

Sta.	$\Delta$	Az	Phase	UTC	Resid	T	A	Sta.	$\Delta$	Az	Phase	UTC	Resid	T	A
code	(deg.)	(deg.)		h min s	(s)	(s)	( $\mu$ m)	code	(deg.)	(deg.)		h min s	(s)	(s)	( $\mu$ m)
<p>OCT 1d 09h 43m 26.0 <math>\pm</math> 0.19s, SD2.90 / 63                      35.28 S <math>\pm</math> 5.69km, 105.90 W <math>\pm</math> 4.70km, h18 <math>\pm</math> 0.75km                      Easter Island Cordillera (684)                      M<sub>S</sub>6.0 / 7,</p>								<p>OCT 1d 10h 35m 38.1 <math>\pm</math> 0.10s, SD2.52 / 19                      29.31 N <math>\pm</math> 0.88km, 104.14 E <math>\pm</math> 0.89km, h5 <math>\pm</math> 0.27km                      Sichuan Province (307)                      M<sub>L</sub>3.6 / 10,</p>							
MDJ	137.2	300	ePKP	10 02 45.0	-4.6			WMQ	9.2	23	SME	10 19 41.5	1.1		0.5 0.20
			PP	10 05 35.0	-1.3						eP				1.0 0.030
			LZ	M <sub>S</sub> =6.2		30.0	6.40				SMN				1.0 0.030
CN2	140.0	298	ePKP	10 02 53.0	-1.8			CD2	1.6	348	Pg	10 36 08.5	1.6		
			ePP	10 05 50.0	-4.5						Sg	10 36 30.5	1.4		
			eSS	10 24 10.0	-2.4						SMN	M <sub>L</sub> =3.4		0.5 0.39	
			LE	M <sub>S</sub> =5.7		17.0	0.70				SME			0.8 0.49	
			LZ	M <sub>S</sub> =5.6		20.0	1.10				LE			3.0 6.61	
SSE	140.7	278	ePKP	10 02 56.2	0.3			GYA	3.6	141	Pn	10 36 39.2	3.9		
			LZ	M <sub>S</sub> =5.8		24.0	2.00				Pg	10 36 48.8	6.9		
SNY	141.2	295	ePKP	10 02 58.3	1.4						Sn	10 37 22.4	2.1		
			LN	M <sub>S</sub> =5.9		21.0	1.66	KMI	4.4	197	ePn	10 36 45.0	-0.6		
			LZ	M <sub>S</sub> =5.9		21.0	1.98	XAN	6.2	40	ePn	10 37 12.2	1.1		
NJ2	142.8	278	ePKP	10 03 01.4	1.7						Sn	10 38 23.9	-1.0		
			LZ	M <sub>S</sub> =5.7		20.0	1.22				SMN	M <sub>L</sub> =3.9		1.0 0.10	
TIA	145.3	284	-PKP	10 03 02.0	-1.9						SME			0.7 0.040	
			SS	10 25 10.0	-2.9			TIY	10.9	37	-P	10 38 15.2	-2.5		
WHN	146.0	274	PKP	10 03 04.5	-0.7			<p>OCT 1d 23h 32m 15.8 <math>\pm</math> 0.10s, SD2.71 / 27                      38.65 N <math>\pm</math> 1.28km, 99.65 E <math>\pm</math> 1.02km, h13 <math>\pm</math> 0.23km                      Qinghai Province (325)                      M<sub>S</sub>3.9 / 3, M<sub>L</sub>4.7 / 8,</p>							
			pPKP	10 03 10.0	0.1			GTA	0.8	10	-iPg	23 32 31.3	1.5		
			PP	10 06 31.6	1.1						Sg	23 32 41.4	1.1		
			SS	10 25 16.0	-5.3						SMN	M <sub>L</sub> =4.0		0.5 2.91	
			LZ	M <sub>S</sub> =6.0		24.0	2.79				SME			0.6 6.20	
BJI	146.6	291	ePKP	10 03 05.0	-1.1			LZH	4.2	126	Pn	23 33 23.5	3.2		
			eSS	10 25 24.0	-3.9						PMZ			1.5 0.090	
			LN	M <sub>S</sub> =5.7		17.0	0.73				SMN	M <sub>L</sub> =4.8		1.5 2.60	
			LZ	M <sub>S</sub> =5.9		24.0	2.30				SME			1.5 0.93	
TIY	149.2	286	-iPKP	10 03 13.5	3.0			BTO	8.2	73	eP	23 34 19.0	0.8		
			LN	M <sub>S</sub> =6.2		23.0	3.44				LN	M <sub>S</sub> =3.8		9.0 0.40	
			LZ	M <sub>S</sub> =5.9		28.0	2.66				LE			9.0 0.40	
HHC	150.1	292	ePKP	10 03 16.0	4.0			XAN	8.8	119	eP	23 34 23.4	-2.3		
			PKP2	10 03 29.0	5.2			TIY	10.1	91	eP	23 34 42.6	-1.5		
			PP	10 06 57.5	3.4						LN	M <sub>S</sub> =3.9		11.0 0.57	
			eSKS	10 10 18.0	3.2						LZ	M <sub>S</sub> =3.7		12.0 0.48	
			SS	10 26 11.0	3.6			GYA	13.5	152	eP	23 35 35.4	5.3		
			LN	M <sub>S</sub> =6.0		18.0	1.06	<p>OCT 2d 06h 47m 07.9 <math>\pm</math> 0.12s, SD2.25 / 16                      40.54 N <math>\pm</math> 1.19km, 123.29 E <math>\pm</math> 1.12km, h4 <math>\pm</math> 0.03km                      North-Eastern China (658)                      M<sub>S</sub>3.6 / 1, M<sub>L</sub>4.1 / 15,</p>							
			LE			17.0	1.13	DL2	2.1	219	ePn	06 47 42.2	-1.6		
GYA	150.8	262	PKP	10 03 17.6	4.6						Pg	06 47 44.2	-0.3		
			PP	10 07 03.6	5.5						Sg	06 48 11.0	-1.8		
BTO	151.3	291	PKP	10 03 19.0	5.2						SMN	M <sub>L</sub> =4.2		0.4 2.10	
			LN	M <sub>S</sub> =6.0		19.0	1.20				SME			0.4 1.70	
			LE			19.0	1.30	CN2	3.6	26	ePn	06 48 05.4	0.1		
XAN	151.4	278	ePKP	10 03 18.9	5.1						iPg	06 48 15.4	3.3		
LZH	155.9	281	ePKP	10 03 24.5	4.4						eSn	06 48 46.0	-4.7		
			LZ	M <sub>S</sub> =6.0		30.0	3.20				SMN	M <sub>L</sub> =4.1		0.6 0.50	
GTA	159.2	289	ePKP	10 03 21.8	-2.6						SME			0.6 0.56	
			ePP	10 07 40.0	-4.1			MDJ	6.2	47	ePg	06 49 02.5	5.3		
			SS	10 27 45.0	-0.6						Sg	06 50 24.0	2.3		
			LN	M <sub>S</sub> =6.2		23.0	2.96				SMN	M <sub>L</sub> =4.3		1.0 0.18	
WMQ	166.5	313	ePKP	10 03 31.0	-0.5			SSE	9.6	191	eP	06 49 32.0	2.3		
			LZ	M <sub>S</sub> =6.4		25.0	6.11				SME			1.0 0.010	
KSH	175.6	341	ePKP	10 03 36.0	-0.2			<p>OCT 1d 10h 17m 25.2 <math>\pm</math> 0.10s, SD2.64 / 6                      35.42 N <math>\pm</math> 0.57km, 82.82 E <math>\pm</math> 0.99km, h18 <math>\pm</math> 1.56km                      Tibet (306)                      M<sub>L</sub>4.4 / 3,</p>							
			ePP	10 09 06.0	-2.2			KSH	6.8	309	ePn	10 19 06.7	2.3		
											Pg	10 19 22.5	-2.2		
											SMN	M <sub>L</sub> =4.4		0.5 0.20	





<p>OCT 2d 11h 52m 46.2 ± 0.07s, SD1.15 / 46 7.27 S ± 1.03km, 128.55 E ± 2.18km, h146 ± 0.18km Banda Sea (280)</p>					<p>GYA 32.4 101 P 00 31 20.0 0.8 TIY 32.5 79 eP 00 31 20.6 0.4 WHN 36.5 89 iP 00 31 53.5 -0.4 SSE 41.6 85 eP 00 32 35.5 -0.9 pP 00 32 48.4 1.2 S 00 38 49.0 0.4</p>
<p>OCT 2d 19h 25m 29.4 ± 0.07s, SD1.07 / 27 3.20 S ± 1.06km, 130.66 E ± 2.83km, h32 ± 0.15km Seram (272)</p>					<p>OCT 3d 00h 45m 49.7 ± 0.09s, SD1.25 / 71 10.20 S ± 1.63km, 161.60 E ± 1.32km, h72 ± 1.15km Solomon Islands (193) M<sub>s</sub>5.0 / 2, m<sub>b</sub>5.6 / 2, SSE 56.5 318 P 00 55 26.4 -0.6 pP 00 55 42.0 -2.9 sP 00 55 48.0 -5.4 LZ M<sub>s</sub>=4.5 20.0 0.37 NJ2 58.6 318 -P 00 55 42.8 0.7 pP 00 56 00.0 -0.1 sP 00 56 05.6 -2.9 QZN 58.7 300 eP 00 55 43.6 0.8 WHN 60.8 313 iP 00 55 56.5 -0.9 pP 00 56 13.0 -2.5 DL2 61.4 325 P 00 56 01.8 0.5 pP 00 56 17.0 -2.4 MDJ 61.8 335 +P 00 56 04.0 0.2 pP 00 56 20.5 -1.4 LZ M<sub>s</sub>=4.8 35.0 1.20 TIA 62.3 320 eP 00 56 06.0 -1.4 SNY 62.4 329 +P 00 56 07.8 -0.4 CN2 63.0 331 +P 00 56 11.7 -0.2 pP 00 56 27.6 -2.5 GYA 64.6 306 P 00 56 23.0 0.5 pP 00 56 40.0 -0.6 BJI 65.3 323 eP 00 56 26.0 -1.0 epP 00 56 42.0 -3.3 LZ M<sub>s</sub>=4.5 32.0 0.47 TIY 66.2 319 eP 00 56 31.3 -1.6 eS 01 05 18.0 2.7 LN M<sub>s</sub>=5.1 9.0 0.23 LE 10.0 0.23 LZ M<sub>s</sub>=5.1 20.0 1.12 HHC 68.6 321 P 00 56 48.0 0.2 CD2 68.9 309 eP 00 56 49.6 0.1 BTO 69.4 320 P 00 56 53.0 0.2 LZH 71.2 314 eP 00 57 04.5 0.7 PMZ m<sub>b</sub>=5.6 2.0 0.17 pP 00 57 20.0 -2.1 GTA 75.6 315 +P 00 57 29.2 -0.1 pP 00 57 45.8 -1.9 LSA 78.5 303 P 00 57 46.8 1.0 WMQ 85.6 316 P 00 58 22.5 -0.1</p>
<p>OCT 2d 20h 43m 35.7 ± 0.11s, SD2.43 / 25 24.30 N ± 2.58km, 127.13 E ± 1.98km, h61 ± 1.38km Ryukyu Islands region (239) M<sub>s</sub>4.2 / 3, M<sub>L</sub>3.8 / 1, m<sub>b</sub>4.8 / 1, SSE 8.6 323 eP 20 45 39.5 -0.3 SMN M<sub>L</sub>=3.8 1.0 0.020 SME 1.0 0.020 LN M<sub>s</sub>=4.2 14.0 1.15 LE 14.0 1.54 LZ M<sub>s</sub>=4.0 16.0 1.33 BJI 18.2 332 eP 20 47 42.0 -3.9 eS 20 51 06.0 3.0 LZ M<sub>s</sub>=3.8 18.0 0.42 TIY 18.3 320 eP 20 47 44.8 -2.8 LN M<sub>s</sub>=4.1 12.0 0.35 LZ M<sub>s</sub>=4.4 12.0 0.96 CD2 21.7 293 eP 20 48 21.7 -1.9 LZH 23.2 306 eP 20 48 37.0 -1.8 PMZ m<sub>b</sub>=4.8 1.5 0.070 GTA 27.5 310 P 20 49 15.5 -3.7 WMQ 37.6 311 eP 20 50 45.0 -1.6</p>					<p>OCT 3d 06h 30m 57.7 ± 0.10s, SD3.23 / 9 38.41 N ± 1.13km, 106.23 E ± 0.81km, h11 ± km Northern China (323) M<sub>L</sub>3.8 / 8, LZH 3.0 220 Pn 06 31 45.0 -0.8 Sn 06 32 20.5 -3.0 SMN M<sub>L</sub>=4.2 1.5 1.14 SME 1.5 0.70 BTO 3.7 52 Pg 06 32 02.0 -0.5 Sg 06 32 48.2 -4.1 SMN M<sub>L</sub>=3.9 0.5 0.24 SME 0.5 0.32 HHC 4.8 58 +Pg 06 32 23.1 0.7 Sg 06 33 21.6 -6.0 SMN M<sub>L</sub>=3.3 0.5 0.040 SME 0.5 0.040 XAN 4.9 153 ePn 06 32 14.9 3.5</p>
<p>OCT 3d 00h 24m 50.5 ± 0.07s, SD1.19 / 44 38.73 N ± 1.09km, 70.79 E ± 0.86km, h41 ± 0.27km Afghanistan-USSR border region (717) M<sub>s</sub>4.7 / 1, M<sub>L</sub>4.8 / 1, m<sub>b</sub>4.7 / 1, WMQ 13.7 63 eP 00 28 03.5 -1.0 pP 00 28 12.0 -0.4 eS 00 30 39.0 3.1 LSA 19.1 112 P 00 29 12.2 -0.6 GTA 22.5 79 -P 00 29 48.5 0.3 LZH 26.3 85 eP 00 30 25.0 0.3 PMZ m<sub>b</sub>=4.7 1.5 0.030 CD2 28.1 96 P 00 30 41.6 1.0</p>					



TIY	4.9	96	ePg	06 32 25.2	0.0		
			SMN		$M_L=3.7$	0.6	0.13
			SME			0.6	0.070
GTA	5.1	283	Pg	06 32 28.0	0.0		
			Sn	06 33 16.8	1.2		
			SMN		$M_L=3.1$	0.8	0.020
			SME			0.7	0.020

TIY	147.8	107	ePKP	15 32 45.5	1.2		
BTO	148.5	101	ePKP	15 32 48.0	2.5		
TIA	149.2	115	PKP	15 32 49.1	2.7		
HHC	149.6	102	ePKP	15 32 50.2	3.0		
BJI	151.5	108	ePKP	15 32 54.0	4.0		

OCT 3d 12h 40m  $14.1 \pm 0.18s$ , SD1.38 / 27  
36.13 N  $\pm 1.47km$ , 27.43 E  $\pm 0.89km$ ,  $h23 \pm 1.20km$   
Crete (370)

WMQ	45.9	61	eP	12 48 38.0	0.4		
GTA	55.9	63	P	12 49 52.7	-0.4		
CD2	62.3	71	eP	12 50 37.6	-0.1		
TIY	65.6	60	eP	12 50 59.0	-0.1		
GYA	66.7	74	P	12 51 05.8	-0.4		
BJI	67.1	56	eP	12 51 08.5	0.1		
TIA	69.6	60	eP	12 51 23.7	-0.5		
SNY	71.0	52	eP	12 51 30.7	-2.2		
CN2	71.1	49	eP	12 51 32.5	-1.2		

OCT 3d 13h 24m  $51.1 \pm 0.13s$ , SD1.97 / 17  
12.18 N  $\pm 2.05km$ , 93.63 E  $\pm 1.95km$ ,  $h42 \pm 0.65km$   
Andaman Islands region (703)

LSA	17.6	353	P	13 28 54.2	-1.2		
GYA	18.8	39	P	13 29 10.0	0.5		
CD2	20.9	25	P	13 29 35.4	3.2		
XAN	25.8	30	eP	13 30 21.6	0.8		
GTA	27.7	10	eP	13 30 39.2	1.5		

OCT 3d 19h 24m  $38.2 \pm 0.08s$ , SD0.80 / 22  
36.42 S  $\pm 1.23km$ , 52.97 E  $\pm 1.14km$ ,  $h8 \pm 0.18km$   
Atlantic-Indian Ridge (428)

GYA	80.4	47	P	19 36 52.6	-0.4		
	85.9	24	eP	19 37 20.8	0.0		
XAN	87.4	44	+iP	19 37 28.2	0.0		
WMQ							

OCT 4d 08h 38m  $25.5 \pm 0.16s$ , SD2.53 / 18  
40.79 N  $\pm 1.31km$ , 122.97 E  $\pm 1.45km$ ,  $h13 \pm 0.41km$   
North-Eastern China (658)  
 $M_S 3.9 / 1$ ,  $M_L 4.1 / 14$ ,

SNY	1.1	24	-iPg	08 38 47.8	2.2		
			Sg	08 39 05.4	4.3		
			SMN		$M_L=4.0$	0.5	2.67
			SME			0.5	3.12
DL2	2.1	209	+Pg	08 39 01.0	-2.5		
			Sg	08 39 27.0	-5.9		
			SMN		$M_L=4.3$	0.5	2.60
			SME			0.5	1.80
CN2	3.5	31	+Pn	08 39 21.2	0.8		
			Pg	08 39 30.8	3.1		
			Sn	08 39 59.0	-5.0		
			Sg	08 40 19.4	3.5		
			SMN		$M_L=4.0$	0.6	0.40
			SME			0.6	0.38
BJI	5.2	264	ePg	08 40 02.0	3.9		
			Sn	08 40 42.0	-4.4		
			Sg	08 41 07.5	-2.2		
			SMN		$M_L=3.6$	1.0	0.070
			SME			1.0	0.060
MDJ	6.2	50	Pg	08 40 19.0	4.0		
			Sg	08 41 40.5	0.9		
			SMN		$M_L=4.2$	1.0	0.17

OCT 4d 15h 13m  $04.2 \pm 0.14s$ , SD2.26 / 21  
55.85 S  $\pm 3.43km$ , 27.70 W  $\pm 4.33km$ ,  $h31 \pm 0.43km$   
South Sandwich Islands region (153)

NJ2	146.7	122	+PKP	15 32 43.4	1.0		
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OCT 4d 15h 37m  $53.7 \pm 0.11s$ , SD1.44 / 83  
3.45 S  $\pm 1.73km$ , 150.59 E  $\pm 3.33km$ ,  $h12 \pm 0.62km$   
New Ireland region (190)  
 $M_S 5.9 / 43$ ,  $m_B 6.1 / 26$ ,  $m_b 5.9 / 4$ ,

QZH	42.0	314	eP	15 45 48.0	1.3		
			S	15 52 06.0	1.8		
			sS	15 52 15.0	0.1		
			LN		$M_S=5.7$	14.0	4.40
			LZ		$M_S=5.7$	20.0	9.10
SSE	44.3	323	iP	15 46 06.5	0.6		
			PMZ		$m_B=6.0$	6.0	1.69
			pP	15 46 16.0	4.2		
			ePP	15 47 54.0	3.8		
			S	15 52 40.0	1.4		
			SMN		$m_B=6.0$	12.0	3.18
			sS	15 52 48.0	-1.4		
			ScS	15 56 04.0	3.1		
			LN		$M_S=6.1$	20.0	13.3
			LZ		$M_S=6.0$	20.0	18.1
GZH	44.9	308	+P	15 46 11.0	0.6		
			PMZ		$m_B=6.2$	5.0	1.87
			S	15 52 53.0	6.4		
			SMN		$m_B=6.3$	10.0	2.00
			SME			13.0	5.30
			LN		$M_S=6.2$	17.0	6.45
			LE			16.0	12.7
			LZ		$M_S=5.9$	24.0	15.9
QZN	45.9	301	eP	15 46 19.0	0.7		
			sP	15 46 31.0	3.9		
			PP	15 48 04.0	-1.5		
			S	15 52 59.0	-1.9		
			LN		$M_S=5.9$	13.0	3.25
			LE			18.0	5.63
NJ2	46.4	322	+iP	15 46 24.0	1.5		
			S	15 53 15.5	7.0		
			LE		$M_S=5.6$	15.0	3.05
WHN	48.4	317	+iP	15 46 38.0	0.2		
			PMZ		$m_B=6.0$	2.0	0.44
			pP	15 46 40.5	-3.2		
			S	15 53 36.0	-0.1		
			LN		$M_S=5.8$	14.0	4.87
			LZ		$M_S=6.0$	23.0	20.4
DL2	49.9	330	P	15 46 50.0	0.3		
			S	15 54 02.0	4.5		
			LN		$M_S=5.8$	14.0	4.60
			LZ		$M_S=5.6$	34.0	11.3
TIA	50.3	325	eP	15 46 52.1	-0.9		
			S	15 54 04.0	0.5		
			LN		$M_S=6.0$	16.8	5.52
			LE			15.0	5.52
SNY	51.3	334	+iP	15 47 00.0	-0.4		
			PMZ		$m_B=6.2$	4.0	1.35
			pP	15 47 07.5	1.2		
			SMN		$m_B=6.1$	12.0	3.13
			LE		$M_S=5.8$	16.0	4.63
			LZ		$M_S=5.8$	33.0	14.0
MDJ	51.4	341	+P	15 47 01.0	-0.1		
			pP	15 47 09.0	2.0		
			S	15 54 13.0	-5.3		
			sS	15 54 26.0	-3.4		
			LZ		$M_S=6.0$	35.0	23.9
GYA	51.8	308	P	15 47 05.2	0.8		

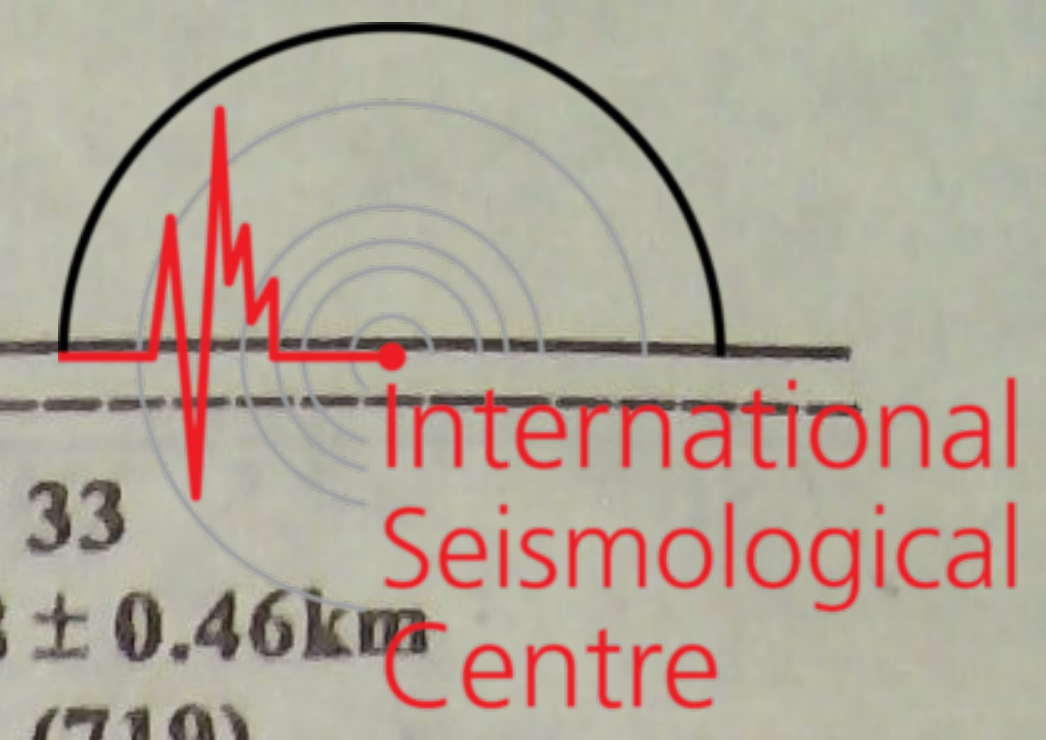












OCT 5d 23h 10m  $29.8 \pm 0.08s$ , SD0.86 / 65  
 $3.15 N \pm 1.10km$ ,  $126.78 E \pm 1.39km$ ,  $h32 \pm 0.05km$   
 Molucca Passage (266)  
 $m_b 5.2 / 1$

QZN	22.9	315	eP	23 15 32.5	0.6		
WHN	29.7	338	eP	23 16 35.0	-0.1		
NJ2	29.7	346	+P	23 16 36.8	1.4		
GYA	30.2	322	P	23 16 40.2	0.7		
XAN	35.0	334	-iP	23 17 20.3	-1.0		
CD2	35.1	324	P	23 17 22.6	-0.3		
TIY	36.8	341	-iP	23 17 37.8	0.6		
BJI	38.0	347	eP	23 17 47.0	0.4		
SNY	38.6	356	-iP	23 17 52.9	0.8		
LZH	39.0	330	eP	23 17 55.0	-0.7		
			PMZ	$m_b = 5.2$	2.0	0.080	
HHC	40.0	342	P	23 18 04.0	0.6		
BTO	40.2	340	eP	23 18 05.8	0.1		
CN2	40.5	359	eP	23 18 08.0	0.2		
MDJ	41.4	3	-P	23 18 16.0	1.0		
LSA	42.9	312	P	23 18 29.0	1.4		
GTA	43.6	329	P	23 18 34.0	0.5		
WMQ	53.2	325	-iP	23 19 47.6	-0.4		

OCT 6d 05h 32m  $18.1 \pm 0.06s$ , SD0.72 / 29  
 $12.30 N \pm 0.83km$ ,  $141.93 E \pm 0.81km$ ,  $h25 \pm 0.17km$   
 Western Caroline Islands (209)  
 $M_s 4.7 / 2$

BJI	35.8	325	eP	05 39 17.0	-0.5		
			pP	05 39 24.5	-0.8		
			eS	05 44 48.0	-4.7		
			LZ	$M_s = 4.3$	22.0	0.63	
GYA	36.0	298	P	05 39 21.0	1.4		
TIY	36.5	319	eP	05 39 24.4	0.3		
XAN	37.0	311	P	05 39 26.9	-1.2		
HHC	39.0	322	eP	05 39 45.6	1.1		
BTO	39.7	321	eP	05 39 51.0	0.0		
CD2	39.8	304	eP	05 39 51.6	0.4		
LZH	41.6	311	eP	05 40 07.5	0.7		
			pP	05 40 14.5	0.0		
GTA	45.9	314	-P	05 40 41.4	0.0		
			eS	05 47 23.9	-0.4		
			LE	$M_s = 4.8$	23.0	0.72	
			LZ	$M_s = 4.6$	20.0	0.63	
WMQ	56.0	315	eP	05 41 57.0	-0.5		

OCT 6d 09h 05m  $53.6 \pm 0.12s$ , SD3.05 / 8  
 $25.66 N \pm 1.43km$ ,  $99.15 E \pm 1.18km$ ,  $h5 \pm km$   
 Burma-China border region (297)  
 $M_L 3.4 / 2$

GYA	6.8	82	Pn	09 07 38.4	3.9		
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OCT 6d 11h 59m  $21.6 \pm 0.11s$ , SD1.86 / 31  
 $6.05 S \pm 1.87km$ ,  $105.45 E \pm 2.77km$ ,  $h89 \pm 0.19km$   
 Sunda Strait (276)  
 $M_s 4.9 / 4$

QZN	25.3	10	eP	12 04 44.0	2.3		
			eS	12 09 03.8	5.0		
			LN	$M_s = 4.8$	12.0	1.17	
GYA	32.3	2	P	12 05 44.8	-0.2		
XAN	40.0	4	eP	12 06 49.2	-0.5		
TIY	44.0	8	eP	12 07 26.8	4.2		
			LN	$M_s = 4.9$	13.5	0.69	
GTA	45.5	354	P	12 07 34.0	-0.7		
			LN	$M_s = 4.8$	9.0	0.31	
BJI	46.9	11	eP	12 07 45.0	-0.5		
WMQ	52.2	344	P	12 08 24.0	-1.8		
CN2	52.8	18	eP	12 08 29.4	-1.2		

OCT 6d 13h 10m  $54.1 \pm 0.09s$ , SD2.27 / 33  
 $39.69 N \pm 1.57km$ ,  $74.47 E \pm 1.18km$ ,  $h38 \pm 0.46km$   
 Tadjhikistan-Xinjiang border region (719)  
 $M_s 4.4 / 3$ ,  $M_L 4.4 / 4$

KSH	1.2	101	-iP <sub>g</sub>	13 11 14.0	-2.2		
			S <sub>g</sub>	13 11 32.5	-0.4		
			SMN	$M_L = 4.3$	0.6	5.20	
			SME		0.7	4.80	
WMQ	10.7	63	eP	13 13 26.5	-1.8		
			S	13 15 27.5	0.2		
			LZ	$M_s = 4.1$	10.0	0.81	
GTA	19.5	83	+P	13 15 21.7	0.1		
			LN	$M_s = 4.5$	21.0	1.36	
			LZ	$M_s = 4.6$	22.0	2.80	
LZH	23.4	89	eP	13 16 03.5	2.4		
			LZ	$M_s = 4.6$	30.0	2.69	
XAN	28.0	91	eP	13 16 45.2	1.0		
WHN	33.6	93	eP	13 17 34.0	0.3		

OCT 6d 18h 22m  $55.1 \pm 0.08s$ , SD2.05 / 42  
 $39.65 N \pm 1.59km$ ,  $74.41 E \pm 1.23km$ ,  $h35 \pm 0.40km$   
 Tadjhikistan-Xinjiang border region (719)  
 $M_s 4.2 / 3$ ,  $M_L 4.7 / 4$ ,  $m_b 4.9 / 1$

KSH	1.2	99	-P <sub>g</sub>	18 23 15.5	-2.3		
			S <sub>g</sub>	18 23 33.5	-1.5		
			LN		4.0	11.2	
WMQ	10.8	63	+iP	18 25 28.0	-2.2		
			S	18 27 31.0	0.9		
			LN	$M_s = 4.6$	6.0	0.90	
			LE		6.0	1.15	
GTA	19.6	83	P	18 27 23.0	-0.4		
			LN	$M_s = 4.2$	9.0	0.33	
LZH	23.5	89	eP	18 28 04.5	1.8		
			PMZ	$m_b = 4.9$	1.5	0.070	
CD2	25.4	101	eP	18 28 23.5	2.1		
BTO	27.1	76	eP	18 28 42.2	4.7		
KMI	27.8	113	eP	18 28 45.0	1.1		
XAN	28.1	91	eP	18 28 45.7	-0.2		
WHN	33.7	93	eP	18 29 33.5	-1.9		

OCT 6d 22h 30m  $08.3 \pm 0.08s$ , SD1.37 / 29  
 $10.55 S \pm 1.11km$ ,  $123.41 E \pm 1.65km$ ,  $h32 \pm 0.18km$   
 South of Timor (293)

GYA	40.2	336	P	22 37 45.2	1.1		
			PcP	22 39 51.0	3.4		
WHN	41.8	348	eP	22 37 57.5	0.8		
NJ2	42.6	354	-P	22 38 04.2	0.9		
CD2	45.3	336	eP	22 38 26.0	0.4		
XAN	46.4	343	-P	22 38 33.7	-0.6		
			PcP	22 40 10.7	2.2		
BJI	50.8	353	eP	22 39 07.0	-0.9		
GTA	54.3	338	-P	22 39 34.8	0.2		
MDJ	55.2	5	eP	22 39 40.0	-0.7		
WMQ	63.1	332	P	22 40 36.0	0.3		

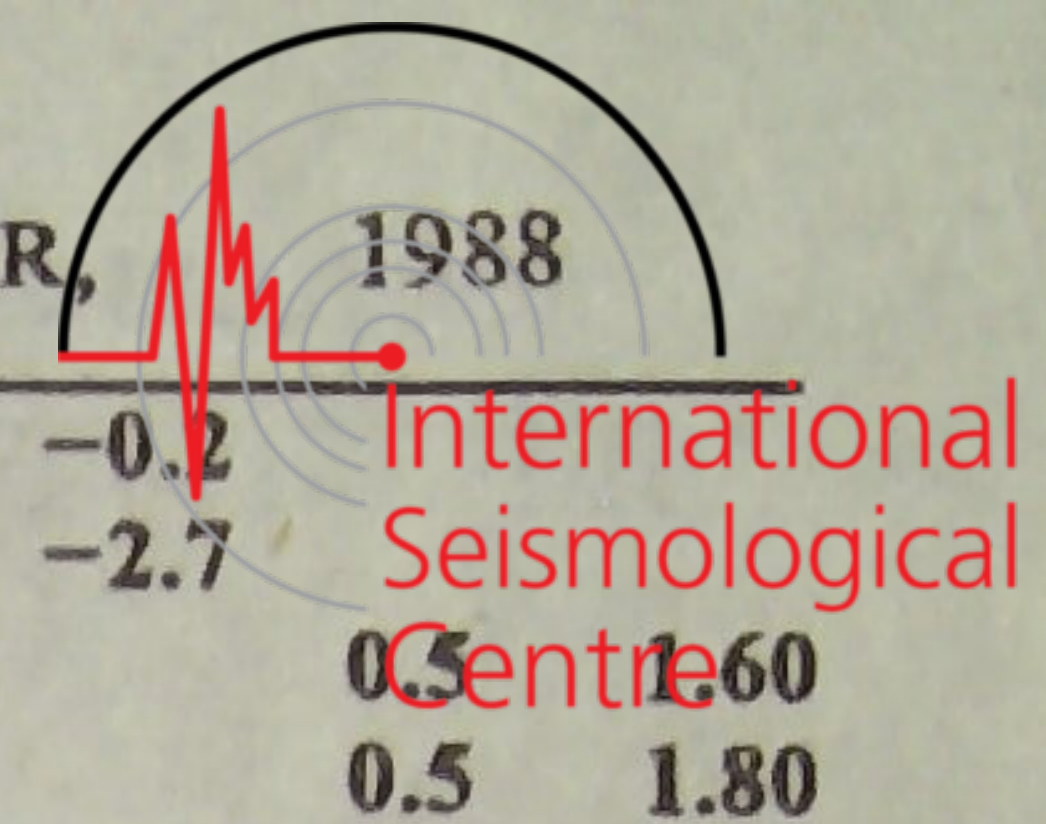
OCT 7d 00h 48m  $18.8 \pm 0.12s$ , SD2.78 / 7  
 $41.86 N \pm 1.31km$ ,  $84.90 E \pm 0.85km$ ,  $h10 \pm 0.04km$   
 Southern Xinjiang Province (321)  
 $M_L 3.2 / 6$

WMQ	2.8	45	Pn	00 49 09.0	4.2		
			S <sub>g</sub>	00 49 44.5	-3.5		
			SMN	$M_L = 3.0$	0.6	0.070	

OCT 7d 02h 55m  $38.3 \pm 0.12s$ , SD0.79 / 26  
 $3.14 S \pm 0.54km$ ,  $137.31 E \pm 2.27km$ ,  $h33 \pm 0.16km$   
 West Irian (201)

WHN	40.0	328	eP	03 03 14.0	1.7		
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GYA	41.8	317	P	03 03 27.0	0.3
XAN	45.6	326	eP	03 03 57.5	-0.6
CD2	46.6	319	eP	03 04 05.6	0.1
TIY	46.7	333	eP	03 04 07.8	1.0
BJI	47.1	338	eP	03 04 09.0	-0.8
GTA	54.6	325	P	03 05 06.2	-0.4
WMQ	64.5	322	eP	03 06 14.0	-0.7

OCT 7d 13h 17m 32.3 ± 0.12s, SD2.30 / 9  
41.65 N ± 1.92km, 81.08 E ± 1.30km, h8 ± 0.59km  
Southern Xinjiang Province (321)  
M<sub>L</sub>3.4 / 7,

KSH	4.5	242	ePn	13 18 39.5	-1.1
WMQ	5.3	64	Pg	13 19 10.1	3.5
			SMN	M <sub>L</sub> = 3.4	0.7 0.050
			SME		0.7 0.030

OCT 7d 14h 16m 51.4 ± 0.11s, SD2.57 / 5  
31.13 N ± 0.47km, 99.23 E ± 0.95km, h6 ± 0.18km  
Tibet (306)  
M<sub>L</sub>3.0 / 3,

CD2	3.9	92	ePg	14 17 58.8	-1.5
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OCT 7d 18h 10m 37.5 ± 0.07s, SD0.85 / 28  
17.74 S ± 1.45km, 178.48 W ± 1.18km, h534 ± 0.24km  
Fiji region (181)

NJ2	77.8	309	+P	18 21 41.3	-0.1
MDJ	78.0	325	eP	18 21 42.5	-0.2
CN2	79.8	322	eP	18 21 51.0	-1.3
WHN	80.4	306	eP	18 21 55.0	-0.4
BJI	83.6	315	eP	18 22 12.5	1.0
GYA	84.9	300	P	18 22 18.0	0.1
TIY	85.1	312	+P	18 22 19.3	0.4
XAN	86.1	307	+iP	18 22 24.0	0.4

OCT 7d 18h 41m 36.0 ± 0.08s, SD1.84 / 14  
10.79 S ± 1.87km, 165.99 E ± 0.88km, h204 ± 0.75km  
Santa Cruz Islands (184)

TIY	69.5	317	eP	18 52 24.7	-0.6
GTA	79.1	314	eP	18 53 20.5	0.5

OCT 7d 23h 43m 46.0 ± 0.11s, SD1.36 / 38  
4.09 N ± 1.82km, 126.53 E ± 2.86km, h33 ± 0.08km  
Talaud Islands (263)  
m<sub>b</sub>5.4 / 1,

SSE	27.3	350	eP	23 49 33.0	2.7
			esS	23 54 16.0	-5.3
			LZ	M <sub>S</sub> = 4.1	20.0 0.46
WHN	28.7	338	eP	23 49 42.5	-0.2
XAN	34.0	333	-iP	23 50 28.5	-0.8
CD2	34.2	324	eP	23 50 31.1	-0.2
TIY	35.9	341	eP	23 50 45.8	0.5
			esS	23 56 37.0	1.4
			LZ	M <sub>S</sub> = 4.4	22.0 0.78
BJI	37.0	347	eP	23 50 55.0	0.3
SNY	37.7	356	eP	23 51 00.8	0.5
LZH	38.1	330	-P	23 51 03.5	-0.6
			PMZ	m <sub>b</sub> = 5.4	1.0 0.060
HHC	39.0	342	-P	23 51 12.5	0.9
BTO	39.3	340	eP	23 51 15.2	1.3
CN2	39.6	359	eP	23 51 11.6	-4.5
GTA	42.7	329	P	23 51 41.8	-0.3
WMQ	52.3	325	P	23 52 57.0	-0.3

OCT 8d 00h 39m 27.7 ± 0.12s, SD3.51 / 7  
39.04 N ± 3.41km, 74.11 E ± 0.91km, h16 ± 1.58km  
Tadzhikistan-Xinjiang border region (719)  
M<sub>L</sub>4.0 / 2,

KSH	1.5	73	Pg	00 39 54.5	-0.2
			Sg	00 40 12.5	-2.7
			SMN	M <sub>L</sub> = 3.9	0.5 1.60
			SME		0.5 1.80
GTA	19.9	81	eP	00 44 04.5	2.6

OCT 8d 02h 06m 59.7 ± 0.13s, SD2.95 / 10  
25.75 N ± 1.54km, 99.21 E ± 1.45km, h15 ± km  
Burma-China border region (297)  
M<sub>L</sub>3.6 / 2,

CD2	6.5	37	ePg	02 08 53.8	-1.2
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OCT 8d 02h 19m 35.8 ± 0.05s, SD0.79 / 68  
53.73 N ± 1.78km, 163.10 W ± 0.83km, h32 ± 0.35km  
Unimak Island region (10)  
M<sub>S</sub>4.9 / 3, m<sub>b</sub>5.3 / 4,

CN2	46.2	288	-iP	02 28 00.4	0.1
SNY	48.6	287	+iP	02 28 19.2	0.7
BJI	53.9	290	eP	02 28 57.0	-2.0
BTO	56.9	295	P	02 29 21.2	0.4
SSE	57.4	279	+P	02 29 24.8	0.9
			PMZ	m <sub>b</sub> = 5.3	1.0 0.040
			epP	02 29 35.0	1.7
			LZ	M <sub>S</sub> = 4.6	20.0 0.46
TIY	57.6	291	eP	02 29 26.1	0.3
			LN	M <sub>S</sub> = 4.9	28.0 0.89
NJ2	58.0	282	-P	02 29 28.6	0.0
WHN	61.8	284	P	02 29 53.5	-0.6
XAN	62.3	290	P	02 29 57.0	-0.5
GTA	63.1	300	+P	02 30 02.8	-0.7
			LE	M <sub>S</sub> = 5.1	17.0 0.71
			LZ	M <sub>S</sub> = 5.1	17.0 1.09
LZH	63.5	295	+P	02 30 06.0	0.0
			PMZ	m <sub>b</sub> = 5.3	2.0 0.080
			pP	02 30 16.5	1.2
			LZ	M <sub>S</sub> = 4.8	16.0 0.56
WMQ	65.6	311	eP	02 30 19.0	-0.3
CD2	67.5	292	eP	02 30 32.0	0.7
LSA	75.2	300	P	02 31 19.4	1.5

OCT 8d 04h 46m 27.6 ± 0.08s, SD1.33 / 100  
18.58 S ± 2.69km, 172.32 W ± 1.93km, h61 ± 0.56km  
Tonga region (174)  
M<sub>S</sub>6.9 / 44, m<sub>B</sub>7.1 / 37, m<sub>b</sub>6.7 / 9,

QZH	80.0	301	+iP	04 58 32.5	-0.1
			PMZ	m <sub>B</sub> = 7.2	6.0 18.9
			pP	04 58 49.0	1.0
			S	05 08 31.5	2.9
			LN	M <sub>S</sub> = 6.7	21.0 23.3
SSE	80.7	307	+iP	04 58 36.0	-0.6
			PMZ		20.0 30.6
			pP	04 58 52.0	0.0
			ePP	05 01 45.0	3.3
			S	05 08 36.0	-0.3
			SKS	05 08 48.0	4.8
			SS	05 13 51.0	-2.2
			LN	M <sub>S</sub> = 7.0	25.0 48.2
			LZ	M <sub>S</sub> = 7.0	28.0 102
MDJ	82.2	322	+P	04 58 44.5	0.2
			sP	04 59 02.0	-3.9
			S	05 08 53.0	1.6
			LZ	M <sub>S</sub> = 6.6	30.0 38.4
NJ2	82.9	307	+P	04 58 48.0	0.0
			pP	04 59 06.0	2.5
GZH	83.6	297	+iP	04 58 54.0	2.7
			pP	04 59 06.0	-0.8
			PP	05 02 02.5	-2.2
			LZ	M <sub>S</sub> = 6.8	31.0 69.1

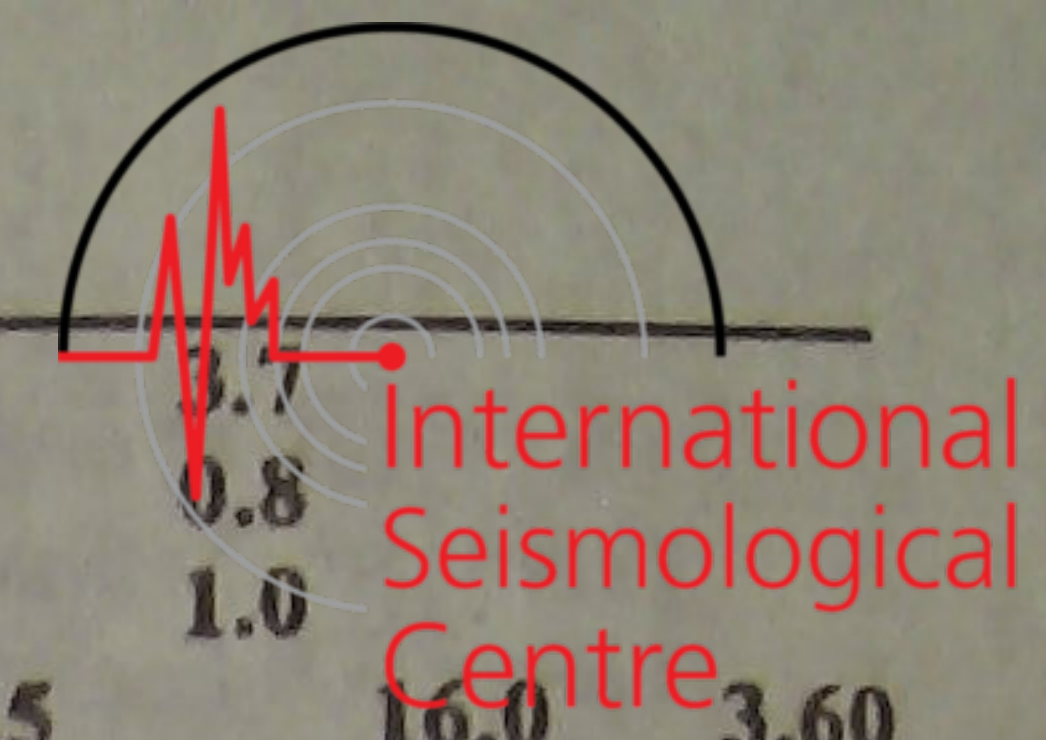






OCT 8d 07h 34m 17.8±0.10s, SD1.35 / 27					HHC	19.5	313	P	14 44 15.0	-1.1			
18.95 S±2.06km, 172.23 W±2.07km, h31±0.12km								S	14 47 42.0	-5.6			
Tonga region (174)								LN		M <sub>g</sub> = 5.3	17.0	5.41	
CN2	84.5	320	eP	07 46 49.6	-0.2			LE			15.0	4.32	
			pP	07 47 00.0	0.9								
SNY	84.6	317	eP	07 46 51.1	0.7								
BJI	88.7	313	eP	07 47 10.5	0.2								
TIY	90.4	310	eP	07 47 19.0	0.7								
OCT 8d 14h 39m 49.0±0.09s, SD1.73 / 84					BTO	20.4	311	P	14 44 23.8	-1.8			
28.80 N±1.52km, 130.34 E±1.44km, h38±0.67km								pP	14 44 33.5	-1.2			
Ryukyu Islands (238)								eS	14 48 03.0	-4.3			
M <sub>s</sub> 5.2 / 38, m <sub>b</sub> 5.4 / 6, m <sub>b</sub> 5.0 / 5,								sS	14 48 17.0	-3.7			
SSE	8.3	288	eP	14 41 49.5	0.1			LN		M <sub>g</sub> = 5.3	14.0	4.30	
			PMZ		m <sub>b</sub> = 5.0	1.0	0.060	LE			17.0	4.80	
			S	14 43 23.0	1.1								
			LN		M <sub>s</sub> = 4.9	16.0	10.7						
			LE			16.0	7.55						
			LZ		M <sub>s</sub> = 4.7	20.0	9.72						
NJ2	10.4	291	-P	14 42 20.0	0.7			QZN	21.1	247	eP	14 44 32.4	-0.3
			LN		M <sub>s</sub> = 5.1	12.0	3.80				S	14 48 20.5	1.0
			LE			11.0	7.50				LN		M <sub>g</sub> = 5.1
											LE		
QZH	11.2	253	eP	14 42 29.0	-0.4			GYA	21.1	269	P	14 44 35.0	2.0
			eS	14 44 37.0	3.3						pP	14 44 45.0	2.7
			LN		M <sub>s</sub> = 4.9	14.0	6.01				S	14 48 23.0	3.2
			LZ		M <sub>s</sub> = 4.6	15.0	4.14				LN		M <sub>s</sub> = 5.4
DL2	12.4	327	P	14 42 47.5	1.5						LE		
			eS	14 45 07.0	3.4			CD2	23.1	282	eP	14 44 52.2	-0.9
			LN		M <sub>s</sub> = 5.3	14.0	8.20				eS	14 48 59.0	1.1
			LE			14.0	9.10				LE		M <sub>s</sub> = 5.3
TIA	13.4	307	eP	14 43 01.5	2.6						LZ		M <sub>s</sub> = 5.0
			LN		M <sub>s</sub> = 5.1	13.0	4.05				LZH	23.5	295
			LE			14.0	6.32						+P
			LZ		M <sub>s</sub> = 4.6	14.0	3.00						PMZ
WHN	14.0	281	eP	14 43 08.5	1.2								
			pP	14 43 16.0	1.0								
			eS	14 45 42.0	-0.3								
			LN		M <sub>s</sub> = 4.8	11.0	2.64						
			LZ		M <sub>s</sub> = 5.0	16.0	7.79						
SNY	14.1	339	+iP	14 43 10.0	1.4								
			LN		M <sub>s</sub> = 5.4	11.0	9.13						
			LE			11.0	5.57						
			LZ		M <sub>s</sub> = 5.3	16.0	15.3						
CN2	15.5	347	+P	14 43 28.0	1.6								
			PMZ		m <sub>B</sub> = 5.6	4.0	1.10						
			pP	14 43 36.5	2.3								
			eS	14 46 20.0	3.2								
			LN		M <sub>s</sub> = 5.4	12.0	11.3						
			LZ		M <sub>s</sub> = 5.2	14.0	8.90						
MDJ	15.8	358	eP	14 43 32.0	1.5								
			PP	14 43 46.0	2.9								
			eS	14 46 30.0	5.7								
			LZ		M <sub>s</sub> = 5.1	18.0	10.3						
BJI	16.2	318	+P	14 43 36.5	1.2								
			PMZ		m <sub>B</sub> = 5.4	12.0	1.97						
			pP	14 43 45.5	2.3								
			eS	14 46 39.0	6.1								
			LN		M <sub>s</sub> = 5.2	13.0	6.10						
			LE			13.0	3.80						
			LZ		M <sub>s</sub> = 5.1	16.0	7.90						
TIY	17.4	305	eP	14 43 50.8	0.1								
			PP	14 44 08.0	3.0								
			LE		M <sub>s</sub> = 5.2	15.0	6.09						
			LZ		M <sub>s</sub> = 5.3	17.0	12.1						
XAN	19.0	291	+iP	14 44 08.4	-2.1								
			S	14 47 42.0	5.4								
			LN		M <sub>s</sub> = 5.0	13.0	2.10						
			LE			18.0	2.72						
OCT 8d 15h 10m 06.7±0.12s, SD2.94 / 16													
34.91 N±1.25km, 103.78 E±1.23km, h5±km													
Gansu Province (322)													
M <sub>L</sub> 3.6 / 8,													
XAN	4.3	100	ePn	15 11 10.0	-3.6								
			Pg	15 11 27.6	4.4								
			Sn	15 12 03.3	-3.3								
			Sg	15 12 23.0	0.6								
			SMN		M <sub>L</sub> = 3.5	0.8	0.11						
			SME			0.8	0.070						
GTA	5.5	326	Pn	15 11 30.4	0.6								
			Pg	15 11 48.0	4.1								
			Sg	15 12 59.8	0.7								
			SMN		M <sub>L</sub> = 3.2	1.0	0.020						
			SME			0.8	0.020						
TIY	7.5	66	ePg	15 12 24.2	4.4								
			SMN		M <sub>L</sub> = 3.7	0.9	0.020						
			SME			0.8	0.030						





OCT 8d 16h 56m 07.3 ± 0.07s, SD1.18 / 39					OCT 8d 17h 32m 10.0 ± 0.08s, SD1.40 / 19					OCT 8d 21h 16m 51.2 ± 0.06s, SD1.43 / 11					OCT 8d 21h 32m 02.0 ± 0.09s, SD1.13 / 95																																																																																																																																																																																																																																																																										
4.06 N ± 1.28km, 126.48 E ± 2.52km, h33 ± 0.05km					23.74 S ± 2.17km, 179.92 E ± 1.47km, h563 ± 0.37km					4.11 N ± 1.02km, 126.58 E ± 1.99km, h31 ± 0.05km					4.17 N ± 1.40km, 126.58 E ± 1.86km, h30 ± 0.07km																																																																																																																																																																																																																																																																										
Talaud Islands (263)					South of Fiji (171)					Talaud Islands (263)					Talaud Islands (263)																																																																																																																																																																																																																																																																										
WHN	28.7	338	eP	17 02 04.2	0.1	WHN	82.8	308	eP	17 43 38.4	0.9	TIY	35.9	341	eP	21 23 48.4	-2.3	QZN	22.0	313	eP	21 36 57.0	1.1	QZH	22.0	340	P	21 36 56.0	0.1	GZH	22.7	327	+P	21 37 04.0	1.0	SSE	27.3	350	+P	21 37 47.0	1.1	WHN	28.7	338	P	21 37 58.5	0.0	NJ2	28.7	346	+P	21 37 59.0	0.4	GYA	29.2	321	+P	21 38 05.0	1.2	TIA	33.1	346	eP	17 02 37.9	-5.2	CD2	34.2	324	eP	17 43 41.8	-0.1	DL2	34.9	353	P	21 38 53.5	0.5	SNY	37.6	356	eP	21 39 15.8	-0.2	LZH	38.0	329	+P	21 39 20.5	0.5	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7	XAN	34.0	333	+iP	21 38 43.7	-1.5	TIY	35.8	341	eP	21 39 00.8	-0.3	BJI	36.9	347	+P	21 39 10.5	0.1	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7	TIA	33.1	346	eP	17 03 33.0	0.1	CD2	34.2	324	eP	17 43 53.0	-2.9	DL2	34.9	353	P	21 38 53.5	0.5	SNY	37.6	356	eP	21 39 15.8	-0.2	LZH	38.0	329	+P	21 39 20.5	0.5	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7	XAN	34.0	333	eP	17 03 35.2	0.0	DL2	34.9	353	P	21 38 53.5	0.5	SNY	37.6	356	eP	21 39 15.8	-0.2	LZH	38.0	329	+P	21 39 20.5	0.5	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7	XAN	34.0	333	eP	17 04 03.0	-0.3	DL2	34.9	353	P	21 38 53.5	0.5	SNY	37.6	356	eP	21 39 15.8	-0.2	LZH	38.0	329	+P	21 39 20.5	0.5	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7	XAN	34.0	333	eP	17 05 18.5	-0.1	DL2	34.9	353	P	21 38 53.5	0.5	SNY	37.6	356	eP	21 39 15.8	-0.2	LZH	38.0	329	+P	21 39 20.5	0.5	HHC	38.9	342	+iP	21 39 27.0	-0.3	BTO	39.2	340	P	21 39 29.0	-0.7



		sP	21 39 45.0	0.5		
		PP	21 41 07.0	0.4		
		eS	21 45 31.0	-1.0		
		LN		$M_s=5.4$	16.0	2.60
		LZ		$M_s=4.9$	20.0	1.90
MDJ	40.4	3	eP	21 39 39.5	0.4	
			pP	21 39 49.0	1.0	
			eS	21 45 45.0	-0.3	
			LZ		$M_s=5.4$	28.0 7.30
LSA	42.0	311	+P	21 39 54.8	1.4	
			S	21 46 11.0	1.9	
			ScS	21 49 55.5	5.4	
			LN		$M_s=5.2$	17.0 1.70
GTA	42.6	329	+iP	21 39 57.5	-0.5	
			PMZ		$m_b=5.7$	5.0 0.55
			PcS	21 45 40.0	-0.4	
			S	21 46 20.5	2.6	
			LN		$M_s=5.9$	20.0 10.1
			LZ		$M_s=5.9$	20.0 14.3
WMQ	52.3	325	P	21 41 12.5	-0.9	
			pP	21 41 24.0	1.8	
			PcP	21 42 25.0	1.3	
			PcS	21 46 21.0	0.4	
			eS	21 48 37.0	1.5	
			ScS	21 50 59.0	2.1	
			LN		$M_s=5.7$	17.0 3.70
			LZ		$M_s=5.9$	20.0 11.8
KSH	57.6	315	P	21 41 52.0	-0.1	
			eS	21 49 45.0	-1.9	
			LN		$M_s=6.1$	17.0 7.30

OCT 8d 22h 06m  $26.5 \pm 0.10s$ ,  $SD1.45 / 50$   
 $33.43 N \pm 1.63km$ ,  $139.24 E \pm 1.83km$ ,  $h224 \pm 2.59km$   
 South of Honshu (211)  
 $m_b 5.4 / 4$ ,

MDJ	13.4	329	eP	22 09 30.5	0.6	
CN2	14.9	318	eP	22 09 48.8	0.6	
SNY	15.0	309	-iP	22 09 50.0	1.4	
DL2	15.2	296	eP	22 09 54.5	2.6	
SSE	15.5	266	P	22 09 55.0	0.5	
			PMZ		$m_b=5.0$	1.0 0.070
NJ2	17.2	271	+P	22 10 14.5	-0.5	
TIA	18.4	285	eP	22 10 25.7	-1.4	
BJI	19.6	296	eP	22 10 38.0	-1.6	
WHN	21.3	269	+P	22 10 56.5	0.0	
TIY	22.2	289	eP	22 11 06.6	1.3	
HHC	23.2	297	+iP	22 11 17.2	2.0	
BTO	24.3	296	eP	22 11 26.5	0.8	
XAN	25.2	280	+P	22 11 32.6	-0.9	
GYA	29.0	265	P	22 12 06.8	-1.2	
			PP	22 13 08.6	-3.4	
			PcP	22 15 12.0	1.8	
			S	22 16 39.6	-1.1	
			PcS	22 18 54.4	2.9	
CD2	30.1	275	+iP	22 12 15.6	-1.7	
GTA	32.1	292	+P	22 12 34.0	-1.2	
			PcP	22 15 20.1	1.7	
LSA	40.9	278	eP	22 13 49.8	0.8	
WMQ	41.0	300	eP	22 13 50.8	1.0	
			PcP	22 15 47.0	1.8	

OCT 9d 00h 30m  $00.2 \pm 0.04s$ ,  $SD0.73 / 87$   
 $30.55 N \pm 0.86km$ ,  $137.76 E \pm 0.82km$ ,  $h494 \pm 0.34km$   
 South of Honshu (211)  
 $m_b 5.1 / 14$ ,  $m_b 5.4 / 10$ ,

SSE	14.3	276	eP	00 33 01.8	-1.6	
			sP	00 34 56.0	3.9	
			eS	00 35 32.5	1.3	

MDJ	15.4	338	-iP	00 33 15.5	-0.1	
			sP	00 35 10.0	1.7	
			S	00 35 57.0	4.0	
			SMN		$m_b=4.9$	10.0 3.70
DL2	15.6	307	eP	00 33 17.0	-0.5	
			S	00 35 57.5	0.9	
			PcP	00 37 49.0	2.2	
SNY	16.0	318	+iP	00 33 22.0	0.7	
			PMZ			3.0 1.23
			sP	00 35 11.6	-4.5	
			iS	00 36 06.0	1.9	
			SMN		$m_b=4.8$	12.0 2.17
			SME			12.0 2.35
NJ2	16.2	280	+P	00 33 23.6	0.2	
			S	00 36 10.0	2.8	
CN2	16.4	327	+iP	00 33 25.5	0.0	
			PMZ		$m_b=5.6$	4.0 0.70
			sP	00 35 22.0	0.4	
			S	00 36 12.0	1.0	
			SMN		$m_b=4.9$	10.0 3.30
QZH	17.9	256	P	00 33 40.0	0.6	
			S	00 36 38.0	2.0	
			SME		$m_b=4.9$	6.0 1.58
TIA	18.1	294	+P	00 33 42.5	0.4	
			sP	00 35 39.0	-4.7	
			S	00 36 45.0	4.4	
			SME		$m_b=5.0$	9.0 3.20
BJI	20.0	304	eP	00 33 59.0	-0.6	
			esP	00 36 10.0	2.7	
			eScP	00 40 44.0	1.1	
			eS	00 37 08.0	-4.6	
WHN	20.2	276	-iP	00 34 02.5	1.0	
			iS	00 37 20.0	4.0	
			SME		$m_b=5.0$	6.0 2.00
			ScP	00 40 45.0	1.6	
TIY	22.1	296	-iP	00 34 20.0	0.3	
			PMZ		$m_b=5.5$	1.0 0.14
			sP	00 36 30.0	-3.7	
			S	00 37 49.0	1.4	
HHC	23.5	303	-P	00 34 32.5	-0.3	
			S	00 38 09.0	-1.9	
			SMN			3.0 0.42
			SME			5.0 0.74
XAN	24.6	286	-iP	00 34 41.8	-0.3	
BTO	24.6	302	eP	00 34 42.5	0.2	
GYA	27.6	269	+P	00 35 08.4	-0.3	
			S	00 39 13.4	-1.3	
			ScS	00 44 57.4	1.8	
LZH	28.8	290	P	00 35 19.0	-0.2	
			PMZ		$m_b=5.2$	1.5 0.11
			sP	00 37 39.0	-0.7	
CD2	29.2	280	-iP	00 35 22.2	-0.3	
			sP	00 37 44.0	0.8	
			S	00 39 38.0	-1.4	
KMI	31.4	269	-P	00 35 41.0	-0.4	
GTA	32.1	296	-iP	00 35 47.4	-0.5	
			PMZ		$m_b=5.4$	2.5 0.34
			PP	00 37 16.5	-3.3	
			PcP	00 38 22.5	-0.1	
			S	00 40 23.5	-1.7	
			SME		$m_b=5.1$	5.0 0.67
			ScP	00 41 19.3	1.1	
WMQ	41.4	303	-iP	00 37 05.0	0.5	
			pP	00 38 36.5	1.3	
			PcP	00 38 51.0	-0.1	
			ScP	00 41 53.5	0.8	
			iS	00 42 43.5	-1.3	
KSH	50.5	298	P	00 38 15.0	0.5	



sP	00 40 39.0	-3.5								4.03 N ± 1.06km, 126.47 E ± 0.41km, h83 ± 2.58km
S	00 44 55.0	4.9								Talaud Islands (263)
OCT 9d 01h 08m 46.1 ± 0.05s, SD1.05 / 15										
4.20 N ± 1.11km, 126.75 E ± 2.59km, h33 ± 0.13km										
Talaud Islands (263)										
BJI	36.9 346	eP	01 15 54.5	0.2						
LZH	38.1 329	-P	01 16 04.5	0.2						
OCT 9d 04h 16m 55.0 ± 0.18s, SD1.01 / 75										
4.24 N ± 1.65km, 126.64 E ± 2.28km, h49 ± 0.54km										
Talaud Islands (263)										
M <sub>S</sub> 4.8 / 10, m <sub>b</sub> 5.6 / 6,										
QZH	22.0 340	eP	04 21 48.0	1.2						
		eS	04 25 43.0	1.9						
		LN	M <sub>S</sub> =4.7	20.0	1.87					
QZN	22.0 313	P	04 21 49.6	2.5						
		LE	M <sub>S</sub> =4.7	15.0	1.38					
GZH	22.7 327	-P	04 21 54.0	0.0						
SSE	27.2 350	+P	04 22 37.7	1.2						
		PMZ	m <sub>b</sub> =4.9	1.4	0.040					
		eS	04 27 11.0	1.1						
		LN	M <sub>S</sub> =4.5	18.0	0.75					
		LZ	M <sub>S</sub> =4.1	20.0	0.46					
NJ2	28.6 346	+P	04 22 50.2	0.9						
WHN	28.6 337	P	04 22 49.5	0.2						
		PMZ	m <sub>b</sub> =5.3	1.0	0.060					
		pP	04 23 02.0	0.9						
		S	04 27 32.0	0.1						
		LZ	M <sub>S</sub> =4.9	20.0	3.20					
GYA	29.2 321	P	04 22 55.0	0.2						
		pP	04 23 10.0	3.5						
		S	04 27 42.0	0.6						
		LZ	M <sub>S</sub> =4.7	20.0	1.80					
KMI	31.0 314	eP	04 23 10.0	-0.4						
TIA	33.0 346	P	04 23 27.6	-0.4						
XAN	33.9 333	+iP	04 23 34.4	-1.6						
CD2	34.2 323	-iP	04 23 37.8	-0.4						
DL2	34.8 353	P	04 23 44.0	0.5						
TIY	35.8 341	-iP	04 23 51.8	0.1						
		eS	04 29 18.0	-6.6						
		LE	M <sub>S</sub> =4.8	15.0	0.76					
		LZ	M <sub>S</sub> =4.6	23.0	1.32					
BJI	36.9 347	eP	04 24 01.0	0.0						
		eS	04 29 42.0	0.5						
		LZ	M <sub>S</sub> =4.2	22.0	0.44					
SNY	37.5 356	+iP	04 24 07.2	0.7						
LZH	38.0 329	+iP	04 24 11.0	0.2						
		PMZ	m <sub>b</sub> =5.8	1.5	0.26					
		LZ	M <sub>S</sub> =4.9	18.0	1.76					
HHC	38.9 342	+P	04 24 18.4	0.4						
BTO	39.2 340	eP	04 24 20.5	0.2						
CN2	39.4 359	+P	04 24 21.8	-0.4						
MDJ	40.3 3	eP	04 24 30.0	0.5						
		pP	04 24 42.0	0.3						
LSA	42.0 311	P	04 24 45.4	1.0						
GTA	42.6 329	+P	04 24 48.0	-0.8						
		PcP	04 26 41.0	1.2						
		ScS	04 34 47.5	5.4						
		LN	M <sub>S</sub> =5.1	18.0	1.28					
		LZ	M <sub>S</sub> =5.1	20.0	2.26					
WMQ	52.3 325	P	04 26 03.0	-1.2						
		eS	04 33 26.8	2.6						
		ScS	04 35 50.5	5.3						
		LZ	M <sub>S</sub> =5.0	20.0	1.58					
KSH	57.6 315	eP	04 26 42.0	-1.0						
OCT 9d 05h 35m 44.1 ± 0.27s, SD1.96 / 14										
4.03 N ± 1.06km, 126.47 E ± 0.41km, h83 ± 2.58km										
Talaud Islands (263)										
TIY	35.9 341	eP	05 42 41.9	3.3						
BJI	37.0 347	eP	05 42 48.0	-0.1						
OCT 9d 08h 02m 54.1 ± 0.05s, SD0.92 / 68										
44.87 N ± 1.65km, 150.23 E ± 1.08km, h34 ± 0.35km										
Kurile Islands (221)										
m <sub>b</sub> 5.2 / 2,										
MDJ	14.7 276	eP	08 06 22.0	0.8						
CN2	17.7 275	+P	08 06 59.6	-0.8						
SNY	19.6 270	-iP	08 07 22.2	-0.1						
DL2	22.0 264	P	08 07 48.0	0.3						
BJI	25.5 271	eP	08 08 20.5	-0.5						
TIA	26.5 263	P	08 08 29.8	-0.4						
SSE	26.5 249	+P	08 08 31.7	0.8						
		PMZ	m <sub>b</sub> =5.0	1.0	0.040					
NJ2	27.5 253	+P	08 08 40.2	0.3						
HHC	28.4 276	eP	08 08 48.0	-0.4						
TIY	29.1 269	+P	08 08 54.8	0.7						
BTO	29.6 276	eP	08 08 58.8	-0.1						
WHN	31.5 255	-P	08 09 14.5	-0.9						
XAN	33.4 266	P	08 09 30.7	-0.9						
LZH	35.9 272	-P	08 09 54.0	0.1						
		PMZ	m <sub>b</sub> =5.4	1.5	0.11					
GTA	37.3 280	-iP	08 10 05.0	-0.2						
CD2	38.7 265	-iP	08 10 16.8	-0.2						
GYA	39.3 257	P	08 10 22.0	-0.3						
KMI	42.9 259	+P	08 10 52.0	0.1						
WMQ	43.7 292	P	08 10 58.0	-0.5						
KSH	53.5 292	P	08 12 14.0	-0.3						
		eS	08 19 42.0	-1.8						
OCT 9d 12h 03m 23.7 ± 0.28s, SD2.95 / 11										
38.67 N ± 2.00km, 76.92 E ± 2.06km, h25 ± km										
Southern Xinjiang Province (321)										
M <sub>L</sub> 3.9 / 4,										
KSH	1.1 317	-iPg	12 03 41.5	-1.7						
		Sg	12 04 02.0	4.1						
		SMN	M <sub>L</sub> =3.9	0.3	2.50					
		SME		0.3	2.90					
WMQ	9.6 54	P	12 05 44.5	0.6						
GTA	17.8 80	eP	12 07 31.2	-0.7						
OCT 9d 16h 14m 16.1 ± 0.11s, SD1.16 / 71										
7.31 S ± 1.09km, 146.62 E ± 1.94km, h142 ± 0.48km										
Eastern New Guinea region (207)										
m <sub>b</sub> 5.4 / 3,										
SSE	45.3 329	P	16 22 22.2	0.4						
		PMZ	m <sub>b</sub> =5.3	1.0	0.050					
NJ2	47.3 327	-P	16 22 38.0	0.7						
WHN	48.7 322	+P	16 22 50.5	1.9						
		PMZ	m <sub>b</sub> =5.4	1.0	0.060					
		pP	16 23 24.0	3.5						
GYA	51.3 312	+P	16 23 09.4	1.2						
TIA	51.4 329	P	16 23 08.2	-0.8						
SNY	53.3 339	-P	16 23 21.9	-0.9						
KMI	53.5 309	-P	16 23 26.0	1.2						
MDJ	53.9 345	eP	16 23 26.2	-1.4						
CN2	54.4 341	eP	16 23 29.0	-1.9						
XAN	54.5 321	-iP	16 23 31.0	-0.6						
BJI	54.9 332	eP	16 23 34.0	-0.5						
TIY	55.0 327	-P	16 23 35.2	-0.3						
CD2	55.9 315	-iP	16 23 42.6	0.4						
HHC	57.7 329	eP	16 23 55.0	-0.1						
BTO	58.4 328	-iP	16 23 59.2	-0.3						
LZH	59.0 320	-P	16 24 04.0	0.3						
GTA	63.5 321	-iP	16 24 34.3	0.1						





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LSA	64.7	308	-P	16 24	43.6	1.1		
WMQ	73.5	320	-iP	16 25	36.5	0.4		
OCT 9d 17h 03m 54.9±0.27s, SD2.40 / 34 35.24 S±5.25km, 103.41 W±6.93km, h5±1.11km Southern Pacific Ocean (692)								
MDJ	138.9	300	ePKP	17 23	21.0	-2.8		
CN2	141.8	298	ePKP	17 23	31.0	2.0		
NJ2	144.9	277	+PKP	17 23	30.6	-3.6		
TIA	147.2	284	PKP	17 23	37.0	-1.3		
WHN	148.1	272	ePKP	17 23	39.5	-0.1		
BJI	148.5	291	ePKP	17 23	40.5	0.3		
TIY	151.2	286	ePKP	17 23	43.6	-1.0		
OCT 9d 22h 05m 03.5±0.14s, SD2.31 / 37 24.92 N±2.18km, 94.71 E±1.37km, h63±0.74km Burma-India border region (294)								
LSA	5.7	327	P	22 06	30.2	1.7		
KMI	7.3	87	eP	22 06	49.0	-1.0		
CD2	10.0	51	eP	22 07	25.8	-1.0		
GYA	10.9	79	P	22 07	42.6	3.4		
LZH	13.6	33	eP	22 08	10.5	-5.2		
GTA	15.1	15	P	22 08	39.0	4.4		
WHN	18.3	68	eP	22 09	19.0	4.8		
WMQ	19.7	345	P	22 09	33.0	2.2		
TIY	19.8	46	eP	22 09	31.5	0.3		
BTO	20.2	36	eP	22 09	34.3	-1.7		
HHC	21.2	37	eP	22 09	47.0	0.6		
OCT 9d 22h 41m 07.0±0.18s, SD1.54 / 70 9.66 S±3.24km, 108.84 E±2.89km, h24±0.33km South of Java (282) M <sub>s</sub> 5.3 / 28, m <sub>b</sub> 5.7 / 8, m <sub>b</sub> 5.5 / 3,								
KMI	35.1	350	eP	22 48	03.5	2.5		
			pP	22 48	11.0	2.6		
			S	22 53	33.0	2.7		
			sS	22 53	46.0	2.1		
			LE		M <sub>s</sub> =5.4	14.0	2.90	
			LZ		M <sub>s</sub> =5.3	16.0	4.30	
GYA	36.0	357	+P	22 48	09.0	0.6		
			pP	22 48	17.0	1.1		
			S	22 53	50.0	6.1		
			LN		M <sub>s</sub> =5.1	14.0	1.40	
			LZ		M <sub>s</sub> =5.0	16.0	2.20	
WHN	40.3	7	P	22 48	45.0	0.4		
			PMZ		m <sub>b</sub> =5.5	1.5	0.13	
			pP	22 48	54.0	1.6		
			eS	22 54	50.0	-1.0		
			LZ		M <sub>s</sub> =5.2	14.0	2.40	
CD2	40.6	353	eP	22 48	48.0	0.7		
			pP	22 48	57.0	2.1		
			S	22 54	58.5	3.8		
			LE		M <sub>s</sub> =5.5	11.0	2.48	
			LZ		M <sub>s</sub> =5.2	13.0	2.00	
SSE	42.2	16	eP	22 49	01.0	0.7		
			PMZ		m <sub>b</sub> =5.2	1.7	0.070	
			pP	22 49	09.5	1.5		
			sP	22 49	15.0	3.6		
			eS	22 55	18.0	-1.2		
			esS	22 55	36.0	4.0		
			LE		M <sub>s</sub> =5.1	12.0	0.87	
			LZ		M <sub>s</sub> =4.7	16.0	0.89	
NJ2	42.6	13	+P	22 49	04.0	0.9		
			S	22 55	23.0	-0.3		
			LN		M <sub>s</sub> =4.9	11.0	0.30	
			LE			11.0	0.50	
LSA	42.7	337	+P	22 49	05.7	1.1		
			S	22 55	30.0	5.1		

							SMN	m <sub>b</sub> =5.7	14.0	0.70
							LN	M <sub>s</sub> =5.0	14.0	0.80
XAN	43.4	0	+iP	22 49	10.6	0.1				
			pP	22 49	18.1	-0.1				
			S	22 55	40.1	3.8				
			LE		M <sub>s</sub> =5.3	13.0	1.49			
LZH	45.7	354	+P	22 49	30.0	1.0				
			PMZ			3.0	0.36			
			pP	22 49	37.0	0.5				
			eS	22 56	08.0	-2.6				
			LN		M <sub>s</sub> =5.3	13.0	1.54			
			LZ		M <sub>s</sub> =5.3	14.0	2.29			
TIA	46.3	9	eP	22 49	32.5	-0.6				
			eS	22 56	21.4	3.3				
			LN		M <sub>s</sub> =5.5	14.0	1.67			
			LE			14.0	1.35			
TIY	47.2	4	eP	22 49	40.2	-0.5				
			PMZ		m <sub>b</sub> =5.5	8.0	0.56			
			pP	22 49	49.5	1.2				
			ePP	22 51	34.0	3.5				
			S	22 56	34.0	3.4				
			LE		M <sub>s</sub> =5.4	16.0	2.32			
			LZ		M <sub>s</sub> =4.9	20.0	1.37			
GTA	49.5	351	+P	22 49	59.0	0.5				
			PMZ		m <sub>b</sub> =5.8	4.0	0.53			
			pP	22 50	05.4	-0.7				
			S	22 57	06.0	3.2				
			LN		M <sub>s</sub> =5.1	12.0	0.70			
			LZ		M <sub>s</sub> =5.2	14.0	1.67			
DL2	49.8	13	eP	22 50	02.0	1.9				
BJI	49.9	7	eP	22 50	01.0	-0.3				
			eS	22 57	12.0	2.9				
			LN		M <sub>s</sub> =5.1	12.0	0.67			
			LZ		M <sub>s</sub> =4.8	16.0	0.76			
BTO	50.0	1	P	22 50	02.0	-0.2				
			pP	22 50	10.0	0.2				
			PP	22 51	59.5	2.3				
			S	22 57	12.0	2.5				
			LN		M <sub>s</sub> =5.6	14.0	1.80			
			LE			13.0	2.20			
HHC	50.3	3	eP	22 50	04.0	-0.5				
			S	22 57	13.6	-0.1				
			LN		M <sub>s</sub> =5.3	16.0	1.30			
			LE			12.0	0.55			
SNY	53.0	14	+P	22 50	22.0	-2.6				
			S	22 57	50.0	-0.4				
			LN		M <sub>s</sub> =5.3	18.0	1.25			
			LE			16.0	0.75			
			LZ		M <sub>s</sub> =4.9	16.0	0.94			
CN2	55.3	15	+P	22 50	40.0	-1.6				
			pP	22 50	48.4	-1.0				
			eS	22 58	21.0	-1.8				
			LN		M <sub>s</sub> =5.3	14.0	1.10			
			LZ		M <sub>s</sub> =4.8	14.0	0.60			
WMQ	56.6	342	+iP	22 50	50.6	-0.3				
			S	22 58	42.0	3.3				
			LE		M <sub>s</sub> =5.1	12.0	0.60			
			LZ		M <sub>s</sub> =5.0	16.0	1.13			
MDJ	57.2	18	eP	22 50	50.5	-4.6				
KSH	57.6	330	eP	22 50	57.0	-1.1				
			pP	22 51	06.0	0.2				
			eS	22 58	52.0	-1.5				
OCT 10d 04h 41m 10.7±0.05s, SD1.55 / 7 38.68 N±0.38km, 116.14 E±0.44km, h12±0.21km North-Eastern China (658) M <sub>L</sub> 3.1 / 7,										
BJI	1.4	1	Pn	04 41	34.0	-2.0				



TIA	2.6 162	Pg	04 41 35.0	0.1					BTO	25.7 277	+iP	05 57 38.0	1.0						
		eSg	04 41 52.0	-1.5								sP	05 57 55.5	-0.4					
		SMN		$M_L=2.6$	0.5	0.11						S	06 02 01.5	3.0					
		SME			0.5	0.090						LN		$M_S=5.2$	10.0	1.20			
		ePg	04 41 56.5	0.0								LE			10.0	2.00			
MDJ	11.0 285	Sg	04 42 31.4	-0.3					WHN	26.9 253	-iP	05 57 48.5	0.8						
		SMN		$M_L=2.9$	0.5	0.040					PMZ		$m_b=5.8$	1.5	0.31				
		SME			0.4	0.090					LN		$M_S=5.1$	12.0	1.95				
											LZ		$M_S=4.9$	20.0	3.18				
<p>OCT 10d 05h 52m 09.5 ± 0.07s, SD1.16 / 92                      42.69 N ± 1.51km, 144.49 E ± 1.12km, h56 ± 0.61km                      Hokkaido region (224)  <math>M_S=5.2/33, m_B=5.9/15, m_b=5.7/10,</math></p>									<p>QZH 27.7 239 eP 05 57 55.0 0.2                      sP 05 58 18.0 4.2                      S 06 02 33.0 2.8                      SMN <math>m_B=6.1</math> 8.0 3.96                      LZ <math>M_S=4.7</math> 32.0 3.33</p>										
CN2	13.9 281	eP	05 54 48.0	1.6					XAN	29.0 265	-iP	05 58 06.4	-0.4						
		sP	05 55 06.0	3.1							pP	05 58 24.0	4.2						
		eS	05 56 50.0	2.4							LN		$M_S=4.9$	13.0	1.20				
		SS	05 57 05.0	3.1							LZH	31.9 272	-P	05 58 31.5	-0.6				
		LZ		$M_S=4.7$	30.0	10.8						PMZ		$m_b=6.0$	1.5	0.37			
SNY	15.5 274	+P	05 55 25.5	-0.3							pP	05 58 47.5	2.5						
		pP	05 55 35.0	-0.3							eS	06 03 37.0	-0.5						
		eS	05 57 57.0	-1.8							SME		$m_B=5.5$	6.0	0.76				
		LN		$M_S=5.2$	13.0	8.70					LN		$M_S=5.2$	13.0	1.90				
		eP	05 55 46.0	-0.3							LZ		$M_S=4.8$	24.0	2.30				
DL2	17.7 265	pP	05 55 57.5	1.4					GZH	32.4 243	-iP	05 58 37.5	1.1						
		sP	05 56 05.0	1.9							S	06 03 50.0	5.7						
		S	05 58 34.0	-1.3							LZ		$M_S=5.1$	14.0	2.93				
		SMN		$m_B=5.3$	8.0	1.22					P	05 58 46.6	-0.1						
		LN		$M_S=4.9$	12.0	2.53					pP	05 59 03.5	3.6						
BJI	21.4 272	LE			10.0	1.49					eS	06 04 00.0	-3.8						
		LZ		$M_S=4.5$	15.0	2.23					sS	06 04 28.0	1.5						
		P	05 56 14.0	0.1							ScS	06 09 02.5	-1.0						
		sP	05 56 30.0	-1.1							LN		$M_S=5.2$	11.0	1.81				
		ScS	06 07 58.0	0.4							LZ		$M_S=5.0$	16.0	2.28				
SSE	21.9 246	LN		$M_S=5.0$	12.0	2.60			CD2	34.4 264	eP	05 58 53.5	0.0						
		LE			12.0	2.40					-P	05 58 57.0	-0.1						
		LZ		$M_S=4.4$	15.0	1.40					pP	05 59 15.0	4.6						
		+P	05 56 53.5	-1.0							PP	06 00 18.0	3.5						
		PMZ		$m_b=5.5$	2.0	0.49					S	06 04 19.0	-2.4						
TIA	22.0 262	pP	05 57 06.0	-1.0							PcS	06 05 16.0	1.8						
		eS	06 00 43.0	0.0							ScS	06 09 10.0	0.1						
		LN		$M_S=5.1$	14.0	3.10					LZ		$M_S=4.9$	18.0	2.10				
		LZ		$M_S=4.7$	32.0	4.30					LZ		$M_S=4.9$	20.0	1.90				
		P	05 56 59.0	-0.3						KMI	38.4 256	-P	05 59 28.5	0.8					
NJ2	22.9 251	sP	05 57 20.0	1.9							pP	05 59 46.0	5.1						
		iS	06 00 52.0	0.0							S	06 05 17.0	0.3						
		LN		$M_S=5.2$	12.0	1.44					sS	06 05 44.0	3.1						
		LE			12.0	2.89					LN		$M_S=5.2$	14.0	1.50				
		LZ		$M_S=4.9$	16.0	3.20					LZ		$M_S=4.9$	20.0	1.90				
HHC	24.5 277	eP	05 56 58.9	-2.3					WMQ	40.7 292	P	05 59 47.0	0.4						
		esP	05 57 23.0	3.1							pP	06 00 03.0	3.0						
		S	06 00 57.0	2.4							S	06 05 51.0	-0.1						
		SMN		$m_B=6.0$	9.0	3.00					SMN		$m_B=5.7$	5.0	0.64				
		SME			9.0	1.60					iScS	06 09 45.0	1.7						
TIY	24.9 269	+P	05 57 10.4	0.9							LE		$M_S=5.6$	11.0	2.65				
		S	06 01 11.5	1.6							LZ		$M_S=5.3$	16.0	3.76				
		LN		$M_S=5.4$	17.0	6.80				LSA	44.3 271	+P	06 00 17.0	0.7					
		LE			16.0	4.30						sP	06 00 34.5	-0.9					
		LZ		$M_S=5.3$	14.0	6.80						S	06 06 44.5	0.7					
KSH	50.5 291	eP	05 57 26.5	0.9							ScS	06 10 07.5	2.2						
		sP	05 57 44.0	-0.3							LN		$M_S=5.1$	17.0	1.20				
		S	06 01 41.0	2.5							eP	06 01 04.8	0.4						
		LN		$M_S=5.2$	6.0	0.69					sP	06 01 26.0	2.2						
		LE			10.0	1.96					S	06 08 11.5	0.4						
<p>OCT 10d 06h 31m 27.2 ± 0.09s, SD1.16 / 70                      13.65 S ± 1.65km, 166.52 E ± 2.30km, h34 ± 0.56km</p>									<p>eP 06 01 50.0 4.4                      LE <math>M_S=5.5</math> 11.0 1.70</p>										



Vanuatu (New Hebrides)				(186)			
M <sub>S</sub> 5.1 / 5, m <sub>B</sub> 5.7 / 3, m <sub>b</sub> 5.8 / 4,							
SSE	62.2	316	P	06 41 48.0	-0.6		
			PMZ		m <sub>B</sub> = 5.0	1.9	0.040
			S	06 50 14.0	4.4		
			LE		M <sub>S</sub> = 5.2	18.0	0.90
NJ2	64.4	316	-P	06 42 03.0	0.2		
WHN	66.7	312	eP	06 42 16.5	-0.9		
MDJ	67.0	332	eP	06 42 19.3	-0.1		
DL2	67.0	323	eP	06 42 19.0	-0.4		
			LZ		M <sub>S</sub> = 4.7	18.0	0.42
CN2	68.4	329	+P	06 42 27.4	-0.5		
GYA	70.5	305	P	06 42 41.6	0.3		
BJI	71.0	321	+P	06 42 44.0	0.0		
			PMZ		m <sub>B</sub> = 5.9	4.0	0.59
			eS	06 52 00.0	3.5		
			LZ		M <sub>S</sub> = 4.9	24.0	0.78
TIY	72.0	318	+P	06 42 50.5	0.5		
			PMZ		m <sub>B</sub> = 5.9	1.8	0.27
			S	06 52 08.0	1.2		
			LE		M <sub>S</sub> = 5.1	16.0	0.52
			LZ		M <sub>S</sub> = 5.0	21.0	0.89
XAN	72.4	313	eP	06 42 52.6	-0.1		
KMI	73.1	302	+P	06 42 58.5	1.4		
			LZ		M <sub>S</sub> = 4.8	28.0	0.80
HHC	74.3	320	P	06 43 04.2	0.4		
CD2	74.8	308	eP	06 43 07.0	0.5		
BTO	75.1	319	+iP	06 43 09.0	0.4		
LZH	77.1	312	+P	06 43 20.0	0.3		
			PMZ		m <sub>B</sub> = 5.8	2.5	0.32
			pP	06 43 33.0	3.9		
			LZ		M <sub>S</sub> = 4.8	26.0	0.60
GTA	81.4	314	+iP	06 43 43.7	0.6		
			PMZ			3.0	0.46
			S	06 53 56.0	6.8		
			LN		M <sub>S</sub> = 5.3	20.0	0.78
			LZ		M <sub>S</sub> = 5.1	18.0	0.79
WMQ	91.5	315	P	06 44 32.0	-0.4		
<p>OCT 10d 06h 56m 28.6 ± 0.09s, SD1.28 / 66                      44.85 N ± 2.09km, 147.69 E ± 1.23km, h134 ± 1.04km                      Kurile Islands (221)                      m<sub>B</sub>5.3 / 4,</p>							
MDJ	12.9	275	eP	06 59 28.0	0.1		
CN2	15.9	274	+P	07 00 06.0	-0.9		
SNY	17.8	269	+iP	07 00 29.3	0.2		
DL2	20.2	262	eP	07 00 54.4	-1.1		
BJI	23.7	269	eP	07 01 29.5	0.5		
TIA	24.7	260	P	07 01 38.7	0.1		
SSE	24.9	246	P	07 01 41.0	0.5		
			PMZ		m <sub>B</sub> = 4.5	1.0	0.020
NJ2	25.8	250	-P	07 01 50.4	1.2		
HHC	26.6	274	eP	07 01 58.0	0.9		
TIY	27.3	267	eP	07 02 03.3	0.4		
BTO	27.8	275	eP	07 02 09.0	1.0		
WHN	29.8	253	eP	07 02 24.0	-1.0		
LZH	34.1	271	+iP	07 03 04.0	0.8		
			PMZ		m <sub>B</sub> = 5.4	1.5	0.11
GTA	35.5	278	+iP	07 03 15.7	0.9		
CD2	36.9	263	eP	07 03 26.6	0.0		
WMQ	42.1	291	P	07 04 10.0	0.8		
KSH	51.9	291	eP	07 05 27.0	1.1		
<p>OCT 10d 07h 19m 21.6 ± 0.08s, SD1.07 / 70                      22.66 S ± 1.95km, 171.93 E ± 1.86km, h39 ± 0.57km                      Loyalty Islands region (189)                      M<sub>S</sub>5.3 / 1, m<sub>B</sub>5.7 / 3,</p>							
SSE	72.3	316	P	07 30 45.0	-0.5		
				<p>LZ M<sub>S</sub> = 5.0 20.0 0.93</p>			
NJ2	74.4	315	-P	07 30 58.4	0.4		
WHN	76.5	311	P	07 31 10.5	0.5		
			pP	07 31 17.5	-3.3		
DL2	77.2	322	eP	07 31 14.4	0.1		
			sP	07 31 25.0	-4.5		
			eS	07 41 00.0	-0.1		
			LZ		M <sub>S</sub> = 5.0	24.0	0.99
MDJ	77.3	330	eP	07 31 14.5	-0.2		
TIA	78.2	318	+P	07 31 18.7	-0.6		
SNY	78.2	325	eP	07 31 18.9	-0.7		
CN2	78.7	328	+P	07 31 21.5	-0.7		
			PMZ			3.0	0.30
			epP	07 31 31.8	-1.2		
			eS	07 41 15.0	-0.5		
			LZ		M <sub>S</sub> = 5.2	17.0	0.90
GYA	79.8	304	P	07 31 28.2	-0.3		
			pP	07 31 40.0	0.8		
BJI	81.2	320	+P	07 31 35.5	0.0		
			epP	07 31 46.0	-0.3		
			eS	07 41 44.0	2.5		
			LZ		M <sub>S</sub> = 5.3	20.0	1.50
TIY	82.0	316	+P	07 31 40.5	0.3		
			PMZ		m <sub>B</sub> = 5.6	1.4	0.10
			pP	07 31 52.0	1.2		
			S	07 41 55.5	6.6		
			LZ		M <sub>S</sub> = 5.2	24.0	1.35
KMI	82.2	301	+P	07 31 42.5	1.4		
			pP	07 31 53.0	1.3		
			S	07 41 56.0	5.5		
			LZ		M <sub>S</sub> = 4.8	24.0	0.50
XAN	82.3	312	P	07 31 41.5	0.2		
CD2	84.3	307	eP	07 31 51.8	0.2		
HHC	84.4	319	+P	07 31 53.0	0.6		
BTO	85.2	318	eP	07 31 57.0	0.6		
LZH	86.9	311	eP	07 32 06.0	1.5		
			PMZ		m <sub>B</sub> = 5.9	2.5	0.25
			pP	07 32 16.0	0.9		
			LZ		M <sub>S</sub> = 4.9	26.0	0.70
GTA	91.3	312	+P	07 32 25.7	0.3		
			sP	07 32 37.2	-3.4		
			LE		M <sub>S</sub> = 5.3	25.0	0.82
			LZ		M <sub>S</sub> = 5.1	26.0	0.85
WMQ	101.4	313	eP	07 33 10.8	-0.4		
<p>OCT 10d 10h 27m 16.4 ± 0.16s, SD2.05 / 25                      23.79 N ± 1.70km, 121.82 E ± 1.75km, h33 ± 0.49km                      Taiwan (244)                      M<sub>S</sub>3.9 / 3, M<sub>L</sub>4.0 / 14,</p>							
QZH	3.2	292	Pn	10 28 04.7	0.4		
			Sn	10 28 39.8	-2.6		
			SMN		M <sub>L</sub> = 3.8	0.2	0.50
			SME			0.2	0.23
SSE	7.3	356	eP	10 29 03.5	0.0		
			SMN		M <sub>L</sub> = 3.8	1.0	0.030
			SME			1.0	0.040
			LE		M <sub>S</sub> = 3.8	6.0	0.47
GZH	7.8	267	eP	10 29 10.0	-0.6		
			eS	10 30 38.8	0.0		
			SMN		M <sub>L</sub> = 4.4	1.0	0.14
			SME			0.8	0.10
NJ2	8.6	343	-P	10 29 20.6	-1.6		
			eS	10 30 56.5	-3.0		
			SMN		M <sub>L</sub> = 4.5	1.0	0.10
WHN	9.5	317	eP	10 29 31.5	-2.0		
			pP	10 29 40.0	-0.3		
			LZ		M <sub>S</sub> = 4.1	12.0	1.21
GYA	14.0	284	eP	10 30 36.4	1.7		





Station	Time	Phase	Time	Amplitude	Phase	Time	Amplitude	Phase
TIY	16.0 332	S	10 33 06.2	-3.1				
		eP	10 31 06.6	5.2				
		LN		$M_s = 3.9$	11.0	0.25		
<p>OCT 10d 10h 31m <math>14.8 \pm 0.13s</math>, SD1.90 / 18  <math>13.62 S \pm 2.58km</math>, <math>166.15 E \pm 1.64km</math>, <math>h74 \pm 1.80km</math>                      Vanuatu (New Hebrides) (186)</p>								
CN2	68.1 329	eP	10 42 10.0	0.3				
BJI	70.7 321	eP	10 42 30.0	4.5				
TIY	71.7 318	+P	10 42 33.4	1.8				
GTA	81.1 314	eP	10 43 25.0	0.4				
<p>OCT 10d 18h 13m <math>41.8 \pm 0.09s</math>, SD1.20 / 45  <math>10.04 S \pm 1.48km</math>, <math>123.14 E \pm 1.73km</math>, <math>h77 \pm 0.34km</math>                      Savu Sea (288)  <math>m_b 5.0 / 2</math>,</p>								
GYA	39.7 337	P	18 21 09.4	1.1				
NJ2	42.1 355	+P	18 21 28.4	0.5				
CD2	44.8 336	eP	18 21 50.2	0.3				
XAN	45.9 343	P	18 21 58.3	-0.4				
TIY	48.5 349	eP	18 22 19.4	-0.3				
LZH	49.4 339	+P	18 22 26.5	0.5				
		PMZ		$m_b = 5.3$	1.0	0.040		
LSA	50.1 323	-P	18 22 32.9	0.8				
BJI	50.2 353	eP	18 22 32.5	-0.1				
HHC	51.7 349	eP	18 22 44.0	-0.2				
BTO	51.8 347	eP	18 22 45.0	0.3				
CN2	53.6 2	eP	18 22 57.0	-1.0				
GTA	53.8 338	+P	18 22 59.6	0.4				
MDJ	54.7 6	+P	18 23 06.8	0.8				
WMQ	62.5 332	P	18 24 00.6	0.1				
<p>OCT 10d 18h 20m <math>30.2 \pm 0.13s</math>, SD1.00 / 94  <math>28.47 S \pm 3.18km</math>, <math>177.39 W \pm 1.96km</math>, <math>h68 \pm 0.33km</math>                      Kermadec Islands region (177)  <math>M_s 5.9 / 20</math>, <math>m_b 6.6 / 17</math>, <math>m_b 6.6 / 6</math>,</p>								
QZH	81.3 304	+iP	18 32 40.0	-1.4				
		PMZ		$m_b = 6.7$	4.0	4.34		
		pP	18 32 56.0	-3.3				
		sP	18 33 05.0	-2.0				
		S	18 42 44.0	-0.1				
		SME			14.0	2.37		
		LN		$M_s = 5.8$	28.0	3.70		
		LZ		$M_s = 5.5$	28.0	2.97		
SSE	83.2 311	+iP	18 32 51.0	-0.4				
		PMZ		$m_b = 6.3$	6.0	2.53		
		pP	18 33 04.0	-5.4				
		sP	18 33 14.0	-3.1				
		S	18 43 04.0	0.2				
		sS	18 43 36.0	-0.4				
		LN		$M_s = 6.0$	19.0	2.63		
		LE			18.0	2.26		
		LZ		$M_s = 5.9$	24.0	6.59		
GZH	84.1 300	+iP	18 32 56.0	0.1				
		eS	18 43 14.0	-0.4				
		LZ		$M_s = 5.8$	25.0	4.66		
QZN	84.7 295	-iP	18 32 59.8	1.3				
NJ2	85.4 310	+P	18 33 02.5	0.3				
		PMZ		$m_b = 6.7$	7.0	5.90		
		S	18 43 24.0	-1.1				
MDJ	87.3 325	+iP	18 33 11.5	-0.2				
		PMZ		$m_b = 6.6$	5.0	3.20		
		pP	18 33 27.0	-2.8				
		sP	18 33 35.0	-2.5				
		SKS	18 43 30.0	0.4				
		S	18 43 46.0	2.4				
		LZ		$M_s = 6.1$	27.0	10.2		
WHN	87.6 307	+P	18 33 13.5	0.5				
		PMZ		$m_b = 6.8$	4.0	2.10		
		sP	18 34 07.0	0.9				
		eS	18 44 42.0	1.4				
		LZ		$M_s = 5.7$	20.0	2.90		
HHC	95.3 314	+P	18 33 49.0	0.3				
		PMZ		$m_b = 6.5$	5.0	0.98		
		SKS	18 44 20.0	4.2				
		S	18 44 50.0	-4.2				
		LN		$M_s = 6.2$	38.0	7.33		
		LE			40.0	7.14		
CD2	95.5 302	eP	18 33 50.3	0.6				
BTO	96.1 313	eP	18 33 52.0	-0.5				
		eS	18 45 02.0	-1.4				
LZH	98.0 307	+P	18 34 01.0	-0.1				
		PMZ		$m_b = 6.7$	2.0	0.41		
		PMZ		$m_b = 6.8$	4.0	2.10		
		pP	18 33 30.0	-1.2				
		eSKS	18 43 32.0	0.6				
		eS	18 43 48.0	0.1				
		LZ		$M_s = 6.1$	22.0	7.97		
DL2	87.9 317	+iP	18 33 14.0	-0.3				
		pP	18 33 31.0	-1.6				
		SKS	18 43 34.0	0.8				
		S	18 43 55.0	6.1				
		sS	18 44 22.0	0.1				
		LZ		$M_s = 5.7$	27.0	4.10		
SNY	88.6 320	+iP	18 33 17.0	-0.9				
		PMZ			36.0	4.46		
		pP	18 33 33.5	-2.6				
		eS	18 44 00.0	2.4				
		LN		$M_s = 5.8$	30.0	3.70		
		LZ		$M_s = 5.6$	36.0	4.46		
CN2	88.9 323	+iP	18 33 18.8	-0.5				
		PMZ		$m_b = 6.7$	5.0	3.00		
		pP	18 33 33.0	-4.4				
		eS	18 43 58.0	-2.2				
		LN		$M_s = 5.9$	22.0	3.50		
		LZ		$M_s = 5.7$	28.0	3.70		
TIA	89.1 313	+P	18 33 20.1	0.2				
		pP	18 33 33.0	-5.0				
		S	18 44 01.9	2.3				
		LZ		$M_s = 6.0$	30.0	8.92		
GYA	91.1 300	+P	18 33 30.0	0.6				
		sP	18 33 54.0	-1.1				
		SKS	18 43 56.0	3.7				
		S	18 44 20.0	2.3				
		LN		$M_s = 5.9$	20.0	2.50		
		LE			20.0	1.50		
		LZ		$M_s = 5.5$	30.0	3.00		
BJI	91.9 315	+iP	18 33 33.0	-0.2				
		PMZ		$m_b = 6.6$	5.0	2.00		
		epP	18 33 50.0	-1.5				
		esP	18 33 58.0	-1.1				
		SKS	18 43 57.0	-0.2				
		eS	18 44 26.0	-1.0				
		esS	18 44 58.0	-0.5				
		LN		$M_s = 6.1$	16.0	3.80		
		LZ		$M_s = 5.8$	41.0	7.20		
TIY	93.0 312	+iP	18 33 38.4	0.2				
		PMZ		$m_b = 6.5$	1.1	0.33		
		pP	18 33 57.0	0.6				
		SKS	18 44 03.0	-0.2				
		S	18 44 36.0	1.5				
		sS	18 45 10.5	2.7				
		LE		$M_s = 6.2$	23.0	5.62		
		LZ		$M_s = 6.2$	18.0	8.58		
XAN	93.4 307	+iP	18 33 40.0	0.0				
KMI	93.4 297	+P	18 33 41.0	0.6				
		PMZ		$m_b = 6.8$	4.0	2.10		
		sP	18 34 07.0	0.9				
		eS	18 44 42.0	1.4				
		LZ		$M_s = 5.7$	20.0	2.90		



GTA	102.4	308	sP	18 34 25.0	-1.8			SNY	51.0	20	+P	19 35 40.0	-1.5				
			SKS	18 44 30.0	-0.7			WMQ	51.4	346	+iP	19 35 45.0	0.5				
			SME			22.0	1.34				pP	19 35 55.5	1.2				
			LZ		$M_s = 5.9$	26.0	4.60				S	19 43 02.0	2.9				
			+P	18 34 20.0	-0.8					ScS	19 45 33.0	5.1					
			SKS	18 44 52.0	0.3					LZ		$M_g = 4.9$	20.0	1.10			
			S	18 45 54.8	1.0				KSH	51.6	333	P	19 35 47.0	0.7			
LSA	104.7	296	sS	18 46 30.0	2.7					eS	19 43 06.0	2.4					
			LN		$M_s = 5.7$	20.0	1.45			LN		$M_g = 5.0$	16.0	0.70			
			LZ		$M_s = 5.8$	23.0	3.33			+iP	19 35 57.0	-2.3					
			eP	18 34 31.2	0.0					PMZ			3.0	0.70			
			PP	18 38 49.0	-3.6					pP	19 36 10.0	0.7					
WMQ	112.4	309	LN		$M_s = 5.8$	12.0	0.70			eS	19 43 24.0	-3.5					
			LE			11.0	0.70			LN		$M_g = 5.4$	15.0	1.80			
			Pdif	18 35 05.5	0.4					LZ		$M_g = 5.1$	20.0	1.90			
KSH	119.7	301	PKP	18 39 14.5	0.9			MDJ	55.6	23	+P	19 36 14.5	-1.0				
			PP	18 40 39.0	-1.2												
			LE		$M_s = 5.8$	14.0	1.00										
<p>OCT 10d 19h 26m <math>40.7 \pm 0.10s</math>, SD1.02 / 83                      5.84 S <math>\pm 1.67km</math>, 103.16 E <math>\pm 1.85km</math>, h36 <math>\pm 0.20km</math>                      South-west of Sumatera (273)  <math>M_s 5.4 / 16</math>, <math>m_b 5.6 / 2</math>, <math>m_b 5.7 / 10</math>,</p>																	
QZN	25.6	15	+P	19 32 10.4	2.0			LZH	1.7	66	Pn	00 39 30.0	-3.7				
KMI	30.8	359	+P	19 32 56.0	0.3						SMN		$M_L = 3.7$	0.5	0.98		
GYA	32.3	6	P	19 33 08.4	-0.5						SME			0.5	0.65		
			PcP	19 35 57.0	1.1					GTA	4.3	337	Pg	00 40 20.5	-0.5		
			S	19 38 12.0	-6.1								Sg	00 41 18.3	-1.6		
CD2	36.5	1	eP	19 33 44.6	-0.7						SMN		$M_L = 3.0$	1.0	0.020		
			S	19 33 12.0	-6.1							SME			1.0	0.030	
LSA	37.2	343	+P	19 33 51.7	0.7			CD2	4.8	161	ePg	00 40 32.0	3.5				
			S	19 39 34.0	0.4			XAN	5.9	102	Pg	00 40 45.5	-3.0				
			SME		$m_b = 5.5$	6.0	0.50				Sg	00 42 02.1	-6.8				
WHN	37.7	16	P	19 33 56.0	0.8						SMN		$M_L = 3.1$	1.0	0.020		
			PMZ		$m_b = 5.6$	1.2	0.12					SME			0.8	0.010	
			sP	19 34 08.5	-0.7												
XAN	40.0	7	eScP	19 39 56.0	1.1			<p>OCT 11d 01h 53m <math>18.8 \pm 0.10s</math>, SD1.06 / 27                      25.69 S <math>\pm 2.00km</math>, 179.63 E <math>\pm 1.40km</math>, h581 <math>\pm 0.48km</math>                      South of Fiji (171)</p>									
			LZ		$M_s = 5.2$	24.0	4.19	NJ2	81.6	311	+P	02 04 39.0	0.6				
			+iP	19 34 14.0	-0.5			WHN	83.8	308	eP	02 04 50.5	0.8				
NJ2	40.5	21	LN		$M_s = 5.5$	15.0	1.65	CN2	85.1	324	eP	02 04 55.2	-0.8				
			LE			17.0	2.88	BJI	88.1	317	eP	02 05 10.0	0.0				
			-P	19 34 20.0	1.4			TIY	89.2	313	+P	02 05 16.5	1.3				
SSE	40.6	24	+P	19 34 20.4	1.6			XAN	89.6	308	P	02 05 17.9	0.8				
			PMZ		$m_b = 5.8$	1.5	0.22	CD2	91.8	303	eP	02 05 29.1	1.9				
			sP	19 34 32.0	-0.9												
LZH	41.7	1	LE		$M_s = 5.0$	11.0	0.79	<p>OCT 11d 14h 08m <math>16.1 \pm 0.06s</math>, SD1.54 / 18                      36.44 N <math>\pm 1.04km</math>, 71.02 E <math>\pm 0.90km</math>, h230 <math>\pm 0.94km</math>                      Hindu Kush region (718)</p>									
			LZ		$M_s = 4.9$	20.0	1.85	KSH	4.9	51	P	14 09 32.7	1.2				
			+P	19 34 28.5	0.1					S	14 10 29.4	-0.2					
TIA	43.8	16	SMN								SMN			0.3	1.30		
			LZ		$M_s = 5.2$	14.0	1.46					SME			0.2	1.20	
			LZ		$M_s = 5.3$	20.0	3.90	WMQ	14.7	55	P	14 11 34.4	-0.7				
TIY	44.2	11	eP	19 34 45.0	-0.6						eS	14 14 18.5	5.7				
			+P	19 34 48.5	0.0					LSA	18.2	106	P	14 12 16.0	1.5		
			eS	19 41 20.5	1.4					GTA	22.9	74	P	14 13 02.8	1.8		
GTA	45.1	356	LN		$M_s = 5.6$	18.0	3.66	<p>OCT 11d 20h 33m <math>47.0 \pm 0.07s</math>, SD2.65 / 8                      42.22 N <math>\pm 0.91km</math>, 84.84 E <math>\pm 0.67km</math>, h10 <math>\pm 0.12km</math>                      Southern Xinjiang Province (321)  <math>M_L 3.3 / 7</math>,</p>									
			LE			16.0	1.03	WMQ	2.6	52	Pn	20 34 31.4	1.3				
			LZ		$M_s = 5.6$	18.0	7.52			Sg	20 35 05.7	-4.0					
BTO	46.6	7	+iP	19 34 56.3	0.2						SMN		$M_L = 3.3$	0.3	0.070		
			PMZ			3.0	0.63					SME			0.4	0.21	
			pP	19 35 07.0	1.2												
HHC	47.1	9	sP	19 35 11.5	1.6			<p>OCT 12d 03h 27m <math>00.5 \pm 0.10s</math>, SD1.65 / 81                      44.40 N <math>\pm 2.75km</math>, 148.46 E <math>\pm 1.52km</math>, h56 <math>\pm 1.33km</math></p>									
			eS	19 41 34.5	1.7												
			LZ		$M_s = 5.5$	18.0	5.74										
BJI	47.2	14	P	19 35 08.5	0.4												
			+P	19 35 12.3	0.6												
			+P	19 35 12.0	-0.3												
DL2	47.7	20	PcP	19 36 44.0	0.9												
			LZ		$M_s = 5.4$	16.0	3.80										
			eP	19 35 17.0	0.7												



Kurile Islands (221)				OCT 12d 10h 46m 05.6 ± 0.06s, SD1.35 / 62											
m <sub>b</sub> 5.6 / 4,				24.83 N ± 1.07km, 121.77 E ± 0.74km, h106 ± 0.96km											
				Taiwan (244)											
				m <sub>b</sub> 5.1 / 3,											
MDJ	13.5	278	+P	03 30	10.5	-0.4		QZH	2.9	273	-iP	10 46	50.6	-0.5	
CN2	16.5	276	+P	03 30	48.4	-1.9					S	10 47	22.8	-2.3	
SNY	18.3	271	+P	03 31	10.6	-1.9					SMN			0.8	1.13
BJI	24.2	271	eP	03 32	13.5	0.3					SME			0.8	0.89
			sP	03 32	31.0	-1.2		SSE	6.3	355	P	10 47	37.0	0.0	
			eS	03 36	24.0	-0.5					PMZ		m <sub>b</sub> =4.9	1.0	0.050
			LZ		M <sub>s</sub> =4.0	24.0	0.52				S	10 48	47.0	-0.6	
TIA	25.1	262	eP	03 32	22.4	0.2					SMN			1.5	0.30
SSE	25.2	247	eP	03 32	26.7	4.0					SME			1.2	0.26
			sP	03 32	44.0	2.3					LN			8.0	0.70
			eS	03 36	42.0	1.0					LE			10.0	1.71
			LZ		M <sub>s</sub> =4.0	20.0	0.46	NJ2	7.6	341	+P	10 47	55.0	-0.9	
NJ2	26.2	252	+P	03 32	32.6	0.8					S	10 49	17.0	-4.2	
			LZ		M <sub>s</sub> =4.2	14.0	0.50				SMN			1.2	0.50
HHC	27.2	276	+P	03 32	42.7	1.0		GZH	7.9	259	P	10 47	59.4	-0.1	
TIY	27.8	269	eP	03 32	48.0	1.0					SMN			1.0	0.24
			sP	03 33	05.5	-0.5					SME			1.0	0.13
			S	03 37	30.0	7.0		WHN	8.7	313	+iP	10 48	10.5	0.3	
			LZ		M <sub>s</sub> =4.0	18.0	0.36				sP	10 48	38.4	0.6	
BTO	28.4	276	P	03 32	52.5	0.0					S	10 49	43.0	-3.9	
			S	03 37	34.0	1.2					SME			1.5	0.27
			sS	03 38	00.0	3.4					LE			4.0	1.43
WHN	30.2	254	eP	03 33	07.5	-0.3		GYA	13.7	280	P	10 49	18.0	0.9	
XAN	32.1	265	P	03 33	24.8	0.2					LN			6.0	4.00
LZH	34.7	272	eP	03 33	47.5	0.0		XAN	14.5	312	P	10 49	25.7	-0.8	
			PMZ		m <sub>b</sub> =5.8	1.0	0.15				S	10 52	00.0	-4.0	
			sP	03 34	05.0	-1.7		TIY	15.1	330	eP	10 49	37.0	2.2	
GTA	36.1	279	-iP	03 33	59.6	0.0					LE			12.0	0.41
			PcP	03 36	24.0	0.3					LZ			11.0	0.50
			eS	03 39	34.0	-0.3		BJI	15.9	344	eP	10 49	46.0	1.6	
CD2	37.4	264	eP	03 34	09.6	-0.7					eS	10 52	42.0	4.9	
GYA	38.0	256	P	03 34	15.0	-0.3		KMI	17.3	275	+P	10 50	03.0	1.2	
			sP	03 34	33.8	-0.9		HHC	18.1	334	+P	10 50	13.5	1.6	
			PcP	03 36	29.4	-0.1		BTO	18.5	331	eP	10 50	17.0	0.2	
			S	03 40	00.8	-0.9					esP	10 50	49.0	0.4	
KMI	41.6	258	eP	03 34	44.0	-1.1					eS	10 53	37.0	-0.1	
WMQ	42.7	291	P	03 34	55.4	0.9		LZH	19.1	310	P	10 50	22.5	-0.1	
			eS	03 41	16.0	2.4					PMZ		m <sub>b</sub> =5.3	2.0	0.28
			LZ		M <sub>s</sub> =4.6	20.0	0.71				pP	10 50	40.0	-0.3	
LSA	47.1	272	P	03 35	30.4	0.6		CN2	19.2	8	eP	10 50	23.5	0.0	
KSH	52.5	292	P	03 36	11.0	0.0		GTA	23.5	313	P	10 51	07.0	-0.2	
				OCT 12d 08h 20m 12.4 ± 0.08s, SD1.83 / 39											
				39.36 N ± 2.35km, 142.59 E ± 1.78km, h56 ± 1.25km											
				Near east coast of Honshu (228)											
				M <sub>s</sub> 4.4 / 3,											
MDJ	11.0	303	eP	08 22	50.0	0.1		WMQ	33.6	313	eP	10 52	37.5	-0.8	
SSE	19.3	251	eP	08 24	32.0	-3.7						OCT 12d 18h 04m 38.5 ± 0.13s, SD1.19 / 53			
			LN		M <sub>s</sub> =4.2	14.0	0.46					54.00 N ± 2.49km, 160.84 E ± 2.35km, h29 ± 0.26km			
BJI	20.3	280	eP	08 24	43.0	-3.6						Near east coast of Kamchatka (218)			
			LZ		M <sub>s</sub> =4.3	16.0	0.88					M <sub>s</sub> 4.5 / 2, m <sub>b</sub> 5.2 / 2,			
TIA	20.4	269	eP	08 24	45.2	-1.8		MDJ	22.3	258	eP	18 09	34.0	-1.1	
NJ2	20.6	257	eP	08 24	47.0	-2.3		CN2	25.2	261	-P	18 10	02.5	-0.7	
			S	08 28	26.0	-4.2		SNY	27.4	259	P	18 10	24.5	0.1	
TIY	23.6	276	eP	08 25	21.5	2.1					LE		M <sub>s</sub> =4.4	20.0	0.70
			LE		M <sub>s</sub> =4.6	15.0	0.98				LZ		M <sub>s</sub> =4.3	20.0	0.80
			LZ		M <sub>s</sub> =4.5	16.0	1.19	BJI	32.9	263	eP	18 11	12.5	-0.4	
WHN	24.7	258	eP	08 25	29.5	-0.3		TIA	34.9	257	eP	18 11	29.9	-0.5	
XAN	27.4	269	P	08 25	56.9	1.6		HHC	35.1	269	eP	18 11	32.5	0.5	
LZH	30.7	276	eP	08 26	23.0	-1.4		BTO	36.2	269	eP	18 11	37.0	-4.1	
			LZ		M <sub>s</sub> =4.2	14.0	0.40	TIY	36.6	264	eP	18 11	46.0	1.1	
GYA	32.6	258	P	08 26	40.8	-0.3					LZ		M <sub>s</sub> =4.4	20.0	0.62
GTA	32.8	284	eP	08 26	43.5	0.1		NJ2	37.0	251	+P	18 11	47.2	-0.4	
			LZ		M <sub>s</sub> =4.7	20.0	1.45	WHN	40.6	254	eP	18 12	18.5	0.3	
KMI	36.3	259	+P	08 27	12.5	-0.4		LZH	42.8	269	eP	18 12	37.0	0.9	
WMQ	40.7	295	eP	08 27	50.0	0.6									



		PMZ		$m_b = 5.2$	1.0	0.040			LN	$M_s = 6.1$	14.0	16.9				
		LZ		$M_s = 4.4$	20.0	0.50			LZ	$M_s = 5.8$	15.0	14.4				
GTA	43.0	276	eP	18 12 37.2	-0.2			SNY	33.8	255	+iP	00 38 54.0	0.6			
											PMZ	$m_b = 6.2$	4.0	1.50		
											pP	00 39 04.5	1.9			
CD2	46.5	264	eP	18 13 05.2	-0.5						PP	00 40 10.0	3.5			
WMQ	47.1	289	P	18 13 10.8	0.4						S	00 44 15.5	1.9			
											SMN	$m_b = 6.1$	9.0	1.86		
											SME		7.0	2.06		
GYA	48.1	257	P	18 13 18.4	-0.2						LN	$M_s = 6.2$	15.0	14.0		
QZN	52.2	249	P	18 13 50.8	1.4						LE		10.0	10.2		
LSA	54.8	273	P	18 14 10.0	0.6				DL2	37.0	254	-P	00 39 23.0	2.2		
												eS	00 45 10.0	5.7		
OCT 12d 23h 11m $31.2 \pm 0.09s$ , SD3.88 / 7																
39.67 N $\pm 1.35km$ , 74.29 E $\pm 0.41km$ , h18 $\pm 1.27km$																
Tadzhikistan-Xinjiang border region (719)																
$M_L 3.9 / 4$ ,																
KSH	1.3	99	-Pg	23 11 54.0	-1.0				BJI	38.7	261	eP	00 39 35.5	1.2		
			Sg	23 12 13.0	-0.1							PMZ	$m_b = 5.9$	4.0	0.82	
			SMN	$M_L = 4.0$		0.5	2.20					esP	00 39 49.0	1.4		
			SME			0.5	2.20					ePP	00 41 08.0	1.2		
OCT 12d 23h 49m $40.4 \pm 0.15s$ , SD2.77 / 23													eS	00 45 31.0	2.2	
36.33 N $\pm 1.55km$ , 103.26 E $\pm 1.35km$ , h11 $\pm 0.18km$													eScS	00 49 44.0	4.6	
Qinghai Province (325)													LN	$M_s = 6.2$	12.0	8.70
$M_s 3.3 / 1$ , $M_L 4.0 / 16$ ,													LE		12.0	11.9
LZH	0.5	117	Pg	23 49 48.5	-1.7							LZ	$M_s = 5.7$	12.0	6.90	
			Sg	23 49 55.0	-2.3				HHC	40.2	266	eP	00 39 47.4	0.2		
			SMN	$M_L = 4.0$		0.5	5.60					pP	00 39 57.0	0.7		
			SME			0.5	8.07					S	00 45 54.0	3.1		
GTA	4.1	319	Pn	23 50 44.0	0.3							SMN	$m_b = 5.7$	10.0	1.03	
			Sn	23 51 32.1	-1.6							SME		9.0	0.69	
			SMN			3.0	0.34		BTO	41.1	267	LN	$M_s = 6.4$	11.0	11.0	
			SME			3.0	0.37					LE		11.0	17.9	
			LE	$M_s = 3.3$		7.0	0.47					eP	00 39 55.0	0.1		
XAN	5.2	115	Pn	23 50 56.7	-1.5							sP	00 40 08.0	-0.1		
			Pg	23 51 12.9	1.3							PP	00 41 34.0	1.1		
			Sn	23 51 54.5	-5.4							S	00 46 05.0	0.3		
			Sg	23 52 19.9	-2.4							SS	00 49 04.0	0.0		
			SMN	$M_L = 4.0$		1.0	0.19		TIA	41.3	256	eP	00 39 58.5	2.2		
			SME			1.0	0.15					S	00 46 14.0	6.4		
BTO	6.8	49	Pg	23 51 43.3	2.6							SMN		14.0	1.40	
			Sg	23 53 13.9	0.4							SME		14.0	0.80	
			SMN	$M_L = 4.7$		0.8	0.36					LN	$M_s = 6.1$	18.0	13.2	
			SME			0.8	0.44					LE		18.0	7.00	
TIY	7.5	77	ePg	23 51 54.0	1.5				TIY	42.3	262	LZ	$M_s = 5.6$	18.0	7.88	
			SMN	$M_L = 4.1$		1.0	0.080					eP	00 40 04.5	0.2		
			SME			0.8	0.050					PMZ	$m_b = 6.1$	4.0	1.13	
HHC	7.9	53	ePn	23 51 38.4	2.4							LE	$M_s = 6.1$	12.0	9.66	
			Pg	23 52 04.4	4.3							LZ	$M_s = 6.0$	12.0	11.2	
			Sg	23 53 43.6	-4.7				SSE	43.8	248	eP	00 40 18.0	1.6		
			SMN	$M_L = 4.1$		0.5	0.060					S	00 46 48.0	4.4		
			SME			0.5	0.060					SMN	$m_b = 5.8$	10.0	1.46	
WHN	10.9	119	eP	23 52 22.8	3.0							SME		10.0	0.78	
												LN	$M_s = 5.8$	12.0	4.33	
												LE		12.0	2.31	
OCT 13d 00h 32m $11.7 \pm 0.09s$ , SD1.14 / 86																
61.90 N $\pm 2.41km$ , 169.62 E $\pm 1.28km$ , h33 $\pm 0.13km$																
Eastern Siberia (671)																
$M_s 6.2 / 37$ , $m_b 6.1 / 14$ , $m_b 6.0 / 3$ ,																
MDJ	28.9	252	eP	00 38 10.0	-0.2				NJ2	44.0	251	+P	00 40 18.0	-0.2		
			pP	00 38 20.0	0.8							LN	$M_s = 6.5$	17.0	15.2	
			eS	00 42 58.0	0.7							LE		13.0	24.0	
			sS	00 43 14.0	1.6											
			LZ	$M_s = 5.9$		15.0	20.2		GTA	46.9	275	+P	00 40 41.6	0.3		
CN2	31.4	255	+iP	00 38 31.5	-1.0							PMZ	$m_b = 6.2$	3.5	1.16	
			PMZ			3.0	1.20					PP	00 42 32.0	1.3		
			pP	00 38 41.0	-0.5							eS	00 47 28.5	-1.0		
			PP	00 39 35.0	-1.1							LN	$M_s = 6.4$	12.0	11.9	
			eS	00 43 35.0	-2.0							LE		12.0	11.2	
									XAN	46.9	263	P	00 40 40.9	-0.6		
												S	00 47 32.0	3.4		
												LN	$M_s = 6.4$	12.0	12.0	
												LE		12.0	10.9	
									WHN	47.3	255	P	00 40 44.5	0.0		
												PMZ	$m_b = 6.2$	4.0	1.26	



					4.09 N ± 1.07km, 126.38 E ± 2.44km, h155 ± 0.28km Talaud Islands (263) m <sub>b</sub> 5.2 / 1,															
LZH	47.6	269	PcP	00 42 15.0	0.0	WHN	28.7	338	eP	13 13 57.5	-3.9	1.0	0.060							
			S	00 47 36.0	1.8									XAN	33.9	333	-iP	13 14 46.2	-1.4	
			LE	M <sub>s</sub> = 5.7	14.0									3.90	TIY	35.8	341	eP	13 15 02.8	-0.7
			LZ	M <sub>s</sub> = 5.9	16.0									10.2	BJI	37.0	347	eP	13 15 13.0	0.0
			eP	00 40 47.0	-0.3									SNY	37.7	357	eP	13 15 19.5	0.7	
			PMZ	m <sub>b</sub> = 6.2	2.5									0.79	LZH	38.0	330	eP	13 15 21.5	-0.6
			pP	00 40 58.0	1.5													PMZ	m <sub>b</sub> = 5.2	
			PP	00 42 42.0	4.6													HHC	38.9	342
WMQ	49.0	288	PP	00 42 56.0	5.1	BTO	39.2	340	eP	13 15 32.8	0.8									
			LE	M <sub>s</sub> = 6.1	9.0	6.20	CN2	39.6	359	eP	13 15 37.0	2.4								
			LZ	M <sub>s</sub> = 5.9	14.0	9.21	WMQ	52.2	325	P	13 17 15.0	0.4								
			P	00 40 58.6	0.6															
QZH	50.2	247	eP	00 41 06.0	-1.2	OCT 13d 13h 59m 58.2 ± 0.05s, SD0.92 / 51 37.00 N ± 1.30km, 116.07 W ± 1.01km, h4 ± 0.55km California-Nevada border region (40) m <sub>b</sub> 5.7 / 2,														
			S	00 48 15.0	-0.2	MDJ	79.4	319	eP	14 12 07.0	-0.9									
			LE	M <sub>s</sub> = 5.9	14.0	5.20	CN2	82.1	320	-P	14 12 21.4	-1.0								
CD2	51.9	265	eP	00 41 19.6	-0.5	SNY	84.5	320	-iP	14 12 35.4	0.9									
			S	00 48 36.5	-2.1	DL2	87.6	319	eP	14 12 49.6	-0.4									
GYA	54.3	259	LE	M <sub>s</sub> = 6.5	13.0	20.4	BJI	89.6	323	eP	14 12 59.0	-0.1								
			P	00 41 37.2	-0.7	HHC	91.1	326	P	14 13 06.7	0.4									
			pP	00 41 47.0	-0.3	BTO	92.0	327	eP	14 13 10.0	-0.4									
			sP	00 41 52.4	1.2	TIA	92.0	320	eP	14 13 10.6	0.1									
			S	00 49 16.0	4.9	TIY	93.2	323	eP	14 13 16.2	0.2									
			LN	M <sub>s</sub> = 6.1	14.0	5.00	SSE	93.6	314	P	14 13 19.5	1.6								
KMI	57.3	262	LE		14.0	6.00	WMQ	96.7	343	P	14 13 31.8	-0.3	1.0	0.030						
			LZ	M <sub>s</sub> = 5.7	14.0	5.30	GTA	97.1	333	eP	14 13 33.2	-0.7								
			-P	00 41 58.5	-1.0	WHN	97.9	318	eP	14 13 37.0	-0.2									
			PMZ	m <sub>b</sub> = 6.2	4.0	1.30	OCT 13d 19h 01m 39.1 ± 0.06s, SD0.98 / 19 22.64 S ± 1.37km, 171.39 E ± 1.28km, h34 ± 0.21km Loyalty Islands region (189)													
KSH	57.7	294	PP	00 44 14.0	2.9					WHN	76.1	312	eP	19 13 25.5	-0.3					
			S	00 49 58.0	1.9	TIA	77.8	318	eP	19 13 34.8	-0.6									
			LE	M <sub>s</sub> = 6.4	11.0	11.3	CN2	78.4	328	P	19 13 38.0	-0.6								
LSA	58.9	275	+P	00 42 11.6	0.6	BJI	80.8	320	eP	19 13 51.0	-0.8									
			LN	M <sub>s</sub> = 6.2	11.0	4.20	OCT 14d 03h 15m 26.2 ± 0.11s, SD1.60 / 11 40.25 N ± 1.05km, 104.70 E ± 0.70km, h5 ± km Northern China (323) M <sub>L</sub> 3.5 / 10,													
QZN	59.3	252	LE		11.0	3.80	GTA	3.9	259	Pn	03 16 28.8	2.2								
			eP	00 42 11.5	-1.6							Pg	03 16 39.0	4.8						
			S	00 50 22.0	5.4							Sn	03 17 16.5	2.3						
CD2	3.6	117	LN	M <sub>s</sub> = 6.1	12.0	3.50	SMN			M <sub>L</sub> = 3.3	0.8	0.080								
			LE		15.0	5.00	SME				0.8	0.050								
			Pg	04 17 20.5	-0.2	BTO	4.1	83	Pg	03 16 37.9	-0.5									
			Sg	04 18 09.9	-0.1							Sg	03 17 28.0	-5.9						
WMQ	2.5	137	SMN	M <sub>L</sub> = 3.5	1.2	0.14	SMN			M <sub>L</sub> = 4.2	0.8	0.57								
			SME		1.0	0.14	SME				0.8	0.32								
			ePn	12 56 08.4	3.5	LZH	4.2	189	Pg	03 16 41.5	0.7									
			Sg	12 56 43.8	2.0							Sg	03 17 39.5	1.4						
			SMN	M <sub>L</sub> = 3.5	0.6	0.24	HHC	5.3	81	Pg	03 17 00.8	1.4								
			SME		0.6	0.36							SMN	M <sub>L</sub> = 3.8	0.5	0.13				
TIY	21.6	102	eP	13 00 16.4	-0.5	TIY	6.5	110	+Pg	03 17 21.5	-0.3									
			LE	M <sub>s</sub> = 4.3	12.0	0.41						SMN	M <sub>L</sub> = 3.6	0.6	0.040					
BJI	23.2	93	LZ	M <sub>s</sub> = 4.1	13.0	0.48	SME				0.6	0.020								
			eP	13 00 35.5	3.4															
OCT 13d 04h 16m 16.8 ± 0.07s, SD1.49 / 8 32.59 N ± 0.53km, 100.00 E ± 0.60km, h8 ± 0.03km Sichuan Province (307) M <sub>L</sub> 3.8 / 2,					OCT 14d 03h 26m 17.3 ± 0.07s, SD1.22 / 16 7.12 S ± 0.87km, 129.27 E ± 1.64km, h123 ± 0.25km															



Banda Sea (280)					
WHN	40.1	340	eP	03 33 44.0	1.4
BJI	48.5	347	eP	03 34 48.0	-1.6
GTA	53.7	332	P	03 35 30.0	0.4
OCT 14d 16h 12m 21.8 ± 0.14s, SD1.20 / 41 40.14 N ± 2.67km, 19.68 E ± 2.04km, h49 ± 0.65km Greece-Albania border region (392)					
WMQ	49.4	62	P	16 21 08.5	-0.8
GTA	59.5	62	+P	16 22 22.5	-0.5
LZH	63.9	64	eP	16 22 53.0	0.2
BTO	65.6	57	eP	16 23 01.6	-2.2
HHC	66.5	56	eP	16 23 10.0	0.8
BJI	69.8	54	eP	16 23 30.0	0.1
CN2	73.0	47	+iP	16 23 50.0	0.9
WHN	74.3	63	eP	16 23 51.5	-5.0
NJ2	76.4	60	-P	16 24 09.0	0.5
OCT 14d 19h 11m 39.9 ± 0.18s, SD1.21 / 35 23.08 S ± 1.71km, 68.47 W ± 2.60km, h85 ± 1.45km Northern Chile (123)					
KSH	145.8	53	PKP	19 31 10.5	0.7
WMQ	151.5	38	PKP	19 31 18.5	-0.4
GTA	160.9	29	PKP	19 31 30.8	-0.2
BJI	162.6	348	ePKP	19 31 32.5	0.0
LZH	165.4	25	ePKP	19 31 36.5	1.0
SSE	168.3	315	PKP	19 31 38.5	1.3
XAN	168.8	11	PKP	19 31 38.2	0.5
GYA	174.4	52	-PKP	19 31 41.0	-1.2
OCT 15d 08h 26m 22.4 ± 0.28s, SD3.14 / 23 38.31 N ± 2.19km, 126.34 E ± 2.79km, h11 ± km South Korea (231) M <sub>L</sub> 4.0 / 14,					
DL2	3.7	281	Pn	08 27 26.2	5.7
			Pg	08 27 32.0	3.6
			Sg	08 28 15.0	-4.6
			SMN	M <sub>L</sub> =4.2	1.0 0.85
			SME		1.0 0.34
SNY	4.1	330	ePn	08 27 26.2	0.7
			Pg	08 27 38.0	3.1
			Sg	08 28 30.2	-0.8
			SMN	M <sub>L</sub> =4.1	0.6 0.34
			SME		0.6 0.45
CN2	5.5	353	ePn	08 27 45.3	0.2
			Pg	08 28 03.8	3.8
			Sg	08 29 12.8	-2.7
			SMN	M <sub>L</sub> =4.1	0.6 0.14
			SME		0.6 0.18
MDJ	6.8	20	Pn	08 28 06.3	4.3
			Pg	08 28 28.0	6.3
			Sg	08 29 54.7	0.7
			SME	M <sub>L</sub> =4.3	1.0 0.14
TIA	7.6	257	ePn	08 28 15.6	1.4
			Sg	08 30 22.3	0.5
			SMN	M <sub>L</sub> =3.7	1.2 0.030
			SME		1.2 0.020
			SMZ	M <sub>L</sub> =4.1	1.2 0.040
BJI	8.1	285	eP	08 28 20.5	-2.3
SSE	8.4	212	eP	08 28 25.5	-1.1
			eS	08 30 00.0	-1.8
			SME	M <sub>L</sub> =3.4	1.0 0.010
GYA	20.3	240	P	08 31 03.4	1.3
OCT 15d 16h 39m 01.8 ± 0.30s, SD2.65 / 14 12.65 N ± 2.88km, 124.00 E ± 4.08km, h49 ± km Luzon (249)					
WHN	19.9	335	eP	16 43 30.0	-2.5

BJI	28.1	347	eP	16 44 54.5	2.6
OCT 15d 18h 03m 53.4 ± 0.08s, SD1.19 / 56 5.92 S ± 0.96km, 130.53 E ± 2.16km, h74 ± 0.27km Banda Sea (280) m <sub>b</sub> 5.2 / 4,					
SSE	37.9	347	eP	18 11 06.0	0.8
			PMZ	m <sub>b</sub> =4.6	1.0 0.010
NJ2	39.4	344	+P	18 11 19.0	1.4
WHN	39.4	338	-P	18 11 19.5	1.3
			PMZ	m <sub>b</sub> =5.4	0.7 0.040
GYA	39.6	325	P	18 11 20.6	0.5
XAN	44.7	334	P	18 12 00.9	-0.4
BJI	47.6	345	eP	18 12 24.0	-0.2
SNY	47.9	353	eP	18 12 26.4	-0.4
LZH	48.7	331	eP	18 12 34.0	1.0
			PMZ	m <sub>b</sub> =5.2	2.0 0.060
CN2	49.7	355	-P	18 12 39.5	-0.9
LSA	51.8	315	eP	18 12 57.2	0.4
GTA	53.3	330	eP	18 13 07.5	-0.2
WMQ	62.8	326	P	18 14 14.0	-0.1
OCT 15d 20h 44m 15.0 ± 0.08s, SD1.36 / 29 30.66 N ± 1.70km, 138.80 E ± 2.09km, h394 ± 0.75km South of Honshu (211)					
SNY	16.6	316	+P	20 47 46.6	0.5
			pP	20 47 50.2	4.5
BJI	20.6	303	eP	20 48 26.5	-0.1
TIY	22.9	295	P	20 48 47.5	-0.1
XAN	25.4	286	P	20 49 10.3	-0.5
GTA	32.9	296	-P	20 50 15.5	-0.5
WMQ	42.1	303	P	20 51 32.5	0.2
OCT 16d 04h 37m 39.1 ± 0.07s, SD1.91 / 22 39.74 N ± 1.07km, 72.03 E ± 1.03km, h33 ± 0.20km Tadzhikistan (715) M <sub>S</sub> 4.1 / 3, M <sub>L</sub> 4.3 / 2,					
KSH	3.1	94	Pn	04 38 28.5	2.7
			Sn	04 39 08.0	5.4
			LN	M <sub>S</sub> =4.7	6.0 16.2
WMQ	12.4	66	eP	04 40 34.3	-1.9
			S	04 42 53.0	-0.6
			LZ	M <sub>S</sub> =4.5	4.0 0.75
GTA	21.4	82	-P	04 42 25.7	-0.7
			LE	M <sub>S</sub> =4.1	9.0 0.24
OCT 16d 06h 15m 29.1 ± 0.13s, SD2.02 / 33 37.66 N ± 4.27km, 25.45 W ± 2.48km, h9 ± 0.35km Azores (405) M <sub>S</sub> 5.5 / 7,					
KSH	74.7	52	eP	06 27 14.6	2.6
			LE	M <sub>S</sub> =5.7	11.0 1.40
WMQ	78.8	43	P	06 27 34.5	-0.4
			eS	06 37 38.0	5.8
			SKS	06 37 45.0	1.0
			LZ	M <sub>S</sub> =5.6	13.0 1.88
GTA	88.3	39	+P	06 28 24.7	1.4
			SKS	06 38 48.0	-0.6
			LE	M <sub>S</sub> =5.3	11.0 0.42
			LZ	M <sub>S</sub> =5.2	18.0 0.79
BTO	92.1	32	eP	06 28 41.8	0.8
			eSKS	06 39 15.0	3.9
			eS	06 39 44.0	2.6
			LN	M <sub>S</sub> =5.5	13.0 0.50
			LE		13.0 0.40
BJI	95.0	29	eP	06 28 56.5	2.1
TIY	95.5	32	eP	06 28 58.3	1.6
			LN	M <sub>S</sub> =5.8	17.0 0.93





Table with 5 main columns: Station, Magnitude, Time, Phase, and Amplitude. Contains data for two earthquakes: one in the Marianas region (M=4.7) and one in the Taiwan region (M=6.2).



			PP	12 14 36.0	1.3				21.75 N ± 1.69km, 121.66 E ± 1.76km, h27 ± 0.43km									
			S	12 18 03.0	3.6				Taiwan region									
			sS	12 18 16.0	2.5				(243)									
			SS	12 18 38.0	5.1				M <sub>S</sub> 4.8 / 6, M <sub>L</sub> 4.8 / 9, m <sub>b</sub> 5.2 / 3,									
			LN			M <sub>S</sub> = 6.4	14.0	48.6	QZH 4.3 319 ePn 12 38 01.1 -0.2									
			LE				14.0	54.5	Sn 12 38 51.5 -0.3									
CN2	22.0	7	+P	12 14 20.0	-1.2				SMN M <sub>L</sub> = 4.7 1.0 1.26									
			PMZ			m <sub>B</sub> = 6.0	5.0	3.80	SME 1.0 1.40									
			pP	12 14 28.0	-1.8				LN M <sub>B</sub> = 4.2 10.0 4.15									
			eS	12 18 21.0	3.2				GZH 7.8 281 eP 12 38 51.1 -1.5									
			SMN			m <sub>B</sub> = 6.2	10.0	8.40	S 12 40 23.7 2.9									
			LN			M <sub>S</sub> = 6.2	14.0	39.0	LZ M <sub>B</sub> = 4.8 13.0 7.63									
			LZ			M <sub>S</sub> = 6.1	18.0	63.7	SSE 9.3 357 eP 12 39 10.5 -3.0									
MDJ	23.6	14	+P	12 14 35.8	-0.3				PMZ m <sub>B</sub> = 4.6 1.0 0.020									
			pP	12 14 41.0	-3.7				SMN 1.0 0.090									
			PP	12 15 07.0	-1.1				SME 1.0 0.11									
			LZ			M <sub>S</sub> = 5.7	15.0	18.0	LN M <sub>S</sub> = 4.7 12.0 4.33									
GTA	25.6	318	P	12 14 55.0	-0.5				LE 12.0 1.46									
			PMZ			m <sub>B</sub> = 5.5	4.0	0.49	NJ2 10.6 347 +P 12 39 28.5 -2.2									
			S	12 19 19.0	0.9				WHN 10.9 325 eP 12 39 35.0 -0.9									
			LE			M <sub>S</sub> = 6.2	13.0	28.3	eS 12 41 35.0 -3.6									
			LZ			M <sub>S</sub> = 5.8	20.0	28.6	SMN 1.0 0.19									
WMQ	35.6	316	P	12 16 24.0	-0.4				LN M <sub>S</sub> = 5.0 10.0 6.40									
			LE			M <sub>S</sub> = 6.3	12.0	20.9	QZN 11.4 258 eP 12 39 44.8 2.6									
			LZ			M <sub>S</sub> = 5.9	20.0	22.2	S 12 41 48.0 -1.5									
KSH	42.6	305	P	12 17 24.0	1.6				GYA 14.5 292 P 12 40 22.6 -0.6									
			PP	12 19 08.0	4.3				S 12 42 59.0 -4.2									
			S	12 23 45.0	3.3				TIA 14.9 346 eP 12 40 30.6 1.4									
			LN			M <sub>S</sub> = 6.4	12.0	17.5	DL2 17.1 360 eP 12 41 00.0 3.2									
<p>OCT 16d 12h 14m 20.2 ± 0.08s, SD1.79 / 41                  21.83 N ± 1.37km, 121.72 E ± 1.63km, h33 ± 1.15km                  Taiwan region (243)                  M<sub>S</sub>5.8 / 4, M<sub>L</sub>5.1 / 4, m<sub>b</sub>5.7 / 2,</p>																		
QZH	4.2	318	ePn	12 15 23.7	1.0				TIY 17.8 335 -P 12 41 07.8 2.2									
			Sn	12 16 14.3	1.8				CD2 18.4 303 eP 12 41 14.2 0.7									
			SMN			M <sub>L</sub> = 5.0	1.0	2.61	BJI 18.8 347 eP 12 41 19.0 0.8									
			SME				1.0	2.52	SNY 20.1 4 eP 12 41 31.7 -0.6									
			LN			M <sub>S</sub> = 5.2	10.0	49.3	HHC 20.9 338 eP 12 41 40.5 -0.2									
DL2	17.0	360	eP	12 18 19.0	1.5				LZH 21.1 316 eP 12 41 45.0 1.9									
TIY	17.7	335	eP	12 18 29.8	3.2				PMZ m <sub>B</sub> = 5.5 2.0 0.41									
BJI	18.8	347	eP	12 18 39.0	0.0				BTO 21.2 335 P 12 41 46.2 1.9									
LZH	21.1	316	P	12 19 05.5	1.1				CN2 22.2 7 eP 12 41 53.6 -0.4									
			PMZ			m <sub>B</sub> = 5.8	2.0	0.88	MDJ 23.7 14 eP 12 42 09.8 0.9									
CN2	22.1	7	eP	12 19 16.0	1.2				GTA 25.7 318 P 12 42 27.7 0.2									
MDJ	23.6	14	eP	12 19 30.5	0.9				<p>OCT 16d 16h 23m 28.8 ± 0.10s, SD1.30 / 57                  5.86 N ± 1.77km, 125.39 E ± 2.16km, h89 ± 0.28km                  Mindanao (259)</p>									
GTA	25.6	318	P	12 19 50.0	1.1				QZN 20.0 312 -P 16 27 57.8 0.6									
			LE			M <sub>S</sub> = 6.1	11.0	19.0	eS 16 31 31.0 -1.6									
WMQ	35.7	316	P	12 21 18.0	0.3				QZH 20.1 342 P 16 27 58.3 0.7									
KSH	42.6	305	P	12 22 20.0	4.5				GZH 20.7 327 +P 16 28 04.5 0.4									
<p>OCT 16d 12h 34m 05.9 ± 0.08s, SD1.75 / 45                  37.97 N ± 2.13km, 20.98 E ± 1.76km, h38 ± 0.79km                  Ionian Sea (399)                  M<sub>S</sub>5.7 / 2,</p>																		
KSH	42.4	70	P	12 42 00.5	1.5				SSE 25.4 352 eP 16 28 52.0 2.0									
			S	12 48 18.0	1.5				eS 16 33 12.0 3.9									
WMQ	49.5	61	P	12 42 55.8	0.0				WHN 26.7 338 eP 16 29 02.0 0.4									
			S	12 50 04.0	5.1				GYA 27.2 321 P 16 29 07.4 0.9									
			sS	12 50 13.5	-3.7				KMI 28.9 314 eP 16 29 23.5 1.0									
			LZ			M <sub>S</sub> = 5.8	16.0	7.51	XAN 31.9 334 +iP 16 29 47.3 -1.3									
GTA	59.6	62	P	12 44 10.0	0.7				CD2 32.2 323 eP 16 29 51.0 0.5									
KMI	68.8	74	eP	12 45 10.0	0.6				TIY 33.8 341 eP 16 30 04.2 -0.9									
BJI	70.3	54	eP	12 45 19.0	0.9				BJI 35.0 348 eP 16 30 14.0 -1.2									
CN2	73.8	47	eP	12 45 37.8	-1.1				SNY 35.9 358 eP 16 30 21.8 -0.4									
SNY	73.9	49	eP	12 45 36.9	-2.5				LZH 36.0 330 eP 16 30 24.0 0.3									
<p>OCT 16d 12h 36m 57.7 ± 0.13s, SD1.94 / 72</p>																		
									GTA 40.6 329 P 16 31 01.7 -0.2									
									WMQ 50.2 325 P 16 32 18.0 -0.5									
<p>OCT 17d 04h 13m 47.5 ± 0.00s, SD1.08 / 6                  41.00 N ± 0.02km, 113.31 E ± 0.02km, h11 ± 0.01km                  North-Eastern China (658)                  M<sub>L</sub>3.1 / 6,</p>																		
BJI	2.4	113	Pg	04 14 29.5	-0.1													
			Sg	04 15 00.0	-2.2													





SMN				$M_L = 3.1$		0.5 0.12							
SME						0.5 0.090		NJ2 35.2 253					
OCT 17d 05h 07m 22.0 ± 0.08s, SD1.98 / 39													
21.89 N ± 1.54km, 121.67 E ± 1.81km, h21 ± 1.26km													
Taiwan region (243)													
$M_L 3.7 / 8, m_b 4.8 / 1,$													
QZH	4.2	318	ePn	05 08 24.0	-0.7			LZ	$M_S = 4.8$				
			Sn	05 09 09.0	-5.6			-P	06 03 47.5	0.8			
			SMN			$M_L = 3.6$	0.9 0.14	pP	06 03 58.0	1.6			
			SME				0.9 0.090	S	06 09 20.0	3.7			
GZH	7.8	280	eP	05 09 18.0	0.8			LN	$M_S = 5.7$	15.0	6.05		
			eS	05 10 39.0	-6.6			LZ	$M_S = 5.6$	15.0	8.85		
SSE	9.2	357	eP	05 09 35.0	-1.5			P	06 03 46.0	-0.9			
			LZ			$M_S = 3.4$	20.0 0.46	pP	06 03 56.0	-0.5			
WHN	10.8	324	eP	05 09 57.5	-1.8			PP	06 05 05.0	-1.0			
QZN	11.4	258	eP	05 10 09.6	2.0			S	06 09 16.0	-0.4			
TIY	17.7	335	eP	05 11 29.3	0.3			sS	06 09 31.0	-2.5			
CD2	18.4	303	eP	05 11 38.2	0.6			LN	$M_S = 6.0$	15.0	12.5		
BJI	18.7	347	eP	05 11 46.5	5.0			LE		15.0	6.10		
LZH	21.0	316	eP	05 12 08.0	0.9			LZ	$M_S = 5.9$	14.0	15.8		
			PMZ			$m_b = 4.8$	2.0 0.080	eP	06 03 47.9	-0.6			
BTO	21.1	335	eP	05 12 08.5	0.4			sP	06 04 02.5	0.2			
GTA	25.6	318	eP	05 12 51.0	-0.7			eS	06 09 16.0	-4.5			
WMQ	35.6	316	P	05 14 20.0	-0.6			sS	06 09 39.0	2.5			
								LE	$M_S = 5.7$	14.0	5.50		
								LZ	$M_S = 5.5$	16.0	7.37		
								P	06 04 18.0	-0.4			
								PMZ	$m_B = 5.8$	4.0	0.63		
								pP	06 04 30.0	1.7			
								eS	06 10 18.0	3.0			
								LE	$M_S = 5.6$	14.0	4.20		
								LZ	$M_S = 5.5$	14.0	4.80		
								-P	06 04 26.5	0.0			
								LN	$M_S = 5.8$	12.0	4.79		
								eP	06 04 31.0	-1.3			
								sP	06 04 45.0	-1.3			
								eS	06 10 38.0	-1.9			
								LN	$M_S = 5.3$	15.0	2.08		
								LZ	$M_S = 5.0$	15.0	1.66		
								P	06 04 42.0	0.1			
								PMZ	$m_b = 5.8$	2.0	0.30		
								LN	$M_S = 5.8$	14.0	5.17		
								LE		15.0	3.86		
								LZ	$M_S = 5.7$	14.0	7.81		
								+iP	06 04 45.6	-0.2			
								PMZ	$m_B = 5.7$	4.0	0.45		
								LN	$M_S = 6.0$	15.0	9.20		
								LZ	$M_S = 5.8$	14.0	9.45		
								eP	06 05 09.5	0.9			
								eS	06 11 45.0	-0.2			
								LE	$M_S = 5.6$	15.0	3.16		
								LZ	$M_S = 5.3$	18.0	3.54		
								eP	06 05 09.6	-0.3			
								sP	06 05 24.0	0.1			
								eS	06 11 43.0	-4.5			
								LE	$M_S = 5.8$	13.0	4.16		
								LZ	$M_S = 5.4$	15.0	3.10		
								+P	06 05 21.0	0.4			
								pP	06 05 32.0	1.7			
								sP	06 05 36.0	1.6			
								S	06 12 12.0	6.5			
								LN	$M_S = 5.5$	17.0	2.10		
								LE		17.0	1.70		
								LZ	$M_S = 5.3$	18.0	3.30		
								+iP	06 05 24.0	0.1			
								LN	$M_S = 6.1$	13.0	4.96		
								LE		14.0	7.23		
								LZ	$M_S = 6.1$	16.0	16.9		
								+iP	06 05 47.5	0.5			
								eS	06 13 00.0	5.4			
								LN	$M_S = 5.8$	17.0	4.70		
								LE		16.0	2.10		
								LZ	$M_S = 5.2$	20.0	2.50		
								P	06 05 51.6	2.4			



	pP	06 06 04.0	5.0		
	eS	06 12 59.5	1.0		
	LN	$M_s = 5.6$	19.0	2.50	
	LE		20.0	2.60	
LSA	54.0 274 P	06 06 19.0	1.7		
KSH	56.6 293 P	06 06 35.0	-0.8		
	eS	06 14 24.0	-0.1		
	LN	$M_s = 5.7$	12.0	2.50	

OCT 17d 06h 07m  $12.9 \pm 0.14s$ , SD1.13 / 71  
 51.61 N  $\pm 2.74km$ , 158.90 E  $\pm 2.35km$ , h30  $\pm 0.30km$   
 Near east coast of Kamchatka (218)  
 $M_s 5.3 / 6$ ,  $m_b 5.3 / 3$ ,

MDJ	20.7 262 eP	06 11 51.0	-2.3		
CN2	23.7 264 P	06 12 22.0	-0.9		
SNY	25.9 262 +P	06 12 43.6	-0.6		
BJI	31.5 265 eP	06 13 35.0	0.3		
TIA	33.3 259 eP	06 13 49.3	-1.1		
SSE	34.4 248 eP	06 13 59.0	-1.0		
BTO	35.0 271 eP	06 14 05.2	-0.1		
TIY	35.2 265 -iP	06 14 07.2	0.1		
WHN	38.9 255 +P	06 14 37.0	-0.5		
XAN	39.8 264 +P	06 14 44.5	-0.7		
LZH	41.6 270 eP	06 15 00.0	-0.5		

PMZ  $m_b = 5.6$  1.0 0.10  
 GTA 42.1 277 +P 06 15 04.5 0.4  
 CD2 45.1 265 eP 06 15 29.0 0.3  
 GYA 46.5 258 +P 06 15 39.6 0.0

	pP	06 15 50.0	1.6		
	S	06 22 29.0	4.9		
	LN	$M_s = 5.6$	14.0	2.50	
	LE		14.0	1.30	
	LZ	$M_s = 5.4$	14.0	3.00	
WMQ	46.8 290 +iP	06 15 42.5	0.5		
KMI	49.8 260 +iP	06 16 06.0	0.0		
QZN	50.2 248 P	06 16 10.0	1.4		
	eS	06 23 14.5	-3.3		
KSH	56.3 293 P	06 16 54.5	0.4		
	eS	06 24 42.0	0.7		
	LE	$M_s = 6.1$	12.0	5.30	

OCT 17d 10h 53m  $54.2 \pm 0.11s$ , SD1.32 / 24  
 23.06 S  $\pm 2.32km$ , 171.27 E  $\pm 1.74km$ , h33  $\pm 0.39km$   
 Loyalty Islands region (189)

NJ2	74.3 316 +P	11 05 30.4	0.0		
CN2	78.7 328 eP	11 05 54.2	-1.3		
GYA	79.5 305 P	11 06 01.0	0.7		
BJI	81.1 320 eP	11 06 07.5	-0.8		
KMI	81.9 302 -P	11 06 14.0	1.2		
TIY	81.9 317 eP	11 06 12.9	0.2		
XAN	82.1 312 P	11 06 14.0	0.5		

OCT 17d 21h 09m  $19.7 \pm 0.05s$ , SD2.70 / 7  
 38.66 N  $\pm 0.37km$ , 80.10 E  $\pm 0.45km$ , h37  $\pm 0.18km$   
 Southern Xinjiang Province (321)  
 $M_L 3.6 / 6$ ,

KSH	3.3 285 ePg	21 10 18.0	-0.6		
	Sg	21 11 02.0	-1.8		
	SMN	$M_L = 3.6$	0.2	0.30	
	SME		0.2	0.10	

OCT 17d 22h 06m  $47.9 \pm 0.15s$ , SD2.66 / 14  
 30.14 N  $\pm 1.18km$ , 99.58 E  $\pm 0.95km$ , h30  $\pm 0.71km$   
 Sichuan Province (307)  
 $M_g 3.8 / 2$ ,  $M_L 3.4 / 5$ ,

CD2	3.7 77 ePn	22 07 45.0	1.7		
	Pg	22 07 53.3	0.2		
	Sg	22 08 39.6	-4.0		

	SMN	$M_L = 3.1$	1.0	0.050	
	SME		1.0	0.040	
	LN	$M_s = 3.7$	6.0	1.17	
LZH	6.9 30 ePg	22 08 56.5	6.0		
GYA	7.2 119 Pn	22 08 33.0	0.7		

OCT 17d 23h 57m  $46.7 \pm 0.09s$ , SD1.86 / 59  
 45.56 N  $\pm 3.53km$ , 150.07 E  $\pm 1.89km$ , h46  $\pm 0.97km$   
 Kurile Islands (221)

MDJ	14.5 274 eP	24 01 16.0	5.0		
CN2	17.6 273 +iP	24 01 51.0	0.8		
SNY	19.5 268 eP	24 02 11.6	-1.2		
DL2	22.0 263 eP	24 02 38.6	-0.3		
TIA	26.4 261 eP	24 03 21.1	-0.5		
TIY	29.0 268 -iP	24 03 44.2	-0.5		
BTO	29.4 275 eP	24 03 47.9	-0.9		
WHN	31.6 254 -P	24 04 06.5	-1.0		
XAN	33.3 264 P	24 04 20.9	-1.7		
GTA	37.1 279 -iP	24 04 53.2	-1.6		
CD2	38.7 264 eP	24 05 07.2	-0.8		
GYA	39.4 256 P	24 05 13.0	-1.1		
KMI	42.9 258 -P	24 05 43.0	-0.5		
WMQ	43.4 291 +P	24 05 46.2	-0.8		

OCT 18d 03h 40m  $07.7 \pm 0.08s$ , SD1.41 / 33  
 49.92 N  $\pm 1.01km$ , 78.12 E  $\pm 1.19km$ , h11  $\pm 0.25km$   
 Eastern Kazakhstan (329)  
 $M_L 4.6 / 6$ ,

WMQ	9.0 129 P	03 42 19.4	-0.9		
	SMN	$M_L = 4.4$	0.7	0.060	
	SME		1.0	0.090	
GTA	18.6 116 P	03 44 27.3	-0.2		
BTO	24.2 100 eP	03 45 27.6	2.3		
GYA	32.1 126 P	03 46 37.6	-0.1		
WHN	33.3 112 +P	03 46 48.6	0.5		
NJ2	35.0 105 -P	03 47 03.0	0.1		

OCT 18d 09h 40m  $20.9 \pm 0.08s$ , SD1.09 / 70  
 12.18 N  $\pm 1.06km$ , 124.87 E  $\pm 1.80km$ , h138  $\pm 0.37km$   
 Leyte (256)  
 $m_b 5.0 / 2$ ,

SSE	19.1 350 P	09 44 37.1	1.2		
	PMZ	$m_b = 5.1$	1.0	0.090	
NJ2	20.5 345 +P	09 44 51.5	1.1		
WHN	20.7 334 eP	09 44 52.0	-0.1		
GYA	22.3 312 P	09 45 09.2	1.7		
KMI	24.6 305 -P	09 45 30.5	0.7		
TIA	24.9 345 eP	09 45 33.1	0.0		
XAN	26.2 329 P	09 45 43.3	-1.4		
CD2	27.0 317 eP	09 45 51.2	-0.9		
TIY	27.8 338 +iP	09 45 58.8	-0.4		
BJI	28.8 346 eP	09 46 07.5	-0.8		
SNY	29.6 358 -iP	09 46 15.2	0.1		
LZH	30.4 325 eP	09 46 23.0	-0.1		
	PMZ	$m_b = 4.9$	1.5	0.040	
HHC	30.9 340 eP	09 46 26.8	0.0		
CN2	31.5 1 eP	09 46 31.5	-0.9		
MDJ	32.6 6 eP	09 46 41.0	-0.6		
GTA	35.0 325 -iP	09 47 02.6	-0.2		
	PcP	09 49 32.0	0.7		
LSA	35.8 304 P	09 47 10.0	0.4		
WMQ	44.9 322 P	09 48 23.3	-0.5		

OCT 18d 13h 05m  $07.6 \pm 0.12s$ , SD0.98 / 22  
 18.33 S  $\pm 1.18km$ , 178.14 W  $\pm 0.84km$ , h447  $\pm 0.94km$   
 Fiji region (181)

MDJ	78.7 325 eP	13 16 24.0	-0.2		
CN2	80.5 322 P	13 16 34.0	0.2		



WHN	81.1	306	eP	13 16 36.0	-0.7		
BJI	84.3	315	eP	13 16 53.0	0.2		
TIY	85.7	312	eP	13 17 00.6	0.5		
OCT 18d 16h 35m 33.6 ± 0.08s, SD1.02 / 28							
23.97 S ± 1.71km, 69.64 E ± 1.68km, h10 ± 0.04km							
Mid-Indian Rise (429)							
WHN	69.1	41	eP	16 46 43.0	0.2		
WMQ	69.5	14	P	16 46 45.0	-0.1		
TIY	73.4	34	eP	16 47 08.6	0.1		
BJI	77.0	35	eP	16 47 29.0	-0.5		
CN2	84.6	37	eP	16 48 09.2	-0.5		
OCT 18d 18h 01m 48.3 ± 0.17s, SD1.14 / 29							
52.32 N ± 0.44km, 173.96 W ± 0.84km, h90 ± 1.48km							
Andreanof Islands (7)							
BTO	51.3	289	eP	18 10 46.8	0.5		
GTA	58.0	294	eP	18 11 32.5	-1.9		
WMQ	61.3	305	eP	18 11 58.0	0.7		
GYA	63.2	279	P	18 12 12.0	2.2		
OCT 19d 00h 08m 39.7 ± 0.08s, SD1.51 / 101							
37.04 N ± 1.49km, 141.58 E ± 1.46km, h41 ± 1.08km							
Near east coast of Honshu (228)							
M <sub>s</sub> 5.4 / 40, m <sub>b</sub> 5.7 / 7, m <sub>b</sub> 5.7 / 8,							
MDJ	11.8	314	eP	00 11 29.0	0.3		
			pP	00 11 33.0	-3.4		
			PP	00 11 38.0	-0.4		
			S	00 13 40.0	0.6		
			LZ	M <sub>s</sub> = 5.3	20.0	24.2	
CN2	14.0	304	+P	00 11 58.4	0.5		
			sP	00 12 11.0	-0.4		
			eS	00 14 35.0	2.3		
			LN	M <sub>s</sub> = 5.0	13.0	5.20	
			LZ	M <sub>s</sub> = 4.9	20.0	7.50	
SNY	14.7	295	+iP	00 12 08.0	1.1		
			sP	00 12 18.0	-2.5		
			S	00 14 52.0	3.5		
			LN	M <sub>s</sub> = 5.6	14.0	8.71	
			LE		14.0	16.6	
			LZ	M <sub>s</sub> = 5.4	15.0	18.2	
DL2	15.8	283	eP	00 12 24.0	2.3		
			eS	00 15 18.0	2.3		
			LN	M <sub>s</sub> = 5.3	14.0	5.90	
			LE		18.0	9.90	
			LZ	M <sub>s</sub> = 5.0	19.0	7.70	
SSE	17.9	257	+P	00 12 46.0	-1.4		
			PMZ	m <sub>b</sub> = 5.7	6.0	2.29	
			sP	00 12 58.5	-2.8		
			sS	00 16 16.0	-0.5		
			SS	00 16 26.0	0.9		
			LN	M <sub>s</sub> = 5.2	14.0	4.61	
			LE		14.0	3.86	
			LZ	M <sub>s</sub> = 5.1	20.0	9.26	
NJ2	19.4	262	-P	00 13 04.0	-0.8		
			LN	M <sub>s</sub> = 5.0	11.0	1.39	
			LE		13.0	2.77	
TIA	19.6	275	eP	00 13 06.1	-1.8		
			LN	M <sub>s</sub> = 5.4	15.0	4.53	
			LE		15.0	6.23	
			LZ	M <sub>s</sub> = 5.0	14.0	4.29	
BJI	20.1	286	eP	00 13 10.0	-2.7		
			ePP	00 13 30.0	-2.2		
			eS	00 16 51.0	-0.1		
			LN	M <sub>s</sub> = 5.1	13.0	3.50	
QZH	23.0	245	eP	00 13 41.6	-0.9		
			eS	00 17 48.0	1.8		
			LZ	M <sub>s</sub> = 4.9	15.0	2.96	

TIY	23.1	281	+iP	00 13 41.5	-2.1		
			pP	00 13 49.0	-4.6		
			sP	00 13 57.0	-1.4		
			S	00 17 51.0	3.8		
			sS	00 18 02.5	-2.5		
			LE	M <sub>s</sub> = 5.5	14.0	6.79	
			LZ	M <sub>s</sub> = 5.3	20.0	11.1	
WHN	23.5	262	-P	00 13 47.0	0.1		
			PMZ	m <sub>b</sub> = 5.5	7.0	1.51	
			sP	00 14 00.0	-1.8		
			PP	00 14 23.0	4.2		
			S	00 17 59.0	5.5		
			LN	M <sub>s</sub> = 5.2	14.0	3.96	
HHC	23.6	289	+P	00 13 47.0	-1.1		
			pP	00 13 56.3	-1.9		
			S	00 17 55.5	0.2		
			LN	M <sub>s</sub> = 5.4	13.0	5.59	
BTO	24.8	288	+iP	00 13 59.6	0.1		
			pP	00 14 08.0	-1.7		
			S	00 18 14.5	-1.0		
			sS	00 18 32.0	-1.5		
			LN	M <sub>s</sub> = 5.5	13.0	6.40	
			LE		13.0	2.30	
XAN	26.7	273	eP	00 14 16.5	-0.7		
			pP	00 14 27.0	-0.5		
			S	00 18 49.0	2.2		
GZH	28.0	248	+iP	00 14 30.5	1.3		
			S	00 19 13.0	4.9		
			LN	M <sub>s</sub> = 5.4	12.0	1.28	
			LE		13.0	3.35	
LZH	30.2	280	eP	00 14 49.0	0.0		
			PMZ	m <sub>b</sub> = 6.1	1.5	0.51	
			sP	00 15 05.0	0.9		
			PP	00 15 50.0	2.5		
			eS	00 19 39.0	-5.4		
			LN	M <sub>s</sub> = 5.5	15.0	2.18	
			LE		15.0	5.02	
			LZ	M <sub>s</sub> = 5.4	20.0	9.21	
GYA	31.4	260	+P	00 14 59.0	-0.2		
			PMZ	m <sub>b</sub> = 5.7	1.4	0.20	
			sP	00 15 12.0	-2.2		
			S	00 20 05.4	4.1		
			sS	00 20 18.0	-2.2		
			LN	M <sub>s</sub> = 5.4	14.0	2.10	
			LE		14.0	2.60	
			LZ	M <sub>s</sub> = 5.3	20.0	5.80	
CD2	31.8	270	P	00 15 02.8	-0.3		
			sP	00 15 15.0	-3.2		
			eS	00 20 07.4	-2.1		
			LE	M <sub>s</sub> = 5.7	15.0	8.10	
			LZ	M <sub>s</sub> = 5.3	15.0	4.40	
GTA	32.7	287	+P	00 15 10.4	-0.5		
			PMZ	m <sub>b</sub> = 5.7	5.0	0.59	
			PP	00 16 23.5	3.5		
			PcP	00 17 56.5	1.3		
			S	00 20 25.0	2.7		
			sS	00 20 41.5	0.3		
			ScS	00 25 36.0	3.2		
			LN	M <sub>s</sub> = 5.2	15.0	2.49	
QZN	33.1	246	eP	00 15 15.7	1.8		
			eS	00 20 31.0	2.2		
			LN	M <sub>s</sub> = 5.3	16.0	2.10	
			LE		17.0	1.90	
KMI	35.1	261	+iP	00 15 32.0	0.3		
			PMZ		3.0	1.10	
			pP	00 15 42.0	-0.2		
			PP	00 16 52.0	1.9		
			PcP	00 18 05.0	2.9		



		S	00 21 00.0	0.5			
		sS	00 21 16.0	-2.4			
		PcS	00 21 45.0	-2.6			
		LE	$M_s=5.4$	16.0	3.70		
		LZ	$M_s=5.3$	20.0	5.20		
WMQ	41.0 297	+P	00 16 22.2	1.5			
		sP	00 16 35.0	-0.9			
		PcS	00 22 09.0	-0.8			
		S	00 22 31.0	2.5			
		LE	$M_s=5.5$	16.0	3.42		
		LZ	$M_s=5.3$	26.0	5.26		
LSA	42.3 275	+P	00 16 34.9	2.5			
		pP	00 16 40.9	-1.8			
		SMN	$m_b=5.5$	8.0	0.60		
		LE	$M_s=5.2$	17.0	1.60		
KSH	50.5 294	P	00 17 39.0	2.2			
		sP	00 17 52.0	0.0			
		S	00 24 50.0	4.4			
		LN	$M_s=5.8$	13.0	4.10		

		pP	14 23 32.0	-0.6			
		eS	14 26 24.0	-6.2			
		LN	$M_s=4.9$	10.0	2.10		
HHC	17.3 47	eP	14 23 30.5	-0.5			
		eS	14 26 40.0	-1.0			
		LN	$M_s=4.6$	6.0	0.33		
		LE		7.0	0.69		
QZN	17.5 126	eP	14 23 30.0	-3.5			
		eS	14 26 42.0	-3.5			
		LN	$M_s=4.6$	12.0	1.00		
		LE		11.0	0.80		
KSH	18.1 306	eP	14 23 42.0	1.3			
		eS	14 27 01.0	2.4			
		LE	$M_s=4.7$	9.0	1.20		
TIA	19.6 66	eP	14 23 58.3	-0.2			
BJI	20.0 55	eP	14 24 04.0	0.8			
		LN	$M_s=5.0$	9.0	2.20		
NJ2	20.6 78	+P	14 24 09.0	-0.6			
SNY	25.9 55	+P	14 25 02.3	1.1			
CN2	27.8 52	eP	14 25 20.6	1.7			

OCT 19d 10h 22m  $11.9 \pm 0.08s$ , SD1.68 / 16  
8.76 S  $\pm 2.65km$ , 121.51 E  $\pm 2.82km$ , h40  $\pm 0.39km$   
Savu Sea (288)

WHN	39.7 350	eP	10 29 45.6	3.3			
CD2	43.0 337	eP	10 30 08.0	-1.4			
XAN	44.2 345	eP	10 30 18.7	-0.8			
BJI	48.8 355	eP	10 30 54.0	-1.7			

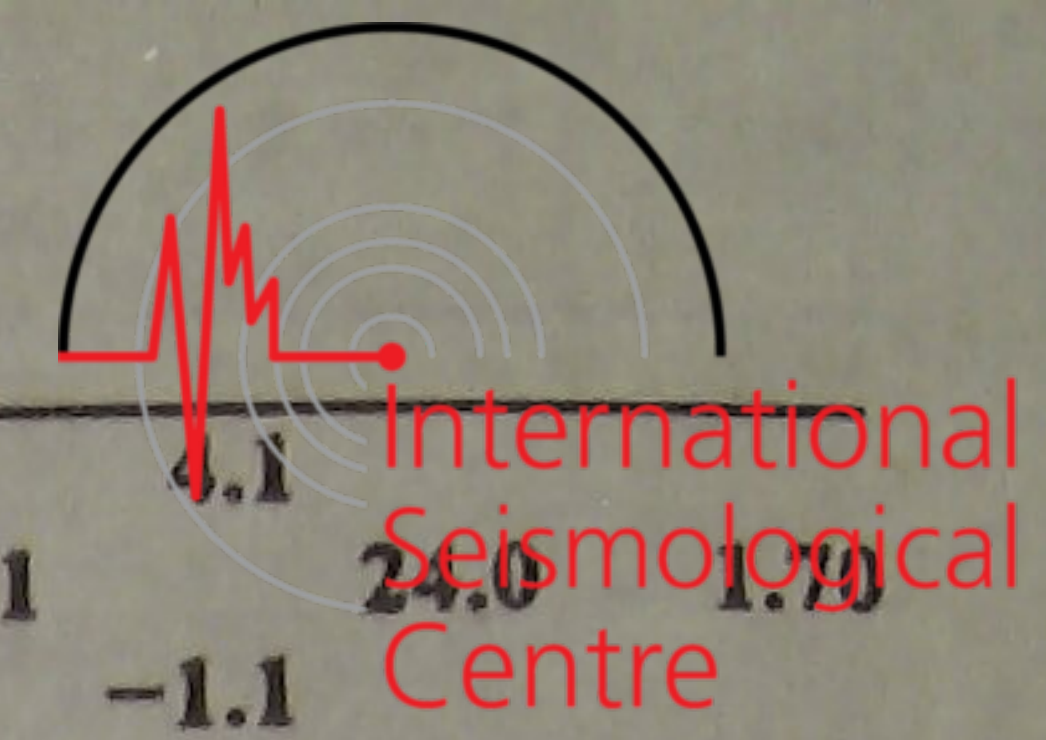
OCT 19d 19h 51m  $37.0 \pm 0.06s$ , SD1.14 / 80  
47.80 N  $\pm 2.24km$ , 151.38 E  $\pm 1.46km$ , h184  $\pm 0.74km$   
Kurile Islands (221)

		$m_b=5.5 / 6$ , $m_b=5.8 / 11$ ,					
MDJ	15.4 266	eP	19 55 06.5	0.3			
		LZ		12.0	0.90		
CN2	18.5 267	-P	19 55 39.0	-2.7			
		eS	19 58 55.0	-3.6			
SNY	20.5 263	-P	19 56 02.0	-0.7			
		S	19 59 42.0	5.5			
		LN		20.0	3.76		
		LE		20.0	1.56		
DL2	23.3 259	eP	19 56 30.0	0.6			
		S	20 00 25.0	0.8			
BJI	26.3 266	eP	19 56 57.0	-1.0			
		esP	19 58 01.0	4.7			
		eS	20 01 13.0	-2.9			
		LN		13.0	0.92		
TIA	27.7 258	eP	19 57 10.3	-0.5			
SSE	28.4 245	-P	19 57 17.0	0.1			
		iS	20 01 48.0	-1.4			
		LE		12.0	0.58		
		LZ		20.0	1.17		
HHC	29.1 271	-P	19 57 22.5	-0.3			
		pP	19 58 00.5	0.7			
		S	20 01 58.5	-0.3			
		LN		12.0	1.38		
		LE		9.0	0.50		
NJ2	29.2 249	-P	19 57 23.0	-1.0			
		S	20 02 02.0	0.8			
		LN		20.0	2.72		
		LE		17.0	2.38		
TIY	30.0 265	-P	19 57 30.5	-0.8			
		PMZ	$m_b=5.4$	1.2	0.10		
BTO	30.2 272	-iP	19 57 32.0	-1.0			
		esP	19 58 30.0	-1.7			
		eS	20 02 15.5	-2.5			
		LN		14.0	1.40		
		LE		10.0	0.90		
WHN	33.1 252	-iP	19 57 57.5	-0.3			
		PMZ	$m_b=6.0$	0.6	0.22		
		sP	19 58 59.0	2.1			
		eS	20 03 01.0	-1.6			
XAN	34.5 262	P	19 58 08.9	-0.6			
LZH	36.7 269	-P	19 58 29.5	1.0			
		PMZ	$m_b=5.9$	1.5	0.51		
		LN		13.0	0.70		

OCT 19d 14h 19m  $30.1 \pm 0.12s$ , SD2.24 / 58  
30.10 N  $\pm 1.55km$ , 94.86 E  $\pm 1.21km$ , h33  $\pm 0.14km$   
India-China border region (313)  
 $M_s=4.6 / 19$ ,

LSA	3.2 264	-Pn	14 20 24.3	4.6			
		Pg	14 20 30.3	2.6			
		Sg	14 21 07.8	-4.4			
		LE	$M_s=4.6$	5.0	8.20		
CD2	7.7 82	ePn	14 21 26.6	5.9			
		LN	$M_s=4.9$	8.0	7.50		
KMI	8.6 123	+P	14 21 35.0	-0.1			
		LN	$M_s=4.7$	8.0	3.40		
LZH	9.6 49	eP	14 21 51.5	2.0			
		LN	$M_s=4.8$	6.0	2.25		
		LE		7.0	1.58		
		LZ	$M_s=4.0$	13.0	1.06		
GTA	10.1 22	eP	14 21 54.8	-2.0			
		eS	14 23 46.0	-4.7			
		LN	$M_s=4.4$	9.5	1.73		
		LZ	$M_s=4.5$	12.0	2.99		
GYA	11.0 106	P	14 22 08.0	-0.8			
		pP	14 22 15.0	-0.5			
		S	14 24 14.0	2.6			
		LN	$M_s=4.5$	9.0	1.80		
XAN	12.6 68	eP	14 22 29.0	-0.5			
		LN	$M_s=4.8$	11.0	2.81		
		LE		9.0	0.85		
WMQ	14.8 339	eP	14 22 56.6	-3.0			
		eS	14 25 46.0	2.2			
		SS	14 26 00.0	-0.6			
		LZ	$M_s=4.4$	14.0	1.50		
BTO	16.2 46	eP	14 23 16.0	-1.0			
		sP	14 23 28.0	-0.9			
		eS	14 26 13.0	-2.3			
		LN	$M_s=4.6$	15.0	1.30		
		LE		15.0	1.40		
TIY	16.4 58	eP	14 23 17.8	-2.3			
		LN	$M_s=4.5$	10.0	1.07		
		LZ	$M_s=4.4$	12.0	1.20		
WHN	16.8 84	+P	14 23 23.5	-1.6			





GTA	37.7 277	LE	19 58 36.5	0.0	13.0	0.28	CD2	59.0 310	eS	02 48 32.0	0.1	HHC	59.2 324	eP	02 40 48.8	-1.1	BTO	60.0 323	P	02 40 57.0	0.4							
		LZ			18.0	0.54			LZ		$M_S=5.1$			24.0	1.70	eP				$M_S=5.0$	28.0	1.60	eS	02 48 56.6	6.8			
		-P			4.0	0.53			eS										LE		$M_S=4.9$	16.0	0.48	sP	02 41 21.0	-1.2		
		PMZ		$m_B=5.5$						LZ									P					eS	02 49 03.0	0.6		
		PP		20 00 08.5	0.5					PMZ				$m_b=5.8$	2.0	0.25			sP					eS	02 41 06.5	-0.3		
		PcP		20 00 50.4	0.7					pP									pP					eS	02 41 22.0	-2.2		
		eS		20 04 13.0	0.2					S									eS					LZ		$M_S=4.9$	23.0	1.11
		PcS		20 04 39.0	2.1					LZ									LZ					-P	02 41 36.2	0.5		
		ScS		20 08 27.2	1.1					PMZ									S					PMZ			3.0	0.54
		LN				12.0			0.54	LZ									sS					S	02 50 18.0	3.2		
LZ				14.0	0.78	P	19 58 54.6	0.3			sS					S	02 50 44.5	-2.1										
CD2	39.8 263	P	19 59 02.5	-0.1							LN					LN		$M_S=5.2$	20.0	0.87								
GYA	40.8 255	-P	19 59 43.4	1.8							LZ					LZ		$M_S=4.9$	24.0	0.88								
WMQ	43.5 289	pP	20 04 55.0	-3.7			GTA	65.9 317	-P	02 41 36.2	0.5	LSA	68.5 304	eP	02 41 54.5	1.7	WMQ	76.0 317	P	02 42 37.0	0.6							
		P	19 59 24.0	0.1																								
		PcP	20 01 09.0	0.5																								
		ScP	20 04 40.8	-0.1																								
		PcS	20 05 01.0	1.3																								
QZN	44.2 244	P	19 59 31.9	2.0																								
KMI	44.3 257	eS	20 05 51.0	2.0																								
		-P	19 59 31.0	0.2																								
		PMZ		$m_b=6.2$	2.0	1.40																						
		PP	20 01 22.0	5.1																								
		iS	20 05 49.5	-1.3																								
KSH	53.2 291	SS	20 09 08.0	2.8																								
		P	20 00 39.0	0.0																								
		sP	20 01 43.0	2.9																								
		eS	20 07 53.0	-1.5																								
		LZ																										

OCT 20d 02h 30m 54.4 ± 0.11s, SD1.23 / 72  
 4.67 S ± 1.66km, 153.27 E ± 2.56km, h69 ± 1.39km  
 New Britain region (192)  
 $M_S=5.1/10, m_b=5.6/4,$

QZH	44.7 313	eP	02 39 03.4	0.3																
SSE	46.9 321	P	02 39 20.7	0.4																
		pP	02 39 37.0	-0.3																
		eScS	02 49 10.0	5.4																
QZN	48.8 300	LE		$M_S=5.1$	22.0	1.37														
		LZ		$M_S=4.7$	20.0	0.93														
NJ2	49.0 321	eP	02 39 36.6	1.6																
		eS	02 46 33.0	0.9																
WHN	51.1 316	+P	02 39 37.8	1.1																
		S	02 46 40.0	5.7																
		LZ		$M_S=4.6$	18.0	0.60														
		eP	02 39 51.5	-0.9																
		sP	02 40 14.0	-3.9																
TIA	52.9 323	eS	02 47 08.0	4.3																
		LZ		$M_S=5.1$	22.0	1.99														
MDJ	53.5 339	eP	02 40 05.8	-0.2																
SNY	53.6 333	eP	02 40 10.0	-0.2																
		S	02 47 36.0	-0.9																
CN2	54.4 335	LN		$M_S=5.3$	42.0	2.69														
		LE			42.0	2.17														
		LZ		$M_S=4.8$	32.0	1.48														
GYA	54.7 307	eP	02 40 16.7	-0.2																
		P	02 40 21.0	1.7																
BJI	56.0 326	pP	02 40 35.0	-1.5																
		S	02 47 55.0	3.5																
		eP	02 40 29.0	0.1																
TIY	56.7 322	+P	02 40 35.0	1.2																
		eS	02 48 25.0	5.2																
XAN	56.8 316	LE		$M_S=5.2$	15.0	0.87														
		LZ		$M_S=5.0$	24.0	1.48														
KMI	57.3 304	P	02 40 33.0	-1.8																
		-P	02 40 38.5	0.3																
		sP	02 41 02.0	-1.6																

OCT 20d 14h 00m 58.9 ± 0.09s, SD0.94 / 27  
 40.58 N ± 0.99km, 22.94 E ± 0.74km, h32 ± 0.27km  
 Greece (364)

GTA	57.1 64	-P	14 10 44.3	-0.7																
HHC	64.1 57	eP	14 11 33.5	0.3																
XAN	66.1 65	P	14 11 44.5	-1.1																
TIY	66.4 60	eP	14 11 46.5	-1.2																
BJI	67.5 56	eP	14 11 54.0	-0.6																
GYA	68.8 73	P	14 12 02.2	-0.5																
CN2	70.9 48	-P	14 12 15.2	-0.2																

OCT 20d 14h 26m 09.9 ± 0.06s, SD1.85 / 8  
 43.89 N ± 0.74km, 83.60 E ± 0.66km, h26 ± 0.01km  
 Northern Xinjiang Province (332)  
 $M_L=3.6/6,$

WMQ	3.0 90	ePn	14 26 58.0	2.1																
		Sg	14 27 39.7	-3.4																
		SMN		$M_L=3.4$	0.5	0.15														
		SME			0.4	0.19														

OCT 20d 19h 31m 39.2 ± 0.10s, SD0.96 / 64  
 18.82 N ± 1.29km, 144.83 E ± 1.70km, h34 ± 0.15km  
 Marianas (216)  
 $M_S=4.8/19, m_b=5.3/2, m_b=5.1/2,$

SSE	24.6 304	+P	19 36 57.5	-0.5																
QZH	25.1 289	PMZ		$m_b=4.9$	1.5	0.070														
		S	19 41 20.0	6.2																
NJ2	26.8 304	SME			16.0	2.70														
		LN		$M_S=4.5$	14.0	0.77														
		LZ		$M_S=4.6$	20.0	1.84														
TIY	56.7 322	eP	19 37 02.0	-0.5																
		S	19 41 21.0	-0.6																
KMI	57.3 304	sS	19 41 38.0	0.7																
		LE		$M_S=4.3$	14.0	0.38														
XAN	56.8 316	+P																		



















QZN	47.5	247	P	06 46	20.8	1.3			BJI	27.2	39	eP	11 48	47.5	-0.7			
			S	06 53	10.0	-1.2			SNY	32.8	42	eP	11 49	36.2	-1.5			
			LN		$M_s=6.1$		15.5	9.50	CN2	35.0	41	eP	11 49	56.8	0.1			
LSA	52.0	273	+P	06 46	55.0	1.0			OCT 23d 13h 31m $52.1 \pm 0.09s$ , $SD1.41 / 67$ $49.73 N \pm 2.74km$ , $155.57 E \pm 1.88km$ , $h21 \pm 0.40km$ Kurile Islands (221) $M_s 5.1 / 13$ , $m_b 5.3 / 2$ ,									
			LN		$M_s=5.9$		15.0	3.70	MDJ	18.3	264	eP	13 36	05.0	-2.3			
			LE				16.0	3.50				pP	13 36	10.0	-3.3			
KSH	55.4	292	P	06 47	19.0	-0.1						eS	13 39	26.0	-2.5			
			S	06 55	02.0	2.3						LZ		$M_s=5.1$	15.0	6.40		
			sS	06 55	17.0	2.5						eP	13 36	38.2	-2.6			
			LE		$M_s=6.4$		15.0	16.2				eS	13 40	28.0	-4.4			
OCT 23d 11h 43m $09.4 \pm 0.08s$ , $SD1.57 / 89$ $20.23 N \pm 1.59km$ , $94.36 E \pm 1.35km$ , $h74 \pm 0.83km$ Burma (296) $M_s 4.7 / 13$ , $m_b 5.1 / 6$ ,									CN2	21.4	265	eP	13 36	38.2	-2.6			
KMI	9.1	56	+P	11 45	25.0	4.0						LN		$M_s=4.9$	14.0	2.30		
			sP	11 45	42.5	0.7						LZ		$M_s=4.7$	16.0	2.10		
			LN		$M_s=4.7$		7.0	2.60	SNY	23.5	263	-iP	13 37	03.1	1.0			
LSA	9.9	343	+P	11 45	30.7	-0.5						sP	13 37	14.0	1.5			
			S	11 47	17.0	-3.3						S	13 41	11.0	0.3			
			LE		$M_s=4.5$		6.0	1.30				LN		$M_s=4.9$	13.0	0.80		
GYA	12.9	59	P	11 46	11.4	0.1						LE			14.0	1.84		
			S	11 48	35.2	2.4						LZ		$M_s=4.8$	17.0	2.48		
			ScS	11 58	44.2	3.0						eP	13 37	53.5	-1.7			
CD2	13.6	37	P	11 46	20.0	-0.4						eS	13 42	48.0	2.3			
			S	11 48	52.5	2.9						LN		$M_s=5.2$	16.0	3.10		
			LE		$M_s=4.8$		8.0	2.19				LZ		$M_s=5.0$	14.0	2.40		
QZN	14.6	92	eP	11 46	38.5	4.5			SSE	31.7	247	eP	13 38	16.5	-0.8			
LZH	17.9	26	eP	11 47	13.5	-1.2						sP	13 38	27.0	-0.8			
			PMZ		$m_b=4.9$		1.0	0.060				eS	13 43	30.0	5.0			
			LE		$M_s=4.2$		9.0	0.40				LN		$M_s=5.1$	18.0	2.55		
			LZ		$M_s=4.1$		30.0	1.30	HHC	31.8	271	P	13 38	18.0	-0.1			
GZH	17.9	77	+iP	11 47	15.5	0.8						eS	13 43	27.0	0.6			
XAN	18.9	40	+iP	11 47	24.0	-2.4						LN		$M_s=5.6$	17.0	5.41		
			PP	11 47	41.3	-3.6						LE			17.0	3.77		
			S	11 50	52.0	1.8						LN		$M_s=5.6$	17.0	5.41		
			LN		$M_s=4.7$		10.0	0.95	NJ2	32.5	251	-P	13 38	22.8	-1.0			
			LE				6.0	0.47	BTO	32.9	272	eP	13 38	26.2	-1.8			
GTA	19.7	13	+P	11 47	33.6	-1.8						pP	13 38	34.0	-1.0			
			PcP	11 51	52.8	1.7						eS	13 43	41.0	-3.1			
WHN	20.7	56	+P	11 47	45.5	-0.8						LN		$M_s=5.9$	14.0	3.30		
			PMZ		$m_b=5.0$		1.0	0.080				LE			14.0	9.10		
			LZ		$M_s=4.5$		16.0	1.50	TIY	33.0	265	eP	13 38	28.0	-0.1			
QZH	22.8	74	eP	11 48	08.5	1.3						eS	13 43	39.0	-5.4			
TIY	23.4	38	+P	11 48	13.4	0.3						LE		$M_s=5.4$	17.0	4.57		
			ePP	11 48	50.0	2.5						LZ		$M_s=5.2$	18.0	4.00		
			LE		$M_s=4.8$		6.0	0.67	WHN	36.3	254	+P	13 38	55.7	-1.0			
			LZ		$M_s=4.5$		10.0	0.76				eS	13 44	40.0	4.1			
WMQ	24.2	348	-P	11 48	21.5	1.4						LZ		$M_s=5.2$	20.0	4.50		
			pP	11 48	36.0	-0.7						PMZ		$m_b=5.3$	1.5	0.070		
			eS	11 52	33.0	2.6						+P	13 39	29.8	0.6			
			LZ		$M_s=4.2$		28.0	1.15	GTA	40.2	277	+P	13 39	29.8	0.6			
BTO	24.3	30	eP	11 48	21.0	-0.4						eP	13 39	50.4	-0.3			
			pP	11 48	38.0	0.0						GYA	44.0	257	P	13 39	59.8	-0.6
			S	11 52	32.0	0.3						WMQ	45.4	290	eP	13 40	13.3	1.4
			sS	11 52	57.0	-4.3						KMI	47.4	259	+P	13 40	28.0	0.2
			SS	11 53	30.0	-0.1								pP	13 40	39.0	4.2	
			LN		$M_s=4.7$		10.0	0.40	QZN	47.5	247	eP	13 40	28.6	0.2			
			LE				10.0	0.60				S	13 47	15.5	-5.1			
KSH	24.8	324	P	11 48	30.0	3.4						LSA	51.8	272	P	13 41	02.8	1.4
NJ2	24.9	57	-P	11 48	26.4	-0.4						OCT 23d 13h 38m $09.1 \pm 0.08s$ , $SD1.36 / 77$ $49.54 N \pm 2.78km$ , $155.91 E \pm 1.68km$ , $h20 \pm 0.36km$ Kurile Islands (221) $M_s 5.5 / 19$ , $m_b 5.5 / 2$ ,						
HHC	25.2	32	eP	11 48	31.0	0.5						MDJ	18.5	265	eP	13 42	26.0	-0.9
TIA	25.5	47	+P	11 48	31.7	-1.1						CN2	21.6	266	eP	13 42	57.5	-2.5
SSE	26.4	60	P	11 48	41.5	0.3								eS	13 46	53.0	-0.4	
			PMZ		$m_b=5.1$		1.0	0.050						LN		$M_s=5.2$	14.0	4.50
			pP	11 49	00.0	1.9												
			LN		$M_s=4.7$		12.0	0.87										
			LZ		$M_s=4.1$		16.0	0.44										



		LZ	$M_s = 4.9$	21.0	4.80	WHN	85.3	309	eP	14 01 17.0	3.7		
SNY	23.7	263	-P	13 43 21.6	0.5	WMQ	86.0	334	eP	14 01 14.5	-2.4		
BJI	29.5	266	eP	13 44 13.5	-0.7	LZH	86.3	319	eP	14 01 23.5	5.0		
TIA	31.0	259	eP	13 44 27.5	-0.7				PMZ	$m_b = 5.6$		2.5	0.12
		eS		13 49 35.6	4.5								
		LZ	$M_s = 5.1$	16.0	3.00	OCT 23d 15h 31m $51.7 \pm 0.11s$ , SD2.57 / 34							
SSE	31.9	248	eP	13 44 35.0	-0.6	34.37 N $\pm$ 1.42km, 92.01 E $\pm$ 1.13km, h32 $\pm$ 0.05km							
		pP		13 44 43.5	0.9	Qinghai Province (325)							
		sS		13 50 00.0	3.8	$M_s 4.5 / 8$ , $m_b 4.4 / 1$ ,							
		LN	$M_s = 5.3$	14.0	2.69	LSA	4.7	189	Pn	15 33 03.4	1.9		
		LZ	$M_s = 5.0$	16.0	2.66				Sn	15 33 55.0	-1.3		
HHC	32.0	271	eP	13 44 36.8	-0.4				LE	$M_g = 4.6$		8.0	7.00
NJ2	32.6	252	+P	13 44 42.4	0.2	GTA	8.0	49	P	15 33 50.2	1.2		
		LN	$M_s = 5.5$	15.0	4.27				LE	$M_g = 4.2$		8.5	1.37
		LE		18.0	1.94				LZ	$M_g = 4.2$		10.0	1.70
BTO	33.2	272	eP	13 44 47.0	-0.1	LZH	9.8	77	eP	15 34 14.0	-0.2		
TIY	33.2	266	-iP	13 44 47.1	0.1				PMZ	$m_b = 4.4$		1.0	0.010
WHN	36.5	254	+P	13 45 14.5	-0.6				LN	$M_s = 4.5$		12.0	2.90
XAN	37.7	264	P	13 45 22.6	-2.6				LZ	$M_s = 4.4$		12.0	2.20
		LN	$M_s = 5.7$	16.0	4.40	WMQ	10.0	342	P	15 34 17.0	0.4		
		LE		10.0	2.20	CD2	10.5	106	eP	15 34 20.4	-2.7		
LZH	39.7	270	eP	13 45 42.0	-0.5	KSH	13.8	296	eP	15 35 09.0	1.5		
		PMZ	$m_b = 5.3$	2.0	0.11	GYA	14.9	118	P	15 35 20.4	-1.6		
		LN	$M_s = 5.6$	15.0	4.40	HHC	16.8	62	eP	15 35 49.5	3.4		
		LZ	$M_s = 5.5$	16.0	5.10	TIY	16.8	73	-P	15 35 50.2	3.2		
GTA	40.4	277	eP	13 45 48.2	-0.2				LN	$M_s = 4.8$		13.0	2.00
		S		13 51 56.0	1.3				LE			9.0	1.01
		LE	$M_s = 5.5$	15.0	3.50				LZ	$M_s = 4.5$		8.0	0.99
		LZ	$M_s = 5.7$	16.0	9.00	WHN	19.2	95	eP	15 36 17.0	0.9		
GZH	42.5	247	eP	13 46 08.7	3.7	BJI	20.0	67	eP	15 36 24.5	-0.5		
		LZ	$M_s = 5.2$	20.0	3.51				eS	15 40 04.0	0.3		
CD2	43.0	264	eP	13 46 09.1	-0.3				LN	$M_s = 4.4$		13.0	0.77
		eS		13 52 34.0	0.2				LZ	$M_s = 4.4$		12.0	0.90
		LE	$M_s = 5.4$	13.0	2.10	TIA	20.6	78	eP	15 36 32.0	1.4		
GYA	44.2	257	P	13 46 18.2	-0.7	OCT 24d 11h 04m $28.5 \pm 0.10s$ , SD3.18 / 16							
		pP		13 46 25.2	-0.7	39.56 N $\pm$ 1.38km, 95.42 E $\pm$ 0.99km, h3 $\pm$ 0.57km							
WMQ	45.7	290	eP	13 46 31.3	0.1	Gansu Province (322)							
		eS		13 53 11.0	-1.9	$M_s 4.1 / 1$ , $M_L 4.6 / 6$ ,							
		ScS		13 56 24.0	1.3	GTA	3.4	91	ePn	11 05 24.0	1.0		
		LN	$M_s = 5.7$	13.0	2.80				Pg	11 05 28.7	0.1		
		LE		13.0	2.53				Sg	11 06 10.8	-4.4		
		LZ	$M_s = 5.5$	16.0	4.28				SMN	$M_L = 4.1$		0.8	0.63
KMI	47.6	259	+P	13 46 46.0	-0.3				SME			0.8	0.49
		S		13 53 33.0	-5.7	WMQ	7.2	309	-iPn	11 06 18.4	3.7		
		LN	$M_s = 5.5$	16.0	2.00				Sn	11 07 33.0	-6.1		
		LE		18.0	2.10				Sg	11 08 13.3	0.1		
QZN	47.7	247	eP	13 46 48.2	1.6				SMN	$M_L = 4.6$		0.6	0.24
		eS		13 53 36.0	-4.7				SME			0.6	0.27
		LE	$M_s = 5.5$	16.0	2.80	TIY	13.4	93	eP	11 07 45.0	2.0		
LSA	52.0	273	P	13 47 21.4	1.1				LN	$M_s = 4.1$		12.0	0.63
KSH	55.4	292	eP	13 47 45.0	0.2	OCT 24d 11h 48m $48.9 \pm 0.09s$ , SD1.25 / 89							
		eS		13 55 27.0	0.2	49.35 N $\pm$ 2.68km, 155.95 E $\pm$ 1.82km, h41 $\pm$ 0.47km							
		LE	$M_s = 6.0$	14.0	5.40	Kurile Islands (221)							
						$M_s 5.4 / 37$ , $m_b 5.6 / 4$ , $m_b 5.6 / 6$ ,							
OCT 23d 13h 48m $34.5 \pm 0.17s$ , SD2.61 / 35						MDJ	18.6	265	eP	11 53 00.0	-4.6		
44.52 N $\pm$ 3.53km, 129.59 W $\pm$ 2.58km, h13 $\pm$ 0.55km									pP	11 53 09.0	-4.1		
Off coast of Oregon (30)									PP	11 53 20.0	0.0		
$m_b 5.2 / 3$ ,									eS	11 56 22.0	-4.7		
CN2	69.6	312	eP	13 59 49.0	2.7				LZ	$M_s = 5.2$		15.0	8.30
SNY	72.0	311	eP	14 00 03.2	2.6	CN2	21.6	267	eP	11 53 34.0	-3.4		
BJI	77.2	314	eP	14 00 35.0	4.5				pP	11 53 46.0	-1.5		
HHC	78.8	317	eP	14 00 37.2	-2.8				eS	11 57 30.0	0.8		
TIA	79.5	311	eP	14 00 42.2	-1.2				LN	$M_s = 5.2$		14.0	4.20
BTO	79.8	318	eP	14 00 44.7	-0.4	SNY	23.7	264	eP	11 53 58.0	-0.4		
TIY	80.8	315	P	14 00 55.5	4.9				eS	11 58 12.0	4.5		
SSE	81.0	305	eP	14 00 55.8	4.6				LN	$M_s = 5.3$		18.0	2.85
		PMZ	$m_b = 4.9$	1.5	0.020								







				$M_s = 4.9$	14.0	0.83	36.63 N ± 1.28km, 70.83 E ± 1.21km, h219 ± 0.18km Hindu Kush region $m_b 5.8 / 3, m_b 5.6 / 10,$							
BJI	49.9	64	eP	17 10 50.5	-0.7		KSH	4.9	54	+iP	02 16 28.3	1.1		
CN2	55.5	57	eP	17 11 30.5	-1.9					PMZ			3.0	3.00
OCT 25d 03h 42m 34.8 ± 0.09s, SD1.09 / 36 20.83 S ± 1.38km, 169.53 E ± 2.51km, h57 ± 0.88km Loyalty Islands region (189)							WMQ	14.7	56	+iP	02 17 24.0	-1.1		
WHN	73.6	312	eP	03 54 04.5	-0.2					S	02 18 31.0	-0.8		
DL2	74.4	323	eP	03 54 10.2	0.7					PMZ			2.0	2.37
CN2	76.0	329	+P	03 54 17.6	-0.6					sP				
			pP	03 54 29.0	-3.6					S				
BJI	78.3	321	eP	03 54 31.5	0.0		LSA	18.3	106	+P	02 19 14.4	1.1		
			pP	03 54 43.0	-3.0					SME			4.5	2.60
TIY	79.2	317	eP	03 54 35.8	-0.4		GTA	23.0	74	+iP	02 20 00.0	1.1		
XAN	79.4	313	P	03 54 37.2	-0.1					PMZ			3.5	1.57
HHC	81.6	319	eP	03 54 49.8	0.7					sP	02 21 10.0	4.5		
GTA	88.4	313	eP	03 55 23.2	0.2		LZH	26.5	81	+P	02 20 33.0	1.0		
OCT 25d 17h 29m 48.8 ± 0.08s, SD1.84 / 15 39.85 N ± 0.78km, 118.56 E ± 0.72km, h19 ± 0.28km North-Eastern China (658) $M_L 3.2 / 14,$							CD2	27.9	92	+iP	02 20 44.4	0.3		
BJI	1.8	277	Pn	17 30 18.5	-1.5		KMI	29.6	104	+P	02 20 59.0	-0.3		
			Pg	17 30 20.5	-1.0		BTO	30.7	70	+iP	02 21 10.0	0.9		
			Sg	17 30 45.0	-1.8		XAN	31.0	83	+iP	02 21 11.0	-1.1		
			SMN				HHC	31.8	70	+P	02 21 19.0	-0.1		
			SME				GYA	32.0	98	+P	02 21 20.2	-0.4		
DL2	2.6	111	Pn	17 30 29.2	-0.6					PcP	02 24 04.8	0.4		
			Pg	17 30 37.3	3.3					S	02 26 16.0	1.5		
			Sg	17 31 07.4	-1.6					ScP	02 27 25.0	-0.6		
			SMN				TIY	33.0	75	+P	02 21 28.7	-0.1		
			SME				BJI	35.4	70	eP	02 21 50.0	0.4		
TIA	3.8	198	Pg	17 30 54.7	-1.4					PcP	02 24 15.0	0.9		
			SMN							ScP	02 27 37.5	-0.1		
			SME				WHN	36.5	87	+iP	02 21 59.5	0.8		
SNY	4.3	61	ePg	17 31 06.5	1.9					PMZ			1.5	0.24
			Sn	17 31 42.0	-3.1		TIA	37.0	76	+P	02 22 03.3	0.8		
			Sg	17 32 02.8	-0.4		QZN	38.4	106	-P	02 22 15.4	1.1		
			SMN				GZH	39.0	98	P	02 22 19.0	0.0		
			SME				NJ2	39.6	82	+P	02 22 24.9	0.7		
TIY	5.2	248	ePg	17 31 22.5	0.9		DL2	39.8	71	eP	02 22 27.0	1.1		
			Sg	17 32 28.7	-4.4		SNY	40.7	66	eP	02 22 32.3	-0.7		
			SMN				CN2	41.7	63	+P	02 22 41.0	-0.2		
			SME				SSE	41.8	82	+P	02 22 43.0	0.8		
HHC	5.4	283	ePg	17 31 26.6	1.5					PMZ			1.5	0.10
			Sg	17 32 39.7	0.4					sP	02 23 55.6	3.1		
			SMN				MDJ	44.5	61	eP	02 23 02.0	-1.7		
			SME				OCT 26d 03h 20m 57.7 ± 0.08s, SD2.52 / 9 27.03 N ± 1.01km, 102.92 E ± 0.52km, h15 ± km Sichuan Province (307) $M_L 3.4 / 5,$							
BTO	6.6	279	ePg	17 31 48.6	3.3		GYA	3.4	99	Pn	03 21 52.4	1.6		
			Sg	17 33 14.0	-1.0					Pg	03 22 01.0	3.3		
OCT 25d 21h 41m 21.4 ± 0.09s, SD1.74 / 33 2.46 S ± 3.58km, 68.26 E ± 3.90km, h10 ± 1.24km Carlsberg Ridge (421)										Sg	03 22 43.0	-1.2		
LSA	38.8	33	P	21 48 50.4	1.7		CD2	3.9	11	ePn	03 22 01.1	3.0		
CD2	47.4	43	P	21 49 58.4	0.2					Pg	03 22 11.7	4.5		
WMQ	49.3	19	eP	21 50 12.5	-0.5					SMN			0.7	0.030
LZH	50.7	38	eP	21 50 21.0	-3.2					SME			0.6	0.030
GTA	50.8	32	eP	21 50 23.2	-1.2		OCT 26d 07h 38m 02.2 ± 0.10s, SD1.68 / 57 20.12 N ± 2.31km, 122.10 E ± 1.72km, h20 ± 1.11km Philippine Islands region (248) $M_s 4.7 / 12, M_L 3.9 / 4,$							
XAN	52.7	43	P	21 50 38.8	-0.4		QZH	5.8	327	ePn	07 39 28.0	0.6		
WHN	54.8	50	eP	21 50 59.4	4.9					Sn	07 40 35.0	-0.4		
TIY	57.2	41	eP	21 51 11.2	-0.3					LZ			18.0	4.24
BTO	57.3	37	eP	21 51 11.9	-0.8									
NJ2	58.9	50	eP	21 51 22.4	-1.5		GZH	8.7	291	eP	07 40 09.0	-0.5		
BJI	60.9	41	eP	21 51 37.0	-0.2					LZ			18.0	3.13
CN2	68.7	41	eP	21 52 30.0	1.7		SSE	11.0	356	eP	07 40 43.0	1.8		
OCT 26d 02h 15m 12.1 ± 0.07s, SD1.08 / 89														



					OCT 26d 19h 16m 59.2 ± 0.05s, SD1.93 / 9										
					43.25 N ± 0.61km, 84.35 E ± 0.40km, h28 ± 0.20km										
					Northern Xinjiang Province (332)										
					M <sub>L</sub> 3.4 / 6,										
QZN	11.6	267	LN	M <sub>S</sub> =4.2	11.0	1.04	WMQ	2.5	76	-iPn	19 17 40.0	1.4			
			LZ	M <sub>S</sub> =4.1	16.0	1.33				Pg	19 17 41.7	-1.8			
			eP	07 40 48.6	-1.4					Sg	19 18 14.0	-3.8			
WHN	12.5	328	eS	07 41 04.5	2.2					SMN	M <sub>L</sub> =3.4	0.4	0.19		
GYA	15.5	297	P	07 41 42.0	0.1					SME		0.4	0.23		
			pP	07 41 47.0	-0.5										
			S	07 44 31.0	-2.0										
XAN	18.1	323	eP	07 42 14.2	-0.7										
TIY	19.4	336	+P	07 42 30.2	-0.3										
			sS	07 46 14.0	1.1										
					OCT 27d 07h 23m 49.7 ± 0.17s, SD2.39 / 40										
					34.29 N ± 1.51km, 91.91 E ± 1.60km, h30 ± 0.13km										
					Qinghai Province (325)										
					M <sub>S</sub> 5.0 / 17, m <sub>b</sub> 4.8 / 2,										
CD2	19.7	307	eP	07 42 34.5	1.0		LSA	4.6	188	Pn	07 25 04.0	5.5			
BJI	20.5	347	eP	07 42 40.0	-1.8					Pg	07 25 13.0	1.6			
			LN	M <sub>S</sub> =4.6	13.0	0.80				Sn	07 25 54.8	2.4			
			LE			12.0				LE	M <sub>S</sub> =5.0	8.0	22.2		
			LZ	M <sub>S</sub> =4.8	13.0	2.40				GTA	8.1	49	-P	07 25 48.8	-0.1
SNY	21.7	3	eP	07 42 54.9	1.0					LE	M <sub>S</sub> =4.6	8.5	3.08		
			S	07 46 45.0	-2.4					LZ	M <sub>S</sub> =4.5	12.0	3.74		
			LN	M <sub>S</sub> =4.8	10.0	0.89	LZH	9.9	76	eP	07 26 12.5	-1.3			
			LE			12.0				PMZ	m <sub>b</sub> =4.9	2.0	0.060		
			LZ	M <sub>S</sub> =4.6	10.0	1.02				LN	M <sub>S</sub> =5.1	12.0	8.04		
HHC	22.5	339	eP	07 43 02.8	0.2					LE		10.0	5.38		
			eS	07 47 04.0	-0.1					LZ	M <sub>S</sub> =4.3	10.0	1.43		
			LN	M <sub>S</sub> =4.7	12.0	0.81	WMQ	10.1	342	P	07 26 15.5	0.0			
			LE			12.0				S	07 28 05.0	-3.2			
LZH	22.6	319	eP	07 43 04.5	1.5					LZ	M <sub>S</sub> =3.5	12.0	0.26		
			PMZ			3.0	0.12	CD2	10.5	105	P	07 26 22.7	0.6		
			LZ	M <sub>S</sub> =4.3	24.0	1.12				LN	M <sub>S</sub> =5.5	7.0	8.30		
BTO	22.9	336	eP	07 43 06.6	0.6					LE		6.0	9.30		
			pP	07 43 15.0	2.4					KSH	13.8	297	eP	07 27 06.0	0.7
			PP	07 43 35.0	0.5					eS	07 29 39.0	0.8			
			eS	07 47 11.0	0.7					LE	M <sub>S</sub> =5.5	8.0	9.70		
			LN	M <sub>S</sub> =5.0	14.0	1.90	GYA	14.9	118	P	07 27 17.8	-2.9			
			LE			11.0	1.10			pP	07 27 24.4	-3.0			
CN2	23.8	6	eP	07 43 15.5	0.9		BTO	15.7	61	eP	07 27 29.0	-1.6			
			sP	07 43 27.0	2.2					sP	07 27 40.0	-1.8			
			eS	07 47 28.0	2.0					S	07 30 20.0	-3.1			
			LN	M <sub>S</sub> =4.7	11.0	0.90				LN	M <sub>S</sub> =5.0	10.0	2.50		
			LZ	M <sub>S</sub> =4.4	16.0	0.90				LE		10.0	2.10		
MDJ	25.2	13	eP	07 43 29.0	0.5		HHC	16.9	61	eP	07 27 47.4	1.6			
			eS	07 47 51.0	0.6					S	07 30 53.3	2.5			
			LZ	M <sub>S</sub> =4.7	15.0	1.70				LN	M <sub>S</sub> =5.0	8.0	1.31		
GTA	27.1	320	eP	07 43 44.2	-2.4					LE		8.0	1.88		
					OCT 26d 11h 16m 12.5 ± 0.08s, SD1.22 / 38										
					49.32 N ± 2.54km, 156.09 E ± 2.00km, h32 ± 0.65km										
					Kurile Islands (221)										
					M <sub>S</sub> 4.9 / 2,										
MDJ	18.6	265	eP	11 20 28.0	-2.1		TIY	17.0	72	+P	07 27 48.0	1.4			
			eS	11 23 50.0	-3.8					LE	M <sub>S</sub> =4.9	9.0	2.01		
			LZ	M <sub>S</sub> =4.4	15.0	1.40				LZ	M <sub>S</sub> =4.8	14.0	3.21		
CN2	21.7	267	eP	11 21 01.6	-1.2		WHN	19.3	95	eP	07 28 14.0	-1.2			
SNY	23.8	264	eP	11 21 24.1	0.3					LZ	M <sub>S</sub> =5.1	12.0	5.40		
BJI	29.6	267	eP	11 22 16.0	-0.8		BJI	20.1	66	eP	07 28 25.5	1.1			
SSE	31.9	248	eP	11 22 39.0	1.4					LN	M <sub>S</sub> =4.9	14.0	2.69		
			LZ	M <sub>S</sub> =4.6	14.0	0.88				LZ	M <sub>S</sub> =4.7	14.0	2.35		
TIY	33.3	266	eP	11 22 49.5	-0.2		TIA	20.7	77	-P	07 28 29.9	0.0			
			LZ	M <sub>S</sub> =4.5	20.0	1.00	SNY	25.9	64	eP	07 29 19.2	-2.4			
WHN	36.5	255	eP	11 23 17.0	-0.3					S	07 33 43.0	-4.1			
LZH	39.8	271	eP	11 23 46.0	0.9					LN	M <sub>S</sub> =5.0	12.0	1.21		
GTA	40.6	278	eP	11 23 51.4	0.1					LE		11.0	0.97		
			LZ	M <sub>S</sub> =5.0	16.0	1.80				LZ	M <sub>S</sub> =4.8	12.0	1.45		
CD2	43.1	265	eP	11 24 11.7	-0.2		CN2	27.6	60	eP	07 29 38.0	1.5			
GYA	44.2	258	P	11 24 21.4	0.3					eS	07 34 15.0	0.6			
					OCT 27d 09h 50m 53.8 ± 0.08s, SD1.37 / 28										
					7.53 S ± 1.41km, 128.96 E ± 2.04km, h126 ± 0.22km										
					Timor Sea (290)										





GYA	40.1	328	P	09 58 20.0	0.7
CD2	45.2	329	P	09 59 00.6	0.1
BJI	48.8	347	eP	09 59 27.0	-1.3
LSA	51.9	317	+P	09 59 54.0	1.6
GTA	53.9	332	+P	10 00 07.0	-0.3

OCT 27d 10h 56m 11.6±0.10s, SD2.15 / 17  
 46.85 S±3.95km, 10.92 W±2.76km, h9±0.30km  
 South Atlantic Ridge (410)

GTA	130.4	72	ePKP	11 15 23.6	-0.5
TIY	137.9	81	PKP	11 15 35.0	-3.1
BJI	141.6	80	ePKP	11 15 44.0	-0.6
SNY	147.4	82	ePKP	11 15 56.6	2.0
CN2	149.5	80	ePKP	11 16 01.0	3.1

OCT 27d 15h 07m 16.9±0.10s, SD1.17 / 86  
 7.39 S±1.85km, 120.36 E±2.03km, h593±0.87km  
 Flores Sea (279)

m <sub>b</sub> 5.9 / 1, m <sub>b</sub> 5.6 / 11,					
QZN	28.2	339	+iP	15 12 26.0	0.4
GZH	31.1	347	+iP	15 12 50.5	0.8
QZH	32.2	357	+P	15 12 59.8	0.6
GYA	36.2	339	P	15 13 33.6	1.1
			pP	15 15 18.0	-2.6
			PcP	15 15 42.8	1.2
			S	15 18 30.2	-2.4
			ScP	15 18 34.2	2.7
			ScS	15 22 41.6	2.5
WHN	38.1	352	+iP	15 13 50.0	1.4

			PMZ	m <sub>b</sub> =5.4	1.2	0.14
			ScP	15 18 39.0	0.1	
			S	15 18 59.0	-2.6	
			SMN		16.0	2.27

SSE	38.3	1	-iP	15 13 50.5	0.9	
			PMZ	m <sub>b</sub> =5.5	1.0	0.12
			ScP	15 18 40.7	1.3	
			S	15 19 00.0	-3.4	
			SMN		18.0	3.16

NJ2	39.2	358	+iP	15 13 58.8	1.4	
			ScP	15 18 45.1	2.0	
CD2	41.3	338	P	15 14 14.0	0.3	
			ScP	15 18 53.6	2.5	
			iS	15 19 44.0	-3.6	

XAN	42.6	346	-iP	15 14 24.0	-0.2	
TIA	43.5	356	-P	15 14 29.8	-1.2	
TIY	45.5	351	-iP	15 14 45.6	-0.9	

			PMZ	m <sub>b</sub> =5.2	1.2	0.090
			eS	15 20 43.0	-3.8	
LZH	45.9	341	eP	15 14 51.0	0.8	

			PMZ	m <sub>b</sub> =5.7	1.5	0.35
			PcP	15 16 15.5	1.3	
			ScP	15 19 13.0	2.8	
			eS	15 20 52.0	-1.6	

			SME		2.5	0.55
LSA	46.3	324	-P	15 14 53.9	0.4	
BJI	47.3	356	eP	15 15 00.0	-0.6	

			ePcP	15 16 20.0	0.8	
			eScP	15 19 18.0	1.9	
			eS	15 21 09.0	-3.6	
			eScS	15 23 50.0	1.7	

HHC	48.7	351	-P	15 15 10.2	-0.5	
BTO	48.7	350	eP	15 15 10.0	-0.8	
SNY	49.1	3	-iP	15 15 11.6	-1.9	

			PcP	15 16 25.4	-0.2	
			epP	15 17 02.4	1.5	
			iS	15 21 30.5	-5.5	

			SMN	m <sub>b</sub> =5.9	6.5	1.81
			SME		6.0	1.12

GTA	50.3	339	-iP	15 15 22.9	0.2
			PcP	15 16 30.6	0.5
			ScP	15 19 31.0	2.4
			S	15 21 51.4	-0.3
			ScS	15 24 09.2	0.9

CN2	51.2	5	-P	15 15 26.8	-2.0
			PcP	15 16 32.6	-0.8
			epP	15 17 17.5	-0.1
			ScP	15 19 32.0	-0.3
			eS	15 21 58.0	-6.3

			ScS	15 24 14.0	-0.2
MDJ	52.4	8	-P	15 15 37.2	-0.7
WMQ	58.9	333	-iP	15 16 22.5	-0.3

			PcP	15 17 04.5	1.0
			ScP	15 20 07.8	1.4
			iS	15 23 44.0	-1.2
			ScS	15 25 10.2	-0.1

KSH	62.1	322	eP	15 16 44.0	0.4
			pP	15 18 43.0	3.6
			iS	15 24 25.0	0.4

OCT 27d 15h 11m 26.1±0.06s, SD1.75 / 8  
 42.96 N±0.64km, 84.42 E±0.39km, h23±0.20km  
 Northern Xinjiang Province (332)

M <sub>L</sub> 3.5 / 7,						
WMQ	2.5	69	Pn	15 12 08.4	1.9	
			Sg	15 12 42.0	-3.9	
			SMN	M <sub>L</sub> =3.4	0.6	0.17
			SME		0.6	0.25

OCT 27d 18h 12m 02.9±0.11s, SD3.09 / 24  
 34.43 N±1.35km, 91.77 E±1.41km, h33±0.04km  
 Qinghai Province (325)

M <sub>S</sub> 4.4 / 3,						
LSA	4.7	186	Pn	18 13 17.4	4.3	
			Pg	18 13 25.0	-1.9	
			LE	M <sub>S</sub> =4.4	8.0	5.10

GTA	8.1	50	eP	18 14 02.6	0.8
WMQ	9.9	343	eP	18 14 27.0	0.9
GYA	15.1	118	P	18 15 33.0	-2.8
TIY	17.0	73	+P	18 16 02.8	2.4

			LN	M <sub>S</sub> =4.7	13.0	1.92
BJI	20.2	67	eP	18 16 39.0	1.2	

OCT 28d 05h 15m 03.0±0.07s, SD1.04 / 48  
 51.20 N±2.92km, 176.81 W±1.34km, h46±0.97km  
 Andreanof Islands (7)

CN2	38.8	282	eP	05 22 25.0	-0.6
SNY	41.0	281	eP	05 22 45.0	1.0
BJI	46.6	284	eP	05 23 27.5	-1.7
HHC	48.9	287	eP	05 23 48.0	0.7

BTO	50.0	288	P	05 23 56.0	0.3
TIY	50.4	284	eP	05 23 58.6	0.4
WHN	53.9	275	+P	05 24 25.0	0.3
XAN	54.9	282	eP	05 24 31.6	-0.6

LZH	56.6	288	P	05 24 45.0	0.4
			pP	05 24 57.0	0.7
GTA	56.8	293	P	05 24 44.5	-1.2
CD2	60.2	283	eP	05 25 10.1	0.5

GYA	61.6	278	P	05 25 20.2	1.4
LSA	68.7	291	P	05 26 06.6	1.7

OCT 28d 06h 13m 44.8±0.10s, SD1.86 / 68  
 35.08 N±1.71km, 140.22 E±1.75km, h79±0.99km  
 Near south coast of Honshu (230)

M <sub>S</sub> 4.1 / 2,					
MDJ	12.5	323	eP	06 16 41.5	-0.4
CN2	14.3	312	eP	06 17 06.0	0.6



SNY	14.7	302	eP	06 17 11.8	2.2		
			eS	06 19 52.0	1.3		
			LE	$M_s=4.1$		18.0	0.76
			LZ	$M_s=3.9$		19.0	0.78
DL2	15.3	290	eP	06 17 22.2	4.0		
SSE	16.4	261	P	06 17 36.0	4.0		
NJ2	18.1	266	-P	06 17 53.2	1.1		
TIA	18.8	280	eP	06 17 59.6	-1.2		
BJI	19.7	292	eP	06 18 07.0	-3.3		
WHN	22.2	266	eP	06 18 37.0	1.2		
TIY	22.5	285	eP	06 18 37.2	-1.7		
HHC	23.3	293	eP	06 18 44.4	-2.0		
BTO	24.4	292	eP	06 18 58.0	0.5		
XAN	25.7	277	eP	06 19 09.3	-0.8		
LZH	29.5	283	eP	06 19 43.5	-0.8		
GYA	30.0	263	P	06 19 46.4	-2.1		
CD2	30.8	273	+iP	06 19 54.0	-1.3		
GTA	32.3	290	P	06 20 08.2	-0.4		
WMQ	40.9	299	eP	06 21 22.8	1.5		
KSH	50.4	295	eP	06 22 40.0	3.5		

OCT 28d 10h 37m  $52.0 \pm 0.13s$ , SD1.27 / 87  
 0.39 S  $\pm 2.29km$ , 122.33 E  $\pm 2.12km$ , h14  $\pm 0.32km$   
 Minahassa Peninsula (Celebes) (265)  
 $M_s 5.1 / 8$ ,  $m_b 5.8 / 4$ ,  $m_b 6.0 / 10$ ,

QZN	22.9	328	P	10 42 58.2	1.7		
GZH	24.9	340	-iP	10 43 18.5	2.1		
QZH	25.4	352	eP	10 43 22.3	1.0		
			LZ	$M_s=4.9$		18.0	3.03
GYA	30.7	332	P	10 44 10.0	1.1		
			pP	10 44 16.0	1.2		
SSE	31.3	358	-P	10 44 13.7	-0.9		
			PMZ	$m_b=6.2$		1.5	0.57
			S	10 49 26.0	6.6		
			LZ	$M_s=4.9$		20.0	2.32
KMI	31.7	325	+P	10 44 20.5	2.7		
WHN	31.7	347	-iP	10 44 20.0	2.3		
			PMZ	$m_b=5.6$		1.0	0.10
			sP	10 44 28.0	1.2		
			eS	10 49 28.0	2.2		
NJ2	32.4	354	+P	10 44 25.6	1.3		
CD2	35.8	332	P	10 44 53.2	0.0		
XAN	36.5	341	P	10 44 59.1	-0.1		
TIA	36.7	353	P	10 45 00.7	-0.5		
TIY	39.0	347	+iP	10 45 20.4	0.1		
			PMZ	$m_b=5.9$		1.1	0.21
			S	10 51 17.0	-0.7		
			LZ	$M_s=5.0$		22.0	2.68
DL2	39.1	359	eP	10 45 20.8	-0.3		
			LZ	$M_s=4.5$		34.0	1.25
LZH	40.2	337	eP	10 45 30.0	0.0		
			PMZ	$m_b=5.7$		2.5	0.36
BJI	40.6	353	eP	10 45 33.0	-0.6		
			PMZ	$m_b=5.9$		4.0	0.82
			esP	10 45 44.0	1.2		
			eScP	10 51 21.0	-2.1		
			eS	10 51 36.0	-7.0		
			LZ	$M_s=4.6$		28.0	1.13
SNY	42.0	1	+iP	10 45 44.0	-1.2		
			pP	10 45 50.0	-1.4		
			LE	$M_s=5.2$		23.0	2.55
			LZ	$M_s=4.8$		24.0	1.43
LSA	42.2	318	P	10 45 48.3	1.4		
			S	10 52 06.0	0.9		
			SMN	$m_b=5.5$		7.0	0.60
HHC	42.2	348	+iP	10 45 47.0	0.3		
			eS	10 52 06.0	-0.6		
			LN	$M_s=5.4$		22.0	3.15

			LE				
BTO	42.3	346	P	10 45 47.0	-0.6		
			pP	10 45 54.0	0.4		
			ePP	10 47 28.5	0.3		
			S	10 52 05.0	-1.9		
			LN	$M_g=5.6$		18.0	2.90
			LE			18.0	3.30
CN2	44.1	3	eP	10 46 00.0	-1.9		
			eS	10 52 37.0	3.1		
			LN	$M_g=4.9$		13.0	0.60
			LZ	$M_g=4.8$		20.0	1.30
GTA	44.7	335	+iP	10 46 06.6	-0.1		
			PMZ	$m_b=6.0$		2.0	0.51
			PcP	10 47 48.4	-0.4		
			S	10 52 40.0	-1.1		
			LZ	$M_g=4.8$		20.0	1.26
MDJ	45.3	7	+P	10 46 10.5	-1.0		
			pP	10 46 15.0	-2.7		
			eS	10 52 48.0	-3.0		
			LZ	$M_s=4.9$		30.0	2.10
WMQ	53.8	329	P	10 47 16.5	-0.5		
			S	10 54 50.0	1.4		
			LZ	$M_s=4.9$		20.0	1.18
KSH	58.0	319	P	10 47 48.0	0.7		
			S	10 55 45.0	0.4		
			LN	$M_s=5.2$		10.0	0.60

OCT 28d 13h 14m  $20.8 \pm 0.05s$ , SD2.57 / 5  
 42.42 N  $\pm 0.53km$ , 91.95 E  $\pm 0.40km$ , h9  $\pm 0.01km$   
 Southern Xinjiang Province (321)  
 $M_L 3.1 / 5$ ,

WMQ	3.4	296	ePg	13 15 21.2	-0.1		
			Sg	13 16 05.2	-2.7		
			SME	$M_L=2.9$		0.4	0.040

OCT 28d 14h 49m  $29.6 \pm 0.13s$ , SD1.06 / 62  
 16.35 S  $\pm 2.35km$ , 174.10 W  $\pm 2.16km$ , h138  $\pm 0.31km$   
 Tonga (173)  
 $m_b 5.8 / 2$ ,  $m_b 5.6 / 4$ ,

SSE	78.0	308	P	15 01 14.5	-0.4		
			PMZ	$m_b=5.0$		1.0	0.030
			sS	15 12 00.0	5.2		
			LZ			34.0	1.78
MDJ	79.4	323	-P	15 01 22.0	-0.4		
			pP	15 02 02.0	5.8		
			eS	15 11 12.0	1.3		
			sS	15 12 10.0	0.5		
			LZ			30.0	1.40
NJ2	80.2	307	-P	15 01 28.8	1.9		
CN2	81.4	320	P	15 01 32.6	-0.5		
SNY	81.5	318	-iP	15 01 34.0	0.2		
			PMZ			3.0	1.82
			sP	15 02 18.0	-4.9		
			S	15 11 34.0	2.6		
			sS	15 12 34.0	1.8		
			LN			31.0	1.52
WHN	83.1	304	+P	15 01 43.0	1.2		
TIA	83.3	311	P	15 01 43.8	0.8		
BJI	85.6	314	eP	15 01 54.0	-0.6		
			PMZ	$m_b=6.1$		4.0	0.98
			epP	15 02 30.0	1.1		
			eS	15 12 10.0	-3.9		
			esS	15 13 10.0	-3.6		
TIY	87.3	310	P	15 02 03.5	0.5		
			LZ			18.0	0.61
GYA	87.9	298	-P	15 02 07.0	1.4		
XAN	88.6	306	-iP	15 02 09.7	0.6		
HHC	89.2	313	-P	15 02 12.7	1.0		







		pP	09 14 46.4	-2.8						cS	09 23 25.0	-0.5				
		sP	09 14 51.0	-2.0						LE	$M_s=5.2$		11.0	1.60		
		LE	$M_s=5.0$		11.5	3.60				LZ	$M_s=5.1$		14.0	2.10		
LZH	17.5	57	LZ	$M_s=5.2$	12.0	7.93	MDJ	38.7	52	eP	09 18 16.0	-0.4				
			eP	09 14 54.5	-2.0					OCT 29d 09h 39m $53.2 \pm 0.15s$ , $SD2.52 / 20$ $35.12 N \pm 1.31km$ , $103.92 E \pm 1.46km$ , $h12 \pm km$ Gansu Province (322) $M_s4.1 / 1$ , $M_L4.1 / 13$ ,						
			PMZ	$m_b=5.4$	2.0	0.41				LZH	1.0	356	Pn	09 40 16.5	3.2	
			eS	09 18 13.0	3.5								Sn	09 40 28.0	-0.5	
GYA	18.8	89	SME	$m_b=5.0$	5.0	0.44							SMN	$M_L=3.5$	1.0	1.34
			LN	$M_s=5.3$	10.0	2.58							SME		1.0	0.84
			LE		10.0	4.55				CD2	4.2	182	Pg	09 41 07.8	0.2	
			LZ	$M_s=5.2$	12.0	6.49							Sg	09 42 01.8	-3.2	
XAN	20.9	67	P	09 15 11.0	-1.2					XAN	4.3	103	Pg	09 41 10.0	1.4	
			pP	09 15 16.2	-1.3								Sg	09 42 06.7	-0.1	
			S	09 18 42.0	4.6								SMN	$M_L=4.0$	0.6	0.25
			LN	$M_s=5.5$	10.0	4.50							SME		0.6	0.24
			LE		10.0	5.20				GTA	5.4	324	Pn	09 41 14.2	0.1	
BTO	23.8	51	+iP	09 15 34.4	-1.1								Pg	09 41 33.4	-5.0	
			LE	$M_s=5.4$	8.0	3.73							Sg	09 42 43.8	1.7	
			P	09 16 04.0	0.0								SMN	$M_L=3.4$	0.8	0.040
			pP	09 16 10.0	-0.3								SME		0.8	0.040
			S	09 20 16.0	1.2					TIY	7.3	67	Pn	09 41 36.9	-3.8	
			sS	09 20 25.5	-0.6								Pg	09 42 07.5	4.9	
			LN	$M_s=5.5$	12.0	0.90							Sg	09 43 40.9	-2.0	
			LE		12.0	6.60							SMN	$M_L=4.1$	0.8	0.060
QZN	23.9	106	P	09 16 06.9	2.3								SME		0.8	0.090
TIY	24.5	59	+iP	09 16 12.0	0.6					HHC	8.3	44	Pg	09 42 21.2	1.0	
			PMZ	$m_b=5.0$	0.8	0.040							Sg	09 44 11.2	-2.2	
			PP	09 16 45.5	-1.0								SME	$M_L=4.4$	0.6	0.10
			eS	09 20 31.0	2.2					GYA	9.0	164	P	09 42 07.0	1.2	
			LN	$M_s=5.3$	13.0	4.48							SMN	$M_L=4.7$	1.4	0.10
			LZ	$M_s=5.1$	20.0	5.98							SME		1.4	0.18
HHC	25.0	52	+P	09 16 17.0	1.6					WHN	9.9	115	eP	09 42 19.0	0.5	
			pP	09 16 22.5	0.8					NJ2	12.8	100	-P	09 42 56.0	-2.5	
			S	09 20 39.0	4.1					OCT 29d 15h 37m $01.9 \pm 0.07s$ , $SD1.66 / 12$ $5.15 N \pm 0.84km$ , $126.82 E \pm 1.58km$ , $h35 \pm 0.38km$ Talaud Islands (263)						
			SME	$m_b=5.2$	8.0	0.58				BJI	36.0	346	eP	15 44 02.5	0.2	
			LN	$M_s=5.3$	11.0	2.49				SNY	36.6	356	eP	15 44 05.6	-1.7	
			LE		12.0	2.09				OCT 30d 07h 58m $54.9 \pm 0.08s$ , $SD1.04 / 26$ $7.58 S \pm 1.37km$ , $115.12 E \pm 1.55km$ , $h250 \pm 0.11km$ Bali region (283)						
WHN	25.2	77	eP	09 16 19.0	1.3					GYA	34.8	347	P	08 05 25.4	1.0	
			sP	09 16 28.0	0.7					WHN	37.9	359	eP	08 05 51.8	1.6	
			LZ	$M_s=5.1$	12.0	3.03				CD2	39.8	345	+iP	08 06 06.4	0.7	
TIA	27.9	65	eP	09 16 43.0	0.4					XAN	41.8	352	eP	08 06 22.1	-0.1	
			eS	09 21 26.0	2.0					CN2	52.0	9	eP	08 07 39.3	-1.7	
			LN	$M_s=5.1$	12.0	0.95				OCT 30d 09h 32m $41.6 \pm 0.05s$ , $SD0.68 / 59$ $60.57 N \pm 0.99km$ , $152.47 W \pm 0.54km$ , $h86 \pm 0.62km$ Southern Alaska (2)						
			LE		12.0	1.70				MDJ	47.0	287	eP	09 41 07.0	0.7	
			LZ	$M_s=4.9$	19.0	2.80				SNY	51.9	289	+P	09 41 44.8	0.5	
BJI	28.0	56	+P	09 16 44.5	1.1					BJI	56.8	293	eP	09 42 19.0	-0.5	
			eS	09 21 32.0	6.6					HHC	58.2	297	-P	09 42 30.0	0.5	
			LN	$M_s=5.4$	12.0	3.02				BTO	59.0	298	P	09 42 35.8	0.2	
			LE		13.0	2.13				TIY	60.3	295	-iP	09 42 44.8	0.3	
			LZ	$M_s=5.0$	16.0	2.93				NJ2	62.0	286	-P	09 42 55.8	0.0	
NJ2	29.1	73	+P	09 16 53.5	0.7					GTA	64.3	305	+iP	09 43 10.8	-0.3	
SSE	31.1	75	P	09 17 11.6	0.8					XAN	65.0	295	P	09 43 14.4	-0.8	
			PMZ	$m_b=5.0$	0.7	0.020				WMQ	65.0	316	-iP	09 43 16.8	1.1	
			PcS	09 23 50.0	1.5					WHN	65.4	289	-P	09 43 18.0	0.0	
			ScS	09 27 40.0	-2.0					LZH	65.5	300	P	09 43 18.0	-0.5	
			LN	$M_s=5.3$	11.0	1.30										
			LE		11.0	2.09										
			LZ	$M_s=5.2$	12.0	3.16										
DL2	31.9	60	eP	09 17 19.0	1.2											
			LN	$M_s=5.4$	15.0	2.70										
			LE		15.0	3.20										
SNY	33.9	56	+iP	09 17 35.4	0.2											
			eS	09 23 04.0	6.0											
			LN	$M_s=5.3$	16.0	1.64										
			LE		14.0	1.98										
			LZ	$M_s=5.1$	12.0	2.30										
CN2	35.6	53	+P	09 17 50.1	-0.4											
			sP	09 17 58.8	-1.4											



