	2.0	0.065	CD2	35.7	1	-iP	19 31 01.4	-0.7			
SNY	40.7	357	-P	04 27 20.5	0.3			LSA	36.3	342	+P	19 31 08.0	0.1			
			S	04 33 20.0	-4.7			WHN	36.9	16	eP	19 31 13.0	0.5			
			LZ		$M_s=4.3$	22.0	0.44				pP	19 31 29.5	2.6			
HHC	41.8	343	eP	04 27 28.8	-0.5						eS	19 36 52.0	0.0			
BTO	42.1	342	eP	04 27 32.9	1.7			XAN	39.2	8	P	19 31 31.5	0.1			
CN2	42.7	359	-P	04 27 35.4	-0.5			NJ2	39.7	21	-P	19 31 37.5	1.4			
			pP	04 27 54.0	3.2			SSE	39.8	25	+P	19 31 38.2	1.6			
			eS	04 33 52.0	-1.8						PMZ		$m_b=5.1$	1.0	0.028	
			LZ		$M_s=4.6$	14.0	0.50	LZH	40.8	1	+P	19 31 45.0	-0.3			
MDJ	43.6	4	-P	04 27 43.5	0.1						PMZ		$m_b=5.3$	1.6	0.074	
LSA	43.8	314	P	04 27 47.6	1.5			TIA	43.0	17	+P	19 32 02.4	-0.6			
GTA	45.2	331	+P	04 27 56.0	-0.4			TIY	43.3	11	+P	19 32 06.0	0.3			
WMQ	54.6	327	P	04 29 08.2	-0.5						eS	19 38 24.0	-4.1			
			PcP	04 30 12.5	2.9						LZ		$M_s=4.8$	16.0	0.95	
			ScS	04 38 52.0	4.9			GTA	44.2	356	+iP	19 32 13.5	0.4			
			LZ		$M_s=4.4$	20.0	0.36				LZ		$M_s=4.5$	18.0	0.59	
KSH	59.6	316	eP	04 29 44.0	0.0			BTO	45.8	7	eP	19 32 24.2	-1.1			
DEC 27d 07h 19m $58.0 \pm 0.15s$ , SD1.38 / 48 $8.55 N \pm 1.48km$ , $126.88 E \pm 1.77km$ , $h35 \pm 0.56km$ Mindanao (259) $M_s 4.6 / 2$ , $m_b 4.8 / 5$ ,																
QZN	19.5	304	eP	07 24 25.0	-0.5			HHC	46.2	9	+P	19 32 29.6	0.6			
			eS	07 27 57.0	-1.7			BJI	46.4	14	+P	19 32 30.0	0.2			
			LE		$M_s=4.6$	13.0	1.10				PMZ		$m_b=5.6$	1.0	0.079	
SSE	23.0	347	eP	07 25 03.0	1.6						LZ		$M_s=4.3$	24.0	0.38	
			pP	07 25 12.4	1.7			SNY	50.2	20	eP	19 32 57.9	-1.5			
			LZ		$M_s=4.3$	20.0	0.99	WMQ	50.5	346	+iP	19 33 02.0	0.1			
WHN	24.8	334	eP	07 25 20.0	1.4						PMZ		$m_b=5.6$	1.0	0.070	
			eS	07 29 39.0	2.6			KSH	50.8	333	P	19 33 04.0	-0.8			
			LE		$M_s=4.7$	19.0	1.52				epP	19 33 22.0	2.6			
DL2	30.6	352	eP	07 26 11.5	0.4						eS	19 40 12.0	-2.7			
BJI	32.8	345	eP	07 26 30.0	-0.4			CN2	52.5	20	+iP	19 33 17.4	0.0			
			PMZ		$m_b=4.8$	1.5	0.026				PMZ		$m_b=5.2$	1.2	0.040	
			eS	07 31 44.0	0.0						sP	19 33 40.0	1.2			
			eScS	07 36 55.5	2.5						PcP	19 34 26.7	0.7			
			LZ		$M_s=4.2$	20.0	0.48				eS	19 40 37.0	-0.9			
SNY	33.3	355	+P	07 26 35.0	0.4						LZ		$M_s=4.4$	24.0	0.40	
LZH	34.5	326	eP	07 26 43.0	-2.7			MDJ	54.8	23	eP	19 33 33.0	-0.8			
			epP	07 26 54.0	-1.1											
			sP	07 26 57.0	-2.2											
CN2	35.1	358	eP	07 26 51.2	0.5											
			sP	07 27 03.0	-1.5											
			LZ		$M_s=4.3$	17.0	0.50									





DEC 27d 20h 01m 04.6 ± 0.10s, SD1.01 / 79					DEC 27d 21h 45m 57.6 ± 0.06s, SD1.31 / 31									
4.48 S ± 1.91km, 102.88 E ± 2.22km, h66 ± 0.58km					22.39 N ± 2.21km, 143.55 E ± 2.37km, h128 ± 1.94km									
Southern Sumatera (274)					Marianas region (215)									
M <sub>S</sub> 4.9 / 13, m <sub>b</sub> 5.6 / 27,					m <sub>b</sub> 4.7 / 6,									
QZN	24.3	16	P	20 06 18.3	0.5	BJI	46.0	14	+P	20 09 23.5				
			sP	20 06 40.6	-0.5				PMZ		m <sub>b</sub> = 5.8			
			S	20 10 31.0	1.9				ePcP	20 10 59.0		-0.1		
			SS	20 11 24.5	-2.3				eScP	20 14 46.0		1.2		
			LE		M <sub>S</sub> = 4.9	14.0	1.67		eS	20 16 00.0		-2.8		
KMI	29.4	360	+P	20 07 06.0	1.2	DL2	46.5	20	eP		M <sub>S</sub> = 4.8	16.0	0.60	
			sP	20 07 27.0	-1.1				LZ		M <sub>S</sub> = 4.8	20.0	1.20	
			eS	20 11 58.0	4.8				S	20 09 28.0		0.2		
			LN		M <sub>S</sub> = 5.0	14.0	1.50		LZ'	20 16 13.0		3.2		
			LZ		M <sub>S</sub> = 4.9	16.0	2.40				M <sub>S</sub> = 4.4	28.0	0.60	
GYA	31.0	7	P	20 07 19.0	0.6	SNY	49.8	20	+P	20 09 51.2		-2.1		
			PMZ		m <sub>b</sub> = 5.6	1.2	0.12		PMZ		m <sub>b</sub> = 5.4	1.2	0.060	
			pP	20 07 33.8	0.1				LZ		M <sub>S</sub> = 4.7	28.0	1.05	
			S	20 12 21.0	4.8	WMQ	50.0	346	+iP	20 09 54.6		-0.2		
			LN		M <sub>S</sub> = 4.8	15.0	0.80				m <sub>b</sub> = 6.2	1.0	0.27	
			LE			15.0	0.40		sP	20 10 18.0		-0.8		
CD2	35.2	1	+P	20 07 54.0	-0.9				PcP	20 11 14.0		0.5		
LSA	35.8	342	+iP	20 08 00.2	-0.2				PcS	20 15 10.0		1.1		
WHN	36.5	17	-P	20 08 07.5	1.6				S	20 17 00.0		1.6		
			PMZ		m <sub>b</sub> = 5.4	1.2	0.070		LZ		M <sub>S</sub> = 4.4	22.0	0.45	
			sP	20 08 27.2	-2.6	KSH	50.3	333	P	20 09 57.5		-0.1		
			PcP	20 10 29.0	0.8				pP	20 10 12.0		-1.7		
			eS	20 13 46.0	3.0				S	20 17 06.0		2.7		
			LZ		M <sub>S</sub> = 4.5	22.0	0.91		sS	20 17 35.0		2.4		
NJ2	39.4	22	+P	20 08 30.0	0.2	CN2	52.2	21	eP	20 10 10.1		-1.3		
			PcP	20 10 37.0	-0.1				PMZ		m <sub>b</sub> = 5.9	0.8	0.12	
			LZ		M <sub>S</sub> = 4.6	22.0	1.01		pP	20 10 26.3		-1.5		
SSE	39.5	25	P	20 08 32.0	1.5				sP	20 10 32.6		-2.9		
			PMZ		m <sub>b</sub> = 5.4	1.2	0.079		eS	20 17 29.0		-0.8		
			pP	20 08 44.5	-1.9				LZ		M <sub>S</sub> = 4.7	22.0	0.80	
			sP	20 08 49.5	-5.0	MDJ	54.4	23	eP	20 10 26.5		-1.4		
			LE		M <sub>S</sub> = 4.4	10.0	0.17							
			LZ		M <sub>S</sub> = 4.6	20.0	1.00							
LZH	40.4	1	+P	20 08 37.5	-0.7									
			PMZ		m <sub>b</sub> = 6.0	1.2	0.27							
			sP	20 09 00.0	-2.0									
			PcP	20 10 40.5	0.2									
			LE		M <sub>S</sub> = 4.8	15.0	0.60							
			LZ		M <sub>S</sub> = 4.8	18.0	1.20							
TIA	42.6	17	+P	20 08 56.6	0.1									
			PcP	20 10 47.8	0.2									
			ScP	20 14 29.9	-1.4									
			eS	20 15 13.0	-1.6									
			LE		M <sub>S</sub> = 4.9	18.0	0.90							
			LZ		M <sub>S</sub> = 4.5	26.0	0.90							
TIY	42.9	11	-iP	20 08 59.4	0.4									
			PMZ		m <sub>b</sub> = 5.7	0.8	0.090							
			ScP	20 14 28.0	-4.4									
			S	20 15 19.0	1.2									
			sS	20 15 46.0	-0.4									
			LN		M <sub>S</sub> = 5.0	15.0	0.92							
			LZ		M <sub>S</sub> = 5.0	18.0	1.58							
GTA	43.8	357	+iP	20 09 06.2	0.2									
			LN		M <sub>S</sub> = 5.0	14.0	0.86							
			LZ		M <sub>S</sub> = 4.9	20.0	1.50							
BTO	45.3	8	P	20 09 19.0	0.5									
			esP	20 09 41.0	-1.5									
			eS	20 15 53.5	-0.6									
			LN		M <sub>S</sub> = 4.9	16.0	0.60							
			LE			13.0	0.20							
HHC	45.8	9	+P	20 09 22.8	0.5									
			LN		M <sub>S</sub> = 5.0	12.0	0.61							
			LE			12.0	0.19							



			PMZ	$m_b = 5.6$	1.0	0.062			
TIY	79.2	329	+P	23 39 04.0	-0.8				
BJI	79.7	333	eP	23 39 07.0	-0.2				
			PMZ	$m_b = 5.9$	1.0	0.13			
			PcP	23 39 11.0	-3.4				
			S	23 49 04.0	-3.3				
MDJ	79.8	344	eP	23 39 07.5	-0.1				
CN2	80.0	341	eP	23 39 09.0	-0.1				
			PMZ	$m_b = 5.4$	1.2	0.050			
			pP	23 39 15.5	1.0				
			eS	23 49 12.0	-0.6				
LZH	81.9	323	+P	23 39 19.5	0.2				
			PMZ	$m_b = 5.7$	1.6	0.12			
			pP	23 39 23.5	-1.0				
HHC	82.2	330	eP	23 39 21.0	0.3				
BTO	82.7	329	eP	23 39 23.0	0.0				
LSA	84.6	310	eP	23 39 34.0	0.7				
GTA	86.5	322	+iP	23 39 42.8	0.3				
			PMZ	$m_b = 5.5$	1.2	0.055			
WMQ	96.1	319	P	23 40 26.2	-0.8				
			PMZ	$m_b = 5.6$	1.5	0.020			
			PP	23 44 20.0	-0.8				
			eS	23 51 42.0	-1.3				

XAN	36.5	85	+P	14 36 33.0	0.5
TIY	37.7	78	-P	14 36 44.0	0.5
GYA	38.3	98	P	14 36 48.6	0.2
WHN	42.1	87	eP	14 37 20.5	0.8
			pP	14 37 31.0	2.7
CN2	45.1	64	eP	14 37 45.0	0.8

DEC 28d 17h 12m  $48.8 \pm 0.28s$ , SD1.31 / 39  
 $6.71 S \pm 2.85km$ ,  $112.59 E \pm 2.64km$ ,  $h36 \pm 0.76km$   
 Java  
 $m_b 4.7 / 2,$

GYA	33.5	350	P	17 19 27.8	0.7
WHN	37.1	3	eP	17 20 00.0	2.3
CD2	38.3	348	eP	17 20 08.0	-0.4
XAN	40.7	355	P	17 20 27.2	-0.5
LSA	41.7	331	eP	17 20 36.2	-0.1
TIA	42.9	5	eP	17 20 45.7	-0.3
LZH	43.3	350	P	17 20 50.0	0.1
BJI	46.6	4	eP	17 21 15.5	-0.3
HHC	47.3	359	eP	17 21 20.4	-1.1
GTA	47.4	347	eP	17 21 21.2	-0.8
SNY	49.3	11	-iP	17 21 34.6	-2.3
CN2	51.6	12	eP	17 21 53.0	-1.2
WMQ	55.1	338	P	17 22 19.0	-1.2

DEC 28d 09h 13m  $17.4 \pm 0.18s$ , SD1.12 / 39  
 $19.78 N \pm 4.04km$ ,  $155.38 W \pm 2.73km$ ,  $h7 \pm 0.22km$   
 Hawaiian Islands  
 $m_b 4.7 / 2,$

MDJ	65.8	311	eP	09 24 06.5	0.0
CN2	68.9	310	P	09 24 25.0	-0.7
			sP	09 24 36.0	2.7
			eS	09 33 25.0	-4.4
			LZ	$M_s = 4.5$	20.0
					0.30
BJI	76.4	308	eP	09 25 10.0	-0.1
TIA	76.6	304	eP	09 25 11.2	-0.3
HHC	79.6	310	eP	09 25 28.1	0.3
TIY	79.8	306	eP	09 25 28.0	-1.2
WHN	80.4	299	-P	09 25 33.0	0.8
			sP	09 25 43.0	3.4
BTO	80.8	310	P	09 25 34.8	0.6
XAN	83.7	304	P	09 25 49.0	-0.3
LZH	86.9	307	P	09 26 05.0	-0.2
GYA	88.2	297	P	09 26 15.0	3.6
GTA	88.5	311	-P	09 26 14.0	1.0
WMQ	94.4	320	eP	09 26 41.1	0.8

DEC 29d 02h 21m  $32.6 \pm 1.00s$ , SD3.42 / 8  
 $35.66 N \pm 7.95km$ ,  $76.22 E \pm 6.28km$ ,  $h22 \pm 1.29km$   
 Eastern Kashmir  
 $M_L 4.3 / 2,$

KSH	3.9	357	Pn	02 22 33.5	2.2
			Sn	02 23 21.0	3.3
			SMN	$M_L = 4.5$	1.0
			SME		0.5
					1.50
WMQ	12.0	44	P	02 24 24.0	-1.9

DEC 28d 13h 41m  $15.5 \pm 0.22s$ , SD1.88 / 41  
 $16.51 S \pm 3.20km$ ,  $69.36 W \pm 0.92km$ ,  $h194 \pm 2.03km$   
 Peru-Bolivia border region  
 (118)

WMQ	146.6	31	PKP	14 00 34.2	0.8
MDJ	147.7	334	+PKP	14 00 37.8	2.5
CN2	150.0	338	ePKP	14 00 39.0	0.1
GTA	155.3	20	ePKP	14 00 47.5	1.0
BJI	156.1	349	ePKP	14 00 48.0	0.6
XAN	162.5	5	PKP	14 00 55.2	0.4

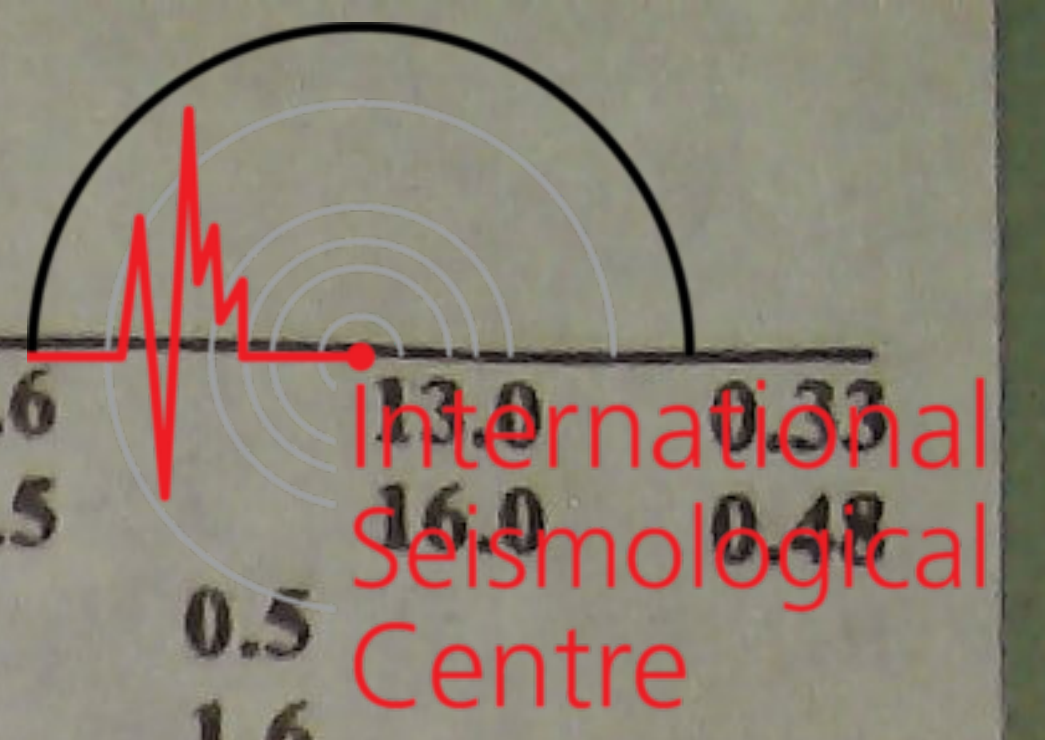
DEC 29d 04h 20m  $29.4 \pm 0.10s$ , SD1.36 / 57  
 $28.88 N \pm 1.66km$ ,  $67.20 E \pm 1.97km$ ,  $h15 \pm 0.41km$   
 Pakistan  
 $M_s 4.6 / 7, m_b 4.9 / 5,$

KSH	12.8	32	P	04 23 34.0	-0.5
			pP	04 23 41.0	1.7
			S	04 25 56.0	-1.4
			LE	$M_s = 4.9$	8.0
					2.70
LSA	20.9	82	+P	04 25 15.5	1.0
			LE	$M_s = 4.5$	10.0
					0.67
WMQ	22.2	42	P	04 25 28.0	1.2
			pP	04 25 37.0	4.2
			S	04 29 25.0	0.2
			sS	04 29 40.6	5.2
			LZ	$M_s = 4.4$	16.0
					1.04
GTA	28.8	60	eP	04 26 30.0	0.3
			LE	$M_s = 4.4$	8.0
			LZ	$M_s = 4.2$	14.0
					0.44
LZH	31.6	67	eP	04 26 51.5	-2.9
			LZ	$M_s = 4.6$	16.0
					1.00
CD2	31.7	77	eP	04 26 55.0	0.1
KMI	31.8	88	-P	04 26 56.5	0.1
GYA	34.9	84	-P	04 27 23.2	0.0
XAN	35.8	71	+P	04 27 30.0	-0.4
BTO	36.7	60	eP	04 27 40.0	1.3
			esP	04 27 52.0	4.1
			eS	04 33 24.0	2.3
			LN	$M_s = 4.7$	13.0
					0.40
			LE		13.0
					0.30
HHC	37.9	60	P	04 27 46.0	-2.7
TIY	38.5	65	+P	04 27 53.1	-0.3
			S	04 33 46.5	-0.9
			LE	$M_s = 4.7$	12.0
					0.43

DEC 28d 14h 29m  $27.9 \pm 0.06s$ , SD1.28 / 40  
 $40.54 N \pm 1.97km$ ,  $63.41 E \pm 1.08km$ ,  $h29 \pm 0.31km$   
 Uzbekistan  
 $M_s 4.6 / 2,$

KSH	9.7	92	eP	14 31 48.0	-0.3
			S	14 33 38.0	1.5
			LN	$M_s = 4.7$	8.0
					2.80
WMQ	18.3	72	P	14 33 42.0	0.5
			S	14 37 06.0	5.1
LSA	25.0	107	P	14 34 54.2	2.3
GTA	27.8	80	eP	14 35 17.4	0.3
CD2	33.9	94	eP	14 36 11.0	0.3





WHN	40.8	76	LZ	$M_s=4.5$	20.0	0.75	LN	$M_s=4.6$	13.0	0.33			
			+P	04 28 13.0	1.1		LZ	$M_s=4.5$	15.0	0.48			
			ipP	04 28 18.2	-0.1		WHN	45.7	76	eP	11 18 11.0	0.5	
BJI	41.4	61	eP	04 28 17.0	-0.5		TIA	46.7	68	eP	11 18 19.6	1.6	
			LZ	$M_s=4.1$	23.0	0.31	CN2	51.6	57	eP	11 18 57.0	0.8	
TIA	42.3	67	P	04 28 26.0	1.1		DEC 29d 14h 36m $47.6 \pm 0.18s$ , SD0.97 / 45						
NJ2	44.3	72	+P	04 28 41.6	0.8		18.79 S $\pm 1.65km$ , 175.36 W $\pm 1.51km$ , h264 $\pm 1.22km$						
DEC 29d 05h 49m $16.6 \pm 0.10s$ , SD2.23 / 23							Tonga						
39.29 N $\pm 1.24km$ , 106.98 E $\pm 0.94km$ , h11 $\pm 0.24km$							$m_b 4.9 / 8$ , (173)						
Northern China (323)													
$M_L 3.9 / 15$													
BTO	2.7	60	ePn	05 50 02.3	2.2		QZH	77.6	302	+P	14 48 16.5	-0.4	
			Pg	05 50 08.0	4.1		SSE	78.5	308	eP	14 48 22.0	-0.1	
			Sn	05 50 35.6	1.3					PMZ	$m_b=5.0$	1.0	0.025
			Sg	05 50 46.0	5.5		MDJ	80.6	324	eP	14 48 32.5	-0.5	
			SMN	$M_L=3.6$	0.3	0.25	NJ2	80.7	308	+P	14 48 34.0	0.3	
			SME		0.3	0.35	CN2	82.5	321	eP	14 48 42.4	-0.5	
HHC	3.8	65	ePn	05 50 15.0	-1.2		WHN	83.5	305	eP	14 48 47.0	-0.8	
			Pg	05 50 29.0	4.5					pP	14 49 51.0	1.2	
			Sg	05 51 19.5	2.3		BJI	86.5	314	eP	14 49 02.5	0.0	
			SMN	$M_L=4.2$	0.6	0.52	GYA	88.0	299	P	14 49 11.0	1.0	
			SME		0.6	0.68	TIY	88.0	311	+P	14 49 10.0	0.0	
LZH	4.0	219	ePg	05 50 29.0	0.7					pP	14 50 12.0	-0.5	
			Sg	05 51 23.5	0.1					S	14 59 33.0	5.2	
			SMN	$M_L=4.0$	1.0	0.36	XAN	89.1	306	P	14 49 15.3	0.2	
			SME		1.2	0.27	HHC	90.0	313	+P	14 49 20.0	0.8	
TIY	4.6	108	-Pn	05 50 26.0	0.1		KMI	90.8	296	-P	14 49 25.0	1.7	
			Pg	05 50 42.2	5.2		BTO	90.9	313	eP	14 49 24.2	0.5	
			Sn	05 51 19.3	-1.5		CD2	92.0	302	eP	14 49 29.4	0.8	
			Sg	05 51 38.0	-1.4		GTA	97.8	309	eP	14 49 55.0	-0.3	
			SMN	$M_L=4.0$	0.6	0.29	DEC 29d 15h 51m $07.6 \pm 0.12s$ , SD1.77 / 30						
			SME		0.6	0.19	24.76 N $\pm 1.29km$ , 94.50 E $\pm 1.09km$ , h96 $\pm 0.21km$						
XAN	5.5	163	Pn	05 50 42.0	3.7		Burma-India border region (294)						
			Pg	05 50 58.5	5.5		LSA	5.8	330	P	15 52 33.2	0.7	
			Sg	05 52 06.1	-1.6					S	15 53 36.8	-0.3	
			SMN	$M_L=3.9$	0.6	0.17				SMN		0.6	0.047
			SME		0.9	0.080				SME		0.5	0.045
GTA	5.6	274	Pn	05 50 44.4	4.7		KMI	7.5	86	eP	15 52 58.0	1.8	
			Pg	05 50 58.0	3.4		GYA	11.1	79	P	15 53 49.0	4.0	
			SMN	$M_L=3.7$	0.6	0.092	LZH	13.9	33	P	15 54 19.0	-2.3	
			SME		0.6	0.058	GTA	15.3	16	eP	15 54 38.6	-0.9	
BJI	7.1	81	Pg	05 51 25.0	2.4		WMQ	19.8	345	P	15 55 34.0	0.9	
			Sg	05 52 58.5	-1.6		TIY	20.0	46	eP	15 55 36.1	0.9	
			SMN	$M_L=4.1$	1.0	0.090	DEC 29d 17h 00m $58.9 \pm 0.09s$ , SD1.13 / 55						
			SME		1.0	0.080	15.77 N $\pm 1.52km$ , 147.27 E $\pm 2.08km$ , h41 $\pm 1.59km$						
WHN	10.6	143	eP	05 51 51.0	-0.8		Marianas (216)						
DEC 29d 11h 09m $50.3 \pm 0.14s$ , SD1.40 / 45							$M_s 4.6 / 4$ , $m_b 5.2 / 4$ ,						
31.46 N $\pm 2.18km$ , 60.57 E $\pm 1.61km$ , h33 $\pm 0.07km$							SSE						
Iran (348)							28.3						
$M_s 4.5 / 4$							307						
WMQ	24.7	52	-iP	11 15 11.0	1.3					eP	17 06 48.1	-2.8	
			eS	11 19 28.0	1.3					LE	$M_s=4.6$	16.0	0.76
			sS	11 19 42.6	1.6					LZ	$M_s=4.4$	20.0	0.89
			LZ	$M_s=4.3$	20.0	0.94	WHN	33.5	302	-P	17 07 37.0	0.1	
GTA	32.7	65	eP	11 16 22.4	-0.4					pP	17 07 48.0	0.4	
			LE	$M_s=4.5$	12.0	0.40	CN2	33.5	331	eP	17 07 37.0	-0.3	
			LZ	$M_s=4.4$	16.0	0.58				pP	17 07 48.0	0.1	
LZH	36.1	71	P	11 16 51.0	-0.2					eS	17 12 56.0	0.5	
			LZ	$M_s=4.3$	20.0	0.50	BJI	36.3	318	eP	17 08 00.0	-0.7	
KMI	37.5	89	+P	11 17 04.0	0.6					LZ	$M_s=4.4$	18.0	0.60
GYA	40.4	85	P	11 17 30.2	2.6					eS	17 13 40.0	2.1	
XAN	40.5	73	P	11 17 26.6	-1.2		TIY	37.7	312	eP	17 08 15.4	2.7	
BTO	40.6	63	eP	11 17 29.0	0.2					LN	$M_s=4.6$	17.0	0.48
HHC	41.7	62	eP	11 17 41.0	2.6					LZ	$M_s=4.4$	20.0	0.63
TIY	42.7	67	eP	11 17 45.5	-0.9		XAN	39.0	305	-P	17 08 22.7	-0.5	
			S	11 24 07.0	0.4		GYA	39.2	293	P	17 08 26.6	1.4	
							BTO	40.7	315	eP	17 08 37.6	0.3	
							CD2	42.4	299	eP	17 08 51.6	-0.2	



KMI	42.6	290	eP	17 08 55.0	1.7		
LZH	43.5	306	+P	17 09 01.0	-0.1		
			PMZ		$m_b = 5.2$	0.8	0.031
GTA	47.5	309	eP	17 09 33.0	0.2		
			LE		$M_s = 4.7$	14.0	0.35
			LZ		$M_s = 4.6$	18.0	0.59
LSA	53.1	295	+iP	17 10 16.8	1.1		
WMQ	57.4	312	P	17 10 46.0	0.0		
			S	17 18 42.0	5.3		
			LZ		$M_s = 4.5$	20.0	0.43
KSH	65.8	307	eP	17 11 45.0	1.9		

DEC 29d 18h 59m  $03.1 \pm 0.11s$ , SD1.14 / 29  
7.85 N  $\pm 1.18km$ , 126.94 E  $\pm 1.69km$ , h57  $\pm 0.49km$   
Mindanao (259)

$M_s 4.4 / 1$ ,  $m_b 4.9 / 2$ ,

QZN	20.0	306	eP	19 03 33.4	-0.3		
			PP	19 03 52.5	-0.9		
			LN		$M_s = 4.4$	14.0	0.80
XAN	30.9	330	eP	19 05 14.5	-2.6		
BJI	33.5	345	P	19 05 39.0	-0.3		
SNY	34.0	355	-iP	19 05 44.4	0.8		
CN2	35.8	358	eP	19 05 59.4	-0.1		
MDJ	36.7	3	+P	19 06 08.5	1.7		
LSA	40.0	308	eP	19 06 36.0	1.2		

DEC 29d 21h 26m  $09.0 \pm 0.13s$ , SD1.85 / 32  
24.23 N  $\pm 1.49km$ , 94.30 E  $\pm 1.18km$ , h89  $\pm 0.19km$   
Burma-India border region (294)

LSA	6.1	333	+P	21 27 40.8	1.6		
			S	21 28 48.2	0.1		
			SMN			0.6	0.038
			SME			0.5	0.064
KMI	7.7	82	+iP	21 28 02.5	1.5		
GYA	11.4	76	P	21 28 54.0	3.4		
GTA	15.8	16	eP	21 29 46.0	-2.4		
XAN	16.1	49	eP	21 29 50.0	-1.2		
WHN	18.9	66	eP	21 30 25.5	0.6		
WMQ	20.3	346	P	21 30 41.2	1.2		

DEC 30d 01h 54m  $24.8 \pm 0.03s$ , SD1.64 / 7  
29.70 N  $\pm 0.21km$ , 99.13 E  $\pm 0.29km$ , h38  $\pm 0.37km$   
Tibet (306)

$M_s 4.2 / 1$ ,  $M_L 3.3 / 1$ ,

LZH	7.5	31	ePg	01 56 37.5	-0.1		
			LN		$M_s = 4.2$	7.0	1.00
			LE			9.0	0.90

DEC 30d 04h 42m  $51.2 \pm 0.17s$ , SD1.01 / 79  
16.17 S  $\pm 1.49km$ , 167.99 E  $\pm 1.17km$ , h191  $\pm 1.82km$   
Vanuatu (New Hebrides) (186)

$m_b 5.6 / 3$ ,  $m_b 5.4 / 26$ ,

SSE	65.0	316	P	04 53 10.0	-3.6		
			PMZ		$m_b = 5.3$	1.4	0.090
			PMZ		$m_b = 5.6$	5.0	0.53
			pP	04 53 55.0	-2.7		
			eS	05 01 40.0	0.7		
			sS	05 02 52.0	-4.1		
QZN	67.0	299	eP	04 53 26.2	-0.2		
			eS	05 02 03.0	-0.6		
			sS	05 03 16.0	-4.8		
NJ2	67.2	316	+P	04 53 25.0	-2.2		
WHN	69.4	312	eP	04 53 38.5	-2.5		
			PMZ		$m_b = 5.5$	1.5	0.15
			pP	04 54 23.0	-2.6		
			S	05 02 32.0	1.7		
DL2	69.9	323	-P	04 53 43.5	-0.2		
			PMZ		$m_b = 6.1$	0.8	0.28

			pP	04 54 28.0	-0.3		
			sP	04 54 48.0	-0.9		
MDJ	69.9	332	-P	04 53 43.7	-0.1		
			pP	04 54 25.0	-3.4		
			sP	04 54 45.5	-3.5		
SNY	70.8	326	-iP	04 53 48.0	-1.2		
			PMZ		$m_b = 5.4$	0.6	0.050
			pP	04 54 30.0	-3.9		
			sP	04 54 53.0	-1.6		
			eS	05 02 42.0	-5.5		
TIA	70.9	318	-P	04 53 48.9	-0.9		
CN2	71.2	329	-iP	04 53 51.6	-0.3		
			PMZ		$m_b = 5.9$	0.6	0.16
			pP	04 54 34.0	-2.7		
GYA	73.1	305	-P	04 54 03.0	-0.2		
			PMZ		$m_b = 5.4$	1.2	0.10
			S	05 03 17.0	4.6		
			sS	05 04 31.0	-1.3		
BJI	73.8	321	-P	04 54 07.0	-0.2		
			PMZ		$m_b = 5.6$	1.8	0.22
			esP	04 55 08.0	-4.7		
			ePP	04 56 51.0	-4.4		
			eS	05 03 21.0	-0.8		
			eScS	05 03 56.0	1.7		
			esS	05 04 36.0	-4.4		
TIY	74.8	317	-P	04 54 12.5	-0.3		
			PMZ		$m_b = 5.5$	1.5	0.13
			pP	04 54 55.0	-2.9		
			sP	04 55 19.0	0.7		
XAN	75.2	313	-P	04 54 14.9	-0.1		
KMI	75.6	302	-P	04 54 19.0	1.1		
			PMZ		$m_b = 5.7$	2.0	0.32
			PcP	04 54 33.0	4.0		
			pP	04 55 01.5	-1.4		
			sP	04 55 21.5	-1.8		
			S	05 03 46.0	5.4		
HHC	77.1	320	-P	04 54 26.6	0.6		
CD2	77.4	308	eP	04 54 28.0	0.4		
BTO	78.0	319	-iP	04 54 31.0	0.5		
			pP	04 55 12.0	-3.9		
			S	05 04 08.0	2.6		
LZH	79.8	312	-P	04 54 41.0	0.5		
			PMZ		$m_b = 5.5$	2.0	0.20
			PMZ		$m_b = 5.3$	8.0	0.48
			eS	05 04 25.0	-1.8		
			SKS	05 04 39.0	5.9		
GTA	84.2	314	-iP	04 55 03.8	0.8		
			PMZ		$m_b = 5.5$	1.2	0.10
			SKS	05 05 09.5	6.2		
LSA	86.9	302	-iP	04 55 19.0	2.2		
			SKS	05 05 27.0	5.5		
			SME		$m_b = 6.1$	4.0	0.67
WMQ	94.2	314	-iP	04 55 51.0	0.5		
			pP	04 56 35.0	-2.0		
			PP	04 59 39.0	-2.7		
			SKS	05 06 08.5	4.0		
			S	05 06 42.0	1.4		
			SMN			2.5	0.080

DEC 30d 06h 36m  $37.1 \pm 0.15s$ , SD1.87 / 20  
23.68 N  $\pm 1.08km$ , 121.67 E  $\pm 1.53km$ , h15  $\pm 0.10km$   
Taiwan (244)

QZH	3.1	295	+Pn	06 37 26.2	0.6		
			iSn	06 37 58.5	-5.5		
			SMN		$M_L = 4.2$	0.8	1.20
			SME			0.8	0.61
SSE	7.4	357	eP	06 38 26.0	-1.4		





		SMN	$M_L = 3.4$	1.0	0.011			S	12 57 31.0	4.1		
		SME		0.7	0.017			LN	$M_S = 4.8$	11.0	0.73	
NJ2	8.7 344	+P	06 38 44.5	-1.1				LZ	$M_S = 4.7$	15.0	1.18	
WHN	9.4 318	eP	06 38 53.0	-2.9			BJI	33.3 345	eP	12 52 24.0	-0.8	
		SMN			1.0	0.040		PMZ	$m_b = 5.2$		1.2	0.049
		SME			1.0	0.050		eS	12 57 44.0		1.3	
DEC 30d 10h 51m $21.3 \pm 0.07s$ , SD0.80 / 17							SNY	33.8 355	+P	12 52 28.5	-0.5	
26.43 S $\pm 0.79km$ , 178.35 E $\pm 0.31km$ , h622 $\pm 0.93km$								PMZ	$m_b = 5.8$		1.0	0.14
South of Fiji (171)								pP	12 52 40.6		2.5	
$m_b 4.4 / 2$ ,								S	12 57 51.0		1.6	
SSE	79.1 313	P	11 02 26.6	2.0				SME	$m_B = 5.5$		7.5	0.69
		PMZ	$m_b = 4.4$		1.0	0.017		LZ	$M_S = 4.7$		20.0	1.57
WHN	83.4 309	eP	11 02 45.5	-1.1			LZH	35.0 326	+P	12 52 39.0	-0.6	
BJI	87.8 317	eP	11 03 08.0	0.1				PMZ	$m_b = 4.9$		1.6	0.035
TIY	88.8 314	+P	11 03 12.0	-0.7				eS	12 58 10.0		0.6	
GTA	98.1 310	eP	11 03 55.0	-0.1				LN	$M_S = 4.9$		11.0	0.80
								LZ	$M_S = 4.9$		19.0	2.00
DEC 30d 12h 45m $47.2 \pm 0.15s$ , SD1.62 / 74							HHC	35.5 340	eP	12 52 43.0	-0.3	
7.99 N $\pm 1.92km$ , 126.98 E $\pm 2.69km$ , h32 $\pm 0.19km$								S	12 58 15.1		0.2	
Mindanao (259)								LN	$M_S = 4.6$		12.0	0.41
$M_S 4.9 / 22$ , $m_b 5.6 / 7$ , $m_b 5.1 / 14$ ,								LZ	$M_S = 4.8$		18.0	1.37
QZH	18.7 336	+P	12 50 08.0	3.0			CN2	35.7 358	eP	12 52 44.6	-0.4	
		S	12 53 30.0	1.8				pP	12 52 56.4		2.3	
		LZ	$M_S = 4.3$		16.0	1.19		eS	12 58 18.0		-1.1	
QZN	19.9 305	eP	12 50 19.9	0.6				LZ	$M_S = 4.5$		18.0	0.80
		PP	12 50 40.0	1.8			BTO	35.8 338	eP	12 52 43.0	-3.2	
		S	12 53 57.0	0.7				sP	12 53 00.0		1.0	
		SS	12 54 22.0	-2.4				ePP	12 54 04.5		-2.6	
		LN	$M_S = 4.9$		16.0	1.68		eS	12 58 15.0		-6.2	
		LE			17.0	2.38		LN	$M_S = 5.0$		15.0	1.00
SSE	23.6 348	P	12 50 58.0	1.6				LE			15.0	0.80
		PMZ	$m_b = 5.1$		1.0	0.084	MDJ	36.6 3	eP	12 52 53.9	1.6	
		PMZ	$m_B = 5.6$		5.0	1.27		pP	12 53 02.8		1.4	
		S	12 55 04.0	-0.9				S	12 58 34.0		2.6	
		LN	$M_S = 4.7$		12.0	0.70		LZ	$M_S = 4.6$		20.0	0.90
		LE			12.0	0.81	GTA	39.6 326	eP	12 53 18.0	-0.2	
		LZ	$M_S = 4.3$		20.0	0.92		LZ	$M_S = 4.7$		18.0	0.94
NJ2	25.1 344	+P	12 51 12.0	1.1			LSA	39.9 307	+P	12 53 23.0	2.0	
		PMZ	$m_B = 5.6$		4.0	0.72		S	12 59 28.0		5.3	
		LN	$M_S = 4.7$		10.0	0.52	WMQ	49.4 323	P	12 54 37.0	0.3	
		LE			10.0	0.45		PcP	12 56 00.0		1.8	
		LZ	$M_S = 4.6$		10.0	0.84		LZ	$M_S = 4.9$		16.0	1.05
WHN	25.4 334	eP	12 51 10.0	-3.3			KSH	55.3 313	eP	12 55 22.0	1.3	
		sP	12 51 27.5	1.4			DEC 30d 13h 12m $50.4 \pm 0.07s$ , SD1.53 / 47					
		S	12 55 32.0	-2.6			40.98 N $\pm 1.64km$ , 142.42 E $\pm 1.40km$ , h83 $\pm 0.95km$					
		LE	$M_S = 4.9$		15.0	1.74	Near east coast of Honshu (228)					
		LZ	$M_S = 4.3$		20.0	0.88	$m_b 4.2 / 4$ ,					
KMI	28.7 309	eP	12 51 44.5	0.2			MDJ	10.1 295	eP	13 15 16.2	1.6	
		pP	12 51 55.5	2.5			CN2	12.9 288	eP	13 15 52.0	0.5	
		S	12 56 30.0	0.9			SNY	14.2 280	eP	13 16 09.5	1.0	
		LE	$M_S = 4.9$		16.0	1.50	BJI	20.0 276	eP	13 17 16.0	-2.5	
		LZ	$M_S = 4.7$		20.0	2.00	NJ2	20.9 252	+P	13 17 28.0	-0.1	
TIA	29.5 344	eP	12 51 50.0	-1.0			TIY	23.4 272	eP	13 17 50.6	-2.0	
		S	12 56 44.5	3.1				eS	13 21 54.0		-2.1	
XAN	30.8 330	P	12 52 01.0	-1.7			WHN	24.9 254	-P	13 18 11.0	3.2	
DL2	31.2 352	eP	12 52 07.0	1.3			XAN	27.3 266	eP	13 18 29.0	-1.0	
		PMZ	$m_b = 5.6$		1.0	0.10	GTA	32.3 281	-P	13 19 14.8	0.3	
		pP	12 52 17.0	2.4			GYA	32.8 255	P	13 19 19.0	0.3	
		eS	12 57 10.0	1.6			WMQ	39.9 293	P	13 20 19.2	1.0	
		LN	$M_S = 4.9$		10.0	0.57		pP	13 20 37.0		-0.5	
		LE			10.0	0.73		eS	13 26 22.0		4.9	
		LZ	$M_S = 4.4$		16.0	0.61	LSA	42.8 271	P	13 20 44.2	2.0	
CD2	31.5 320	eP	12 52 07.0	-1.6			KSH	49.6 291	P	13 21 35.0	-1.2	
		eS	12 57 11.0	-2.5			DEC 30d 16h 08m $35.3 \pm 0.21s$ , SD1.94 / 17					
		LN	$M_S = 4.8$		12.0	0.87	10.00 N $\pm 1.92km$ , 125.67 E $\pm 4.12km$ , h39 $\pm 0.63km$					
		LZ	$M_S = 4.5$		16.0	0.89						
TIY	32.4 338	eP	12 52 12.5	-4.1								

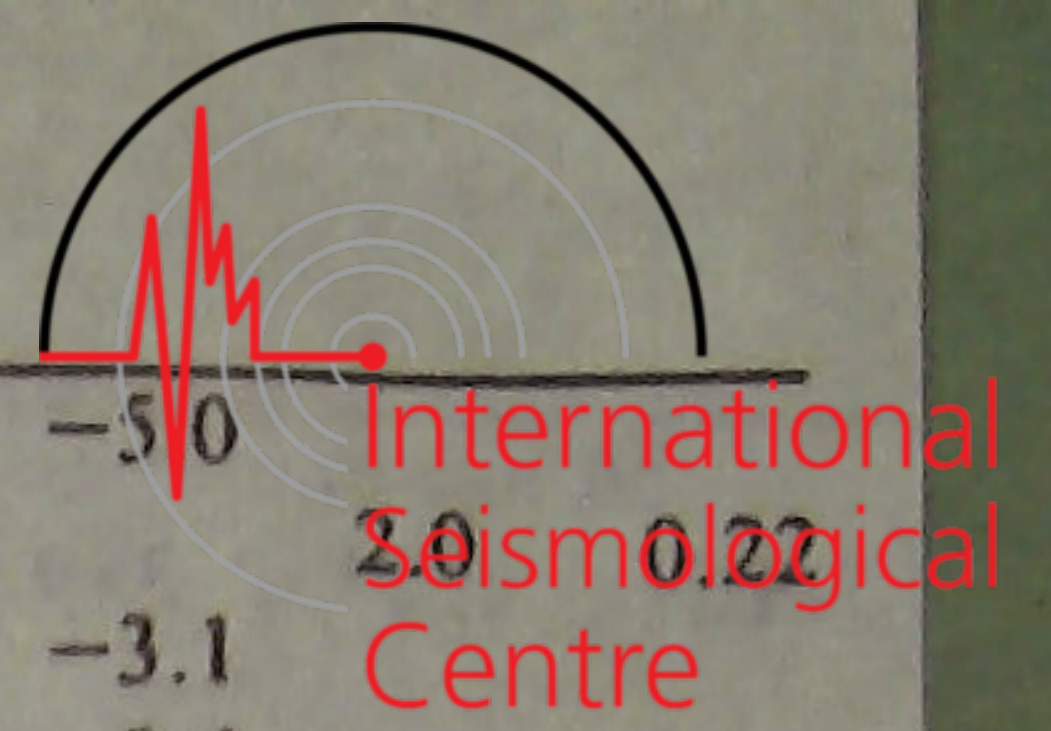




Mindanao (259)			
SSE	21.4 349	P	16 13 22.0 0.0
		pP	16 13 30.0 -1.8
		S	16 17 17.0 5.5
		sS	16 17 28.0 -0.2
XAN	28.4 330	P	16 14 27.0 -2.0
TIY	30.1 339	eP	16 14 43.0 -0.5
BJI	31.1 346	eP	16 14 56.0 3.5
HHC	33.2 340	eP	16 15 10.6 -0.2
BTO	33.5 338	eP	16 15 11.4 -2.1
GTA	37.3 326	eP	16 15 45.0 -0.8
DEC 30d 21h 57m 59.0 ± 0.13s, SD1.25 / 38 5.85 S ± 3.39km, 153.57 E ± 4.15km, h36 ± 2.05km New Britain region (192) m <sub>b</sub> 4.8 / 4,			
WHN	52.1 316	eP	22 07 11.0 2.5
		pP	22 07 23.0 4.5
MDJ	54.7 339	eP	22 07 30.2 3.0
CN2	55.6 336	eP	22 07 36.2 2.5
BJI	57.2 326	eP	22 07 44.5 -0.8
TIY	57.8 322	eP	22 07 48.6 -1.3
CD2	60.0 311	eP	22 08 04.5 -0.5
HHC	60.3 324	eP	22 08 07.0 -0.4
BTO	61.1 323	eP	22 08 12.0 -0.5
LZH	62.5 316	P	22 08 21.5 -0.6
		PMZ	m <sub>b</sub> = 4.9 1.5 0.025
		LZ	M <sub>S</sub> = 4.7 20.0 0.50
GTA	66.9 317	eP	22 08 51.0 0.3
LSA	69.5 305	P	22 09 07.6 0.8
WMQ	77.0 317	P	22 09 51.8 0.9
DEC 30d 23h 15m 35.1 ± 0.17s, SD1.23 / 65 3.38 S ± 2.02km, 146.41 E ± 2.09km, h40 ± 0.44km Near north coast of New Guinea (200) M <sub>S</sub> 6.4 / 11, m <sub>b</sub> 6.0 / 5, m <sub>b</sub> 5.3 / 12,			
SSE	41.9 327	eP	23 23 22.5 -1.1
QZN	42.3 303	eP	23 23 26.6 -0.6
NJ2	43.9 325	eP	23 23 35.2 -4.9
WHN	45.6 320	+P	23 23 55.0 1.6
		PMZ	m <sub>B</sub> = 6.2 4.0 1.47
		S	23 30 30.0 -1.1
		LN	M <sub>S</sub> = 6.1 10.0 5.51
		LE	9.0 4.37
		LZ	M <sub>S</sub> = 5.4 24.0 5.50
DL2	47.9 334	eP	23 24 12.8 1.0
		PMZ	m <sub>b</sub> = 5.6 1.3 0.10
		pP	23 24 24.0 1.5
		eS	23 31 08.0 2.6
TIA	48.0 328	eP	23 24 11.7 -0.7
GYA	48.5 310	P	23 24 18.6 1.6
		sP	23 24 33.0 1.1
SNY	49.6 338	+P	23 24 26.2 1.5
		sP	23 24 42.0 2.3
		S	23 31 32.0 4.4
		SME	m <sub>B</sub> = 6.0 8.0 1.50
		LN	M <sub>S</sub> = 6.6 18.0 23.0
		LE	21.0 34.6
		LZ	M <sub>S</sub> = 6.5 25.0 62.3
CN2	50.6 340	eP	23 24 33.0 0.2
KMI	51.0 306	+P	23 24 36.5 0.8
		sP	23 24 52.0 1.5
		S	23 31 49.0 1.9
		LN	M <sub>S</sub> = 6.2 14.0 9.60
XAN	51.3 320	P	23 24 37.5 -0.6
BJI	51.3 330	eP	23 24 37.0 -1.3
		PMZ	m <sub>b</sub> = 5.3 2.0 0.083
TIY	51.6 326	eP	23 24 39.3 -1.2

HHC	54.3 328	eP	23 25 00.6 0.1
		pP	23 25 13.5 2.3
BTO	55.0 327	eP	23 25 05.0 -0.4
LZH	55.9 319	eP	23 25 11.5 -0.3
		PMZ	m <sub>b</sub> = 5.5 2.5 0.14
		PMZ	3.0 0.41
GTA	60.4 320	eP	23 25 43.6 0.2
LSA	62.2 306	P	23 25 57.0 0.8
WMQ	70.4 319	P	23 26 47.8 -0.3
		S	23 36 00.0 4.6
KSH	77.2 312	eP	23 27 27.0 -0.9
		pP	23 27 42.0 3.4
		PP	23 30 22.0 -0.3
		eS	23 37 10.0 -3.8
		LE	M <sub>S</sub> = 6.3 11.0 4.70
DEC 30d 23h 18m 50.9 ± 0.13s, SD1.29 / 87 3.35 S ± 1.88km, 146.13 E ± 2.85km, h40 ± 0.31km Near north coast of New Guinea (200) M <sub>S</sub> 6.4 / 46, m <sub>B</sub> 6.4 / 19, m <sub>b</sub> 5.8 / 24,			
QZH	38.8 318	+P	23 26 15.0 1.1
		S	23 32 11.0 3.3
		LZ	M <sub>S</sub> = 6.4 32.0 98.3
GZH	41.4 311	+P	23 26 37.0 1.7
		pP	23 26 47.0 1.1
		S	23 32 48.2 1.9
		LN	M <sub>S</sub> = 6.3 12.0 12.9
		LE	14.0 10.0
		LZ	M <sub>S</sub> = 6.2 37.0 60.2
SSE	41.7 327	P	23 26 38.2 0.4
		PMZ	m <sub>b</sub> = 5.9 1.8 0.33
		PMZ	m <sub>B</sub> = 6.2 5.0 1.78
		pP	23 26 48.0 -0.4
		S	23 32 52.0 1.2
		sS	23 33 14.0 4.5
		SS	23 35 54.0 1.4
		ScS	23 36 32.0 -2.5
		LN	M <sub>S</sub> = 6.5 18.0 28.5
		LE	13.0 14.2
QZN	42.1 303	eP	23 26 41.0 0.2
		sP	23 26 56.5 0.6
		PP	23 28 23.0 1.5
		S	23 32 56.5 0.4
		LN	M <sub>S</sub> = 6.3 13.5 15.4
NJ2	43.7 326	-P	23 26 55.0 0.7
		iS	23 33 23.0 1.8
		LN	M <sub>S</sub> = 6.6 17.0 30.5
		LE	14.5 18.2
		LZ	M <sub>S</sub> = 6.3 20.0 40.9
WHN	45.3 320	+iP	23 27 08.0 0.6
		PMZ	m <sub>b</sub> = 5.4 1.0 0.060
		PMZ	m <sub>B</sub> = 6.4 4.0 1.97
		pP	23 27 19.0 0.9
		iS	23 33 42.0 -2.8
		LN	M <sub>S</sub> = 6.4 13.0 15.5
		LE	13.0 6.70
		LZ	M <sub>S</sub> = 6.2 32.0 45.1
DL2	47.7 334	eP	23 27 26.0 -0.3
		PMZ	m <sub>b</sub> = 6.2 1.4 0.42
		pP	23 27 35.0 -1.9
		eS	23 34 19.0 0.1
		SMN	28.0 27.9
		LN	M <sub>S</sub> = 6.6 18.0 35.8
		LZ	M <sub>S</sub> = 6.2 34.0 50.4
TIA	47.8 328	eP	23 27 25.5 -1.1
		LN	M <sub>S</sub> = 6.6 17.0 24.0
		LE	14.0 18.0
		LZ	M <sub>S</sub> = 6.5 20.0 56.4





GYA	48.3	310	P	23 27	33.0	2.1			LZH	55.7	319	+P	23 28	21.0	-5.0			
			sP	23 27	46.0	0.2			PMZ			$m_b = 5.8$						
			LN			$M_s = 6.4$	18.0	15.8		pP	23 28	33.5	-3.1					
			LE				18.0	13.8		S	23 36	07.0	0.6					
			LZ			$M_s = 5.9$	36.0	26.3		LN			$M_s = 6.7$	12.0	7.70			
SNY	49.4	338	eP	23 27	37.4	-1.9			LE				23.0	41.3				
			S	23 34	47.0	5.6			LZ			$M_s = 6.2$	30.0	33.6				
			SMN			$m_b = 6.5$	11.5	7.80	GTA	60.2	320	+P	23 28	57.7	0.0			
			LN			$M_s = 6.4$	16.0	14.2	pP	23 29	05.0	-3.3						
			LE				14.0	10.6	S	23 37	08.0	2.5						
MDJ	50.0	345	LZ			$M_s = 6.6$	23.0	66.5	LE			$M_s = 6.2$	24.0	13.9				
			-P	23 27	43.5	-0.2			LZ			$M_s = 6.1$	42.0	33.6				
			pP	23 27	55.0	0.7			LZA	62.0	306	+P	23 29	11.2	1.0			
			S	23 34	50.0	0.7			sP	23 29	24.0	-1.1						
			LE			$M_s = 6.7$	22.0	48.7	LN			$M_s = 5.8$	9.0	1.71				
CN2	50.5	341	LZ			$M_s = 6.2$	24.0	32.2	LE				9.0	0.99				
			eP	23 27	47.3	-0.2			LZ			$M_s = 5.5$	9.0	1.66				
			PMZ			$m_b = 5.2$	1.0	0.030	WMQ	70.2	319	+iP	23 30	02.2	-0.3			
			PMZ			$m_b = 6.4$	6.0	2.90	pP	23 30	12.0	-1.3						
			pP	23 27	57.0	-1.1			S	23 39	10.0	1.3						
KMI	50.7	306	PP	23 29	42.0	-1.4			LN			$M_s = 6.3$	14.0	3.66				
			S	23 34	56.0	-0.2			LE				14.0	6.49				
			SMN			$m_b = 6.3$	12.0	4.00	LZ			$M_s = 6.3$	36.0	31.4				
			SME				12.0	2.60	KSH	77.0	312	P	23 30	44.0	1.7			
			SS	23 38	34.0	6.6			pP	23 30	54.0	1.0						
XAN	51.1	320	+P	23 27	50.0	0.5			S	23 40	31.0	5.9						
			PMZ			$m_b = 6.1$	1.5	0.35	LN			$M_s = 6.5$	16.0	12.7				
			PMZ			$m_b = 5.9$	7.0	1.10	LZ			$M_s = 6.4$	24.0	24.1				
			sP	23 28	06.0	1.7			DEC 31d 00h 11m 23.6 ± 0.23s, SD1.77 / 40 3.16 S ± 1.75km, 146.96 E ± 4.62km, h32 ± 0.40km Bismarck Sea (203) $m_b 4.8 / 5,$									
			LN			$M_s = 6.1$	16.0	10.0	WHN	45.7	320	+P	00 19	47.5	3.3			
BJI	51.2	331	LZ			$M_s = 6.3$	16.0	24.0	pP	00 19	56.5	3.1						
			P	23 27	52.0	-0.2			SNY	49.6	337	eP	00 20	16.2	2.1			
			S	23 35	05.0	0.3			CN2	50.6	340	eP	00 20	23.0	1.0			
			LN			$M_s = 6.5$	16.0	17.8	BJI	51.4	330	eP	00 20	30.0	1.7			
			LE				15.0	11.5	CD2	53.3	313	eP	00 20	43.4	1.0			
TIY	51.4	326	eP	23 27	52.5	-0.2			HHC	54.4	327	eP	00 20	49.0	-1.7			
			PMZ			$m_b = 5.4$	1.0	0.048	LZH	56.1	318	P	00 21	03.5	0.8			
			PMZ			$m_b = 6.4$	6.0	2.84	PMZ			$m_b = 5.1$	1.5	0.039				
			eS	23 35	10.0	3.2			GTA	60.6	319	eP	00 21	32.5	-1.6			
			LN			$M_s = 6.7$	20.0	36.8	DEC 31d 02h 45m 48.8 ± 0.14s, SD1.47 / 41 3.24 S ± 1.83km, 146.49 E ± 2.63km, h34 ± 0.30km Near north coast of New Guinea (200) $M_s 5.0 / 3, m_b 4.8 / 6,$									
CD2	52.8	313	LE				20.0	26.6	SSE	41.8	327	P	02 53	41.4	4.1			
			LZ			$M_s = 6.5$	22.0	48.6	PMZ			$m_b = 5.0$	1.4	0.036				
			+P	23 27	53.0	-1.8			LZ			$M_s = 4.9$	20.0	1.49				
			pP	23 28	01.5	-3.8			WHN	45.5	320	eP	02 54	09.0	1.8			
			S	23 35	03.0	-6.3			sP	02 54	24.5	3.8						
HHC	54.1	328	LN			$M_s = 6.4$	14.0	15.0	eS	03 00	50.0	3.8						
			LZ			$M_s = 6.9$	15.0	93.0	LE			$M_s = 5.0$	15.0	0.83				
			eP	23 28	04.7	-0.4			LZ			$M_s = 4.5$	20.0	0.63				
			PP	23 30	05.8	0.7			BJI	51.3	330	eP	02 54	50.5	-1.4			
			S	23 35	30.0	1.7			PMZ			$m_b = 4.6$	1.5	0.013				
BTO	54.8	327	SS	23 39	07.6	1.5			TIY	51.5	325	eP	02 54	52.5	-1.7			
			LN			$M_s = 6.2$	12.0	8.46	S	03 02	10.0	-0.2						
			LZ			$M_s = 6.2$	44.0	48.5	LN			$M_s = 4.8$	11.0	0.33				
			-iP	23 28	15.0	0.1			LZ			$M_s = 4.9$	24.0	1.36				
			sP	23 28	29.0	-1.1			CD2	53.0	313	eP	02 55	05.4	0.3			
BTO	54.8	327	sS	23 36	02.0	-3.4			HHC	54.2	328	eP	02 55	13.5	-0.8			
			SS	23 39	26.0	-1.1			BTO	54.9	326	eP	02 55	19.0	-0.1			
			LN			$M_s = 6.6$	18.0	18.7	LZH	55.8	318	P	02 55	25.5	-0.2			
			LE				19.0	26.7	PMZ			$m_b = 5.2$	1.5	0.042				
			LZ			$M_s = 6.7$	38.0	121	sP	02 55	40.0	0.8						



		LZ	$M_s = 5.0$	22.0	1.30
GTA	60.3	320	eP	02 55 57.5	0.2
WMQ	70.4	319	P	02 57 02.0	0.0
		pP		02 57 15.2	3.5
		eS		03 06 05.0	-6.4
		LZ	$M_s = 5.0$	12.0	0.57

DEC 31d 02h 52m  $03.9 \pm 0.18s$ , SD1.16 / 32  
 $3.30 S \pm 1.24km$ ,  $146.82 E \pm 2.98km$ ,  $h32 \pm 0.35km$   
 Bismarck Sea (203)  
 $m_b 5.1 / 1$ ,

WHN	45.8	320	eP	03 00 23.0	-1.6
TIA	48.1	327	eP	03 00 43.3	0.2
BJI	51.5	330	P	03 01 09.0	0.1
TIY	51.8	325	eP	03 01 10.0	-1.3
		S		03 08 29.0	0.0
CD2	53.3	313	eP	03 01 22.9	0.3
BTO	55.1	326	eP	03 01 37.0	0.8
LZH	56.1	318	P	03 01 42.5	-0.5
		PMZ	$m_b = 5.1$	2.0	0.051
GTA	60.6	319	eP	03 02 14.0	-0.5
WMQ	70.6	319	eP	03 03 19.5	0.5

DEC 31d 06h 03m  $00.3 \pm 0.08s$ , SD0.95 / 15  
 $11.81 S \pm 1.38km$ ,  $166.27 E \pm 0.75km$ ,  $h73 \pm 0.79km$   
 Santa Cruz Islands (184)

CN2	66.7	329	eP	06 13 44.0	-2.1
TIY	70.5	317	eP	06 14 09.2	-0.5
CD2	73.5	307	-P	06 14 27.8	0.2
GTA	80.0	314	eP	06 15 04.1	0.0

DEC 31d 08h 24m  $49.7 \pm 0.09s$ , SD2.53 / 18  
 $39.86 N \pm 1.02km$ ,  $113.85 E \pm 0.91km$ ,  $h9 \pm 0.09km$   
 North-Eastern China (658)  
 $M_L 3.7 / 14$ ,

BJI	1.8	84	Pn	08 25 21.0	-0.1
			Pg	08 25 22.0	0.6
			Sn	08 25 45.0	-0.8
			Sg	08 25 47.0	1.1
			SMN	$M_L = 3.2$	0.5
			SME		0.5
HHC	2.0	300	ePn	08 25 21.4	-2.8
			iPg	08 25 25.6	0.5
			Sn	08 25 48.5	-2.6
			Sg	08 25 52.8	0.2
			SMN	$M_L = 3.8$	0.4
			SME		0.4
TIY	2.4	208	+Pn	08 25 30.4	0.6
			-iPg	08 25 33.3	1.0
			Sn	08 26 01.4	0.2
			Sg	08 26 05.8	0.4
			SMN	$M_L = 4.1$	0.6
			SME		0.7
BTO	3.0	285	Pn	08 25 43.6	5.4
			Pg	08 25 46.6	3.5
			Sn	08 26 22.5	6.2
			Sg	08 26 24.0	-0.5
			SMN	$M_L = 3.5$	0.4
			SME		0.4
TIA	4.5	144	ePn	08 25 58.0	0.1
			Pg	08 26 12.5	4.0
			Sg	08 27 08.0	-1.6
			SMN	$M_L = 3.5$	0.7
			SME		0.5
WHN	9.3	177	eP	08 27 05.0	-2.2
			eS	08 28 52.0	-1.0
			SME		0.5
GTA	10.8	272	eP	08 27 25.6	-2.9

DEC 31d 10h 15m  $50.1 \pm 0.08s$ , SD0.87 / 24  
 $5.81 S \pm 0.79km$ ,  $130.14 E \pm 0.31km$ ,  $h170 \pm 0.98km$   
 Banda Sea (280)

WHN	39.2	338	-eP	10 23 04.7	1.3
GYA	39.3	326	P	10 23 04.6	-0.2
BJI	47.4	345	eP	10 24 09.0	-0.5
SNY	47.8	353	eP	10 24 12.5	0.0
LZH	48.4	331	P	10 24 17.0	-0.6
MDJ	50.2	359	eP	10 24 30.5	-0.4
GTA	53.0	331	eP	10 24 52.0	-0.1
WMQ	62.5	327	P	10 25 58.0	-0.2

DEC 31d 12h 44m  $36.6 \pm 0.13s$ , SD2.21 / 24  
 $22.61 N \pm 1.65km$ ,  $94.21 E \pm 1.43km$ ,  $h52 \pm 0.49km$   
 Burma-India border region (294)

LSA	7.6	339	P	12 46 27.8	0.1
GTA	17.4	15	eP	12 48 38.6	0.8
WHN	19.7	62	P	12 49 04.0	0.0
WMQ	21.8	347	eP	12 49 21.5	-5.0
KSH	22.9	321	eP	12 49 39.2	1.7

DEC 31d 13h 20m  $38.0 \pm 0.15s$ , SD2.03 / 21  
 $6.87 N \pm 2.08km$ ,  $127.23 E \pm 3.48km$ ,  $h41 \pm 0.38km$   
 Mindanao (259)  
 $m_b 4.7 / 2$ ,

WHN	26.5	334	P	13 26 12.5	-1.1
TIY	33.5	338	eP	13 27 13.5	-2.8
BJI	34.5	345	eP	13 27 23.0	-1.5
SNY	35.0	355	eP	13 27 28.4	-0.2
			pP	13 27 39.6	0.3
GTA	40.7	327	eP	13 28 17.5	0.5

DEC 31d 15h 43m  $41.7 \pm 0.13s$ , SD1.64 / 49  
 $7.61 N \pm 1.51km$ ,  $127.02 E \pm 1.79km$ ,  $h48 \pm 0.98km$   
 Mindanao (259)  
 $m_b 4.6 / 2$ ,

QZN	20.2	306	-P	15 48 14.8	-0.3
			eS	15 51 51.0	-3.0
			sS	15 52 12.0	1.9
SSE	24.0	348	eP	15 48 54.5	1.4
			eS	15 53 04.0	0.5
			esS	15 53 28.0	5.0
			LZ	$M_s = 4.0$	20.0
WHN	25.7	334	P	15 49 08.5	-1.1
XAN	31.2	330	P	15 49 58.0	-0.7
CD2	31.8	320	eP	15 50 03.8	-0.5
SNY	34.2	355	eP	15 50 22.1	-3.1
			eS	15 55 50.0	2.7
			LZ	$M_s = 4.2$	22.0
LZH	35.4	327	eP	15 50 35.5	0.1
			LZ		2.0
CN2	36.1	358	eP	15 50 41.5	0.4
MDJ	36.9	3	eP	15 50 47.5	-0.8
GTA	40.0	327	eP	15 51 13.6	-0.3
			LZ	$M_s = 4.2$	20.0
LSA	40.2	308	P	15 51 15.0	-1.0
WMQ	49.8	323	P	15 52 33.0	0.9
			pP	15 52 43.0	-1.1
			eS	15 59 41.0	4.4
			LZ	$M_s = 4.7$	12.0

DEC 31d 15h 55m  $23.3 \pm 0.15s$ , SD1.16 / 69  
 $3.24 S \pm 1.52km$ ,  $146.56 E \pm 2.70km$ ,  $h17 \pm 0.33km$   
 Bismarck Sea (203)  
 $M_s 5.1 / 8$ ,  $m_b 5.1 / 7$ ,

SSE	41.8	327	eP	16 03 12.5	-1.9
			sP	16 03 24.9	0.7





				Mid-Indian Rise			
		eS	16 09 26.0	-5.5			
		sS	16 09 48.0	5.4			
		LN		$M_s = 4.9$	16.0	0.87	
		LZ		$M_s = 5.0$	20.0	1.99	
QZN	42.4	303	eP	16 03 18.0	-0.7		
		eS	16 09 36.0	-3.2			
		LE		$M_s = 5.2$	14.0	1.25	
NJ2	43.9	325	+P	16 03 31.5	0.5		
		S	16 10 06.0	5.8			
		LZ		$M_s = 4.8$	20.0	1.22	
WHN	45.5	320	-P	16 03 46.7	2.3		
		sP	16 03 56.0	1.8			
		eS	16 10 24.0	-1.3			
		LN		$M_s = 5.2$	14.0	0.77	
		LE			16.0	0.95	
		LZ		$M_s = 4.8$	20.0	1.25	
DL2	47.8	334	-P	16 04 06.0	3.5		
		S	16 11 00.0	3.1			
		LZ		$M_s = 4.8$	16.0	0.90	
TIA	47.9	328	eP	16 04 02.2	-1.0		
		LZ		$M_s = 4.9$	22.0	1.47	
GYA	48.6	310	P	16 04 09.8	1.5		
SNY	49.5	337	eP	16 04 16.0	0.7		
		pP	16 04 25.0	3.1			
		LZ		$M_s = 5.0$	22.0	1.87	
MDJ	50.0	344	eP	16 04 20.5	1.2		
CN2	50.5	340	eP	16 04 24.0	0.7		
KMI	51.0	306	+P	16 04 28.0	0.9		
		pP	16 04 36.5	3.0			
		S	16 11 43.0	2.0			
		LZ		$M_s = 4.9$	20.0	1.20	
BJI	51.3	330	eP	16 04 28.0	-1.1		
		PMZ		$m_b = 4.9$	1.5	0.026	
		eS	16 11 44.0	-2.2			
		LZ		$M_s = 4.9$	20.0	1.20	
XAN	51.3	319	+P	16 04 28.5	-0.7		
TIY	51.6	325	eP	16 04 30.0	-1.4		
		sS	16 11 59.0	-2.5			
		ScS	16 14 16.0	-0.9			
		SS	16 15 22.0	-1.0			
		LN		$M_s = 5.0$	14.0	0.68	
		LZ		$M_s = 5.0$	26.0	1.85	
CD2	53.1	313	eP	16 04 42.3	-0.2		
		eS	16 12 10.2	-0.4			
		LZ		$M_s = 4.8$	22.0	0.90	
HHC	54.3	328	eP	16 04 50.5	-0.9		
BTO	54.9	326	P	16 04 56.0	-0.3		
		pP	16 05 07.0	4.0			
		eS	16 12 31.0	-5.0			
		LN		$M_s = 5.3$	17.0	1.10	
		LE			17.0	0.80	
LZH	55.9	318	+P	16 05 02.5	-0.5		
		PMZ		$m_b = 5.4$	1.4	0.073	
		LZ		$M_s = 5.0$	25.0	1.60	
GTA	60.4	320	+iP	16 05 34.6	0.0		
		LZ		$M_s = 4.7$	24.0	0.64	
LSA	62.3	306	P	16 05 48.4	0.7		
WMQ	70.4	319	P	16 06 39.5	0.1		
		PcP	16 07 00.0	0.1			
		eS	16 15 44.0	-6.6			
		LZ		$M_s = 4.9$	20.0	0.72	
KSH	77.3	312	eP	16 07 20.0	0.7		
		sP	16 07 33.0	4.1			
		ePP	16 10 12.0	-1.7			
		eS	16 17 06.0	-1.7			
				DEC 31d 21h 29m $49.0 \pm 0.10s$ , SD1.81 / 31			
				$44.52 N \pm 2.49km$ , $147.79 E \pm 1.62km$ , $h79 \pm 1.23km$			
				Kurile Islands (221)			
		MDJ	13.0	277	eP	21 32 52.8	0.9
		CN2	16.0	275	eP	21 33 32.6	1.2
		SNY	17.8	270	eP	21 33 49.0	-4.7
		BJI	23.7	270	eP	21 34 56.0	1.1
		TIA	24.7	261	eP	21 35 04.4	0.2
		TIY	27.3	268	+P	21 35 32.7	3.8
		BTO	27.9	275	eP	21 35 36.0	1.6
		WHN	29.7	253	P	21 35 49.0	-1.3
		LZH	34.2	271	P	21 36 28.5	-1.1
		GTA	35.6	279	eP	21 36 43.6	2.0
		CD2	36.9	264	eP	21 36 52.0	-0.6
				DEC 31d 23h 13m $13.0 \pm 0.14s$ , SD1.58 / 29			
				$3.26 N \pm 2.27km$ , $97.40 E \pm 1.34km$ , $h81 \pm 0.72km$			
				Northern Sumatera (706)			
		QZN	19.8	37	eP	23 17 40.8	0.7
					eS	23 21 20.0	5.8
		KMI	22.3	13	eP	23 18 08.0	2.5
		LSA	27.0	348	P	23 18 48.6	-1.1
		CD2	28.1	12	eP	23 18 58.6	-1.5
		XAN	32.4	18	P	23 19 36.5	-1.6
		GTA	36.0	3	eP	23 20 08.2	-0.8
		BJI	40.4	22	eP	23 20 46.0	1.2
		KSH	41.0	334	eP	23 20 50.9	0.5
				DEC 31d 16h 33m $32.2 \pm 0.14s$ , SD1.52 / 32			
				$36.64 S \pm 2.80km$ , $78.95 E \pm 4.44km$ , $h9 \pm 0.31km$			