

Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μ m)
NOV 1d 02h 51m 12.6 \pm 0.04s, SD1.41 / 211 1.23 N \pm 0.67km, 122.12 E \pm 0.96km, h37 \pm 0.04km Minahassa Peninsula (Celebes) (265) M_S 5.5 / 56, m_B 5.8 / 31, m_b 5.6 / 85															
QZN	21.4	327	-iP	02 55 59.0	-0.5			XAN	34.9	341	ipP	02 58 07.5	-0.1		
			PMZ	$m_b = 5.7$		1.3	0.45				PP	02 59 11.5	-1.1		
			PMZ	$m_B = 5.7$		4.0	1.57				P	02 58 02.5	-0.7		
			iS	02 59 54.0	4.0						PMZ	$m_B = 5.7$		7.0	0.92
			LN	$M_S = 5.2$		12.5	2.07				pP	02 58 14.0	0.9		
			LE			17.5	4.93	TIA	35.1	353	PP	02 59 20.0	-0.9		
GZH	23.3	339	+iP	02 56 19.6	0.9						S	03 03 31.0	0.6		
			PMZ	$m_b = 5.0$		1.1	0.070				LN	$M_S = 5.6$		14.0	4.96
			PMZ	$m_B = 5.7$		7.0	2.47				LE			15.0	1.69
			LN	$M_S = 5.3$		13.0	2.76				eP	02 58 05.0	0.0		
			LE			16.0	4.98				PMZ	$m_b = 5.1$		1.8	0.064
			LZ	$M_S = 5.3$		18.0	8.11	TIY	37.4	347	S	03 03 34.0	0.3		
QZH	23.8	352	-P	02 56 23.5	0.1						LN	$M_S = 5.6$		20.0	7.37
			PMZ	$m_b = 5.8$		1.7	0.71				LZ	$M_S = 5.4$		22.0	6.97
			sP	02 56 34.0	-3.2						eP	02 58 23.8	-0.5		
			S	03 00 33.0	0.1						PMZ	$m_b = 5.7$		1.2	0.15
			LE	$M_S = 5.3$		15.0	5.15				PMZ	$m_B = 6.0$		6.0	1.67
			LZ	$M_S = 5.4$		18.0	11.5	DL2	37.5	359	PP	02 59 48.0	-4.0		
GYA	29.2	331	P	02 57 13.0	-0.1						S	03 04 15.0	6.4		
			PMZ	$m_b = 5.1$		1.6	0.065				LN	$M_S = 5.6$		17.0	6.36
			PMZ	$m_B = 5.9$		4.0	0.87				LZ	$M_S = 5.6$		18.0	9.01
			pP	02 57 24.0	1.3						P	02 58 25.0	-0.1		
			sP	02 57 28.0	1.1						PMZ	$m_b = 5.2$		1.3	0.051
			PP	02 58 06.0	-1.3						PMZ	$m_B = 5.0$		4.0	0.093
			S	03 02 03.0	2.4						pP	02 58 37.0	2.0		
			ScP	03 04 01.0	4.3						S	03 04 10.0	-0.3		
			ScS	03 07 52.0	2.5						LN	$M_S = 5.6$		17.0	3.03
			LN	$M_S = 5.5$		18.0	5.75				LE			19.0	5.22
			LE			18.0	6.37				LZ	$M_S = 5.1$		20.0	3.36
			LZ	$M_S = 5.3$		20.0	7.82	LZH	38.6	336	eP	02 58 35.0	0.4		
SSE	29.7	358	+P	02 57 17.5	-0.4						PMZ	$m_b = 5.4$		2.0	0.12
			PMZ	$m_b = 5.4$		1.5	0.10				PMZ	$m_B = 5.7$		5.0	0.61
			pP	02 57 30.0	2.3						pP	02 58 47.0	2.7		
			LN	$M_S = 5.6$		17.0	6.50				sP	02 58 53.0	4.4		
			LE			17.0	4.90	BJI	39.0	353	eP	02 58 37.5	-0.2		
			LZ	$M_S = 5.5$		20.0	10.1				PMZ	$m_b = 5.8$		1.6	0.23
WHN	30.1	347	+P	02 57 22.0	1.0						PMZ	$m_B = 5.8$		5.0	0.78
			PMZ	$m_b = 5.7$		2.0	0.27				esP	02 58 50.0	-2.0		
			PMZ	$m_B = 5.6$		6.0	0.68				ePP	03 00 12.0	0.7		
			isP	02 57 36.5	1.3						eS	03 04 36.0	1.9		
			S	03 02 21.0	5.9						eScS	03 08 43.5	2.2		
			LN	$M_S = 5.6$		16.0	7.28				LN	$M_S = 5.3$		15.0	2.45
			LE			16.0	3.88				LZ	$M_S = 5.3$		24.0	5.77
KMI	30.3	323	eP	02 57 25.0	2.1			SNY	40.4	2	-P	02 58 48.5	-1.1		
			pP	02 57 35.0	2.5						PMZ	$m_b = 5.9$		1.4	0.27
			PP	02 58 25.0	3.5						PMZ	$m_B = 6.0$		5.0	1.36
			S	03 02 22.0	4.1						pP	02 59 00.0	0.5		
			LN	$M_S = 4.9$		15.0	1.40				LN	$M_S = 5.5$		16.0	2.81
			LE			9.0	0.50				LE			16.0	3.27
			LZ	$M_S = 5.2$		16.0	3.90				LZ	$M_S = 5.5$		21.0	7.78
NJ2	30.8	355	-P	02 57 27.5	-0.1			HHC	40.6	348	-P	02 58 51.0	0.1		
			PMZ	$m_b = 5.2$		1.0	0.044				PMZ	$m_b = 5.7$		1.3	0.16
			PMZ	$m_B = 5.8$		5.0	0.91				pP	02 59 00.0	-0.7		
			sP	02 57 42.0	0.4						PP	03 00 22.0	-5.8		
			S	03 02 27.0	0.3						LN	$M_S = 5.7$		18.0	5.87
			LN	$M_S = 5.2$		14.0	2.75				LE			18.0	4.20
			LE			10.0	0.58				LZ	$M_S = 5.7$		20.0	9.96
			LZ	$M_S = 5.2$		18.0	4.41	BTO	40.7	346	P	02 58 51.8	-0.1		
CD2	34.3	331	-P	02 57 57.2	-0.6						PMZ	$m_b = 5.6$		1.4	0.14
			PMZ	$m_b = 5.9$		1.2	0.21				sP	02 59 05.0	-1.0		
											PP	03 00 28.5	-0.5		
											S	03 04 57.5	-1.0		
											LN	$M_S = 5.8$		20.0	9.15
											LE			16.0	2.85



LSA	40.9	317	P	02 58	55.0	1.4		
			pP	02 59	06.0	3.0		
			S	03 05	07.5	6.6		
			SMN				4.0	0.57
			LN		$M_s=5.2$		14.0	1.84
CN2	42.5	4	eP	02 59	04.6	-1.9		
			PMZ		$m_b=5.6$		1.6	0.14
			PMZ		$m_B=5.8$		4.0	0.61
			epP	02 59	16.0	-0.5		
			eScP	03 04	48.0	2.9		
			eScS	03 09	02.0	0.1		
			LN		$M_s=5.4$		17.0	2.73
			LE				17.0	1.92
GTA	43.1	335	-iP	02 59	11.2	-0.5		
			PMZ		$m_b=5.8$		1.0	0.14
			PMZ		$m_B=5.8$		5.0	0.82
			pP	02 59	24.4	2.8		
			sP	02 59	31.0	5.2		
			PP	03 00	56.0	2.0		
			ScP	03 04	50.0	2.4		
			S	03 05	30.0	-4.0		
WMQ	52.3	329	sS	03 05	50.0	-1.7		
			SS	03 08	42.0	0.5		
			ScS	03 09	07.0	1.3		
			LE		$M_s=5.5$		15.0	3.29
			LZ		$M_s=5.5$		18.0	5.82
			P	03 00	23.5	0.3		
			PMZ		$m_b=5.4$		1.2	0.064
			pP	03 00	32.0	-1.3		
			sP	03 00	35.2	-2.3		
			PP	03 02	28.0	6.3		
			iS	03 07	50.0	5.3		
			LN		$M_s=5.5$		15.0	2.15
			LZ		$M_s=5.3$		25.0	3.55

WHN	88.2	307	PMZ		$m_B=6.7$			
			PP	16 39	22.0	-2.6		
			S	16 46	28.0	-6.3		
			SS	16 52	10.0	-6.4		
			LN		$M_s=6.5$		20.0	9.86
			LE				20.0	5.44
			LZ		$M_s=6.3$		20.0	12.1
			+P	16 36	13.5	-0.3		
			PMZ		$m_b=6.8$		2.4	1.67
			PMZ		$m_B=6.5$		8.0	3.20
MDJ	88.5	326	sP	16 36	29.5	5.2		
			SKS	16 46	36.0	-1.9		
			S	16 46	55.0	0.7		
			LN		$M_s=6.6$		26.0	10.0
			LE				21.0	11.5
			LZ		$M_s=6.3$		26.0	15.5
			eP	16 36	14.0	-0.9		
			PMZ		$m_b=6.3$		1.0	0.23
			PMZ		$m_B=6.8$		6.0	4.68
			pP	16 36	21.0	-1.3		
DL2	88.8	317	LN		$M_s=6.5$		18.5	6.32
			LE				18.0	6.80
			LZ		$M_s=6.8$		20.0	33.6
			P	16 36	17.0	0.5		
			PMZ		$m_b=5.6$		1.0	0.041
			PMZ		$m_B=6.6$		8.0	3.54
			SKS	16 46	37.0	-4.4		
			S	16 46	56.0	-3.6		
			LN		$M_s=6.9$		25.0	16.8
			LE				25.0	26.3
SNY	89.6	320	LZ		$M_s=6.5$		28.0	23.0
			+iP	16 36	19.0	-1.5		
			PMZ		$m_b=6.5$		1.3	0.39
			PMZ		$m_B=6.5$		8.0	2.50
			PP	16 39	50.0	-3.8		
			SKS	16 46	41.0	-5.5		
			SS	16 53	06.0	-1.4		
			LN		$M_s=6.5$		21.0	8.00
			LE				24.0	10.0
			LZ		$M_s=6.4$		28.0	21.9
CN2	90.0	323	+iP	16 36	21.0	-1.1		
			PMZ		$m_b=6.6$		1.0	0.43
			PMZ		$m_B=6.8$		5.0	3.00
			eS	16 47	09.0	-3.2		
			LN		$M_s=6.4$		18.0	5.60
			LE				18.0	4.52
			LZ		$M_s=6.8$		18.0	30.0
			P	16 36	29.4	0.3		
GYA	91.5	300	PMZ		$m_b=6.5$		1.4	0.41
			PMZ		$m_B=6.7$		6.0	2.51
			PP	16 40	08.0	0.5		
			SKS	16 46	52.0	-5.3		
			LN		$M_s=6.4$		18.0	5.75
			LE				18.0	4.25
			LZ		$M_s=6.2$		26.0	12.4
			eP	16 36	34.5	-0.6		
BJI	92.8	315	PMZ		$m_b=6.2$		1.5	0.18
			PMZ		$m_B=6.5$		8.0	2.07
			eSKS	16 47	00.0	-4.8		
			eS	16 47	40.0	3.0		
			LN		$M_s=6.4$		22.0	8.94
			LZ		$M_s=6.6$		28.0	29.9
			+P	16 36	39.0	-0.5		
			PMZ		$m_b=6.5$		1.2	0.26
TIY	93.7	312	PMZ		$m_B=6.2$		10.0	0.98
			SKS	16 47	10.0	-0.1		
			S	16 47	50.0	6.5		
			SS	16 54	08.0	1.9		

NOV 1d 16h 23m $21.9 \pm 0.03s$, SD1.16 / 523
 $30.19 S \pm 1.10km$, $177.97 W \pm 0.98km$, $h21 \pm 0.11km$
 Kermadec Islands (178)
 $M_s 6.4 / 57$, $m_B 6.6 / 44$, $m_b 6.3 / 96$

QZH	81.9	305	+P	16 35	41.0	-1.0		
			PMZ		$m_b=6.5$		1.8	0.94
			PMZ		$m_B=6.4$		7.0	2.78
			LE		$M_s=6.2$		20.0	5.96
			LZ		$M_s=6.1$		20.0	9.33
SSE	84.0	311	+iP	16 35	52.5	-0.4		
			PMZ		$m_b=5.6$		1.4	0.082
			PMZ		$m_B=6.4$		8.0	2.80
			SKS	16 46	09.0	-1.0		
			sS	16 46	32.0	4.8		
			LN		$M_s=6.6$		23.0	13.0
			LE				23.0	14.9
			LZ		$M_s=6.6$		24.0	29.6
GZH	84.6	300	+iP	16 35	56.0	0.2		
			PMZ		$m_b=5.8$		1.3	0.11
			PMZ		$m_B=6.5$		8.0	3.58
			S	16 46	20.0	0.9		
			LN		$M_s=6.6$		16.0	2.06
			LE				22.0	17.6
			LZ		$M_s=6.2$		23.0	12.4
			+iP	16 35	58.0	0.3		
QZN	84.9	295	PMZ		$m_b=5.9$		1.0	0.12
			PMZ		$m_B=6.4$		8.0	3.00
			iS	16 46	22.0	-2.4		
			LN		$M_s=6.3$		15.0	3.75
			LE				16.0	4.53
			+iP	16 36	03.0	-0.6		
			PMZ		$m_b=6.0$		1.5	0.19

				LE							
KMI	93.8 297	LN	$M_s = 6.4$	23.0	9.00						
		LE		24.0	1.02						
		LZ	$M_s = 6.4$	22.0	15.4						
		+P	16 36 40.0	0.3			NOV 1d 16h 32m $53.2 \pm 0.04s$, SD1.47 / 45				
		PMZ	$m_b = 6.3$	1.5	0.21	30.40 S $\pm 0.71km$, 177.73 W $\pm 1.07km$, h10 $\pm 0.25km$					
		PMZ	$m_B = 6.6$	6.0	1.50	Kermadec Islands (178)					
		pP	16 36 49.5	2.7			$m_b 5.6 / 11$,				
XAN	94.0 307	LN	$M_s = 5.9$	20.0	1.80	NJ2	86.4 310 -P	16 45 37.0	-1.0		
		LE		20.0	1.60	CN2	90.3 323 eP	16 45 54.0	-2.5		
		LZ	$M_s = 6.3$	34.0	20.0			PMZ	$m_b = 5.2$	1.0 0.017	
		P	16 36 41.0	0.3			NOV 1d 16h 52m $55.6 \pm 0.02s$, SD0.99 / 109				
		PMZ	$m_b = 5.9$	1.5	0.089			46.61 N $\pm 1.16km$, 152.82 E $\pm 0.69km$, h43 $\pm 0.38km$			
		PMZ	$m_B = 6.5$	9.0	1.89			Kurile Islands (221)			
		pP	16 36 50.0	2.1			MDJ	16.4 271 eP	16 56 45.0	0.9	
CD2	96.0 302	sP	16 36 54.5	3.4			PMZ	$m_b = 4.6$	0.7 0.019		
		SKS	16 47 13.0	1.5			SNY	21.4 268 eP	16 57 41.6	-0.7	
		S	16 47 49.0	3.2			PMZ	$m_b = 4.8$	0.6 0.026		
		LN	$M_s = 6.5$	18.0	5.00			BJI	27.3 269 eP	16 58 39.5	1.1
		LE		18.0	7.37			TIY	30.9 268 eP	16 59 11.8	0.5
		eP	16 36 50.0	0.2			WHN	33.7 255 eP	16 59 34.5	-0.7	
		PMZ	$m_b = 6.6$	1.4	0.21			XAN	35.3 265 P	16 59 48.6	-0.4
HHC	96.1 314	PMZ	$m_B = 6.8$	7.0	1.90			PMZ	$m_b = 4.7$	0.8 0.010	
		PP	16 40 42.5	-1.0			LZH	37.7 272 -iP	17 00 09.8	0.5	
		SKS	16 47 20.0	-2.4			PMZ	$m_b = 5.2$	1.5 0.054		
		LE	$M_s = 6.5$	20.0	8.88			GTA	38.8 279 -iP	17 00 18.4	-0.1
		LZ	$M_s = 6.2$	28.0	10.3			PMZ	$m_b = 4.8$	1.0 0.017	
		+P	16 36 50.0	-0.3			pP	17 00 30.0	0.7		
		PMZ	$m_b = 6.1$	1.0	0.045			sP	17 00 37.0	2.9	
BTO	96.9 313	PMZ	$m_B = 6.6$	9.0	1.47			CD2	40.7 265 -iP	17 00 34.8	0.9
		PP	16 40 45.0	0.6			PMZ	$m_b = 5.3$	0.8 0.038		
		SKS	16 47 21.0	-1.9			GYA	41.5 257 P	17 00 41.2	0.4	
		S	16 48 09.0	5.4			PMZ	$m_b = 4.8$	1.0 0.014		
		LN	$M_s = 6.7$	23.0	7.37			LSA	50.1 273 +P	17 01 49.5	0.2
		LE		25.0	14.8			PMZ	$m_b = 5.2$	0.7 0.020	
		LZ	$M_s = 6.7$	30.0	41.2			NOV 1d 19h 40m $44.9 \pm 0.03s$, SD0.85 / 67			
LZH	98.6 307	P	16 36 53.0	-1.1			9.29 S $\pm 0.41km$, 154.20 E $\pm 0.62km$, h38 $\pm 0.11km$				
		PMZ	$m_B = 6.6$	9.0	1.15			D'Entrecasteaux Islands region (194)			
		LN	$M_s = 6.8$	25.0	16.0			$m_b 5.0 / 15$,			
		LE		24.0	17.5			NJ2	53.2 322 -P	19 50 02.5	0.3
		LZ	$M_s = 6.6$	24.0	23.0			WHN	55.1 318 eP	19 50 17.0	1.2
		eP	16 37 02.0	0.2			pP	19 50 29.0	2.7		
		PMZ	$m_b = 6.2$	2.0	0.095			CN2	58.9 336 eP	19 50 43.2	-0.2
GTA	103.0 308	PMZ	$m_B = 6.5$	8.0	0.84			PMZ	$m_b = 4.8$	1.0 0.011	
		sP	16 37 15.0	3.0			BJI	60.4 327 eP	19 50 53.0	-0.3	
		PP	16 41 02.0	-1.7			XAN	60.8 317 P	19 50 55.2	-1.2	
		SKS	16 47 34.0	-2.2			TIY	60.9 323 eP	19 50 56.5	-0.5	
		eS	16 48 24.0	-2.9			CD2	62.7 312 eP	19 51 09.0	-0.1	
		SS	16 55 14.0	-0.2			HHC	63.5 325 eP	19 51 15.0	0.8	
		LE	$M_s = 6.4$	23.0	7.90			BTO	64.2 324 eP	19 51 18.6	-0.3
WMQ	113.1 308	LZ	$M_s = 6.5$	26.0	19.8			LZH	65.4 317 +iP	19 51 27.0	0.2
		-P	16 37 21.4	-0.2			PMZ	$m_b = 5.3$	1.5 0.054		
		pP	16 37 30.0	1.1			pP	19 51 33.5	-3.7		
		PP	16 41 36.0	-1.8			sP	19 51 37.0	-4.5		
		SKS	16 47 56.0	-1.4			GTA	69.9 318 P	19 51 55.0	0.2	
		S	16 49 08.0	6.2			PMZ	$m_b = 4.7$	1.0 0.0090		
		LE	$M_s = 6.6$	18.0	8.14			pP	19 52 01.0	-4.2	
KSH	120.2 301	LZ	$M_s = 6.3$	24.0	10.9			sP	19 52 06.2	-3.4	
		+Pdif	16 38 08.0	2.2			WMQ	80.0 318 P	19 52 53.0	0.3	
		PP	16 42 48.0	-4.3			PMZ	$m_b = 5.0$	2.5 0.044		
		PPMZ		20.0	2.64			NOV 2d 15h 26m $56.4 \pm 0.04s$, SD1.37 / 118			
		LN	$M_s = 6.3$	12.0	1.26			11.30 N $\pm 0.67km$, 126.14 E $\pm 0.90km$, h40 $\pm 0.11km$			
		LE		14.0	2.38			Leyte (256)			
		LZ	$M_s = 6.4$	28.0	14.5			$M_s 4.8 / 41$, $m_b 5.3 / 12$, $m_b 4.8 / 47$			
KSH	120.2 301	PKP	16 42 14.0	1.3			GZH	16.9 316 eP	15 30 52.0	0.1	
		PP	16 43 44.0	3.2			LN	$M_s = 4.8$	16.0 1.70		
		eSKS	16 49 24.0	4.2							
SKKS	16 50 34.0	2.8									
LN	$M_s = 6.4$	16.0	2.30								



								23.37 N ± 0.86km, 121.81 E ± 1.07km, h17 ± 0.30km Taiwan region M _s 4.2 / 12, M _L 4.3 / 10, m _b 4.5 / 16 (243)	
XAN	7.1 35	LZ	M _s =4.2	8.0	3.00	QZH	3.3 299	-iPn	04 18 05.5 -0.4
		Pn	00 04 10.0	1.8				SMN	M _L =4.2 1.0 0.94
		Sn	00 05 25.7	-3.7				SME	1.0 0.52
		Sg	00 06 15.0	6.7				SSE	7.7 356 P 04 19 07.5 -1.1
		SMN	M _L =5.1	1.0	0.90			PMZ	m _b =4.2 1.0 0.012
		SME		1.0	0.65			SMN	M _L =4.1 1.0 0.045
		LN	M _s =4.8	9.0	3.85			SME	1.0 0.079
		LE		8.0	3.89			LE	M _s =4.2 6.0 0.90
LZH	7.8 359	ePn	00 04 20.0	2.4				LZ	M _s =3.4 20.0 0.50
		eSn	00 05 43.0	-3.1				GZH	7.8 270 P 04 19 09.5 -0.2
		SMN		2.0	0.54			SMN	M _L =4.7 1.0 0.34
		SME		2.0	0.55			SME	1.0 0.10
		LE	M _s =4.5	8.0	2.19			NJ2	9.0 344 +P 04 19 25.0 -2.0
		LZ	M _s =4.1	10.0	1.28			SMN	
WHN	9.3 74	P	00 04 41.0	0.2				SME	
		PMZ	m _b =5.5	0.5	0.063			LE	M _s =4.3 7.0 0.99
		pP	00 04 48.0	0.4				WHN	9.8 319 eP 04 19 34.0 -3.0
		S	00 06 19.0	-5.9				PMZ	m _b =5.0 0.5 0.025
		SMN		1.0	0.21			pP	04 19 39.2 -3.6
		SME		1.0	0.37			SMN	
		LE	M _s =4.5	9.0	2.04			SME	
GZH	9.9 120	P	00 04 47.5	-1.7				LN	M _s =4.3 10.0 1.10
		PMZ	m _b =5.1	0.8	0.044			LE	8.0 0.55
		S	00 06 37.0	-2.8				QZN	12.0 251 eP 04 20 07.6 0.3
		SMN		1.6	0.57			XAN	15.5 316 eP 04 20 54.7 0.7
		SME		1.6	0.30			LN	M _s =4.8 4.0 0.70
		LN	M _s =4.6	6.0	1.16			LE	5.0 0.59
		LE		6.0	1.22			TIY	16.4 333 eP 04 21 10.0 4.5
QZN	10.7 149	eP	00 04 55.3	-4.7				LN	M _s =4.1 7.0 0.31
		eS	00 07 02.8	3.4				PMZ	m _b =4.3 1.5 0.020
		LN	M _s =4.6	9.5	1.21			HHC	19.4 336 eP 04 21 41.9 -1.0
		LE		10.0	2.16			BTO	19.8 333 eP 04 21 47.0 -0.4
LSA	11.4 280	+P	00 05 07.8	-2.3				LN	M _s =4.1 10.0 0.19
GTA	11.6 344	P	00 05 15.3	2.2				LE	10.0 0.23
		LE	M _s =4.5	12.0	1.82			LZH	20.1 313 eP 04 21 45.0 -4.9
		LZ	M _s =4.4	6.0	0.86			PMZ	m _b =4.3 1.6 0.023
TIY	11.7 35	eP	00 05 12.0	-2.6				LN	M _s =4.2 6.0 0.25
		LN	M _s =4.3	11.0	1.16			LZ	M _s =4.0 12.0 0.35
		LZ	M _s =4.1	12.0	0.96			GTA	24.6 316 P 04 22 36.0 1.2
BTO	13.2 20	eP	00 05 32.5	-2.0				PMZ	m _b =4.1 1.0 0.0070
		LN	M _s =4.4	10.0	0.66			PP	04 23 16.4 6.4
		LE		9.0	0.81			LN	M _s =4.5 5.0 0.27
TIA	13.6 51	eP	00 05 36.3	-3.0				LZ	M _s =4.1 18.0 0.47
		LE	M _s =4.3	10.0	0.86			NOV 3d 05h 39m 04.4 ± 0.04s, SD1.89 / 22 40.12 N ± 0.61km, 73.05 E ± 0.55km, h12 ± 0.20km Kirgiziya (716) M _L 3.9 / 2, m _b 4.6 / 10,	
HHC	14.0 24	P	00 05 43.2	-1.1				WMQ	11.5 67 P 05 41 50.7 -1.4
		eS	00 08 14.6	-4.6				SMN	
		SMN		1.3	0.053			SME	
		SME		1.4	0.10			GTA	20.6 83 +P 05 43 48.7 2.5
		LN	M _s =4.6	5.0	0.47			PMZ	m _b =4.4 0.8 0.015
		LE		8.0	1.08			pP	05 43 56.2 4.8
		LZ	M _s =4.1	16.0	0.95			sP	05 43 59.0 4.4
BJI	15.4 37	eP	00 06 03.5	0.4				NOV 3d 17h 37m 47.6 ± 0.05s, SD1.45 / 47 16.51 S ± 1.90km, 174.03 W ± 1.27km, h32 ± 0.19km Tonga (173) M _s 5.1 / 1, m _b 5.2 / 15,	
		PMZ	m _b =4.0	1.0	0.0070			CN2	81.5 320 eP 17 50 02.1 -2.2
		LN	M _s =4.2	10.0	0.52			PMZ	m _b =4.6 0.8 0.0060
		LZ	M _s =3.8	12.0	0.36			epP	17 50 12.5 -1.2
WMQ	20.3 324	eP	00 07 01.4	-0.8				TIY	87.5 310 +P 17 50 34.2 0.0
		LZ	M _s =4.1	14.0	0.59				
SNY	20.9 45	eP	00 07 07.6	-0.6					
		PMZ	m _b =4.2	1.0	0.012				
CN2	23.1 42	eP	00 07 32.0	1.4					
		PMZ	m _b =4.3	0.8	0.011				
		epP	00 07 42.0	2.6					
		eS	00 11 30.0	-5.8					
		LN	M _s =4.2	10.0	0.23				
		LE		10.0	0.24				
		LZ	M _s =4.5	12.0	0.90				
NOV 3d 04h 17m 14.2 ± 0.07s, SD2.22 / 48									

GYA	88.0	298	P	17 50 37.0	0.2		
HHC	89.3	313	eP	17 50 43.0	0.0		
LZH	93.4	307	P	17 50 59.0	-2.9		
			PMZ	$m_b = 5.2$		1.5	0.017
			LE	$M_S = 5.1$		9.0	0.20

NOV 3d 18h 14m $13.8 \pm 0.06s$, SD1.34 / 86
 6.97 S $\pm 0.81km$, 155.01 E $\pm 0.88km$, h65 $\pm 0.36km$
 Solomon Islands (193)
 $M_S 5.4 / 1$, $m_b 4.9 / 20$,

NJ2	51.9	320	eP	18 23 18.0	-0.5		
WHN	53.9	316	eP	18 23 31.0	-2.6		
TIA	55.8	323	eP	18 23 45.4	-1.4		
GYA	57.5	307	P	18 24 00.0	1.0		
			PMZ	$m_b = 4.8$		1.0	0.013
TIY	59.6	322	eP	18 24 12.7	-1.1		
			LZ	$M_S = 4.8$		18.0	0.61
XAN	59.7	316	P	18 24 13.0	-1.6		
KMI	60.0	304	+P	18 24 17.5	0.5		
			PMZ	$m_b = 5.2$		1.5	0.050
			LN	$M_S = 5.4$		11.0	0.50
			LE			12.0	1.00
			LZ	$M_S = 5.4$		20.0	2.60
CD2	61.8	310	eP	18 24 29.3	0.4		
			PMZ	$m_b = 5.2$		0.8	0.026
HHC	62.1	324	eP	18 24 30.8	0.0		
BTO	62.8	323	eP	18 24 35.8	-0.1		
LZH	64.3	316	eP	18 24 46.2	0.7		
			PMZ	$m_b = 5.1$		1.2	0.027
			LZ	$M_S = 4.3$		22.0	0.20
LSA	71.3	304	+iP	18 25 29.7	0.4		
WMQ	78.8	317	P	18 26 11.8	-0.4		

NOV 4d 01h 50m $31.1 \pm 0.04s$, SD1.22 / 351
 30.69 N $\pm 0.95km$, 50.23 E $\pm 0.51km$, h38 $\pm 0.06km$
 Western Iran (347)
 $M_S 5.7 / 58$, $m_b 5.9 / 26$, $m_b 5.3 / 108$

KSH	22.7	60	+P	01 55 34.0	2.7		
			LN	$M_S = 6.0$		12.0	16.8
			LE			12.0	21.2
WMQ	32.3	56	+iP	01 56 59.5	0.3		
			PMZ	$m_b = 5.4$		0.8	0.046
			S	02 02 13.0	4.8		
			LN	$M_S = 5.7$		10.0	6.39
			LZ	$M_S = 5.6$		14.0	8.51
LSA	35.2	81	P	01 57 26.4	1.4		
			LN	$M_S = 5.2$		10.0	1.47
GTA	41.1	64	+iP	01 58 14.8	1.4		
			PMZ	$m_b = 5.6$		1.0	0.094
			PMZ	$m_b = 5.8$		7.0	1.17
			pP	01 58 19.6	-3.8		
			PP	01 59 56.0	4.7		
			ScP	02 03 59.4	1.7		
			PcS	02 04 02.0	-0.1		
			S	02 04 24.0	1.6		
			LN	$M_S = 5.7$		10.0	3.62
			LZ	$M_S = 5.4$		18.0	4.95
LZH	44.6	68	+iP	01 58 43.0	0.7		
			PMZ	$m_b = 5.6$		2.0	0.19
			PMZ	$m_b = 5.9$		6.0	0.98
			pP	01 58 47.5	-4.9		
			sP	01 58 54.5	-2.2		
CD2	45.6	75	eP	01 58 50.0	0.0		
			PMZ	$m_b = 5.7$		8.0	0.87
			PP	02 00 40.1	3.3		
			eS	02 05 30.1	0.8		
			SS	02 08 41.5	-3.0		
			LN	$M_S = 5.6$		12.0	3.07

KMI	46.4	83	LZ	$M_S = 5.4$		24.9	3.51
			-P	01 58 56.5	0.0		
			PMZ	$m_b = 5.8$		1.9	0.26
			PMZ	$m_b = 5.7$		3.5	0.40
			sP	01 59 07.0	-3.7		
			S	02 05 43.0	3.5		
			sS	02 05 55.0	-2.7		
			ScS	02 08 50.0	5.3		
			LN	$M_S = 5.2$		11.0	0.45
			LE			12.0	1.02
			LZ	$M_S = 5.2$		20.0	2.60
BTO	48.8	61	P	01 59 15.5	0.7		
			PMZ	$m_b = 5.3$		1.0	0.040
			PP	02 01 09.0	1.9		
			PcS	02 04 34.5	0.9		
			S	02 06 18.0	5.1		
			LN	$M_S = 6.0$		12.0	2.55
			LE			12.0	6.20
XAN	49.1	70	+iP	01 59 17.4	0.0		
			PMZ	$m_b = 5.4$		0.5	0.024
			S	02 06 16.0	-1.8		
			LN	$M_S = 5.8$		10.0	1.33
			LE			12.0	3.32
GYA	49.3	80	+iP	01 59 18.6	-0.5		
			PMZ	$m_b = 5.2$		0.8	0.027
			PMZ	$m_b = 6.0$		4.0	0.76
			pP	01 59 34.4	5.2		
			PP	02 01 16.0	3.4		
			ScP	02 04 36.0	4.6		
			S	02 06 22.0	1.4		
			sS	02 06 37.0	-1.9		
			ScS	02 09 08.0	4.2		
			LN	$M_S = 5.5$		14.0	1.53
			LE			14.0	2.21
			LZ	$M_S = 5.4$		18.0	3.84
HHC	49.9	61	-P	01 59 24.3	0.8		
			PMZ	$m_b = 5.5$		1.2	0.069
			PMZ	$m_b = 6.1$		5.0	1.40
			PP	02 01 21.0	2.7		
			S	02 06 35.0	6.5		
			SS	02 10 04.0	6.1		
			LN	$M_S = 5.9$		11.0	3.39
			LE			10.0	3.21
			LZ	$M_S = 5.7$		17.0	6.65
TIY	51.1	64	+P	01 59 32.2	-0.5		
			PMZ	$m_b = 5.3$		1.0	0.044
			PP	02 01 31.0	1.7		
			S	02 06 44.0	-1.4		
			ScS	02 09 21.0	5.0		
			SS	02 10 24.0	5.5		
			LN	$M_S = 5.7$		13.0	3.01
			LZ	$M_S = 5.7$		13.0	5.03
BJI	53.5	61	eP	01 59 50.5	0.0		
			PMZ	$m_b = 5.2$		1.0	0.030
			PMZ	$m_b = 5.8$		7.0	0.85
			ePP	02 01 56.0	4.2		
			eS	02 07 24.0	4.9		
WHN	54.5	73	+iP	01 59 57.5	-0.2		
			PMZ	$m_b = 5.6$		1.5	0.11
			PMZ	$m_b = 5.7$		7.0	0.67
			pP	02 00 03.0	-5.1		
			S	02 07 36.0	4.7		
			LN	$M_S = 5.7$		19.0	3.33
			LE			14.0	2.39
QZN	54.8	87	-P	01 59 59.9	-0.1		
			PMZ	$m_b = 5.3$		0.8	0.029
			LN	$M_S = 5.6$		15.0	2.66
TIA	55.1	65	-P	02 00 02.5	0.1		



CN2	53.7	340	LE			12.5	2.62	GTA	63.5	320	LZ	$M_s = 5.8$	26.0	9.13						
			LZ	$M_s = 5.7$	25.0	9.27	+iP				06 34 30.0	-0.9	1.5	0.15						
			+P	06 33 22.0	-0.1		PMZ				$m_b = 5.7$									
			PMZ	$m_b = 5.3$	0.6	0.025	PMZ				$m_B = 6.0$	7.0	1.25							
			PMZ	$m_B = 6.3$	6.0	2.07	pP				06 34 44.0	0.5								
			pP	06 33 36.0	1.3		sP				06 34 50.0	1.2								
			ScP	06 38 22.5	3.8		S				06 42 54.0	-3.5								
			LN	$M_s = 5.7$	17.0	3.92	LE				$M_s = 5.7$	18.0	2.71							
			LE		17.0	1.28	LZ				$M_s = 5.5$	43.0	7.76							
			KMI	54.0	307	LZ	$M_s = 6.3$				20.0	26.1	LSA	65.2	306	+P	06 34 41.0	-1.1		
+P	06 33 24.5	0.0					sP	06 35 03.0	3.2											
PMZ	$m_b = 5.6$	2.5				0.20	eS	06 43 25.0	4.5											
PMZ	$m_B = 5.9$	5.0				0.70	LN	$M_s = 5.7$	10.0	1.58										
pP	06 33 37.5	0.7					+P	06 35 31.8	-1.3											
sP	06 33 42.1	0.0					PMZ	$m_b = 5.5$	2.5	0.15										
S	06 40 58.0	4.5					PMZ	$m_B = 5.9$	12.0	1.89										
LN	$M_s = 5.3$	16.0				1.00	pP	06 35 45.0	-0.8											
LE		11.0				0.60	PcP	06 35 53.0	5.2											
XAN	54.5	320				LZ	$M_s = 5.7$	30.0	9.20	WMQ	73.6	319				+P	06 35 31.8	-1.3		
			+iP	06 33 26.5	-1.4		PMZ	$m_b = 5.5$	2.5				0.15							
			PMZ	$m_b = 5.7$	0.5	0.046	PMZ	$m_B = 5.9$	12.0				1.89							
			PMZ	$m_B = 6.0$	7.0	1.41	pP	06 35 45.0	-0.8											
			pP	06 33 36.5	-4.0		S	06 44 57.5	0.8											
			S	06 40 58.0	-2.2		sS	06 45 22.0	1.7											
			LN	$M_s = 5.3$	16.0	1.00	LN	$M_s = 5.6$	16.0				1.79							
			LE		11.0	0.60	LZ	$M_s = 5.5$	30.0				4.29							
			BJI	54.5	330	LZ	$M_s = 5.7$	30.0	9.20				KSH	80.3	312	+iP	06 36 09.0	-2.0		
						+iP	06 33 26.5	-1.4								NOV 4d 11h 49m $42.6 \pm 0.05s$, SD1.13 / 37				
PMZ	$m_b = 5.7$	0.5				0.046	$2.65 S \pm 0.54km$, $153.26 E \pm 0.98km$, $h28 \pm 0.10km$													
PMZ	$m_B = 6.0$	7.0				1.41	New Ireland region (190)													
pP	06 33 36.5	-4.0					$m_b 4.9 / 12$,													
S	06 40 58.0	-2.2					WHN	49.7	315	eP	11 58 30.0	-4.4								
LN	$M_s = 5.3$	16.0				1.00	CN2	52.5	335	eP	11 58 55.5	-0.8								
LE		11.0				0.60	GYA	53.5	306	-iP	11 59 04.4	0.9								
TIY	54.8	325				LZ	$M_s = 5.9$	30.0	15.3	XAN	55.4	315				eP	11 58 30.0	-4.4		
						+P	06 33 29.2	-1.1								CN2	52.5	335	eP	11 58 55.5
			PMZ	$m_b = 5.4$	1.4	0.073	GYA	53.5	306				-iP	11 59 04.4	0.9					
			PMZ	$m_B = 6.1$	6.0	1.39	PMZ	$m_b = 4.8$	1.0				0.013							
			S	06 41 04.0	-0.6		pP	11 59 10.0	-1.8											
			LN	$M_s = 6.0$	25.0	9.82	XAN	55.4	315				P	11 59 16.4	-1.1					
			LZ	$M_s = 5.8$	26.0	11.9	GTA	64.4	316				P	12 00 20.0	0.6					
			eP	06 33 39.8	-0.3		PMZ	$m_b = 4.8$	1.0				0.011							
			PMZ	$m_b = 5.9$	0.5	0.078	pP	12 00 30.6	2.7											
			PMZ	$m_B = 6.2$	5.0	1.44	sP	12 00 36.0	4.6											
CD2	56.2	314	pP	06 33 57.8	5.1		WMQ	74.5	317	eP	12 01 22.0	0.8								
			PcP	06 34 36.5	0.2					NOV 4d 21h 12m $10.7 \pm 0.07s$, SD1.98 / 43										
			S	06 41 23.6	0.9					$23.73 N \pm 0.88km$, $121.81 E \pm 1.12km$, $h2 \pm 0.54km$										
			LN	$M_s = 5.9$	17.0	6.18				Taiwan (244)										
			LZ	$M_s = 5.3$	40.0	5.23				$M_s 4.1 / 13$, $M_L 4.2 / 9$, $m_b 4.3 / 6$										
			P	06 33 48.7	-1.0					QZH	3.2	293	-Pn	21 13 02.2	0.3					
			PMZ	$m_b = 5.4$	1.2	0.065				Sn	21 13 38.0	-4.3								
			PMZ	$m_B = 6.2$	6.0	1.72				SMN	$M_L = 3.9$	0.4	0.45							
			pP	06 34 05.0	2.8					SME		1.0	0.48							
			S	06 41 44.0	3.7					LE	$M_s = 3.9$	10.0	2.66							
HHC	57.5	328	LN	$M_s = 6.0$	21.0	6.10	SSE	7.4	356	eP	21 14 01.0	-0.9								
			LZ	$M_s = 5.3$	40.0	5.23				SMN	$M_L = 4.0$	1.2	0.051							
			P	06 33 48.7	-1.0					SME		1.0	0.066							
			PMZ	$m_b = 5.4$	1.2	0.065				LN	$M_s = 4.1$	12.0	1.70							
			PMZ	$m_B = 6.2$	6.0	1.72				LZ	$M_s = 3.9$	12.0	1.10							
			pP	06 34 05.0	2.8					eP	21 14 28.5	-3.1								
			S	06 41 44.0	3.7					SMN		1.5	0.24							
			LN	$M_s = 6.0$	21.0	6.10				SME		1.2	0.082							
			LE		19.0	5.63				LN	$M_s = 4.4$	10.0	1.09							
			BTO	58.2	326	LZ				$M_s = 6.0$	26.0	14.8	WHN	9.5	317	LE		13.0	1.57	
-iP	06 33 53.0	-1.3					eP	21 15 08.0	0.8											
PMZ	$m_b = 5.5$	0.6				0.033	eS	21 17 24.0	0.2											
PMZ	$m_B = 6.1$	6.0				1.36	LN	$M_s = 4.0$	13.0	0.58										
LN	$M_s = 5.9$	18.0				4.26	XAN	15.2	315	eP	21 15 49.0	0.0								
LE		18.0				3.69	LE	$M_s = 4.7$	10.0	1.74										
+iP	06 33 59.3	-1.1					HHC	19.1	336	eP	21 16 38.8	1.0								
PMZ	$m_b = 5.8$	2.0				0.25	LN	$M_s = 4.1$	12.0	0.41										
PMZ	$m_B = 6.1$	6.0				1.31	LZ	$M_s = 4.3$	12.0	0.71										
pP	06 34 09.5	-3.4																		
sP	06 34 19.5	1.4																		
S	06 42 02.0	1.8																		
LE	$M_s = 5.8$	22.0	5.06																	



Station	Time	Phase	Amplitude	Distance	Depth	SL	SN	SL	SN	SL	SN
	08 50 10.0	Sg	-3.0								
		SMN	$M_L=4.7$	0.8	0.64						
		SME		0.8	0.83						
WHN	5.7 239	ePn	08 48 43.0	-1.7							
		Pg	08 49 08.3	6.7							
		Sn	08 49 47.0	-3.8							
		Sg	08 50 22.5	3.5							
		SMN	$M_L=5.0$	1.0	1.52						
		SME		1.0	1.02						
		LN	$M_S=4.6$	6.0	2.93						
		LE		6.0	1.68						
BJI	7.1 336	ePn	08 49 05.5	0.9							
		PMZ	$m_b=4.1$	1.2	0.013						
SNY	8.7 18	eP	08 49 32.2	3.1							
		SMN		7.0	0.78						
		SME		6.5	1.46						
		LZ	$M_S=3.9$	10.0	0.77						
QZH	8.7 188	eP	08 49 27.5	-1.7							
		eS	08 51 01.2	-6.3							
		SMN	$M_L=5.0$	0.9	0.17						
		SME		1.2	0.50						
		LN	$M_S=4.6$	7.0	2.08						
XAN	9.2 276	P	08 49 34.2	-1.9							
		SMN		0.8	0.060						
		SME		0.8	0.060						
		LN	$M_S=5.1$	7.0	5.93						
CN2	11.0 21	eP	08 50 04.0	2.5							
		LN	$M_S=4.6$	5.0	0.90						
		LE		5.0	0.76						
		LZ	$M_S=4.2$	10.0	0.95						
LZH	13.5 285	eP	08 50 34.0	-0.2							
		PMZ	$m_b=4.9$	1.2	0.027						
		sP	08 50 42.5	-2.0							
		SMN		2.0	0.18						
		SME		2.0	0.16						
		LN	$M_S=4.2$	7.0	0.46						
		LZ	$M_S=3.7$	15.0	0.39						
GYA	13.5 242	P	08 50 36.2	1.2							
		SMN		1.4	0.11						
		SME		1.4	0.071						
CD2	14.0 263	-iP	08 50 40.2	-0.5							
		eS	08 53 19.8	3.7							
		LE	$M_S=4.3$	14.0	1.01						
		LZ	$M_S=4.0$	15.0	0.80						
KMI	17.2 245	+P	08 51 22.5	0.2							
		PMZ	$m_b=4.6$	1.5	0.040						
		sP	08 51 37.0	4.3							
GTA	17.2 295	eP	08 51 22.5	0.3							
		PMZ	$m_b=4.4$	1.0	0.020						
		pP	08 51 29.0	0.4							
		sP	08 51 34.0	1.2							
LSA	24.8 269	P	08 52 45.0	1.1							
WMQ	27.0 302	eP	08 53 05.0	0.8							
<p>NOV 5d 09h 36m 34.8 ± 0.07s, SD1.64 / 19 24.14 N ± 0.54km, 121.79 E ± 0.76km, h30 ± 0.10km Taiwan (244) $M_L4.0/9, m_b4.5/4,$</p>											
QZH	3.0 286	ePn	09 37 21.6	0.6							
		Sn	09 37 54.5	-3.2							
		SMN	$M_L=3.6$	0.7	0.28						
		SME		0.8	0.21						
SSE	6.9 356	-P	09 38 16.5	-0.7							
		PMZ	$m_b=4.5$	0.5	0.014						
		SMN	$M_L=3.8$	1.0	0.037						
		SME		1.0	0.053						
		LZ	$M_S=3.5$	16.0	0.50						
NJ2	8.3 342	+P	09 38 34.3	-1.7							
		S									
		LN									
		LE									
		LZ									
TIY	69.6 38	eP	21 27 26.8	-1.0							
NJ2	70.1 46	+P	21 27 30.0	-1.0							
		LE	$M_S=5.7$	12.5	1.57						
		LZ	$M_S=5.2$	18.0	1.41						
BTO	70.2 34	eP	21 27 28.5	-3.2							
		pP	21 27 36.5	-0.5							
		PcP	21 27 47.5	-5.1							
		ePP	21 30 09.5	1.7							
		LN	$M_S=5.6$	14.0	0.87						
		LE		16.0	1.58						
SSE	71.2 48	P	21 27 38.0	0.4							
		S	21 36 54.0	1.4							

			SS	21 41	28.0	-0.3			CD2	26.0	103	eP	02 51	44.0	1.2		
			LN		$M_s=5.9$		12.0	2.40	GYA	30.6	108	P	02 52	24.4	0.2		
			LE				12.0	0.80	NOV 6d 09h 57m $10.4 \pm 0.05s$, SD2.15 / 16 $31.60 N \pm 0.36km$, $102.39 E \pm 0.44km$, $h13 \pm 0.14km$ Sichuan Province (307) $M_L 3.7 / 10$,								
			LZ		$M_s=5.7$		20.0	4.00									
HHC	71.2	35	eP	21 27	38.0	0.1											
			S	21 36	55.5	2.7											
			LN		$M_s=5.7$		14.0	0.81									
			LE				12.0	1.35									
			LZ		$M_s=5.8$		60.0	16.7									
TIA	71.5	42	eP	21 27	38.3	-0.9											
			PMZ		$m_b=4.9$		1.2	0.018									
			S	21 36	56.0	0.3											
			LE		$M_s=6.0$		19.0	4.51									
			LZ		$M_s=5.7$		20.0	3.88									
BJI	73.3	38	eP	21 27	53.0	2.9											
			PMZ		$m_b=4.9$		1.0	0.015									
			eS	21 37	18.0	0.0											
			LN		$M_s=5.7$		15.0	1.96									
			LZ		$M_s=5.6$		54.0	8.74									
SNY	78.9	40	eP	21 28	19.6	-1.9											
			LN		$M_s=6.0$		13.0	1.45									
			LE				18.0	3.33									
			LZ		$M_s=5.7$		20.0	3.83									
CN2	81.1	39	eP	21 28	29.5	-4.0											
			PMZ		$m_b=5.3$		1.0	0.034									
			PMZ		$m_b=5.9$		5.0	0.60									
			epP	21 28	34.0	-4.8											
			eS	21 38	37.0	-5.5											
			eSS	21 43	55.0	-3.6											
			LN		$M_s=5.7$		17.0	0.59									
			LE				17.0	1.53									
			LZ		$M_s=6.1$		17.0	7.25									
MDJ	84.1	40	eP	21 28	52.5	3.7											
			pP	21 28	58.4	4.2											
			SKS	21 39	14.0	6.8											
			LZ		$M_s=6.1$		16.0	7.13									
NOV 6d 01h 09m $43.8 \pm 0.09s$, SD3.84 / 5 $24.43 N \pm 0.32km$, $99.15 E \pm 0.42km$, $h6 \pm 0.70km$ Burma-China border region (297) $M_L 3.0 / 5$,																	
KMI	3.3	77	ePg	01 10	43.0	-0.2											
			Sg	01 11	27.0	-1.6											
			SMN		$M_L=3.0$		1.0	0.060									
			SME				0.5	0.040									
NOV 6d 02h 46m $11.0 \pm 0.04s$, SD1.70 / 67 $40.88 N \pm 0.81km$, $73.99 E \pm 0.54km$, $h33 \pm 0.09km$ Kirgiziya (716) $M_s 4.1 / 1$, $M_L 4.7 / 4$, $m_b 4.6 / 30$																	
KSH	2.0	132	Pn	02 46	48.0	4.8											
			Sg	02 47	20.5	5.8											
			SMN		$M_L=4.8$		0.7	8.51									
			SME				0.6	8.85									
WMQ	10.6	69	eP	02 48	42.4	-1.1											
			LN				3.0	1.15									
			LZ		$M_s=4.7$		4.0	1.47									
LSA	17.9	123	eP	02 50	16.0	-3.4											
			SME				4.0	0.36									
GTA	19.8	86	+P	02 50	41.5	-0.1											
			PMZ		$m_b=4.4$		1.0	0.017									
			sP	02 50	55.8	1.7											
			S	02 54	21.0	4.2											
			LZ		$M_s=4.0$		12.0	0.36									
LZH	23.8	92	eP	02 51	22.0	-0.1											
			PMZ		$m_b=4.5$		1.5	0.028									
			LN		$M_s=4.1$		10.0	0.22									
			LZ		$M_s=3.8$		18.0	0.30									
NOV 6d 10h 30m $39.9 \pm 0.04s$, SD2.46 / 20 $36.12 N \pm 0.43km$, $106.09 E \pm 0.44km$, $h18 \pm 0.11km$ Gansu Province (322) $M_L 3.7 / 18$,																	
			LZH	1.8	269	-iPg	10 31	11.4	-1.0								
						Sg	10 31	33.5	-3.6								
						SMN		$M_L=3.8$	0.5	1.04							
						SME			0.5	0.71							
			XAN	3.1	131	Pn	10 31	28.5	-0.3								
						Pg	10 31	34.5	-0.5								
						Sg	10 32	12.5	-5.2								
						SMN		$M_L=3.4$	0.3	0.15							
						SME			0.2	0.14							
			TIY	5.3	71	ePn	10 32	00.4	1.2								
						ePg	10 32	16.4	2.5								
						Sg	10 33	21.0	-5.8								
						SMN		$M_L=3.9$	0.8	0.093							
						SME			0.7	0.16							
			BTO	5.4	33	ePn	10 32	03.0	2.3								
						Pg	10 32	18.4	2.6								
						Sn	10 33	07.4	2.7								
						Sg	10 33	27.4	-2.6								
						SMN		$M_L=3.6$	0.8	0.070							
						SME			0.6	0.040							
			CD2	5.6	201	Pg	10 32	22.8	4.7								
						Sg	10 33	30.0	-3.9								
						SMN		$M_L=3.6$	0.9	0.085							
						SME			0.8	0.029							
			GTA	6.0	305	Pn	10 32	09.1	1.2								
						Pg	10 32	29.5	4.5								
						Sn	10 33	16.2	-1.5								
						Sg	10 33	45.6	-0.9								
						SMN		$M_L=3.6$	0.6	0.055							
						SME			0.6	0.036							
			HHC	6.4	41	ePn	10 32	12.0	-1.7								
						ePg	10 32	38.0	5.5								
						Sn	10 33	27.0	-1.2								
						Sg	10 33	54.8	-4.9								
						SMN		$M_L=4.2$	1.0	0.16							
						SME			0.6	0.16							
NOV 7d 05h 59m $34.9 \pm 0.04s$, SD1.03 / 347 $26.26 S \pm 0.86km$, $177.82 W \pm 0.80km$, $h197 \pm 0.47km$ South of Fiji (171) $m_b 6.0 / 9$, $m_b 5.7 / 77$,																	



QZH	79.7	304	cP	06 11 22.5	-0.7		
SSE	81.5	311	+P	06 11 31.5	-1.1		
			PMZ	$m_b = 5.4$		1.4	0.10
			LN			6.0	0.50
			LE			6.0	0.70
			LZ			20.0	0.60
GZH	82.7	300	P	06 11 38.0	-0.7		
			PMZ	$m_b = 5.4$		1.1	0.078
			eS	06 21 38.0	-0.8		
QZN	83.4	295	cP	06 11 40.8	-1.3		
NJ2	83.7	310	-P	06 11 44.2	0.6		
			PMZ	$m_b = 5.9$		1.2	0.25
			sP	06 12 50.0	-1.6		
MDJ	85.3	325	-iP	06 11 52.3	0.5		
			PMZ	$m_b = 6.0$		1.0	0.26
			LZ			22.0	0.97
WHN	86.0	307	+cP	06 11 55.5	0.4		
			PMZ	$m_b = 6.1$		1.0	0.31
			PMZ	$m_B = 6.0$		6.0	1.67
SNY	86.7	320	-iP	06 11 58.0	-0.5		
			PMZ	$m_b = 5.8$		0.8	0.13
CN2	87.0	323	-iP	06 11 59.5	-0.2		
			PMZ	$m_b = 6.0$		1.2	0.30
			PMZ			3.0	2.51
TIA	87.3	313	-P	06 12 02.1	0.8		
			PMZ	$m_b = 6.0$		1.4	0.36
GYA	89.6	300	-iP	06 12 13.0	0.5		
			PMZ	$m_b = 5.6$		1.2	0.087
BJI	90.1	315	cP	06 12 15.0	0.5		
			PMZ	$m_b = 6.1$		1.5	0.36
			PMZ	$m_B = 6.1$		4.0	0.98
			epP	06 13 06.0	3.7		
			ePP	06 15 50.0	-2.1		
			eSKS	06 22 24.0	0.2		
			eS	06 22 52.0	3.0		
TIY	91.2	312	-iP	06 12 20.8	0.9		
			PMZ	$m_b = 5.3$		1.0	0.034
			PMZ	$m_B = 6.4$		6.0	2.36
			pP	06 13 06.0	-1.6		
			SKS	06 22 34.0	3.6		
XAN	91.7	307	-P	06 12 23.0	0.8		
			PMZ	$m_b = 5.6$		1.0	0.069
			pP	06 13 11.3	1.3		
KMI	92.1	297	-P	06 12 25.5	1.4		
			PMZ	$m_b = 6.3$		2.0	0.60
			pP	06 13 13.0	1.3		
HHC	93.5	314	-P	06 12 31.0	0.7		
			PMZ			3.0	0.73
			PP	06 16 15.0	-4.1		
			eS	06 23 18.0	-0.9		
			LE			40.0	1.01
			LZ			22.0	0.78
CD2	94.0	302	P	06 12 34.0	1.4		
			PMZ	$m_b = 6.2$		1.2	0.23
BTO	94.3	313	P	06 12 35.0	0.8		
			ePP	06 16 19.5	-6.3		
LZH	96.4	307	-iP	06 12 44.2	0.7		
			PMZ	$m_b = 5.8$		2.0	0.14
			PMZ	$m_B = 5.7$		4.0	0.23
			pP	06 13 30.0	-1.2		
			LZ			4.0	0.53
GTA	100.7	309	-P	06 13 03.0	-0.2		
			PMZ	$m_b = 5.9$		1.4	0.048
			PMZ	$m_B = 6.5$		5.0	0.69
			sP	06 14 10.6	-0.9		

		Banda Sea					
		$m_b 6.3 / 44, m_b 6.0 / 105,$					
QZN	32.0	325	+P	09 27 39.5	0.0		
			PMZ	$m_b = 5.9$		0.9	0.19
			PMZ	$m_B = 6.2$		5.5	2.78
			pP	09 28 14.0	5.1		
			LN			13.0	2.53
			LE			13.0	3.92
QZH	33.5	343	+P	09 27 51.5	-0.4		
			PMZ	$m_b = 6.3$		1.5	0.75
			PMZ	$m_B = 6.3$		5.0	2.65
			sP	09 28 34.0	-4.0		
			S	09 32 57.0	-4.8		
			sS	09 33 52.0	-2.8		
GZH	33.7	334	+P	09 27 53.6	0.0		
			PMZ	$m_b = 6.2$		0.9	0.40
			PMZ	$m_B = 6.3$		5.0	3.06
			pP	09 28 18.5	-4.9		
			S	09 33 01.0	-3.7		
			LN			15.0	3.58
			LE			15.0	9.30
			LZ			18.0	9.68
SSE	38.8	350	+iP	09 28 37.0	0.2		
			PMZ	$m_b = 6.1$		1.4	0.57
			PMZ	$m_B = 6.1$		6.0	2.40
			pP	09 29 06.5	-0.8		
			sP	09 29 28.0	4.6		
			PP	09 30 12.5	1.1		
			iScP	09 34 20.8	1.8		
			sS	09 35 12.0	-5.3		
			LN			12.0	1.60
			LE			12.0	2.20
			LZ			20.0	3.70
GYA	39.7	328	+iP	09 28 45.0	0.4		
			PMZ	$m_b = 6.3$		1.2	0.70
			PMZ	$m_B = 6.5$		4.0	3.37
			pP	09 29 15.0	0.0		
			PP	09 30 22.0	0.6		
			PcP	09 30 51.2	2.9		
			ScP	09 34 24.0	1.5		
			S	09 34 35.0	-1.9		
			sS	09 35 30.0	-1.1		
			SS	09 37 38.0	6.4		
			ScS	09 38 34.4	0.1		
			LN			18.0	5.75
			LE			18.0	3.61
			LZ			26.0	10.4
WHN	40.0	341	+iP	09 28 48.0	1.2		
			PMZ	$m_b = 6.6$		1.1	1.19
			PMZ	$m_B = 6.3$		6.0	3.33
			iScP	09 34 24.0	0.3		
			iS	09 34 40.0	-2.0		
			iPcS	09 34 40.0	1.9		
			LE			12.0	2.75
			LZ			14.0	2.94
NJ2	40.2	347	+P	09 28 49.2	0.9		
			PMZ	$m_b = 6.4$		1.2	0.99
			PMZ	$m_B = 6.2$		6.0	2.99
			PP	09 30 29.0	2.7		
			ScP	09 34 26.0	1.6		
			S	09 34 44.0	0.1		
KMI	40.9	323	+P	09 28 56.0	1.7		
			PMZ	$m_b = 5.9$		1.0	0.25
			PMZ	$m_B = 6.3$		5.0	3.20
			pP	09 29 27.0	2.3		
			sP	09 29 40.0	-0.8		
			ScP	09 34 29.0	1.9		
			LN			13.0	1.40

NOV 7d 09h 21m 23.7 ± 0.03s, SD1.22 / 396
7.27 S ± 0.80km, 128.62 E ± 1.03km, h139 ± 0.05km

NOV 7d 09h 34m 30.0 ± 0.07s, SD4.93 / 5
42.63 N ± 0.66km, 113.17 E ± 0.54km, h8 ± 0.58km
North-Eastern China (658)
M_L3.1 / 5,

HHC	2.1	215	Pg	09 35 11.6	3.6		
			Sg	09 35 40.8	3.6		
			SMN	M _L = 3.1		0.6	0.14
			SME			0.6	0.17
BTO	3.1	230	ePg	09 35 25.0	-0.1		
			Sn	09 36 03.9	4.9		
			SMN	M _L = 3.1		0.4	0.070
			SME			0.4	0.080
TIY	4.9	187	-iPg	09 35 54.0	-3.4		
			PMZ			1.2	0.070

NOV 7d 12h 14m 23.6 ± 0.39s, SD1.97 / 12
23.95 N ± 2.15km, 121.68 E ± 2.45km, h8 ± 0.26km
Taiwan (244)
M_L3.6 / 8,

QZH	3.0	290	-iPn	12 15 11.6	0.1		
			Sn	12 15 44.0	-5.4		
			SMN	M _L = 3.7		0.2	0.39
			SME			0.2	0.20
NJ2	8.5	343	+P	12 16 30.4	1.0		
XAN	15.0	315	eP	12 18 01.5	3.4		

NOV 7d 22h 40m 29.3 ± 0.05s, SD1.66 / 8
25.06 N ± 0.47km, 99.23 E ± 0.32km, h12 ± 0.08km
Burma-China border region (297)
M_L3.2 / 5,

KMI	3.2	88	ePg	22 41 26.5	0.5		
			Sg	22 42 04.5	-4.8		
			SMN	M _L = 3.2		1.2	0.090
			SME			1.0	0.060

NOV 7d 23h 26m 13.7 ± 0.18s, SD3.32 / 8
40.16 N ± 0.74km, 78.25 E ± 1.71km, h5 ± km
Southern Xinjiang Province (321)
M_L3.3 / 6,

WMQ	7.9	60	ePn	23 28 13.2	3.1		
			SMN	M _L = 3.2		1.0	0.0070
			SME			1.0	0.0070

NOV 8d 07h 10m 29.5 ± 0.07s, SD3.25 / 17
38.44 N ± 1.08km, 73.23 E ± 0.89km, h18 ± 0.24km
Tadzhikistan (715)
M_L4.8 / 1, m_b4.1 / 4,

KSH	2.4	62	ePg	07 11 14.0	2.6		
			Sg	07 11 46.7	3.2		
			SMN	M _L = 4.8		0.9	5.27
			SME			0.7	5.36
WMQ	12.2	59	eP	07 13 25.0	-0.2		
			S	07 15 39.0	-1.9		
			SMN			1.5	0.012
GTA	20.7	79	eP	07 15 07.8	-3.9		
			PMZ	m _b = 4.1		1.0	0.0090
			pP	07 15 14.0	-3.8		

NOV 8d 09h 54m 47.8 ± 0.24s, SD2.91 / 10
23.53 N ± 1.27km, 117.53 E ± 1.36km, h32 ± 1.08km
Near south-eastern coast of China (242)
M_L4.0 / 9, m_b4.6 / 1,

QZH	1.7	34	-Pn	09 55 17.0	1.1		
			Pg	09 55 21.3	2.8		
			Sn	09 55 40.0	1.9		
			Sg	09 55 44.5	2.3		
			SMN	M _L = 3.3		0.2	0.29
			SME			0.2	0.32

GZH	3.9	264	ePg	09 55 55.0	-1.4		
			eSg	09 56 42.6	-6.8		
			SMN	M _L = 4.2		0.5	0.83
			SME			0.5	0.24
NJ2	8.6	8	eP	09 56 52.0	-0.7		
			SMN	M _L = 4.5		1.0	0.11
			SME			1.0	0.096

NOV 8d 09h 58m 44.7 ± 0.03s, SD1.36 / 23
25.59 N ± 0.58km, 142.25 E ± 0.87km, h32 ± 0.12km
Volcano Islands region (213)
m_b4.9 / 12,

XAN	30.0	294	eP	10 04 53.5	0.4		
CD2	34.2	288	P	10 05 30.6	0.9		
LZH	34.4	297	eP	10 05 32.5	0.9		
			PMZ	m _b = 4.8		1.2	0.019

NOV 8d 11h 13m 30.1 ± 0.04s, SD1.41 / 119
6.27 N ± 0.60km, 126.69 E ± 0.89km, h83 ± 0.13km
Mindanao (259)
M_S4.6 / 1, m_b5.0 / 36,

QZN	20.7	309	eP	11 18 10.2	3.9		
			PMZ	m _b = 4.4		0.8	0.015
			LN	M _S = 4.6		13.0	1.30
GZH	21.1	324	P	11 18 11.1	1.2		
WHN	26.8	336	eP	11 19 01.5	-3.1		
TIA	31.1	345	eP	11 19 41.0	-1.8		
XAN	32.2	332	P	11 19 51.5	-1.0		
			PMZ	m _b = 5.0		0.7	0.020
			pP	11 20 07.5	-3.9		
CD2	32.6	322	eP	11 19 57.4	1.0		
TIY	33.9	339	eP	11 20 06.4	-1.0		
BJI	34.9	346	eP	11 20 15.5	-0.7		
			PMZ	m _b = 4.5		1.0	0.0070
SNY	35.5	356	+P	11 20 20.4	-0.8		
			PMZ	m _b = 4.7		1.2	0.017
LZH	36.3	328	-P	11 20 29.2	0.9		
			PMZ	m _b = 5.2		1.6	0.061
			pP	11 20 45.0	-2.5		
			PcP	11 22 53.0	2.0		
			LZ	M _S = 4.0		25.0	0.32
HHC	37.0	341	eP	11 20 34.2	0.3		
BTO	37.3	339	eP	11 20 37.0	0.6		
MDJ	38.3	3	eP	11 20 43.3	-1.1		
GTA	40.9	328	P	11 21 07.0	0.5		
			PMZ	m _b = 5.2		0.8	0.027
			pP	11 21 22.0	-3.8		
			PcP	11 23 07.2	1.8		
			ScP	11 26 51.1	5.0		
			PcS	11 26 56.4	1.5		
			LZ	M _S = 4.3		22.0	0.42
WMQ	50.6	324	P	11 22 23.8	0.3		
			PMZ	m _b = 4.9		1.0	0.016
			pP	11 22 40.0	-3.4		

NOV 8d 15h 13m 43.6 ± 0.03s, SD1.17 / 335
26.40 N ± 1.07km, 70.62 E ± 0.53km, h21 ± 0.09km
India-Pakistan border region (712)
M_S5.4 / 39, m_b5.4 / 4, m_b5.4 / 106

KSH	13.8	17	P	15 16 59.0	-2.1		
			S	15 19 30.0	-4.4		
			LE	M _S = 6.2		6.0	36.8
LSA	18.4	75	eP	15 17 56.0	-4.3		
			LN	M _S = 5.3		7.5	3.34
			LE			5.0	1.84
WMQ	22.2	34	+iP	15 18 40.5	-0.4		
			PMZ	m _b = 5.8		1.5	0.64
			pP	15 18 48.5	0.7		



Station	M _s	Time	Phase	Amplitude	Period	Station	M _s	Time	Phase	Amplitude	Period		
GYA	5.1	7	LN	12.0	1.50	HHC	5.6	9	LN	15.0	3.31		
			LE	10.0	1.10				LE	14.0	0.82		
	5.2	18	LZ	18.0	4.60		+P	17 20	59.2	0.8			
			+iP	55.0	0.6		PMZ		m _b =6.4	1.2	0.56		
	5.7	17 20	PMZ		1.2		0.18	PMZ		m _B =6.1	4.0	1.14	
			PMZ		3.0		0.98	pP	17 21	14.0	-3.3		
			PP	00.0	2.5				PcP	17 22	34.5	-0.7	
			PcP	50.0	0.7				PP	17 22	48.0	1.6	
			S	54.0	4.0				S	17 27	36.5	2.9	
			ScP	26.0	2.5				LN		M _s =5.5	14.0	2.50
		PcS	33.4	1.4			LE			9.0	0.55		
		ScS	21.2	2.5			LZ		M _s =5.4	17.0	3.99		
CD2	5.3	1	LN	13.0	3.12	BJI	5.8	14	eP	17 21	00.0	0.4	
			LE	13.0	1.71				PMZ		m _b =6.1	1.5	0.39
	5.3	17 19	LZ	16.0	5.25		epP	17 21	24.0	5.3			
			+iP	30.0	-0.8		ePcP	17 22	36.5	0.7			
	5.7	17 24	PMZ		1.0		0.14	ePP	17 22	48.0	-0.1		
S			56.0	0.5		eScP	17 26	22.0	2.0				
LSA	5.6	342	LN	15.0	5.55		eS	17 27	32.0	-4.9			
			LZ	20.0	5.10		LN		M _s =5.6	18.0	3.26		
	+iP	33.0	-3.1		LE			20.0	2.80				
WHN	5.3	17	S	04.0	-0.3	DL2	5.4	20	LZ		M _s =5.4	20.0	4.21
			+P	43.0	0.8				+P	17 21	04.0	-0.2	
	5.8	17 22	PMZ		1.2		0.18	PMZ		m _b =5.9	1.4	0.22	
			PMZ		7.0		0.67	eS	17 27	46.0	0.8		
			iPcP	06.0	1.0				LE		M _s =5.0	15.0	0.96
		S	20.0	3.7			LZ		M _s =4.9	28.0	1.93		
XAN	5.3	8	iScP	48.0	5.1	SNY	5.7	20	+iP	17 21	28.0	-1.7	
			LN	14.0	2.43				PMZ		m _b =5.7	1.0	0.091
	LE	15.0	1.81		S		17 28	32.0	1.8				
	P	00.0	-0.6		LZ			M _s =5.1	26.0	2.71			
	PMZ		0.5	0.38	WMQ		5.8	346	+iP	17 21	31.0	0.4	
S	50.4	0.8	PMZ			m _b =6.1			1.2	0.28			
NJ2	5.5	22	LN	15.0		3.75	ScP	17 26	41.1	4.5			
			LE	10.0		1.07	PcS	17 26	46.0	0.8			
	+P	07.3	1.1			S	17 28	34.0	2.3				
SSE	5.5	17 20	PMZ		1.2	0.087	ScS	17 31	15.0	4.7			
			ScP	58.0	4.3		LZ		M _s =5.0	20.0	1.62		
	5.0	17 26	S	06.0	6.0		+iP	17 21	32.0	-1.3			
			LZ		20.0	2.07	S	17 28	38.0	1.5			
	LZH	5.0	1	+P	08.0	1.0		LN		M _s =5.8	5.0	1.63	
PMZ					1.4	0.23	CN2	52.0	21	+iP	17 21	46.8	-1.0
PMZ			4.0	0.80	PMZ		m _b =6.2			1.2	0.36		
PcP		14.0	-0.2		esP	17 22	17.0	0.4					
S		58.0	-3.3		PcP	17 22	58.0	-0.4					
TIA	5.2	17	LN	13.0	1.20	MDJ	5.4	23	eS	17 29	00.0	-4.2	
			LE	14.0	1.10				LZ		M _s =5.4	28.0	4.64
	5.0	17 20	LZ	20.0	2.40		+iP	17 22	03.6	-0.9			
			+iP	14.5	0.4		PMZ		m _b =5.8	1.0	0.12		
	TIY	6.2	17 20	PMZ			1.5	0.58	S	17 29	34.0	0.4	
PMZ					4.0	0.82	LN		M _s =5.9	28.0	8.63		
pP		30.5	-2.3		LE			28.0	6.45				
sP		39.5	-3.1		LZ		M _s =5.1	32.0	2.69				
PcP		17.5	0.6										
BTO	5.2	17 30	ScS	12.0	2.3								
			LN		M _s =5.4	13.0	2.35	NOV 8d 21h 59m 56.6±0.24s, SD2.25 / 22 24.46 N±1.81km, 122.83 E±1.72km, h5±km Taiwan region (243) M _L 3.8 / 9, m _b 4.2 / 3,					
	LZ		M _s =5.3	18.0	4.05								
	P	33.3	0.5										
	QZH	6.0	17 20	+P	35.4	0.3	SSE	6.8	348	-iP _n	22 00	57.0	-0.3
PMZ					0.9	0.19				S _n	22 01	39.0	-6.5
5.5		17 22	PP	24.0	6.8			SMN		M _L =3.5	0.5	0.10	
			S	57.0	5.2			SME			0.5	0.12	
NJ2		5.5	17 20	LN	17.0	3.67			P	22 01	41.5	2.2	
	LZ			18.0	3.65		PMZ		m _b =4.2	0.5	0.012		
	-iP	55.0	0.4		pP	22 01	43.3	0.3					
8.3	336	PMZ		2.0	0.76	SME		M _L =3.5	1.0	0.026			
		sP	20.0	-3.2			+P	22 02	03.0	1.8			
S	31.0	4.3				S	22 03	36.0	-0.7				



Station	Mag	Depth (km)	Type	Time	Mag	Depth (km)	Type	Time	Mag	Depth (km)	Type	Time	Mag	Depth (km)	Type	Time	Mag	Depth (km)	Type	Time						
BJI	149.5	113	ePKP	13 24	26.0	4.9																				
CN2	156.7	120	ePKP	13 24	34.0	2.6																				
<p>NOV 10d 15h 19m 13.7 ± 0.04s, SD1.09 / 241 30.59 N ± 0.83km, 50.27 E ± 0.42km, h43 ± 0.04km Western Iran (347) M_S5.0 / 11, m_b5.5 / 2, m_b5.0 / 76</p>											<p>NOV 10d 17h 22m 16.2 ± 0.04s, SD1.07 / 76 3.41 N ± 0.51km, 128.08 E ± 0.95km, h65 ± 0.23km Molucca Passage (266) m_b5.0 / 25,</p>															
KSH	22.8	60	P	15 24	14.0	0.3							WHN	29.9	336	+P	17 28	22.0	1.3							
			sS	15 28	28.0	-4.2							XAN	35.3	332	-P	17 29	07.0	-0.5							
			LN		M _S =5.8	9.0	6.50									PMZ		m _b =4.9	0.8	0.017						
			LE			10.0	9.46						CD2	35.7	323	P	17 29	10.8	0.0							
WMQ	32.3	55	+iP	15 25	42.0	0.4							TIY	37.0	339	eP	17 29	21.5	-0.4							
			PMZ		m _b =4.9	1.0	0.019						BJI	38.0	345	eP	17 29	30.0	-0.1							
			PP	15 26	51.0	1.9										PMZ		m _b =4.7	0.7	0.0090						
			S	15 30	52.0	1.7							SNY	38.5	355	eP	17 29	31.8	-2.0							
			LN		M _S =4.7	10.0	0.64									PMZ		m _b =4.5	0.8	0.0060						
			LZ		M _S =4.8	12.0	1.14						LZH	39.5	328	-iP	17 29	43.4	1.0							
LSA	35.2	81	+iP	15 26	05.8	-1.2										PMZ		m _b =5.3	1.5	0.077						
GTA	41.1	64	+iP	15 26	57.2	1.5										LZ		M _S =3.9	30.0	0.29						
			PMZ		m _b =5.3	1.0	0.043						HHC	40.1	340	-P	17 29	48.4	0.6							
			PMZ		m _b =5.5	5.0	0.41									PMZ		m _b =4.8	1.0	0.015						
			pP	15 27	09.4	2.9							BTO	40.4	339	eP	17 29	52.0	1.6							
			sP	15 27	14.5	3.2							MDJ	41.1	2	-iP	17 29	56.3	1.0							
			PP	15 28	40.0	6.5							LSA	43.7	311	P	17 30	16.0	-1.1							
			LE		M _S =4.8	11.0	0.50						GTA	44.1	328	-P	17 30	20.4	0.3							
			LZ		M _S =4.6	16.0	0.64									PMZ		m _b =5.1	1.0	0.028						
LZH	44.6	68	+iP	15 27	25.5	1.0							WMQ	53.7	324	+iP	17 31	34.8	0.1							
			PMZ		m _b =5.2	2.0	0.071									PMZ		m _b =5.0	1.0	0.018						
			LE		M _S =4.8	10.0	0.37						<p>NOV 10d 19h 09m 32.0 ± 0.05s, SD2.63 / 14 35.07 N ± 0.60km, 115.20 E ± 0.44km, h8 ± 0.10km Eastern China (664) M_L3.1 / 13,</p>													
			LZ		M _S =4.6	20.0	0.74						TIA	1.9	53	Pg	19 10	06.2	0.0							
CD2	45.6	75	P	15 27	33.0	0.9										Sg	19 10	32.2	-0.4							
KMI	46.4	83	+P	15 27	38.5	0.1										SMN		M _L =3.3	0.9	0.32						
			PMZ		m _b =5.7	1.5	0.15									SME			0.3	0.20						
BTO	48.8	61	eP	15 27	58.0	0.9							TIY	3.5	321	+Pg	19 10	31.0	-2.2							
			pP	15 28	05.0	-3.1										Sg	19 11	14.8	-5.4							
			eS	15 34	51.5	-4.5										SMN		M _L =3.1	0.6	0.034						
			LN		M _S =5.0	12.0	0.32									SME			0.4	0.068						
			LE			12.0	0.61						NJ2	4.3	134	ePg	19 10	50.0	2.4							
XAN	49.1	70	+P	15 27	59.5	-0.1										eSg	19 11	44.0	-2.1							
			PMZ		m _b =5.0	0.5	0.010									SMN		M _L =3.2	0.6	0.048						
			pP	15 28	07.5	-3.1										SME			0.8	0.033						
			sP	15 28	18.9	3.6										<p>NOV 10d 22h 32m 19.5 ± 0.05s, SD3.00 / 8 43.33 N ± 0.57km, 97.44 E ± 0.41km, h11 ± 0.02km Gansu Province (322) M_L3.8 / 5,</p>										
GYA	49.3	80	P	15 28	00.8	-0.3							GTA	4.3	155	Pn	22 33	27.7	2.2							
			PMZ		m _b =5.1	1.0	0.025									Pg	22 33	39.7	4.1							
			pP	15 28	15.8	3.8										Sg	22 34	36.0	1.6							
HHC	49.9	60	+P	15 28	07.2	1.4										SMN		M _L =3.1	0.7	0.034						
			PMZ		m _b =5.0	1.0	0.018										Sn	22 35	26.4	-0.2						
			eS	15 35	07.0	-4.7											SMN		M _L =3.8	1.0	0.039					
			LZ		M _S =4.6	20.0	0.62										SME			0.8	0.042					
TIY	51.1	64	eP	15 28	15.0	0.0										<p>NOV 10d 23h 26m 13.3 ± 0.05s, SD3.36 / 8 38.46 N ± 0.50km, 99.87 E ± 0.38km, h12 ± 0.09km Qinghai Province (325) M_L3.4 / 5,</p>										
			LE		M _S =4.9	13.0	0.48									GTA	1.0	357	-iPg	23 26	31.8	1.4				
			LZ		M _S =4.8	16.0	0.71												Sg	23 26	47.2	3.9				
BJI	53.5	61	eP	15 28	33.0	0.3													SMN		M _L =2.6	0.4	0.16			
			PMZ		m _b =4.9	0.6	0.010												SME			0.4	0.16			
			LZ		M _S =4.6	27.0	0.68												LN			7.0	0.59			
WHN	54.5	72	eP	15 28	40.0	0.2										<p>NOV 10d 23h 26m 13.3 ± 0.05s, SD3.36 / 8 38.46 N ± 0.50km, 99.87 E ± 0.38km, h12 ± 0.09km Qinghai Province (325) M_L3.4 / 5,</p>										
TIA	55.1	65	+P	15 28	44.7	0.1																				
SNY	58.6	57	+P	15 29	07.8	-1.3																				
			PMZ		m _b =4.6	0.8	0.0060																			
CN2	59.4	54	eP	15 29	13.7	-1.2																				
			PMZ		m _b =5.1	1.2	0.031																			
			PMZ		m _b =5.6	6.0	0.41																			
			epP	15 29	22.0	-4.2																				
			eS	15 37	26.0	6.8																				
			LN		M _S =5.2	13.0	0.62																			
			LE			13.0	0.46																			
			LZ		M _S =5.3	13.0	1.60																			
SSE	59.9	70	eP	15 29	18.0	0.0																				

				10.0 0.64		MDJ	83.8 325	+P	16 28 01.0	-0.0	1.0 0.054	
LZH	4.0 126	LZ ePg SMN SME	23 27 21.5 M _L =3.4	-1.9	1.0 0.11 1.0 0.075			PMZ S	m _b =5.3 16 38 05.0	-2.2	1.0 0.050	
NOV 10d 23h 43m 58.5±0.02s, SD2.58/6 38.44 N±0.23km, 99.88 E±0.16km, h16±0.03km Qinghai Province (325) M _L 3.2/4,						DL2	84.8 317	-P	16 28 06.0	-0.3	5.0 0.70	
GTA	1.0 357	-iPg Sg SMN SME LN LZ	23 44 16.2 23 44 31.6 M _L =2.3	0.2 2.4	0.4 0.087 0.4 0.072 8.0 0.39 8.0 0.57	WHN	85.1 306	-P	16 28 07.0	-0.7	1.0 0.062 8.0 0.86	
LZH	3.9 125	ePg SMN SME	23 45 09.0 M _L =3.3	0.6	1.0 0.074 1.0 0.047	SNY	85.4 320	-iP	16 28 08.0	-1.2	1.0 0.041 9.0 0.87	
NOV 11d 01h 33m 33.4±0.07s, SD2.37/15 40.71 N±0.68km, 122.75 E±0.55km, h10±0.20km North-Eastern China (658) M _L 3.6/14,						CN2	85.5 322	P	16 28 08.0	-2.1	1.0 0.034 5.0 0.78	
SNY	1.3 29	+Pn Pg Sg SMN SME	01 33 55.4 01 33 56.4 01 34 12.6 M _L =3.4	-2.3 0.4 -0.9	0.4 0.69 0.6 0.61	TIA	86.1 312	eP	16 28 12.5	-0.6	1.2 0.075	
DL2	2.0 206	Pg Sg SMN SME	01 34 07.8 01 34 33.8 M _L =3.8	-0.9 -2.3	0.5 0.56 0.5 0.84	BJI	88.9 315	eP	16 28 25.5	-0.5	1.7 0.12 6.0 0.51	
CN2	3.7 32	ePg eSg SMN SME	01 34 39.6 01 35 26.6 M _L =3.6	1.2 -2.1	0.8 0.16 0.8 0.17	GYA	88.9 300	P	16 28 27.0	0.5	24.0 1.29	
MDJ	6.4 50	ePg Sg SME	01 35 29.5 01 36 52.5 M _L =3.9	3.4 -0.6	0.7 0.073	TIY	90.1 312	+P	16 28 32.0	0.0	1.0 0.076	
NOV 11d 13h 42m 45.6±0.04s, SD2.52/19 26.40 N±0.64km, 92.89 E±0.46km, h31±0.16km India-Bangladesh border region (315) M _L 3.9/2, m _b 4.2/6,						XAN	90.8 307	+iP	16 28 35.0	-0.1	0.6 0.035	
LSA	3.6 335	-iPg Sn SMN SME	13 43 45.8 13 44 27.4 M _L =3.7	-4.7 3.9	0.3 0.20 0.3 0.20	KMI	91.5 297	eP	16 28 40.5	1.9	1.5 0.10	
LZH	13.4 41	eP PMZ	13 45 55.6 m _b =4.7	-1.5	1.5 0.023	HHC	92.3 314	-iP	16 28 42.3	0.1	1.0 0.044 5.0 0.35	
GTA	14.2 22	eP PMZ	13 46 06.6 m _b =4.1	-0.5	0.6 0.0020	BTO	93.2 313	eP	16 28 46.5	0.2	14.0 0.62 14.0 0.75	
NOV 11d 16h 15m 50.0±0.04s, SD1.31/353 24.16 S±1.05km, 177.40 W±1.02km, h177±0.22km South of Fiji (171) m _b 5.7/12, m _b 5.5/85,						CD2	93.2 302	eP	16 28 47.0	0.7	11.0 0.44 16.0 0.95	
QZH	78.9 304	eP PMZ	16 27 35.2 m _b =5.5	-0.6	0.7 0.078	XAN	90.8 307	+iP	16 28 35.0	-0.1	0.6 0.035	
SSE	80.5 310	+P PMZ PMZ sP sS LZ	16 27 40.0 m _b =5.1 m _b =5.8	-4.2	1.0 0.037 6.0 1.30	KMI	91.5 297	eP	16 28 40.5	1.9	1.5 0.10	
GZH	82.0 300	P PMZ PMZ	16 27 50.0 m _b =5.7 m _b =5.6	-2.3	1.0 0.14 8.0 0.98	HHC	92.3 314	-iP	16 28 42.3	0.1	1.0 0.044 5.0 0.35	
NOV 11d 16h 40m 09.9±0.04s, SD1.20/156 3.44 N±0.64km, 128.08 E±0.85km, h161±0.07km Molucca Passage (266)						LZH	95.4 307	eP	16 28 55.6	-0.9	1.2 0.043 5.0 0.34 9.0 1.05 20.0 0.84	



m _b 5.5/4, m _b 5.3/59,								PMZ		m _b =5.3		1.0 0.068	
QZH	23.2 338	-P	16 45 05.3	1.4				PMZ				4.0	0.59
		PMZ	m _b =5.4	0.7	0.089			pP	16 48 37.0	-1.8			
QZN	23.6 312	P	16 45 07.5	0.0				sP	16 48 52.2	-4.9			
		PMZ	m _b =5.5	1.2	0.16			PcP	16 49 47.0	0.8			
GZH	24.2 325	+iP	16 45 14.0	1.1				ScP	16 53 25.0	3.9			
SSE	28.3 347	-P	16 45 50.0	-0.4				S	16 54 24.8	2.3			
		PMZ	m _b =4.6	1.0	0.012			sS	16 55 21.0	-4.2			
WHN	29.9 336	-P	16 46 05.7	0.5				ScS	16 57 45.2	3.2			
		PMZ	m _b =5.4	1.5	0.12			LE			8.0	0.37	
		S	16 50 50.0	1.2				LZ			16.0	0.58	
		LZ			20.0	0.75	WMQ	53.7 324	-P	16 49 18.0	-0.1		
GYA	30.7 320	P	16 46 13.2	0.6				PMZ	m _b =5.5		0.5	0.049	
		PcP	16 49 06.4	0.8				pP	16 49 55.0	0.7			
		S	16 51 06.0	4.3				ScP	16 54 05.0	3.0			
		ScP	16 52 35.4	3.8				S	16 56 40.0	2.9			
		ScS	16 56 31.0	3.9				ScS	16 58 49.5	2.8			
		LZ			20.0	0.63		LZ			40.0	1.35	
KMI	32.6 314	+P	16 46 29.0	0.6				KSH	59.2 315	eP	16 49 58.0	0.7	
		PMZ	m _b =5.4	1.3	0.090			NOV 11d 17h 45m 56.9±0.03s, SD1.33/166					
TIA	34.1 344	-P	16 46 41.2	-0.6				17.95 N±0.81km, 105.58 W±0.69km, h8±0.28km					
		PMZ	m _b =4.8	1.4	0.029			Off coast of Jalisco, Mexico (54)					
XAN	35.3 332	-iP	16 46 51.3	-0.3				M _s 6.1/3, m _b 6.2/1, m _b 5.5/36					
		PMZ	m _b =5.7	0.5	0.093			WMQ	117.3 349	ePKP	18 04 46.0	1.8	
CD2	35.7 323	P	16 46 55.0	0.2						PP	18 05 54.5	-4.5	
		S	16 52 18.0	-0.2						LN	M _s =6.2	15.0	2.47
DL2	35.8 351	eP	16 46 55.4	-0.2						LZ	M _s =6.1	16.0	4.07
		PMZ	m _b =5.3	1.0	0.075			LZH	119.5 333	ePKP	18 04 48.0	-0.5	
TIY	37.0 339	-P	16 47 06.0	0.1						ePP	18 06 08.0	-5.5	
		PP	16 48 40.0	5.1						PPMZ	m _b =6.2	8.0	0.59
		LE			16.0	1.67				LE	M _s =6.1	17.0	2.03
		LZ			18.0	2.68				LZ	M _s =5.8	25.0	2.87
BJI	38.0 345	eP	16 47 14.0	-0.2				CD2	123.8 330	ePKP	18 04 57.5	0.7	
		PMZ	m _b =5.6	1.5	0.22			GYA	125.9 324	PKP	18 05 03.0	2.2	
		PcP	16 49 28.0	1.6				KMI	129.0 326	-PKP	18 05 10.0	3.0	
SNY	38.4 355	-P	16 47 17.4	-0.4						LZ	M _s =5.7	20.0	1.70
		PMZ	m _b =5.2	1.2	0.070			NOV 11d 22h 17m 38.3±0.05s, SD1.11/60					
LZH	39.4 328	-iP	16 47 27.5	1.1				21.00 S±0.05km, 178.95 W±0.58km, h615±0.67km					
		PMZ	m _b =5.7	1.8	0.31			Fiji region (181)					
		PMZ	m _b =5.7	4.0	0.69			m _b 5.0/22,					
		PP	16 49 05.0	2.0				MDJ	80.4 325	eP	22 28 48.5	-0.7	
		PcP	16 49 32.0	1.0				XAN	87.7 308	P	22 29 25.9	0.9	
		ScP	16 53 06.5	3.7						PMZ	m _b =4.6	0.8	0.0090
		S	16 53 19.0	3.9				NOV 11d 22h 34m 40.2±0.03s, SD1.16/441					
		SMN			7.0	0.0010		24.77 N±0.80km, 142.61 E±0.72km, h24±0.07km					
		ScS	16 57 18.0	3.8				Volcano Islands region (213)					
		LN			8.0	0.62		M _s 5.6/63, m _b 5.6/12, m _b 5.9/166					
		LZ			24.0	0.79		SSE	19.9 293	+P	22 39 13.2	-0.4	
HHC	40.1 340	-P	16 47 32.0	0.2						PMZ	m _b =5.4	1.0	0.19
		PMZ	m _b =5.1	1.0	0.044					sP	22 39 22.5	-2.0	
		PMZ	m _b =5.4	4.0	0.36					S	22 42 56.0	4.9	
		PP	16 49 06.0	-3.8						SS	22 43 19.5	0.5	
		PcP	16 49 35.0	1.9						LN	M _s =5.5	16.0	3.00
		S	16 53 30.0	5.1						LE		16.0	12.3
		LZ			28.0	1.04				LZ	M _s =5.6	20.0	26.2
CN2	40.3 357	P	16 47 32.0	-0.9				QZH	21.8 276	-P	22 39 34.2	1.5	
		PMZ	m _b =4.7	0.8	0.014					PMZ	m _b =5.7	1.0	0.37
		PMZ	m _b =5.1	5.0	0.24					S	22 43 24.0	-2.9	
		epP	16 48 09.5	1.9						LE	M _s =5.5	18.0	12.0
BTO	40.4 339	P	16 47 34.0	-0.4						LZ	M _s =5.5	20.0	18.3
MDJ	41.0 2	-iP	16 47 39.2	0.0				MDJ	22.5 335	-iP	22 39 39.0	-0.3	
		PMZ	m _b =5.5	1.2	0.15					PMZ	m _b =5.7	1.0	0.34
LSA	43.6 311	eP	16 48 00.3	-0.6						sP	22 39 52.0	1.7	
		IS	16 54 20.5	1.9						S	22 43 46.0	6.9	
		SMN			4.0	0.85				LN	M _s =5.9	17.0	16.6
GTA	44.0 328	-iP	16 48 04.4	0.6									



LSA	45.7 288	LE	$M_s = 5.6$	14.0	4.55
		LZ	$M_s = 5.6$	25.0	10.8
		P	22 43 02.2	-0.2	
		PMZ	$m_b = 6.3$	1.0	0.45
		S	22 49 41.0	-1.3	
WMQ	48.3 307	LN	$M_s = 5.5$	20.0	3.67
		-P	22 43 21.7	-0.3	
		PMZ	$m_b = 5.8$	0.8	0.11
		pP	22 43 28.0	-1.6	
		sP	22 43 35.0	2.0	
KSH	57.2 302	S	22 50 16.4	-1.9	
		ScS	22 53 09.0	-0.6	
		LE	$M_s = 6.0$	20.0	10.7
		LZ	$M_s = 5.9$	20.0	13.5
		P	22 44 29.6	1.3	
		LE	$M_s = 6.0$	16.0	6.70

South-western Ryukyu Islands				(246)
$M_L 3.7 / 6, m_b 4.4 / 12,$				
QZH	4.6 280	eP	00 44 50.3	-1.8
		S	00 45 39.0	-4.4
SSE	7.2 343	SMN	$M_L = 3.5$	0.6 0.076
		SME		1.0 0.072
		eP	00 45 27.7	-0.6
		PMZ	$m_b = 4.6$	0.5 0.012
		eS	00 46 45.0	-3.0
TIY	16.5 327	SME	$M_L = 3.5$	1.0 0.018
		eP	00 47 36.7	4.1
LZH	20.7 309	eP	00 48 21.0	-0.8
		PMZ	$m_b = 4.3$	1.5 0.023
GTA	25.1 313	sP	00 48 37.0	-3.6
		eP	00 49 04.8	-0.3
		PMZ	$m_b = 4.3$	1.2 0.0090

NOV 12d 01h 25m $33.8 \pm 0.04s$, SD1.23 / 108
 43.77 N $\pm 1.35km$, 147.92 E $\pm 0.85km$, h31 $\pm 0.27km$
 Kurile Islands (221)
 $M_s 4.5 / 4, m_b 5.6 / 1, m_b 4.9 / 44$

CN2	16.2 278	eP	01 29 21.0	-0.3
		epP	01 29 26.0	-2.4
		LN	$M_s = 4.0$	10.0 0.28
BJI	23.8 272	LE		10.0 0.24
		LZ	$M_s = 4.5$	18.0 2.33
		eP	01 30 46.0	0.6
TIA	24.7 263	PMZ	$m_b = 4.8$	1.3 0.055
		LZ	$M_s = 4.1$	20.0 0.60
		-P	01 30 54.5	1.0
HHC	26.9 276	PMZ	$m_b = 4.4$	1.0 0.015
		P	01 31 15.0	0.4
		TIY	27.4 270	eP
BTO	28.1 277	pP	01 31 29.0	1.3
		eP	01 31 24.5	-1.0
		XAN	31.6 265	P
LZH	34.3 272	+P	01 32 20.0	-0.3
		PMZ	$m_b = 5.3$	1.4 0.066
		pP	01 32 29.0	0.0
GTA	35.8 280	sP	01 32 36.0	3.2
		LE	$M_s = 4.7$	9.0 0.47
		LZ	$M_s = 4.2$	17.0 0.39
CD2	37.0 265	-P	01 32 33.4	0.2
		PMZ	$m_b = 4.8$	1.2 0.020
		PMZ	$m_b = 5.6$	3.5 0.40
WMQ	42.6 292	pP	01 32 40.3	-1.6
		sP	01 32 44.6	-1.1
		LE	$M_s = 4.4$	12.0 0.30
CD2	37.0 265	LZ	$M_s = 4.5$	13.0 0.59
		eP	01 32 39.0	-3.5
		WMQ	42.6 292	P
WMQ	42.6 292	PMZ	$m_b = 4.9$	1.0 0.019
		pP	01 33 38.5	0.2
		eS	01 39 50.0	-0.2
		LZ	$M_s = 4.9$	16.0 1.41

NOV 13d 02h 14m $53.5 \pm 0.05s$, SD1.39 / 113
 8.96 S $\pm 0.85km$, 158.34 E $\pm 0.97km$, h29 $\pm 0.12km$
 Solomon Islands (193)
 $M_s 5.0 / 4, m_b 5.5 / 4, m_b 5.2 / 35$

SSE	53.4 320	P	02 24 16.0	2.6
		S	02 31 44.0	2.6
MDJ	59.3 336	LZ	$M_s = 4.8$	20.0 0.90
		eP	02 24 56.0	0.3
		SNY	59.7 330	eP
CN2	60.4 333	eP	02 25 02.4	-0.7
		PMZ	$m_b = 5.1$	1.0 0.027
		PMZ	$m_b = 5.7$	6.0 0.59
TIA	24.7 263	pP	02 25 08.5	-3.4
		eS	02 33 16.0	1.2
		LN	$M_s = 5.0$	15.0 0.34
HHC	26.9 276	LE		15.0 0.46
		LZ	$M_s = 5.1$	19.0 1.41
		GYA	61.3 307	P
BJI	62.4 324	LZ	$M_s = 5.1$	22.0 1.54
		eP	02 25 17.0	0.3
		eS	02 33 40.0	-0.4
XAN	63.4 315	eSKS	02 35 04.0	1.9
		eSS	02 37 42.0	-2.8
		LZ	$M_s = 4.8$	18.0 0.65
KMI	63.9 304	eP	02 25 22.0	-1.4
		PMZ	$m_b = 4.6$	0.6 0.0050
		CD2	65.6 310	-P
HHC	65.6 323	PMZ	$m_b = 5.3$	1.8 0.070
		eP	02 25 38.8	1.2
		LZ	$M_s = 4.9$	22.0 0.96
BTO	66.4 322	eP	02 25 39.3	1.4
		eS	02 34 19.5	-1.1
		LZ	$M_s = 4.8$	24.0 0.81
LZH	68.0 315	eP	02 25 44.0	1.1
		epP	02 25 52.0	0.3
		LN	$M_s = 5.0$	12.0 0.23
GTA	72.4 316	LE		12.0 0.27
		eP	02 25 54.2	1.1
		PMZ	$m_b = 5.2$	1.4 0.041
GTA	72.4 316	PMZ	$m_b = 5.5$	6.0 0.39
		pP	02 26 04.5	2.6
		sP	02 26 09.0	3.4
GTA	72.4 316	PP	02 28 27.0	2.7
		eS	02 34 50.0	0.3
		sS	02 35 06.0	1.8
GTA	72.4 316	eSS	02 39 13.0	1.3
		LE	$M_s = 5.4$	20.0 1.38
		LZ	$M_s = 5.0$	20.0 0.99
GTA	72.4 316	eP	02 26 20.2	0.4
		PMZ	$m_b = 5.1$	0.8 0.017
		PMZ	$m_b = 5.5$	8.0 0.43

NOV 12d 08h 53m $34.2 \pm 0.05s$, SD1.45 / 37
 31.08 S $\pm 0.66km$, 178.56 W $\pm 1.02km$, h105 $\pm 0.46km$
 Kermadec Islands region (177)
 $m_b 5.1 / 12,$

WHN	88.4 307	+eP	09 06 19.0	2.8
TIA	90.1 313	+P	09 06 24.2	-0.1
CN2	90.4 323	+P	09 06 24.8	-0.9
		PMZ	$m_b = 5.2$	0.8 0.016
		epP	09 06 57.0	4.2

NOV 13d 00h 43m $43.3 \pm 0.04s$, SD1.50 / 31
 24.20 N $\pm 0.72km$, 123.58 E $\pm 0.42km$, h57 $\pm 0.42km$



BTO	35.2	338	LZ	$M_S = 6.4$	25.0	92.3	XAN	142.9	353	ePKP	13 41 01.5	-2.7					
			-iP	11 19 05.5	-0.9			WHN	145.1	344	-iPKP	13 41 09.0	0.9				
			PMZ	$m_b = 5.9$	1.8	0.34		LSA	145.5	19	-iPKP	13 41 09.1	-0.1				
			PMZ	$m_B = 6.4$	8.0	5.07		CD2	146.3	360	ePKP	13 41 12.1	1.9				
			PP	11 20 26.0	0.6			NOV 13d 17h 36m $39.5 \pm 0.02s$, SD1.32 / 9 $39.29 N \pm 0.23km$, $122.67 E \pm 0.21km$, $h10 \pm 0.07km$ North-Eastern China (658) $M_L 3.2 / 9$,									
			SS	11 26 54.0	0.3												
LN	$M_S = 6.5$	21.0	59.0														
CN2	35.3	359	LE		14.0	12.4	DL2	0.9	245	Pn	17 36 56.5	-2.1					
			+iP	11 19 06.4	-0.4					Pg	17 36 57.8	2.4					
			PMZ	$m_b = 5.7$	1.0	0.12				Sg	17 37 10.5	2.7					
			PMZ	$m_B = 6.7$	7.0	8.83				SMN	$M_L = 3.2$	0.3	0.61				
			sP	11 19 22.0	1.8					SME		0.3	0.62				
			ePP	11 20 24.0	-2.1					SNY	2.6	15	+iPn	17 37 23.4	1.1		
MDJ	36.2	4	PcP	11 21 39.5	2.8						Pg	17 37 26.8	1.0				
			LN	$M_S = 6.1$	15.0	14.2				Sg	17 37 55.4	-6.3					
			LE		15.0	12.5				SMN	$M_L = 3.4$	0.6	0.23				
			LZ	$M_S = 6.3$	22.0	54.8				SME		0.8	0.19				
			+iP	11 19 15.4	0.9					CN2	5.0	24	ePg	17 38 06.4	-0.7		
			PMZ	$m_b = 6.7$	1.6	1.98				eSg	17 39 09.5	-5.4					
GTA	39.0	327	PMZ	$m_B = 7.0$	8.0	19.2					SMN	$M_L = 3.4$	0.8	0.039			
			PP	11 20 38.0	1.0					SME		0.8	0.047				
			LN	$M_S = 6.5$	18.5	34.0				NOV 13d 19h 20m $03.5 \pm 0.02s$, SD0.89 / 274 $33.50 N \pm 0.55km$, $137.87 E \pm 0.42km$, $h308 \pm 0.22km$ Near south coast of Honshu (230) $m_b 5.2 / 8$, $m_b 5.4 / 142$,							
			LE		18.5	39.4											
			LZ	$M_S = 6.3$	35.0	95.7											
			LSA	39.2	307	+iP	11 19 38.6	0.5									
PMZ	$m_b = 6.2$	0.8				0.30											
PMZ	$m_B = 6.5$	8.5				7.43											
pP	11 19 50.0	2.6															
sP	11 19 55.0	3.5															
PP	11 21 12.0	0.6															
WMQ	48.7	323	PcP	11 21 47.2	-0.7												
			ScP	11 25 32.6	0.5												
			S	11 25 34.0	0.5												
			PcS	11 25 37.4	1.2												
			sS	11 25 52.0	1.8												
			SS	11 28 18.0	-0.1												
KSH	54.6	313	ScS	11 29 42.0	0.0												
			LE	$M_S = 6.8$	20.0	97.6											
			LZ	$M_S = 6.5$	32.0	125											
			+iP	11 19 40.5	0.1												
			PMZ	$m_b = 6.8$	5.0	8.22											
			pP	11 19 53.0	3.6												
TIY	138.7	349	LN	$M_S = 6.4$	20.0	41.6											
			+iP	11 20 57.4	0.6												
			PMZ	$m_b = 5.9$	1.2	0.21											
			PMZ	$m_B = 6.7$	12.0	12.1											
			sP	11 21 14.0	3.7												
			PcP	11 22 23.0	1.9												
TIA	137.7	4	PP	11 22 50.0	0.8												
			ScP	11 26 10.0	-1.8												
			PcS	11 26 11.0	-4.8												
			S	11 27 58.0	2.7												
			sS	11 28 17.0	4.7												
			ScS	11 30 42.5	-0.2												
BJI	138.7	349	LN	$M_S = 6.9$	19.0	85.8											
			LZ	$M_S = 6.7$	28.0	107											
			+iP	11 21 42.0	1.1												
			S	11 29 20.0	4.4												
			LN	$M_S = 6.5$	16.0	18.3											
			LE		15.0	14.4											
SSE	14.3	265															
DL2	14.2	297															
SNY	14.0	310															
MDJ	12.8	332															
CN2	14.1	320															
TIA	17.2	285															
BJI	18.5	297															
NOV 13d 13h 21m $47.4 \pm 0.06s$, SD1.18 / 139 $2.93 N \pm 0.43km$, $76.47 W \pm 0.65km$, $h150 \pm 0.55km$ Colombia (103) $m_b 5.1 / 57$,							-P S -P PMZ esP S ScP LE LZ -P S -P PMZ esP	19 23 46.6 19 26 50.0 19 23 59.5 $m_b = 5.6$ 19 25 24.0	-0.4 3.7 -0.7 1.2 1.1	0.39							
GTA	137.7	4	PKP	13 40 56.8	1.6												
			ePKP	13 40 53.2	-3.8												
			LZ		30.0	1.72											



			LN		$M_s=4.5$	15.0	0.32				PMZ		$m_b=4.7$	1.2	0.022
			LE			18.0	1.08	CD2	75.8	308	eP	10 53	41.0	0.1	
			LZ		$M_s=4.6$	19.0	1.84	BTO	76.2	319	eP	10 53	43.0	-0.1	
BTO	24.9	282	eP	07 51	26.0	-1.3		LZH	78.1	312	-P	10 53	54.5	0.8	
			epP	07 51	33.5	-4.6									
			LN		$M_s=4.7$	13.0	0.26				PMZ		$m_b=5.1$	1.4	0.055
			LE			16.0	1.27				PMZ		$m_b=5.2$	4.0	0.21
WHN	24.9	257	-P	07 51	27.5	-0.2					cS	11 03	33.0	3.7	
			PMZ		$m_b=5.4$	0.7	0.10	GTA	82.5	314	-P	10 54	17.6	1.0	
			ipP	07 51	39.5	0.8					PMZ		$m_b=5.1$	1.0	0.034
			S	07 55	42.0	-2.5					ScS	11 04	21.8	-2.6	
			LE		$M_s=4.4$	10.0	0.50	WMQ	92.5	315	P	10 55	05.0	0.2	
			LZ		$M_s=4.2$	20.0	0.75				PMZ		$m_b=5.1$	1.4	0.031
QZH	25.2	241	eP	07 51	31.0	0.8		NOV 17d 20h 21m $49.7 \pm 0.17s$, $SD2.14 / 10$							
XAN	27.5	268	P	07 51	50.0	-1.8		22.92 N $\pm 1.35km$, 99.63 E $\pm 0.91km$, $h33 \pm km$							
GZH	30.0	245	P	07 52	15.2	1.3		Burma-China border region (297)							
LZH	30.7	275	-P	07 52	19.0	-1.3		$M_s4.2 / 1$, $M_L4.0 / 7$, $m_b4.2 / 1$							
			PMZ		$m_b=5.1$	1.5	0.057	KMI	3.6	51	ePn	20 22	44.5	0.4	
			PMZ		$m_b=5.2$	5.0	0.20				Pg	20 22	55.0	1.3	
			pP	07 52	31.0	-0.3					Sn	20 23	23.0	-4.0	
			sP	07 52	37.0	0.6					Sg	20 23	40.0	-3.3	
			LE		$M_s=4.7$	10.0	0.62				SMN		$M_L=4.4$	1.7	0.86
			LZ		$M_s=4.3$	20.0	0.59				SME			2.5	0.99
GTA	32.8	283	P	07 52	38.0	-0.5					LN		$M_s=4.2$	6.0	1.40
			PMZ		$m_b=5.6$	1.0	0.092				LE			6.0	2.00
			pP	07 52	47.6	-2.0		GTA	16.4	1	P	20 25	43.4	3.5	
			PcP	07 55	24.0	2.0					PMZ		$m_b=4.2$	0.8	0.0090
			PcS	07 59	08.8	2.8					pP	20 25	48.6	1.5	
			LE		$M_s=4.9$	18.0	1.77				sP	20 25	51.8	0.1	
			LZ		$M_s=4.8$	18.0	1.75	NOV 17d 20h 46m $37.4 \pm 0.07s$, $SD1.61 / 55$							
CD2	32.8	266	eP	07 52	37.3	-1.2		4.91 S $\pm 1.18km$, 100.73 W $\pm 1.53km$, $h2 \pm 0.55km$							
GYA	32.8	257	+iP	07 52	38.4	-0.4		Northern Easter I. Cordillera (694)							
			PMZ		$m_b=5.6$	1.0	0.10	$m_b5.3 / 8$,							
			LZ		$M_s=4.4$	20.0	0.81	CD2	145.4	321	PKP	21 06	18.0	-0.2	
KMI	36.5	258	+P	07 53	10.5	0.2		GYA	146.2	312	PKP	21 06	20.6	1.0	
			PMZ		$m_b=5.7$	1.5	0.19	KMI	149.8	314	ePKP	21 06	25.0	-0.6	
			LZ		$M_s=4.8$	16.0	1.20				pPKP	21 06	30.0	5.1	
WMQ	40.5	294	+iP	07 53	44.0	0.6		NOV 18d 08h 56m $05.8 \pm 0.04s$, $SD1.46 / 117$							
			PMZ		$m_b=5.4$	1.0	0.064	37.90 N $\pm 0.85km$, 142.71 E $\pm 0.84km$, $h22 \pm 0.36km$							
			sP	07 53	55.0	-4.9		Off east coast of Honshu (229)							
			S	07 59	49.5	1.7		$M_s4.3 / 15$, $m_b4.9 / 43$,							
			LZ		$M_s=4.6$	16.0	0.74	MDJ	11.9	308	eP	08 59	00.0	2.2	
LSA	43.0	273	eP	07 54	04.7	-0.1					PMZ		$m_b=5.3$	0.8	0.053
NOV 17d 10h 42m $16.0 \pm 0.05s$, $SD1.19 / 226$															
14.51 S $\pm 0.82km$, 167.23 E $\pm 0.83km$, $h217 \pm 0.27km$															
Vanuatu (New Hebrides) (186)															
$m_b5.2 / 1$, $m_b5.2 / 70$,															
SSE	63.3	316	-P	10 52	23.5	-1.1					pP	08 59	04.2	0.6	
			PMZ		$m_b=4.6$	1.0	0.012				LN		$M_s=4.3$	14.0	0.90
			LN			11.0	0.20	CN2	14.3	300	eP	08 59	31.0	1.4	
			LE			11.0	0.20				PMZ		$m_b=4.6$	1.0	0.011
			LZ			16.0	0.40				epP	08 59	35.0	-0.5	
QZN	65.6	299	P	10 52	40.0	0.7		SNY	15.2	291	eP	08 59	40.8	-0.3	
WHN	67.8	312	-P	10 52	52.5	-0.4					LE		$M_s=4.2$	11.0	0.68
MDJ	68.1	332	+P	10 52	54.4	-0.4					LZ		$M_s=4.4$	14.0	1.65
			PMZ		$m_b=5.2$	0.8	0.036	DL2	16.6	280	eP	08 59	58.8	0.3	
TIA	69.1	318	eP	10 53	00.8	-0.6					PMZ		$m_b=5.1$	1.0	0.085
CN2	69.4	329	eP	10 53	02.5	-0.7		SSE	19.0	255	P	09 00	28.5	-0.1	
			PMZ		$m_b=4.9$	0.8	0.021				PMZ		$m_b=4.4$	1.0	0.017
GYA	71.6	305	P	10 53	16.2	0.1					epP	09 00	33.0	-1.7	
			PMZ		$m_b=4.9$	1.0	0.023				LN		$M_s=4.1$	13.0	0.30
BJI	72.1	321	eP	10 53	18.5	-0.5		TIA	20.5	273	eP	09 00	43.0	-2.1	
			PMZ		$m_b=4.4$	0.7	0.0050	BJI	20.7	284	eP	09 00	45.5	-2.1	
XAN	73.5	313	P	10 53	27.1	-0.5					PMZ		$m_b=4.7$	1.2	0.044
KMI	74.2	302	-P	10 53	32.0	0.5		TIY	23.9	279	eP	09 01	16.5	-2.6	
			PMZ		$m_b=5.4$	1.0	0.080				LE		$M_s=4.3$	15.0	0.54
HHC	75.4	320	+P	10 53	38.4	0.0									

HHC	24.2	287	LZ	$M_s=4.2$	20.0	0.75
			P	09 01 20.6	-1.6	
			LE	$M_s=4.4$	14.0	0.67
			LZ	$M_s=4.6$	15.0	1.30
WHN	24.5	261	-eP	09 01 26.0	0.9	
			PMZ	$m_b=4.9$	1.0	0.046
			pP	09 01 33.5	1.2	
BTO	25.4	286	eP	09 01 32.5	-1.1	
			LN	$M_s=4.6$	13.0	0.26
			LE		13.0	0.96
XAN	27.5	272	P	09 01 52.5	-0.9	
LZH	30.9	279	P	09 02 23.5	-0.6	
			PMZ	$m_b=4.8$	1.5	0.028
			pP	09 02 27.5	-3.7	
GYA	32.4	260	+iP	09 02 36.2	-0.5	
			PMZ	$m_b=5.1$	1.0	0.033
			pP	09 02 44.0	0.2	
CD2	32.7	270	-iP	09 02 39.6	0.2	
GTA	33.3	286	P	09 02 44.2	-0.5	
			PMZ	$m_b=5.6$	1.0	0.099
			pP	09 02 52.2	0.4	
			PcP	09 05 27.6	1.8	
KMI	36.1	261	+P	09 03 08.5	-0.2	
			PMZ	$m_b=5.2$	1.5	0.060
WMQ	41.4	296	P	09 03 53.5	1.0	
			PMZ	$m_b=5.3$	0.8	0.044
			pP	09 03 58.2	-1.6	
			sP	09 04 05.2	2.0	
			LZ	$M_s=4.7$	14.0	0.74
LSA	43.2	275	eP	09 04 07.0	-0.6	

NOV 18d 11h 06m $42.4 \pm 0.05s$, $SD1.49 / 120$
 $3.51 N \pm 0.79km$, $126.56 E \pm 1.07km$, $h26 \pm 0.09km$
 Talaud Islands (263)
 $M_s4.9 / 30$, $m_b4.9 / 1$, $m_b5.0 / 34$

QZN	22.5	315	eP	11 11 45.4	4.1	
			eS	11 15 45.0	3.2	
			LN	$M_s=4.8$	14.0	2.00
QZH	22.6	341	eP	11 11 44.5	1.5	
			S	11 15 42.0	-2.2	
			LE	$M_s=4.6$	20.0	1.70
			LZ	$M_s=4.8$	22.0	3.48
SSE	27.9	350	P	11 12 34.0	1.3	
			PMZ	$m_b=4.9$	1.6	0.045
			S	11 17 14.0	1.5	
			LE	$M_s=4.8$	15.0	1.30
			LZ	$M_s=4.6$	20.0	1.40
WHN	29.3	338	eP	11 12 45.0	0.1	
			pP	11 12 57.0	4.1	
			S	11 17 32.0	-2.2	
			LE	$M_s=5.1$	23.0	3.75
			LZ	$M_s=4.7$	24.0	2.03
GYA	29.7	322	P	11 12 49.0	-0.3	
			LN	$M_s=5.1$	18.0	2.07
			LE		18.0	2.34
			LZ	$M_s=4.9$	20.0	2.88
KMI	31.4	315	eP	11 13 04.5	0.1	
			PMZ	$m_b=5.2$	1.6	0.070
			pP	11 13 12.0	-0.1	
			LE	$M_s=4.8$	7.0	0.50
			LZ	$M_s=4.8$	20.0	1.90
TIA	33.7	346	eP	11 13 23.9	0.1	
			LE	$M_s=5.1$	26.0	3.97
			LZ	$M_s=4.3$	26.0	0.77
XAN	34.5	334	P	11 13 28.1	-3.1	
			pP	11 13 35.6	-3.6	
			S	11 18 56.0	-0.8	
			LN	$M_s=4.9$	13.0	0.67

CD2	34.7	324	LE			
			eP	11 13 33.2	0.4	
			LZ	$M_s=4.6$	20.0	1.11
DL2	35.5	353	P	11 13 39.6	0.1	
			PMZ	$m_b=5.4$	1.0	0.074
			eS	11 19 10.0	-2.8	
			LN	$M_s=4.9$	16.0	1.28
			LZ	$M_s=4.5$	20.0	0.92
BJI	37.6	347	eP	11 13 57.5	0.8	
			PMZ	$m_b=5.1$	1.0	0.030
			epP	11 14 05.0	0.1	
			eS	11 19 40.0	-4.2	
			LZ	$M_s=4.4$	20.0	0.66
SNY	38.2	356	-P	11 14 02.0	-0.5	
			PMZ	$m_b=5.3$	0.8	0.038
			S	11 19 55.0	1.3	
			LN	$M_s=4.9$	16.0	1.12
			LZ	$M_s=4.9$	18.0	1.55
LZH	38.6	330	-P	11 14 07.5	1.8	
			PMZ	$m_b=5.2$	1.5	0.057
			PMZ	$m_b=4.9$	10.0	0.21
			pP	11 14 14.0	0.3	
			sP	11 14 18.5	1.3	
			PP	11 15 36.5	-1.0	
			eS	11 19 56.0	-4.5	
			LN	$M_s=5.3$	20.0	3.11
			LZ	$M_s=5.1$	22.0	3.08
BTO	39.8	340	eP	11 14 17.0	1.2	
			LN	$M_s=5.0$	17.0	1.03
			LE		17.0	0.87
CN2	40.1	359	P	11 14 20.0	1.8	
			PMZ	$m_b=4.7$	1.0	0.014
			epP	11 14 30.0	3.7	
			eS	11 20 20.0	-3.2	
			LN	$M_s=4.8$	17.0	0.71
			LE		17.0	0.64
			LZ	$M_s=5.1$	20.0	2.55
MDJ	41.0	3	eP	11 14 25.2	-0.4	
			PMZ	$m_b=5.5$	1.0	0.074
			S	11 20 42.0	6.5	
			LZ	$M_s=4.8$	24.0	1.51
LSA	42.5	312	eP	11 14 33.6	-4.2	
GTA	43.2	329	eP	11 14 44.0	0.4	
			PMZ	$m_b=4.6$	1.0	0.0090
			pP	11 14 51.3	-0.3	
			LN	$M_s=4.8$	15.0	0.69
			LZ	$M_s=4.1$	20.0	0.24
WMQ	52.8	325	+P	11 15 57.5	-0.8	
			PMZ	$m_b=5.5$	2.0	0.12
			sP	11 16 05.2	-4.7	
			ScS	11 25 43.5	1.6	
			LZ	$M_s=5.0$	20.0	1.54

NOV 18d 11h 36m $05.8 \pm 0.04s$, $SD1.24 / 52$
 $24.17 S \pm 0.63km$, $176.14 W \pm 0.64km$, $h64 \pm 0.60km$
 South of Fiji (171)
 $m_b5.2 / 12$,

MDJ	84.5	324	eP	11 48 33.7	-0.1	
			PMZ	$m_b=5.2$	0.7	0.019
CN2	86.2	322	+P	11 48 42.0	-0.5	
			PMZ	$m_b=4.9$	1.0	0.011
			epP	11 49 01.0	2.2	
TIA	87.0	312	eP	11 48 45.8	-0.4	
TIY	91.0	311	eP	11 49 05.0	-0.2	
XAN	91.7	307	+P	11 49 09.1	0.6	

NOV 19d 01h 04m $17.0 \pm 0.06s$, $SD2.25 / 41$
 $32.44 N \pm 0.67km$, $93.66 E \pm 0.60km$, $h33 \pm 0.04km$



(306)

Tibet
 $M_s 4.1 / 6, M_L 3.8 / 2, m_b 4.5 / 14$

LSA	3.5	219	Pg	01 05	16.4	-2.9		
			iSg	01 06	11.4	4.9		
			SMN		$M_L = 3.9$		1.0	0.21
			SME				1.0	0.41
GTA	8.6	34	eP	01 06	20.0	-1.8		
			PMZ		$m_b = 4.2$		0.7	0.0060
CD2	8.7	97	-iP	01 06	24.9	0.7		
			eS	01 08	06.0	3.3		
			LE		$M_s = 4.1$		8.0	0.83
			LZ		$M_s = 4.1$		8.0	0.85
LZH	9.2	64	eP	01 06	34.0	3.6		
			PMZ		$m_b = 4.5$		1.2	0.016
			LE		$M_s = 3.9$		7.0	0.39
			LZ		$M_s = 3.7$		10.0	0.43
GYA	12.8	114	P	01 07	17.4	-2.3		
XAN	12.9	79	eP	01 07	17.9	-2.8		
BTO	15.4	54	eP	01 07	57.0	2.5		
TIY	16.2	66	eP	01 08	03.0	-1.5		
			LN		$M_s = 3.9$		8.0	0.21
HHC	16.6	55	eP	01 08	11.2	1.8		
SSE	23.4	86	-P	01 09	24.6	0.3		
			PMZ		$m_b = 4.3$		0.8	0.010
			LN		$M_s = 4.3$		13.0	0.40
			LE				13.0	0.30
			LZ		$M_s = 4.3$		12.0	0.60

NOV 19d 05h 34m $35.3 \pm 0.08s, SD2.37 / 68$
 $1.48 S \pm 1.19km, 134.27 E \pm 2.22km, h24 \pm 0.38km$
 West Irian region (196)
 $M_s 4.4 / 2, m_b 5.2 / 15,$

SSE	34.7	340	+P	05 41	30.0	4.2		
			PMZ		$m_b = 5.0$		1.0	0.025
			eS	05 47	00.0	6.3		
			LE		$M_s = 4.3$		13.0	0.30
			LZ		$M_s = 4.2$		20.0	0.40
KMI	40.4	313	+P	05 42	16.0	2.1		
			PMZ		$m_b = 5.2$		1.5	0.060
			pP	05 42	25.0	3.6		
TIA	40.8	339	eP	05 42	17.7	1.1		
XAN	42.6	328	eP	05 42	35.0	3.1		
CD2	43.4	321	eP	05 42	38.4	0.5		
TIY	43.9	335	eP	05 42	46.8	4.2		
BJI	44.5	340	eP	05 42	47.0	-0.2		
LZH	46.9	326	eP	05 43	06.0	-0.4		
			PMZ		$m_b = 5.1$		2.0	0.053
			pP	05 43	16.5	2.5		
HHC	46.9	336	eP	05 43	08.0	1.4		
BTO	47.4	335	eP	05 43	10.6	0.7		
GTA	51.5	326	eP	05 43	43.8	1.9		
			pP	05 43	51.8	2.3		
LSA	51.5	311	eP	05 43	43.0	0.7		
WMQ	61.3	323	P	05 44	50.5	-1.6		
			PP	05 47	12.5	4.1		

NOV 19d 11h 56m $38.0 \pm 0.04s, SD0.95 / 84$
 $8.49 N \pm 0.89km, 39.52 W \pm 0.69km, h10 \pm 0.05km$
 North Atlantic Ocean (402)
 $m_b 5.0 / 48,$

LZH	123.9	36	ePKP	12 15	38.5	0.7		
HHC	124.2	26	ePKP	12 15	38.0	-0.3		

NOV 19d 13h 29m $20.9 \pm 0.04s, SD1.38 / 45$
 $56.06 S \pm 1.57km, 123.44 W \pm 1.21km, h10 \pm 0.14km$
 Easter Island Cordillera (684)
 $M_s 5.8 / 4, m_b 5.8 / 2, m_b 5.1 / 6$

TIY	138.9	268	ePKP	13 48	49.0	0.0		
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			LE		$M_s = 5.7$	14.0	0.55	
			LZ		$M_s = 5.8$	18.0	1.46	
LZH	142.5	258	ePKP	13 48	54.0	-1.4		
			PP	13 52	00.0	-5.4		
			PPMZ		$m_b = 5.9$		7.0	0.43
			PKS	13 52	30.0	1.7		
			LE		$M_s = 5.8$		20.0	1.03
			LZ		$M_s = 5.5$		25.0	0.90
LSA	144.1	237	PKP	13 48	56.7	-1.7		
GTA	147.1	258	-PKP	13 49	05.6	2.3		
			PP	13 52	36.0	2.9		
			LE		$M_s = 5.7$		18.0	0.71
			LZ		$M_s = 5.7$		20.0	1.18

NOV 19d 17h 49m $39.1 \pm 0.04s, SD1.20 / 136$
 $43.49 N \pm 1.15km, 147.70 E \pm 0.81km, h33 \pm 0.21km$
 Off coast of Hokkaido (225)
 $M_s 4.3 / 1, m_b 4.9 / 59,$

MDJ	13.1	281	eP	17 52	47.0	1.6		
			PMZ		$m_b = 5.0$		1.0	0.027
CN2	16.1	279	eP	17 53	25.0	0.1		
			PMZ		$m_b = 4.2$		0.8	0.0090
			epP	17 53	33.0	0.8		
			LZ		$M_s = 4.4$		18.0	1.74
SNY	17.8	273	eP	17 53	42.0	-4.2		
BJI	23.7	273	eP	17 54	50.0	1.0		
			PMZ		$m_b = 4.4$		1.0	0.015
			LZ		$M_s = 3.9$		17.0	0.35
SSE	24.3	248	eP	17 54	57.5	2.2		
			LZ		$M_s = 4.0$		20.0	0.50
TIA	24.5	263	-P	17 54	56.3	-0.4		
			PMZ		$m_b = 5.2$		1.4	0.12
HHC	26.8	277	+P	17 55	18.2	-0.3		
			PMZ		$m_b = 5.0$		1.2	0.038
TIY	27.3	270	eP	17 55	22.5	-0.2		
BTO	28.0	277	P	17 55	29.2	-0.2		
WHN	29.4	255	P	17 55	41.5	-0.3		
			pP	17 55	52.5	1.6		
XAN	31.4	266	-P	17 55	58.9	-1.1		
LZH	34.2	273	+iP	17 56	24.5	0.5		
			PMZ		$m_b = 5.4$		1.2	0.080
			pP	17 56	37.0	4.0		
			LN		$M_s = 4.3$		13.0	0.29
			LZ		$M_s = 4.0$		20.0	0.30
GTA	35.7	280	+P	17 56	37.0	-0.3		
			pP	17 56	41.4	-4.9		
			LZ		$M_s = 4.4$		16.0	0.58
GYA	37.2	257	P	17 56	49.6	-0.4		
WMQ	42.6	292	+P	17 57	34.0	0.0		
			PMZ		$m_b = 5.3$		1.0	0.043
			pP	17 57	39.0	-4.2		
			LZ		$M_s = 4.8$		16.0	1.04
LSA	46.6	272	iP	17 58	06.0	-0.8		

NOV 19d 22h 28m $50.7 \pm 0.05s, SD1.52 / 465$
 $4.61 N \pm 1.01km, 77.40 W \pm 1.00km, h21 \pm 0.14km$
 Near west coast of Colombia (102)
 $M_s 7.6 / 42, m_b 6.8 / 24, m_b 6.3 / 65$

MDJ	125.3	337	Pdif	22 44	28.0	-0.5		
			PP	22 49	38.5	-6.3		
			PPMZ		$m_b = 6.8$		11.0	4.52
			LN		$M_s = 7.8$		24.0	121
			LE				18.0	16.2
			LZ		$M_s = 7.7$		25.0	193
CN2	127.6	339	Pdif	22 44	40.0	1.6		
			+PKP	22 47	55.0	0.4		
			sPKP	22 48	04.0	0.0		
			PPMZ		$m_b = 7.0$		12.0	8.58

WMQ	130.0	14	LN	$M_s=7.8$	23.0	93.3	XAN	141.1	352	PKP	22 48 16.6	-4.4	10.9	11.2				
			LE		23.0	69.1	PP	22 51 19.0	-6.1									
			LZ	$M_s=7.6$	23.0	149	PPMZ	$m_B=7.1$										
			Pdif	22 44 52.0	3.1	SKKS	22 58 06.0	-6.4										
			PKP	22 48 01.0	1.9	LN	$M_s=7.7$	23.0	76.8									
			PP	22 50 10.0	-5.2	LE		21.0	47.7									
			PPMZ		16.0	21.1	WHN	143.3	343	+PKP	22 48 20.0	-4.6						
			PKS	22 51 36.0	1.9	ePKP2	22 48 23.2	1.6										
			SKKS	22 57 08.0	3.4	isPKP	22 48 32.0	-0.8										
			LE	$M_s=7.7$	22.0	102	PPMZ	$m_B=6.7$	9.0	3.61								
SNY	130.0	340	LZ	$M_s=7.1$	28.0	47.2	PKS	22 51 56.0	-1.6	10.9	11.2							
			+Pdif	22 44 52.0	3.1	LN	$M_s=7.6$	22.0	58.8									
			PKP	22 48 00.0	0.8	LE		20.0	16.4									
			PP	22 50 13.0	-2.4	LZ	$M_s=7.4$	26.0	84.5									
			PPMZ		18.0	9.22	LSA	144.2	17			PKP	22 48 23.4	-3.2				
			PKS	22 51 31.0	-3.2	LN	$M_s=7.2$	17.0	22.1									
			LN	$M_s=7.7$	26.0	121	CD2	144.7	358			ePKP	22 48 26.7	-0.4				
			LZ	$M_s=7.4$	27.0	93.5	PPMZ		18.0			16.4						
			ePdif	22 45 10.0	4.1	SS	23 10 34.0	4.0										
			ePKP	22 48 08.0	1.5	LE	$M_s=7.5$	20.0	47.3									
BJI	133.9	346	ePP	22 50 40.0	-0.5	LZ	$M_s=7.3$	27.0	56.9	10.9	11.2							
			PPMZ	$m_B=6.7$	10.0	3.91	QZH	146.8	333			+iPKP	22 48 32.0	1.4				
			eSS	23 08 18.0	-5.5	GYA	148.9	353	PKP			22 48 37.4	3.2					
			LN	$M_s=7.6$	26.0	91.8	PP	22 52 16.0	5.2									
			+PKP	22 48 10.0	1.8	SKKS	22 59 00.0	3.0										
			PP	22 50 42.0	0.4	SS	23 11 12.0	-5.3										
			PPMZ		22.0	11.9	LN	$M_s=7.6$	18.0			29.9						
			LN	$M_s=7.8$	23.0	104	LE		18.0			37.8						
			LE		21.0	47.5	LZ	$M_s=7.4$	24.0			68.9						
			LZ	$M_s=7.6$	24.0	130	KMI	150.4	360			+PKP	22 48 38.0	1.2				
BTO	134.5	352	ePKP	22 48 04.0	-5.0	pPKP	22 48 46.5	4.3	10.9	11.2								
			sPKP	22 48 15.0	-2.1	PKP2	22 48 50.0	0.8										
			PP	22 50 38.0	-6.5	PP	22 52 20.0	0.0										
			PPMZ		13.0	7.49	PPMZ	$m_B=6.9$			11.0	8.50						
			PKS	22 51 39.0	-3.5	SKKS	22 59 12.0	6.8										
			SKKS	22 57 27.0	-5.8	SS	23 11 32.0	-2.4										
			LN	$M_s=7.8$	25.0	99.7	LN	$M_s=7.4$			22.0	14.7						
			LE		22.0	66.0	LE				22.0	43.2						
			Pdif	22 45 20.0	3.9	LZ	$M_s=7.5$	24.0			84.8							
			GTA	136.1	3	PKP	22 48 14.6	4.0			GZH	150.5	340	PKP	22 48 39.2	2.5	10.9	11.2
PP	22 50 48.0	-6.2				PKS	22 52 12.0	3.3										
PKS	22 51 46.0	0.6				PP	22 52 20.0	-0.9										
SS	23 08 46.0	-4.5				PPMZ	$m_B=6.8$	11.0	8.15									
LE	$M_s=7.7$	22.0				80.7	SKKS	22 59 04.0	-2.2									
LZ	$M_s=7.4$	30.0				93.4	SS	23 11 36.0	0.3									
Pdif	22 45 24.0	3.3				LN	$M_s=7.5$	24.0	38.3									
sPKP	22 48 20.0	-2.0				LE		24.0	45.7									
PP	22 51 04.0	3.4				LZ	$M_s=7.3$	22.0	45.3									
TIA	137.2	343				PPMZ	$m_B=7.0$	8.0	6.00	QZN	155.5	343	+PKP	22 48 45.5	1.9	10.9		
			PKS	22 51 54.0	6.7	PKP2	22 49 15.0	4.6										
			SS	23 08 59.0	-4.1	PP	22 52 53.0	4.9										
			LE	$M_s=7.6$	28.0	92.3	PPMZ	$m_B=6.7$	10.0	5.80								
			LZ	$M_s=7.1$	28.0	48.7	SKKS	22 59 36.0	2.8									
			Pdif	22 45 30.0	-1.1	SS	23 12 33.0	3.2										
			sPKP	22 48 27.0	0.8	LN	$M_s=7.6$	18.0	29.8									
			PP	22 51 09.0	-6.5	LE		19.0	48.2									
			PPMZ	$m_B=7.2$	12.0	13.9	NOV 20d 03h 19m $15.7 \pm 0.05s$, SD1.37 / 26 $23.82 N \pm 0.51km$, $121.71 E \pm 0.67km$, $h7 \pm 0.15km$ Taiwan (244) $M_s 3.9 / 2$, $M_L 4.0 / 9$, $m_b 4.3 / 4$											
			LZH	139.5	358	PKS	22 51 45.0	-6.3	QZH	3.1	292	ePn	03 20 05.0	0.3	10.9		11.2	
SS	23 09 23.5	-6.3				Sn	03 20 41.0	-2.4										
LN	$M_s=7.5$	19.0				43.9	SMN	$M_L=3.9$	1.0	0.49								
LZ	$M_s=7.4$	25.0				82.3	SME		1.0	0.44								
Pdif	22 45 37.0	2.6				SSE	7.3	356	P	03 21 04.5	-0.4							
sPKP	22 48 27.0	0.8				pP	03 21 10.0	0.8										
PP	22 51 09.0	-6.5				SMN	$M_L=4.0$	1.2	0.034									
PPMZ	$m_B=7.0$	8.0				6.06												
SS	23 09 40.0	0.5																
LN	$M_s=7.8$	24.0				88.6												
SSE	140.3	335	LE		23.0	52.3												
			LZ	$M_s=7.7$	20.0	118												



NOV 20d 09h 23m 09.1±0.07s, SD1.34 / 295 36.48 S±0.65km, 178.36 E±0.99km, h81±0.50km Off east coast of North Island, N.Z. (160) M _s 5.7 / 13, m _b 5.8 / 4, m _b 5.8 / 64						NOV 20d 09h 42m 28.2±0.08s, SD1.56 / 76 30.60 S±1.06km, 177.85 W±1.06km, h71±0.44km Kermadec Islands region (177) m _b 5.5 / 17,						NOV 21d 04h 07m 19.2±0.04s, SD1.26 / 124 26.65 N±0.74km, 96.40 E±0.40km, h85±0.18km Burma-India border region (294) M _s 4.0 / 8, m _b 4.9 / 57,														
GYA	13.9	284	P	03 22 36.0	0.4	CD2	96.8	303	eP	09 36 33.8	0.9	LSA	5.5	304	P	04 08 40.4	-0.9	CD2	7.7	55	-iP	04 09 10.0	-1.1			
						LZH	99.9	308	eP	09 36 49.0	1.7				S	04 09 45.4	1.8	GYA	9.2	89	P	04 09 31.8	0.6			
									PMZ	m _b =5.7	1.8			SMN		0.8	0.57	LZH	11.4	32	eP	04 10 00.0	-0.3			
									PMZ	m _b =6.0	12.0			SME		0.8	0.68	LZH			PMZ	m _b =5.3	1.4	0.072		
									SKS	09 47 11.0	-4.9				SMN		0.8	0.40	LZH			PP	04 10 10.5	-0.5		
									eS	09 48 07.0	-4.8				S	04 09 55.0	2.1	LZH			LE	M _s =4.3	6.0	0.62		
									SMN		8.0	0.46				SMN		1.5	0.40	LZH			LZ	M _s =3.9	8.0	0.42
									SS	09 55 08.0	-0.1				SME		1.0	0.20	LZH			LN	M _s =4.1	4.0	0.40	
									LE	M _s =5.7	20.0	1.38				LN		4.0	0.70	LZH			LE		4.0	0.70
									LZ	M _s =5.5	28.0	2.23				PMZ		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ							LN		1.5	0.40	LZH			PMZ		1.0	0.20
									LZ																	

HHC	18.9	38	sP	04 12 03.0	5.2		
			S	04 14 56.0	4.7		
			SS	04 15 25.0	6.2		
			P	04 11 36.8	0.6		
			PMZ	$m_b = 4.4$	1.3	0.026	
TIA	20.1	57	+P	04 11 47.9	-0.3		
			LN	$M_s = 4.0$	9.0	0.26	
BJI	21.2	46	eP	04 12 01.0	1.3		
SNY	26.9	49	+P	04 12 57.6	2.7		
NOV 21d 12h 38m $28.2 \pm 0.05s$, SD1.37 / 347 $5.85 N \pm 0.89km$, $126.87 E \pm 1.11km$, $h74 \pm 0.26km$ Mindanao (259) $M_s 5.6 / 52$, $m_b 6.2 / 40$, $m_b 5.9 / 108$							
QZH	20.6	338	eP	12 43 00.0	-3.5		
			PMZ	$m_b = 6.4$	1.2	2.19	
			PP	12 43 30.0	2.3		
			S	12 46 50.0	6.0		
			LN	$M_s = 5.1$	15.0	4.21	
QZN	21.1	310	LZ	$M_s = 5.1$	19.0	6.86	
			+P	12 43 10.2	1.0		
			PMZ	$m_b = 5.8$	1.2	0.66	
			sP	12 43 32.5	-2.1		
			S	12 47 00.0	5.5		
GZH	21.5	324	LN	$M_s = 5.5$	11.0	4.20	
			LE		15.0	9.35	
			+iP	12 43 14.2	1.0		
			PMZ	$m_b = 5.9$	1.4	0.88	
			PMZ	$m_b = 6.2$	4.0	5.38	
SSE	25.7	349	sP	12 43 40.5	1.8		
			LN	$M_s = 6.1$	15.0	25.2	
			LE		16.0	31.6	
			LZ	$M_s = 5.3$	34.0	20.0	
			P	12 43 52.5	-0.7		
WHN	27.2	336	PMZ	$m_b = 6.2$	0.5	0.36	
			PMZ	$m_b = 6.5$	5.0	6.80	
			sP	12 44 16.0	-3.2		
			S	12 48 16.0	2.5		
			iScP	12 50 57.0	3.4		
			PcS	12 50 58.0	-3.5		
			SMN		3.0	1.65	
			SME		2.8	3.05	
			LN	$M_s = 5.4$	10.0	3.40	
			LE		10.0	2.50	
GYA	28.1	319	LZ	$M_s = 5.3$	20.0	8.30	
			+iP	12 44 08.0	0.3		
			PMZ	$m_b = 6.2$	6.0	3.39	
			isP	12 44 35.0	1.3		
			iS	12 48 44.0	4.1		
			ScP	12 50 56.5	-1.6		
			iPcS	12 51 04.0	-2.0		
			LN	$M_s = 5.2$	12.0	3.11	
			LZ	$M_s = 5.2$	20.0	5.63	
			P	12 44 16.6	0.6		
KMI	30.0	312	PMZ	$m_b = 5.2$	1.0	0.058	
			PMZ	$m_b = 6.0$	5.0	1.48	
			PcP	12 47 30.6	2.7		
			S	12 48 53.0	-0.6		
			ScP	12 51 04.2	3.3		
			PcS	12 51 12.4	3.6		
			ScS	12 54 57.0	4.8		
			LN	$M_s = 5.9$	12.0	9.69	
			LE		12.0	8.39	
			LZ	$M_s = 5.5$	28.0	15.5	
			+iP	12 44 32.5	-0.5		
			PMZ	$m_b = 6.1$	2.5	0.90	
			pP	12 44 50.0	0.2		
			sP	12 44 59.0	0.0		

TIA	31.5	345	PP	12 45 35.0	2.3		
			PcP	12 47 35.0	2.3		
			S	12 49 25.0	1.3		
			iS	12 49 27.0	2.0		
			LN	$M_s = 5.6$	14.0	4.70	
XAN	32.6	332	LE		15.0	6.40	
			LZ	$M_s = 5.6$	20.0	13.2	
			-P	12 44 45.0	-0.8		
			PMZ	$m_b = 6.2$	0.8	0.37	
			pP	12 44 58.0	-4.9		
CD2	33.0	322	ScP	12 51 16.3	4.5		
			ScS	12 55 12.5	4.3		
			LZ	$M_s = 5.2$	38.0	10.7	
			P	12 44 54.0	-1.4		
			PMZ	$m_b = 6.2$	0.8	0.32	
DL2	33.2	353	PMZ	$m_b = 6.6$	4.0	4.12	
			pP	12 45 13.0	0.4		
			sP	12 45 22.0	0.3		
			PP	12 45 59.0	-6.9		
			S	12 49 58.0	-6.0		
TIY	34.3	339	ScS	12 55 16.0	2.2		
			LN	$M_s = 5.7$	10.0	4.00	
			LE		11.0	4.15	
			+iP	12 44 58.8	-0.4		
			PMZ	$m_b = 6.2$	1.0	0.44	
BJI	35.4	346	sP	12 45 26.5	1.0		
			S	12 50 10.0	-0.8		
			LE	$M_s = 5.9$	10.0	9.59	
			LZ	$M_s = 5.5$	38.0	17.0	
			eP	12 45 00.0	-0.8		
SNY	35.9	356	PMZ	$m_b = 6.4$	0.7	0.46	
			PMZ	$m_b = 6.0$	6.0	1.39	
			PMZ		15.0	1.23	
			pP	12 45 14.0	-4.1		
			S	12 50 08.0	-5.9		
LZH	36.8	328	LE	$M_s = 5.5$	12.0	4.37	
			LZ	$M_s = 5.1$	25.0	5.07	
			+iP	12 45 10.0	-0.3		
			PMZ	$m_b = 6.4$	1.1	0.67	
			PMZ	$m_b = 6.5$	5.0	3.64	
			S	12 50 32.0	1.3		
			LN	$M_s = 5.4$	11.0	2.73	
			LZ	$M_s = 5.4$	37.0	13.0	
			eP	12 45 18.5	-0.5		
			PMZ	$m_b = 5.6$	1.7	0.17	
			PMZ	$m_b = 6.5$	5.0	3.91	
			ePP	12 46 38.0	-1.5		
			eS	12 50 48.0	0.4		
			eSS	12 53 04.0	-4.8		
			eScS	12 55 33.5	5.2		
			LN	$M_s = 5.3$	15.0	2.94	
			LZ	$M_s = 5.2$	22.0	4.33	
			+iP	12 45 23.0	-0.9		
			PMZ	$m_b = 6.2$	1.0	0.44	
			PMZ	$m_b = 6.0$	5.0	1.22	
			PP	12 46 50.0	3.9		
			PcP	12 47 49.0	-0.1		
			iS	12 50 54.0	-2.4		
			LE	$M_s = 5.7$	16.0	7.96	
			LZ	$M_s = 5.3$	25.0	6.18	
			+iP	12 45 31.5	0.4		
			PMZ	$m_b = 6.7$	4.0	5.63	
			pP	12 45 47.0	-1.4		
			sP	12 45 56.0	-1.4		
			PP	12 46 55.0	-1.8		
			S	12 51 04.0	-4.2		
			ScP	12 51 35.0	4.6		
			LN	$M_s = 6.1$	9.0	8.79	



HHC	37.4	341	LE		9.0	7.58			PP	12 49	26.0	2.3					
			LZ	$M_s = 6.0$	19.0	21.7			ScP	12 52	31.0	2.8					
			P	12 45	37.0	0.4			iS	12 54	38.0	1.2					
			PMZ	$m_b = 5.7$		1.2	0.15		sS	12 55	12.0	4.0					
			PMZ	$m_B = 6.1$		6.0	2.07		ScS	12 57	08.0	2.8					
			pP	12 45	55.0	0.9			LN		$M_s = 6.5$	18.0	28.3				
			sP	12 46	05.5	2.4			LE			17.0	12.2				
			PP	12 47	11.0	6.0			LZ		$M_s = 6.0$	20.0	15.9				
			S	12 51	19.0	0.6			KSH	56.7	314	P	12 48	08.0	0.8		
			LN		$M_s = 5.4$	14.0	2.48		S			12 55	53.0	1.7			
BTO	37.7	339	LE		11.0	1.34		LN		$M_s = 6.2$	16.0	6.87					
			LZ	$M_s = 5.5$	36.0	12.4		LE			17.0	8.65					
			-iP	12 45	39.0	-0.2											
			PMZ	$m_b = 5.8$		1.0	0.16		NOV 21d 12h 51m $57.1 \pm 0.04s$, $SD0.87 / 18$ $6.81 S \pm 0.33km$, $131.22 E \pm 0.33km$, $h126 \pm 0.60km$ Tanimbar Islands region (281) $m_b 5.2 / 8$,								
			PMZ	$m_B = 6.5$		5.0	3.64		CN2	50.6	355	eP	13 00	44.2	-1.6		
			sP	12 46	06.5	0.8			LSA	52.9	315	-P	13 01	02.2	-1.1		
			ePP	12 47	07.5	-1.0			GTA	54.4	330	P	13 01	14.0	0.1		
			S	12 51	19.0	-4.1			PMZ		$m_b = 4.8$	1.2	0.017				
			sS	12 51	52.0	-2.4											
			ScS	12 55	44.0	2.4			NOV 21d 13h 37m $39.6 \pm 0.04s$, $SD1.77 / 30$ $33.82 N \pm 0.61km$, $90.35 E \pm 0.56km$, $h22 \pm 0.14km$ Tibet (306) $M_s 4.6 / 4$, $m_b 5.0 / 1$, $m_b 4.4 / 10$								
CN2	37.8	358	LN	$M_s = 5.4$	13.0	2.01		LSA	4.2	170	Pg	13 38	49.8	-3.9			
			LE		13.0	2.56		GTA	9.4	51	Sg	13 39	54.0	3.9			
			+P	12 45	38.0	-1.6					eP	13 39	56.3	-1.3			
			PMZ	$m_b = 5.2$		1.0	0.039		PMZ		$m_b = 4.3$	1.0	0.0090				
			PMZ	$m_B = 6.0$		6.0	1.48		PMZ		$m_B = 5.0$	10.0	0.51				
			pP	12 45	58.0	0.8			sP	13 40	09.0	1.8					
			sP	12 46	10.0	3.8			LN		$M_s = 4.4$	12.0	1.93				
			PP	12 47	07.0	-2.3			LZ		$M_s = 4.0$	16.0	1.16				
			PcP	12 47	56.0	1.2			CD2	11.7	101	P	13 40	30.4	1.7		
			S	12 51	22.0	-2.1			XAN	15.4	84	eP	13 41	16.5	-1.4		
MDJ	38.7	3	LN	$M_s = 5.5$	14.0	2.16		GTA	15.9	113	P	13 41	23.2	-0.9			
			LE		14.0	3.55					PMZ		$m_b = 4.8$	1.0	0.049		
			LZ	$M_s = 5.8$	20.0	14.2		BTO	17.0	61	eP	13 41	35.6	-3.1			
			+iP	12 45	46.5	-0.3		WHN	20.6	93	-P	13 42	24.0	4.2			
			PMZ	$m_b = 5.6$		0.7	0.072		sP	13 42	36.5	6.2					
			PMZ	$m_B = 6.3$		5.0	2.41		LN		$M_s = 4.8$	10.0	0.87				
			pP	12 46	04.0	-0.4			LE			10.0	1.15				
			S	12 51	37.0	-0.2			LZ		$M_s = 4.5$	16.0	1.67				
			PcS	12 51	47.0	1.5			BJI	21.5	66	eP	13 42	31.0	1.5		
			LN		$M_s = 5.4$	10.0	1.00		PMZ		$m_b = 4.0$	1.0	0.0070				
LSA	41.2	310	LE		11.0	2.36		eS	13 46	28.0	5.8						
			LZ	$M_s = 5.7$	36.0	18.9		NOV 21d 16h 53m $11.0 \pm 0.27s$, $SD2.41 / 14$ $23.97 N \pm 0.58km$, $119.55 E \pm 0.98km$, $h17 \pm 1.85km$ Taiwan region (243) $M_s 3.5 / 2$, $M_L 3.9 / 11$,									
			P	12 46	08.0	0.1		QZH	1.3	318	ePn	16 53	37.2	2.2			
			sP	12 46	36.5	2.4					SMN		$M_L = 3.5$	0.8	0.56		
			PcP	12 48	06.5	1.0		GZH	5.8	262	SME			0.7	0.81		
			S	12 52	13.0	-1.5					ePg	16 54	53.6	0.7			
			SME			5.0	2.23		SMN		$M_L = 4.3$	1.2	0.49				
			+iP	12 46	09.8	0.6		SSE	7.2	11	SME			1.0	0.058		
			PMZ	$m_b = 6.0$		0.8	0.17		eP	16 55	02.0	3.0					
			PMZ	$m_B = 6.0$		10.0	2.57		eS	16 56	19.0	-2.5					
GTA	41.4	328	pP	12 46	26.0	-0.7		sS	16 56	28.5	-2.2						
			sP	12 46	32.6	-3.1		SMN		$M_L = 3.9$	1.1	0.031					
			PP	12 47	46.0	-2.1		SME			1.1	0.063					
			PcP	12 48	06.0	-0.1		LE		$M_s = 3.4$	12.0	0.30					
			ScP	12 51	50.0	2.0		LZ		$M_s = 3.4$	20.0	0.50					
			PcS	12 51	57.0	1.0		WHN	8.0	326	eP	16 55	08.5	-1.3			
			S	12 52	18.0	0.6					pP	16 55	12.0	-3.4			
			sS	12 52	44.0	-4.9					eS	16 56	47.5	6.7			
			SS	12 55	22.0	1.9											
			ScS	12 56	06.6	3.9											
WMQ	51.1	324	LE	$M_s = 6.2$	22.0	28.6											
			LZ	$M_s = 5.9$	26.0	21.5											
			+iP	12 47	26.0	0.1											
			PMZ	$m_b = 6.5$		1.6	0.90										
			PMZ	$m_B = 6.7$		4.0	3.67										
			pP	12 47	42.0	-1.9											
			sP	12 47	51.0	-1.7											
			PcP	12 48	39.0	-1.1											

GYA	11.9 285	SMN	$M_L=4.2$	1.0	0.079	KMI	83.9 300	eP	18 48 21.0	-0.7	12.0 0.28	12.0 0.29
		SME		1.0	0.059	HHC	85.6 317	S	18 58 47.0	6.9		
		eP	16 56 06.0	2.2				eP	18 48 31.8	1.5		
		eS	16 58 18.8	1.1				LN	$M_S=5.3$			
		SMN		1.6	0.11	LZH	88.3 310	LE				
		SME		1.6	0.063			eP	18 48 40.0	-3.2		
<p>NOV 21d 23h 03m $13.7 \pm 0.04s$, $SD0.99 / 208$ $48.78 N \pm 0.89km$, $28.06 W \pm 0.46km$, $h10 \pm 0.08km$ North Atlantic Ridge (403) $M_S 5.5 / 6$, $m_b 5.7 / 1$, $m_b 5.1 / 61$</p>												
KSH	69.4 53	P	23 14 25.0	0.1		GTA	92.7 312	eP	18 49 05.1	1.4		
WMQ	72.0 43	-iP	23 14 40.8	0.4				PMZ	$m_b=5.0$	1.4	0.019	
		PMZ	$m_b=5.1$	1.2	0.026			LZ	$M_S=5.0$	18.0	0.49	
		LN	$M_S=5.8$	15.0	2.39			pP	$m_b=4.8$	1.0	0.0050	
		LZ	$M_S=5.3$	20.0	1.54			sP		18 49 13.4	0.2	
GTA	80.8 38	-P	23 15 30.0	-0.3				S		18 49 20.4	3.3	
		PMZ	$m_b=5.3$	1.2	0.037			S		19 00 08.0	6.1	
		PMZ	$m_b=5.7$	8.0	0.71			SS		19 06 20.0	1.3	
		pP	23 15 38.0	2.5				LZ	$M_S=4.8$	24.0	0.38	
		S	23 25 41.0	5.2				<p>NOV 23d 20h 00m $41.5 \pm 0.04s$, $SD1.69 / 106$ $26.63 S \pm 1.40km$, $114.93 W \pm 1.54km$, $h9 \pm 0.11km$ Easter Island Cordillera (684) $M_S 5.8 / 3$, $m_b 5.1 / 18$</p>				
		LN	$M_S=5.3$	17.0	0.73	MDJ	125.9 307	-PKP	20 19 45.2	-0.1		
		LZ	$M_S=5.2$	30.0	1.69	TIY	138.8 298	ePKP	20 20 12.0	2.4		
BTO	83.6 31	eP	23 15 45.0	0.3				LE	$M_S=5.8$	18.0	0.90	
HHC	83.9 30	eP	23 15 47.0	0.8		HHC	139.3 302	ePKP	20 20 12.0	1.5		
CN2	84.9 19	eP	23 15 51.0	-0.2				LZ	$M_S=5.7$	21.0	1.39	
		PMZ	$m_b=4.6$	1.0	0.0060	BTO	140.5 302	ePKP	20 20 10.0	-2.7		
		epP	23 15 56.0	-0.6				LN	$M_S=5.8$	18.0	0.60	
		eS	23 26 25.0	6.0				LE		18.0	0.73	
		LZ	$M_S=5.4$	18.0	1.40	XAN	141.7 292	-PKP	20 20 10.5	-4.2		
LZH	85.3 37	eP	23 15 53.5	0.2		LZH	145.8 296	ePKP	20 20 22.5	0.6		
		PMZ	$m_b=5.6$	1.5	0.079			pPKP	20 20 26.0	2.5		
		pP	23 16 00.0	1.5				LZ	$M_S=5.6$	20.0	0.84	
BJI	86.1 27	eP	23 15 57.0	0.1		CD2	145.9 286	ePKP	20 20 22.3	0.2		
		PMZ	$m_b=5.5$	2.0	0.077	KMI	146.1 276	ePKP	20 20 24.5	1.9		
		eS	23 26 36.0	5.8		GTA	148.4 303	-iPKP	20 20 30.4	4.2		
		LZ	$M_S=5.1$	18.0	0.71			PKP2	20 20 38.6	5.0		
TIY	87.0 30	eP	23 16 02.0	0.4				SKKS	20 30 51.0	2.9		
		S	23 26 40.0	2.4				LE	$M_S=6.0$	20.0	1.61	
		LN	$M_S=5.5$	17.0	0.99	WMQ	154.9 319	PKP	20 20 36.0	0.3		
		LZ	$M_S=5.4$	20.0	1.62			PKP2	20 21 03.0	2.2		
XAN	89.1 35	eP	23 16 11.3	-0.1				PP	20 24 32.5	-5.1		
								LZ	$M_S=5.6$	24.0	1.00	
<p>NOV 22d 18h 35m $52.8 \pm 0.06s$, $SD1.58 / 114$ $22.35 S \pm 0.99km$, $174.23 E \pm 0.99km$, $h33 \pm 0.18km$ Loyalty Islands region (189) $M_S 5.1 / 2$, $m_b 5.4 / 1$, $m_b 5.0 / 27$</p>												
WHN	77.9 310	eP	18 47 47.6	-2.2		QZN	22.5 30	P	22 57 03.9	1.0		
		pP	18 47 59.0	-0.4				PMZ	$m_b=5.3$	1.4	0.17	
		eS	18 57 43.0	3.1				eS	23 01 10.5	6.8		
		LZ	$M_S=4.9$	24.0	0.68			LN	$M_S=4.9$	14.0	2.17	
MDJ	78.1 329	eP	18 47 48.5	-2.6				LE		12.0	1.08	
SNY	79.2 324	eP	18 48 00.6	3.7		KMI	25.8 10	+P	22 57 36.0	1.0		
		S	18 57 58.0	5.9				PMZ	$m_b=5.7$	1.0	0.20	
		LZ	$M_S=4.9$	22.0	0.63			PMZ	$m_b=5.5$	4.0	0.50	
TIA	79.4 316	eP	18 47 58.4	0.4				PP	22 58 20.0	5.5		
CN2	79.6 326	eP	18 47 58.0	-1.0				LN	$M_S=5.1$	14.0	2.30	
		PMZ	$m_b=5.2$	1.5	0.050			LE		12.0	1.40	
GYA	81.4 303	P	18 48 12.0	3.0				LZ	$M_S=5.2$	16.0	6.00	
		S	18 58 20.0	4.7		GZH	27.7 31	eP	22 57 50.0	-2.0		
		LZ	$M_S=4.9$	24.0	0.71			LN	$M_S=5.2$	14.0	2.78	
BJI	82.3 319	eP	18 48 15.0	1.6				LE		13.0	1.64	
		eS	18 58 28.0	2.0				LZ	$M_S=5.3$	12.0	4.82	
		eSS	19 03 54.0	5.6		GYA	27.9 17	P	22 57 54.8	0.0		
		LZ	$M_S=4.6$	24.0	0.32			PMZ	$m_b=5.3$	1.2	0.082	
TIY	83.3 315	eP	18 48 19.2	0.6				PMZ	$m_b=5.7$	5.0	0.85	
		LZ	$M_S=4.8$	28.0	0.60			S	23 02 38.0	3.1		
XAN	83.7 311	eP	18 48 22.5	2.1								

NOV 25d 10h 08m 38.3 ± 0.05s, SD1.75 / 20
34.02 N ± 0.63km, 88.86 E ± 0.58km, h32 ± 0.08km
Tibet (306)
M_S4.1 / 5, m_b4.2 / 8,

LSA	4.7	155	Pn	10 09 50.6	2.2		
			Sn	10 10 50.0	6.7		
			LN	M _S =4.1	6.0	0.90	
			LE		5.0	0.89	
WMQ	9.8	355	P	10 11 02.0	1.5		
			LZ	M _S =3.6	16.0	0.44	
GTA	10.3	55	eP	10 11 07.4	0.1		
			PMZ	m _b =4.1	0.6	0.0030	
			LN	M _S =4.2	9.0	0.54	
			LE		10.0	0.77	
GYA	17.1	111	P	10 12 36.4	-0.7		
TIY	19.4	72	eP	10 13 04.7	-0.6		
			LE	M _S =4.1	11.0	0.38	
			LZ	M _S =4.0	20.0	0.63	
WHN	21.8	92	eP	10 13 34.0	4.2		
BJI	22.6	67	eP	10 13 39.0	1.6		
			PMZ	m _b =4.4	1.5	0.024	

NOV 25d 10h 29m 06.1 ± 0.07s, SD2.21 / 50
23.02 N ± 0.94km, 121.79 E ± 0.97km, h20 ± 0.34km
Taiwan region (243)
M_S4.1 / 3, M_L4.3 / 9, m_b4.4 / 12

QZH	3.5	304	-Pn	10 29 59.5	-0.3		
			SMN	M _L =3.9	0.7	0.37	
			SME		0.7	0.34	
GZH	7.8	272	P	10 31 00.0	-1.2		
			SMN	M _L =4.6	1.2	0.34	
			SME		1.0	0.067	
WHN	10.0	320	+iP	10 31 29.6	-2.6		
			PMZ	m _b =5.1	0.6	0.037	
			sP	10 31 45.0	3.5		
			SMN		0.9	0.11	
			SME		1.0	0.074	
			LE	M _S =4.0	8.0	0.55	
GYA	14.2	287	P	10 32 28.0	-0.2		
			SMN		1.6	0.075	
			SME		1.6	0.079	
TIY	16.7	333	eP	10 33 04.8	3.8		
BJI	17.6	346	P	10 33 13.0	0.6		
HHC	19.8	337	eP	10 33 38.0	-0.1		
			PMZ	m _b =4.4	1.1	0.019	
BTO	20.1	333	eP	10 33 42.0	-0.3		
LZH	20.3	314	eP	10 33 40.5	-3.4		
			PMZ	m _b =4.3	1.4	0.019	
			pP	10 33 46.5	-3.7		
			sP	10 33 52.5	-1.3		
			LE	M _S =4.1	8.0	0.27	
			LZ	M _S =4.1	13.0	0.47	
MDJ	22.5	15	eP	10 34 07.3	1.4		

NOV 25d 14h 15m 44.5 ± 0.05s, SD1.17 / 176
8.73 S ± 0.76km, 74.41 W ± 0.99km, h147 ± 0.21km
Peru (116)
m_b5.3 / 59,

WMQ	141.7	21	PKP	14 34 56.0	-3.8		
SNY	143.4	337	+PKP	14 35 01.0	-1.6		
BJI	147.4	345	ePKP	14 35 13.0	3.6		
HHC	147.6	352	PKP	14 35 12.3	2.5		
BTO	148.0	354	PKP	14 35 15.0	4.4		
GTA	149.0	9	+PKP	14 35 13.7	1.5		
			PKP2	14 35 22.0	0.2		
LZH	152.7	3	ePKP	14 35 18.0	0.3		
XAN	154.6	354	ePKP	14 35 22.0	1.8		

NOV 26d 10h 41m 28.8 ± 0.04s, SD1.54 / 520
51.74 N ± 1.32km, 176.24 W ± 0.78km, h19 ± 0.19km
Andreanof Islands (7)
M_S5.9 / 49, m_b6.2 / 35, m_b5.8 / 148

MDJ	36.1	281	eP	10 48 31.5	-0.3		
			PMZ	m _b =5.8	1.1	0.18	
			PMZ	m _b =5.9	6.0	1.31	
			sP	10 48 46.0	4.2		
			PP	10 49 53.0	-0.4		
			PcP	10 50 57.5	0.2		
			S	10 54 04.0	-4.8		
			PcS	10 54 44.5	0.9		
			LN	M _S =5.9	14.0	2.82	
			LE		20.0	14.3	
			LZ	M _S =5.7	26.0	17.4	
CN2	39.0	282	+P	10 48 57.0	0.4		
			PMZ	m _b =5.4	1.2	0.082	
			PMZ	m _b =6.1	5.0	1.80	
			pP	10 49 08.0	4.4		
			PP	10 50 30.0	0.2		
			S	10 54 48.0	-5.9		
			LN	M _S =5.9	21.0	7.98	
			LE		21.0	13.6	
			LZ	M _S =6.0	22.0	26.8	
SNY	41.3	281	+iP	10 49 16.0	0.9		
			PMZ	m _b =6.6	1.2	1.33	
			PMZ		14.0	2.71	
			sP	10 49 28.0	2.7		
			PP	10 50 50.0	-3.3		
			LN	M _S =5.8	22.0	10.3	
			LE		17.0	3.16	
			LZ	M _S =5.8	25.0	17.4	
DL2	44.2	279	+iP	10 49 40.0	0.9		
			PMZ	m _b =6.8	1.4	2.21	
			PMZ	m _b =6.1	5.0	1.50	
			sP	10 49 52.0	2.8		
			PP	10 51 23.0	-0.3		
			S	10 56 06.0	-4.4		
			LN	M _S =5.7	18.0	5.36	
			LE		15.0	1.61	
			LZ	M _S =5.4	36.0	7.79	
BJI	46.9	283	eP	10 50 01.0	1.0		
			PMZ	m _b =6.1	1.2	0.34	
			PMZ	m _b =6.2	6.0	2.14	
			ePcP	10 51 32.0	-0.5		
			ePP	10 51 51.0	1.7		
			ePcS	10 55 27.0	0.9		
			eS	10 56 46.0	-3.1		
			eScS	10 59 50.0	-0.2		
			eSS	11 00 10.0	2.5		
			LN	M _S =5.9	18.0	7.82	
			LZ	M _S =6.0	24.0	18.6	
TIA	48.7	279	+P	10 50 15.2	0.7		
			PMZ	m _b =5.3	1.3	0.061	
			PP	10 52 11.0	4.4		
			S	10 57 15.0	0.9		
			LN	M _S =5.8	20.0	3.68	
			LE		20.0	5.52	
			LZ	M _S =5.5	38.0	9.69	
HHC	49.1	287	-P	10 50 18.0	0.2		
			PMZ	m _b =5.9	1.0	0.18	
			PMZ	m _b =6.1	6.0	1.72	
			sP	10 50 32.5	4.7		
			LN	M _S =5.9	19.0	6.89	
			LE		17.0	3.56	
			LZ	M _S =5.7	24.0	9.16	
SSE	49.6	271	+iP	10 50 22.0	0.7		
			PMZ	m _b =6.1	1.3	0.34	



		PMZ	$m_b = 6.4$	6.0	3.30			PMZ	$m_b = 5.6$	1.0	0.071
		pP	10 50 28.0	-0.3				PMZ	$m_b = 6.1$	8.0	1.89
		sP	10 50 35.0	3.5				isP	10 51 53.0	2.4	
		S	10 57 29.0	2.3				PP	10 53 56.0	1.1	
		LN		$M_s = 5.5$	20.0	2.10		S	10 59 50.0	-2.3	
		LE			20.0	2.40		LN		$M_s = 5.9$	16.0 4.25
		LZ		$M_s = 5.4$	20.0	3.80		LZ		$M_s = 5.8$	24.0 7.88
BTO	50.2 288	-iP	10 50 27.0	0.9			GYA	61.9 278	+iP	10 51 50.6	0.6
		PMZ		$m_b = 5.8$	0.8	0.11		PMZ		$m_b = 6.6$	1.0 0.73
		PMZ		$m_b = 6.2$	6.0	2.08		PMZ		$m_b = 6.5$	4.0 2.61
		PcP	10 51 43.5	-1.0				PcP	10 52 31.0	1.4	
		PP	10 52 26.0	4.6				PP	10 54 06.0	-1.5	
		S	10 57 33.0	-1.9				S	11 00 10.0	0.0	
		LN		$M_s = 5.9$	18.0	6.45		sS	11 00 28.0	5.0	
		LE			18.0	5.16		ScS	11 01 38.0	2.0	
TIY	50.6 283	+iP	10 50 30.4	1.4				SS	11 04 18.0	4.3	
		PMZ		$m_b = 6.4$	1.1	0.56		LN		$M_s = 6.0$	20.0 4.40
		PMZ		$m_b = 6.3$	6.0	2.50		LE			20.0 4.62
		S	10 57 44.0	3.7				LZ		$M_s = 5.5$	34.0 5.54
		LN		$M_s = 6.0$	24.0	7.87		LN		$M_s = 6.0$	20.0 4.40
		LE			24.0	8.90		LE			20.0 4.62
		LZ		$M_s = 5.8$	24.0	11.7		LZ		$M_s = 5.5$	34.0 5.54
WHN	54.2 275	+iP	10 50 56.2	0.1			KMI	65.2 280	+P	10 52 13.0	0.8
		PMZ		$m_b = 6.6$	1.5	1.26		PMZ		$m_b = 6.2$	1.0 0.30
		PMZ		$m_b = 6.5$	4.0	2.94		PMZ		$m_b = 6.2$	8.0 2.20
		PcP	10 51 57.0	-2.5				PP	10 54 38.0	1.3	
		S	10 58 30.0	0.0				S	11 00 52.0	0.2	
		LE		$M_s = 5.7$	24.0	5.71		LN		$M_s = 5.6$	17.0 1.10
		LZ		$M_s = 5.4$	28.0	5.22		LE			17.0 1.70
XAN	55.2 282	+P	10 51 03.0	0.0			QZN	65.4 270	P	10 52 14.0	1.1
		PMZ		$m_b = 6.0$	1.0	0.22		PMZ		$m_b = 5.8$	1.0 0.13
		PMZ		$m_b = 6.2$	6.0	2.13		PMZ		$m_b = 6.1$	7.5 2.00
		PP	10 53 09.0	2.0				S	11 00 52.0	-1.6	
		S	10 58 42.6	0.1				LE		$M_s = 5.8$	18.0 3.28
		LN		$M_s = 6.0$	19.0	4.90		LN		$M_s = 5.6$	17.0 1.10
		LE			19.0	5.80		LE			17.0 1.70
QZH	55.6 267	+P	10 51 06.0	0.1				LZ		$M_s = 5.7$	28.0 7.00
		PMZ		$m_b = 6.1$	1.3	0.34		P	10 52 14.0	1.1	
		S	10 58 52.0	4.0				PMZ		$m_b = 5.8$	1.0 0.13
		LZ		$M_s = 5.3$	20.0	2.49		PMZ		$m_b = 6.1$	7.5 2.00
LZH	56.8 288	+iP	10 51 15.0	-0.1				S	11 00 52.0	-1.6	
		PMZ		$m_b = 6.1$	1.2	0.28		LE		$M_s = 5.8$	18.0 3.28
		PMZ		$m_b = 6.1$	6.0	1.51		LE		$M_s = 5.8$	18.0 3.28
		pP	10 51 27.0	5.1			KSH	69.6 308	+P	10 52 39.8	0.4
		sP	10 51 30.0	4.9				sP	10 52 52.0	2.5	
		PcP	10 52 06.0	-3.6				LE		$M_s = 6.5$	18.0 14.7
		PP	10 53 20.0	-1.9							
		ScP	10 56 04.0	-2.5							
		PcS	10 56 10.5	1.6							
		sS	10 59 17.0	-0.4							
GTA	56.9 293	+iP	10 51 14.8	-1.0							
		PMZ		$m_b = 5.8$	1.0	0.12					
		PMZ		$m_b = 6.0$	6.0	1.13					
		sP	10 51 28.0	2.2							
		PcP	10 52 10.2	0.3							
		ScP	10 56 05.2	-1.7							
		LE		$M_s = 6.0$	15.0	6.55					
		LZ		$M_s = 6.0$	20.0	14.2					
GZH	60.2 270	+P	10 51 39.5	1.1							
		PMZ		$m_b = 5.9$	1.0	0.15					
		PMZ		$m_b = 6.4$	5.0	2.55					
		S	10 59 49.0	0.5							
		LZ		$M_s = 5.2$	24.0	2.03					
CD2	60.5 283	+iP	10 51 40.2	-0.2							
		PMZ		$m_b = 6.4$	1.0	0.56					
		PP	10 53 55.1	0.4							
		S	10 59 48.5	-3.6							
WMQ	60.5 304	+iP	10 51 39.4	-1.1							

NOV 26d 13h 47m $36.8 \pm 0.06s$, SD1.34 / 55
 $8.84 S \pm 0.49km$, $113.76 E \pm 0.46km$, $h106 \pm 0.60km$
 South of Java (282)
 $m_b 5.2 / 16$,

CD2	40.7 347	eP	13 55 08.5	-0.1	
GTA	49.7 346	P	13 56 20.9	0.2	
		PMZ		$m_b = 4.6$	1.0 0.0090

NOV 26d 15h 31m $13.3 \pm 0.04s$, SD1.62 / 19
 $34.01 N \pm 0.42km$, $88.83 E \pm 0.49km$, $h33 \pm 0.02km$
 Tibet (306)
 $M_s 3.9 / 2$, $m_b 4.0 / 5$,

WMQ	9.8 355	eP	15 33 35.0	-0.6	
		pP	15 33 44.0	1.6	
GTA	10.3 55	eP	15 33 42.0	-0.6	
		LN		$M_s = 4.0$	10.0 0.56
		LZ		$M_s = 4.0$	10.0 0.64
GYA	17.1 111	P	15 35 11.2	-1.0	
		PMZ		$m_b = 4.7$	1.2 0.045

NOV 26d 19h 40m $47.7 \pm 0.04s$, SD1.16 / 571
 $42.09 N \pm 0.86km$, $142.51 E \pm 0.73km$, $h56 \pm 0.17km$
 Hokkaido region (224)
 $M_s 6.1 / 58$, $m_b 6.4 / 50$, $m_b 6.0 / 135$

MDJ	9.7 289	-iP	19 43 11.5	3.5	
		PMZ		$m_b = 6.5$	0.9 1.05
		PMZ		$m_b = 6.7$	8.0 12.1
		PP	19 43 21.0	4.8	
		ScS	19 56 20.5	3.7	
		LN		$M_s = 5.9$	16.0 46.2
		LE			16.0 78.0
CN2	12.6 284	P	19 43 48.5	1.6	

		PMZ	$m_b = 6.3$	1.0	0.50			LN	$M_s = 6.3$	18.0	53.4
		PMZ	$m_B = 6.9$	5.0	9.61			LE		16.0	17.1
		sP	19 44 05.0	1.4				LZ	$M_s = 6.1$	20.0	53.8
		eS	19 46 03.0	-2.8		QZH	26.1 237	+iP	19 46 20.0	1.3	
		LN	$M_s = 6.1$	11.0	46.5			PMZ	$m_b = 6.1$	2.0	0.94
		LE		11.0	32.9			PMZ	$m_B = 6.6$	8.0	12.7
		LZ	$M_s = 6.3$	13.0	133			S	19 50 50.0	6.9	
SNY	14.1 275	+iP	19 44 08.0	1.8				LZ	$M_s = 5.6$	24.0	22.2
		PMZ	$m_b = 6.2$	1.2	0.46	XAN	27.5 264	-P	19 46 30.0	-1.4	
		PMZ	$m_B = 6.7$	5.0	6.94			PMZ	$m_b = 5.7$	0.9	0.14
		pP	19 44 19.0	3.2				PMZ	$m_B = 6.3$	7.0	5.28
		LN	$M_s = 5.9$	12.0	26.7			pP	19 46 44.0	-0.4	
		LE		15.0	28.1			sP	19 46 50.0	-0.5	
		LZ	$M_s = 5.9$	20.0	77.9			PP	19 47 15.0	-4.6	
DL2	16.2 266	+P	19 44 34.0	0.7				PcP	19 49 50.0	2.3	
		PMZ	$m_b = 6.3$	1.0	1.41			S	19 51 00.0	-5.4	
		PMZ	$m_B = 6.5$	5.0	11.5			LN	$M_s = 6.1$	15.0	12.9
		sP	19 44 49.0	-1.4				LE		19.0	33.0
		S	19 47 35.0	5.6		LZH	30.4 272	+P	19 46 57.0	-0.5	
		LN	$M_s = 5.9$	15.0	41.3			PMZ	$m_b = 6.2$	1.0	0.47
		LE		15.0	16.1			PMZ	$m_B = 6.3$	6.0	3.68
		LZ	$M_s = 5.7$	32.0	60.8			pP	19 47 15.0	4.4	
BJI	19.9 273	eP	19 45 15.5	-2.4				PP	19 48 00.0	2.7	
		PMZ	$m_b = 5.8$	1.0	0.55			S	19 51 50.0	-1.7	
		PMZ	$m_B = 5.8$	4.0	2.22			ScP	19 53 30.0	-1.1	
		eS	19 48 48.0	-5.9				PcS	19 53 35.0	-2.4	
		LN	$M_s = 6.2$	16.0	58.2			SS	19 53 40.0	5.4	
SSE	20.3 244	+iP	19 45 20.0	-1.5				ScS	19 57 25.0	-0.8	
		PMZ	$m_B = 6.0$	5.0	4.10			LN	$M_s = 6.2$	14.0	17.7
		pP	19 45 29.0	-4.6				LE		16.0	21.3
		PcP	19 49 34.0	1.5				LZ	$M_s = 6.1$	20.0	39.0
		LN	$M_s = 6.2$	18.0	46.5	GZH	30.8 241	+P	19 47 02.0	1.2	
		LE		18.0	60.2			PMZ	$m_b = 5.9$	1.0	0.20
		LZ	$M_s = 6.0$	22.0	61.2			PMZ	$m_B = 6.7$	5.0	6.92
TIA	20.5 262	+P	19 45 21.4	-2.5				iS	19 52 04.0	5.4	
		PMZ	$m_b = 5.8$	1.1	0.53			LN	$M_s = 6.1$	14.0	18.2
		PMZ	$m_B = 6.3$	5.0	7.77			LE		13.0	9.56
		sP	19 45 47.0	4.4				LZ	$M_s = 5.9$	22.0	26.5
		S	19 49 10.0	5.8		GTA	32.2 280	P	19 47 13.2	-0.1	
		LE	$M_s = 5.9$	16.0	31.8			PMZ	$m_b = 6.2$	1.2	0.46
		LZ	$M_s = 5.8$	24.0	50.5			PMZ	$m_B = 6.5$	6.0	5.17
HHC	23.2 277	-P	19 45 50.5	0.0				pP	19 47 25.0	-1.4	
		PMZ	$m_b = 5.6$	1.3	0.34			sP	19 47 28.8	-3.7	
		PMZ	$m_B = 6.5$	6.0	12.2			PP	19 48 22.0	1.5	
		S	19 49 50.5	-2.4				PcP	19 50 02.4	2.5	
		LN	$M_s = 5.9$	12.0	11.6			S	19 52 20.0	0.2	
		LE		15.0	20.6			sS	19 52 42.0	-2.0	
		LZ	$M_s = 6.2$	22.0	85.3			ScP	19 53 41.0	3.9	
TIY	23.4 269	+P	19 45 52.2	-0.7				PcS	19 53 44.0	0.6	
		PMZ	$m_b = 5.4$	0.8	0.13			SS	19 54 16.0	-0.7	
		PMZ	$m_B = 5.9$	8.0	4.76			ScS	19 57 38.8	4.1	
		sP	19 46 17.0	5.1				LN	$M_s = 5.9$	12.0	12.1
		LN	$M_s = 6.0$	17.0	33.2			LZ	$M_s = 6.3$	20.0	59.4
		LZ	$M_s = 6.0$	20.0	52.2	CD2	32.8 263	eP	19 47 16.3	-2.3	
BTO	24.4 277	-iP	19 46 02.0	-0.1				PMZ	$m_b = 6.0$	0.8	0.18
		PMZ	$m_b = 5.5$	1.0	0.22			PMZ	$m_B = 6.1$	6.0	2.00
		PMZ	$m_B = 6.1$	7.0	5.36			sP	19 47 41.2	3.3	
		pP	19 46 15.0	0.1				LN	$M_s = 6.0$	13.0	16.6
		PP	19 46 39.0	1.2				LZ	$M_s = 5.8$	36.0	32.0
		S	19 50 14.0	0.4		GYA	33.2 254	+iP	19 47 22.0	0.2	
		SS	19 51 08.0	-2.0				PMZ	$m_b = 5.7$	1.0	0.12
		LN	$M_s = 6.3$	11.0	23.1			PMZ	$m_B = 6.3$	5.0	2.33
		LE		15.0	43.8			sP	19 47 45.0	4.0	
WHN	25.3 252	+iP	19 46 11.0	-0.2				PP	19 48 38.0	4.9	
		PMZ	$m_b = 6.4$	1.0	0.94			S	19 52 34.0	-1.1	
		PMZ	$m_B = 6.2$	8.0	5.63			sS	19 52 55.0	-4.3	
		sP	19 46 26.0	-4.3				SS	19 54 38.0	-1.2	
		iS	19 50 32.0	1.3				ScS	19 57 42.4	2.7	

QZN	36.0 240	LN	$M_s=6.3$	16.0	33.0	BTO	14.2 58	LZ	$M_s=4.2$	12.9	1.02	HHC	15.4 59	eP	21 19 19.0	-1.9	WHN	17.4 96	eP	21 19 32.0	-2.8	BJI	18.5 65	eP	21 20 20.5	4.5																
		LE		16.0	15.3			TIY	15.3 71	eP	21 19 41.3			-0.6	pP	21 19 34.6			-1.8	pP	21 20 02.0			-0.4																		
		LZ	$M_s=6.1$	20.0	40.3															PMZ	$m_b=4.3$			1.1	0.014	pP	21 20 08.0	-1.9	TIA	18.9 77	eP	21 20 22.2	1.6									
		+P	19 47 46.8	1.3																																						
		PMZ	$m_b=5.6$	0.9	0.089																																					
		PMZ	$m_b=6.3$	9.0	4.91																																					
		PP	19 49 13.0	5.7																																						
KMI	36.8 255	LN	$M_s=6.3$	18.0	26.9	QZN	20.5 133	eP	21 20 35.4	-2.6	SSE	23.0 90	eP	21 21 06.0	3.4	CN2	26.1 59	eP	21 21 34.0	1.4	MDJ	17.7 267	+P	05 07 36.5	-0.5	CN2	20.8 268	+P	05 08 09.0	-3.1												
		LE		16.0	16.2																																					
		+P	19 47 53.0	0.4																																						
		PMZ	$m_b=6.7$	1.9	2.30																																					
		PMZ	$m_b=6.8$	5.0	7.30																																					
		pP	19 48 08.5	2.6																																						
		PP	19 49 20.0	2.1																																						
WMQ	39.5 292	S	19 53 34.0	3.3		NOV 27d 05h 03m 30.3±0.03s, SD0.86 / 481	48.30 N±0.82km, 154.77 E±0.59km, h27±0.04km	Kurile Islands	(221)	$M_s5.6/56, m_b5.8/19, m_b5.8/147$	MDJ	17.7 267	+P	05 07 36.5	-0.5	CN2	20.8 268	+P	05 08 09.0	-3.1	SNY	22.9 265	+iP	05 08 30.0	-3.0	DL2	25.6 261	+P	05 08 59.0	-0.4												
		PcS	19 53 56.0	-3.8																																						
		LN	$M_s=6.1$	17.0	9.20																																					
		LE		17.0	17.7																																					
		LZ	$M_s=6.2$	20.0	35.1																																					
		+iP	19 48 15.9	0.7																																						
		PMZ	$m_b=5.9$	1.0	0.20																																					
KSH	49.3 291	PMZ	$m_b=7.0$	4.0	10.7	NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	CN2	20.8 268	+P	05 08 09.0	-3.1	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		pP	19 48 32.0	3.2																																						
		sP	19 48 36.0	1.1																																						
		PP	19 49 48.0	-2.2																																						
		iS	19 54 14.0	0.7																																						
		LN	$M_s=6.7$	14.0	20.4																																					
		LE		16.0	65.7																																					
LSA	5.1 211	LZ	$M_s=6.2$	25.0	46.6	NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	DL2	25.6 261	+P	05 08 59.0	-0.4	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		+P	19 49 34.0	0.3																																						
		pP	19 49 47.0	-0.4																																						
		LE	$M_s=6.5$	10.0	18.9																																					
		LN	$M_s=6.1$	17.0	9.20																																					
		LE		17.0	17.7																																					
		LZ	$M_s=6.2$	20.0	35.1																																					
GTA	7.0 39	+iP	19 48 15.9	0.7		NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	DL2	25.6 261	+P	05 08 59.0	-0.4	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		PMZ	$m_b=5.9$	1.0	0.20																																					
		PMZ	$m_b=7.0$	4.0	10.7																																					
		pP	19 48 32.0	3.2																																						
		sP	19 48 36.0	1.1																																						
		PP	19 49 48.0	-2.2																																						
		iS	19 54 14.0	0.7																																						
LZH	8.2 73	LN	$M_s=6.7$	14.0	20.4	NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	DL2	25.6 261	+P	05 08 59.0	-0.4	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		LE		16.0	65.7																																					
		LZ	$M_s=6.2$	25.0	46.6																																					
		+P	19 49 34.0	0.3																																						
		pP	19 49 47.0	-0.4																																						
		LE	$M_s=6.5$	10.0	18.9																																					
		LN	$M_s=6.1$	17.0	9.20																																					
CD2	8.7 109	LE		17.0	17.7	NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	DL2	25.6 261	+P	05 08 59.0	-0.4	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		LZ	$M_s=6.2$	25.0	46.6																																					
		+P	19 49 34.0	0.3																																						
		pP	19 49 47.0	-0.4																																						
		LE	$M_s=6.5$	10.0	18.9																																					
		LN	$M_s=6.1$	17.0	9.20																																					
		LE		17.0	17.7																																					
WMQ	10.9 335	LZ	$M_s=6.2$	25.0	46.6	NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4.5/14$	DL2	25.6 261	+P	05 08 59.0	-0.4	BJI	28.6 268	eP	05 09 26.0	-1.2	TIA	30.1 260	+P	05 09 39.6	-0.4	SSE	30.7 248	+iP	05 09 46.0	0.3												
		+P	19 49 34.0	0.3																																						
		pP	19 49 47.0	-0.4																																						
		LE	$M_s=6.5$	10.0	18.9																																					
		LN	$M_s=6.1$	17.0	9.20																																					
		LE		17.0	17.7																																					
		LZ	$M_s=6.2$	25.0	46.6																																					
XAN	12.3 86	+P	19 49 34.0	0.3		NOV 26d 21h 15m 59.8±0.06s, SD2.45 / 59	34.09 N±0.75km, 94.14 E±0.68km, h33±0.01km	Qinghai Province	(325)	$M_s4.5/12, M_L4.4/2, m_b4$																																

$m_b 5.0 / 56,$

SNY	129.8	339	+PKP	12 04 25.5	0.4		
WMQ	129.9	14	ePKP	12 04 26.8	1.5		
BJI	133.7	345	ePKP	12 04 33.0	0.5		
HHC	133.9	350	PKP	12 04 35.6	2.6		
GTA	136.0	3	+PKP	12 04 38.2	1.3		
TIA	137.0	343	ePKP	12 04 40.5	1.8		
LZH	139.4	358	ePKP	12 04 39.0	-4.1		
XAN	141.0	351	ePKP	12 04 42.0	-3.9		
CD2	144.6	358	ePKP	12 04 52.3	0.3		
GYA	148.8	353	PKP	12 05 01.6	2.5		

NOV 27d 11h 54m $13.4 \pm 0.05s$, SD1.00 / 45
 $27.11 S \pm 0.81km$, $177.52 W \pm 1.11km$, $h188 \pm 0.46km$
 Kermadec Islands region (177)

$m_b 5.1 / 13,$

MDJ	86.2	325	eP	12 06 35.5	0.2		
WHN	86.7	307	+P	12 06 38.5	0.5		
			PMZ	$m_b = 5.1$	0.8	0.026	
SNY	87.5	320	-P	12 06 41.0	-0.9		
			PMZ	$m_b = 5.2$	1.0	0.035	
CN2	87.8	323	eP	12 06 42.8	-0.3		
TIA	88.0	313	-P	12 06 44.7	0.3		
BJI	90.9	315	eP	12 06 57.5	-0.1		
			PMZ	$m_b = 4.9$	1.2	0.016	
TIY	92.0	312	+P	12 07 03.9	1.0		
			PMZ	$m_b = 5.3$	1.0	0.034	
			LZ		20.0	0.75	
XAN	92.5	307	P	12 07 06.0	1.0		
HHC	94.3	314	eP	12 07 14.4	1.2		

NOV 27d 17h 18m $22.0 \pm 0.18s$, SD2.63 / 9
 $35.83 N \pm 0.67km$, $81.05 E \pm 0.67km$, $h13 \pm 1.32km$
 Kashmir-Tibet border region (304)

$M_L 4.1 / 4,$

WMQ	9.5	31	eP	17 20 38.9	-2.6		
			SMN		0.8	0.020	
			SME		0.8	0.019	

NOV 27d 22h 25m $14.3 \pm 0.04s$, SD1.07 / 153
 $46.55 N \pm 1.12km$, $152.71 E \pm 0.79km$, $h54 \pm 0.24km$
 Kurile Islands (221)

$m_b 4.9 / 56,$

MDJ	16.3	272	eP	22 29 02.5	1.3		
SNY	21.4	268	+P	22 29 57.2	-2.1		
BJI	27.2	269	eP	22 30 57.5	2.2		
			PMZ	$m_b = 4.4$	1.0	0.0090	
			LZ	$M_S = 3.9$	20.0	0.30	
TIA	28.4	262	eP	22 31 06.5	0.1		
HHC	30.0	274	eP	22 31 21.2	0.3		
			PMZ	$m_b = 4.9$	1.0	0.022	
TIY	30.9	268	eP	22 31 28.6	0.3		
XAN	35.2	265	+P	22 32 06.0	0.0		
LZH	37.6	272	eP	22 32 26.5	0.2		
			PMZ	$m_b = 5.0$	1.4	0.033	
			sP	22 32 45.0	0.1		
GTA	38.7	279	+P	22 32 36.0	0.5		
			PMZ	$m_b = 5.0$	1.2	0.030	
			pP	22 32 45.0	-3.5		
CD2	40.6	265	+iP	22 32 51.4	0.6		
GYA	41.4	257	P	22 32 58.8	1.2		
			PMZ	$m_b = 4.5$	1.0	0.0080	
			pP	22 33 12.0	1.4		
WMQ	44.7	291	eP	22 33 24.0	-0.7		
LSA	50.0	273	-P	22 34 06.8	0.4		

NOV 28d 02h 03m $57.9 \pm 0.04s$, SD1.28 / 73
 $3.06 N \pm 0.55km$, $128.39 E \pm 0.87km$, $h48 \pm 0.32km$

Molucca Passage
 $m_b 5.0 / 19,$

WHN	30.4	336	eP	02 10 09.0	0.9		
			PMZ	$m_b = 4.9$	1.0	0.024	
			pP	02 10 20.0	0.2		
GYA	31.2	320	P	02 10 20.0	4.3		
TIA	34.6	344	eP	02 10 44.0	-0.7		
			pP	02 10 57.0	0.5		
XAN	35.8	332	P	02 10 54.2	-0.6		
			PMZ	$m_b = 5.0$	0.6	0.016	
			pP	02 11 07.5	0.9		
CD2	36.2	323	eP	02 10 57.8	-0.4		
TIY	37.5	339	eP	02 11 10.1	1.0		
BJI	38.4	345	eP	02 11 16.5	-0.6		
			pP	02 11 30.0	0.9		
LZH	39.9	328	+P	02 11 30.0	0.3		
			PMZ	$m_b = 5.2$	1.2	0.045	
			pP	02 11 42.5	1.0		
			sP	02 11 51.0	4.3		
			LZ	$M_S = 4.2$	30.0	0.47	
HHC	40.6	340	eP	02 11 35.4	0.5		
MDJ	41.4	1	eP	02 11 42.2	0.6		
			PMZ	$m_b = 5.1$	1.0	0.027	
			pP	02 11 54.0	0.4		
GTA	44.5	328	P	02 12 07.4	0.1		
			PMZ	$m_b = 4.9$	0.8	0.015	
			pP	02 12 14.2	-5.0		
WMQ	54.2	324	P	02 13 21.7	0.0		
			PMZ	$m_b = 5.0$	0.4	0.0080	
			pP	02 13 34.2	0.3		

NOV 28d 17h 19m $54.9 \pm 0.04s$, SD1.07 / 391
 $36.96 N \pm 0.78km$, $49.60 E \pm 0.41km$, $h15 \pm 0.12km$
 Western Iran (347)

$M_S 5.3 / 42, m_b 5.8 / 17, m_b 5.5 / 109$

KSH	20.8	75	+P	17 24 41.0	2.2		
			S	17 28 28.0	3.1		
			LE	$M_S = 5.9$	8.0	14.0	
WMQ	29.6	65	+iP	17 26 03.0	0.6		
			PMZ	$m_b = 5.2$	1.2	0.059	
			pP	17 26 07.0	-1.5		
			PP	17 26 52.0	-5.9		
			eS	17 30 51.0	-5.2		
			LN	$M_S = 5.2$	9.0	1.85	
			LZ	$M_S = 5.0$	20.0	3.47	
LSA	35.2	89	+P	17 26 51.6	-0.2		
			S	17 32 27.0	4.0		
			SME		5.0	0.67	
			LN	$M_S = 4.9$	12.0	1.04	
GTA	39.1	71	+iP	17 27 25.4	1.2		
			PMZ	$m_b = 5.2$	1.2	0.051	
			PMZ	$m_b = 5.8$	3.5	0.60	
			PP	17 28 52.0	-5.5		
			S	17 33 27.0	4.6		
			LN	$M_S = 5.1$	14.0	1.47	
			LZ	$M_S = 4.9$	24.0	2.18	
LZH	43.1	74	+P	17 27 58.0	1.1		
			PMZ	$m_b = 5.3$	1.5	0.071	
			PMZ	$m_b = 5.6$	6.0	0.66	
			sP	17 28 08.5	2.5		
			PP	17 29 40.0	1.2		
			PcP	17 29 45.0	-1.3		
			ScP	17 33 35.0	-0.6		
			PcS	17 33 38.0	0.5		
			eS	17 34 24.0	1.5		
			SS	17 37 30.0	2.5		
			LE	$M_S = 5.3$	13.0	1.66	
			LZ	$M_S = 5.1$	20.0	2.47	



44.48 S ± 0.85km, 167.87 E ± 0.44km, h8 ± 0.16km
 South Island, New Zealand (162)
 m_b5.0 / 13,

WHN	89.2	316	eP	23 48 05.0	0.8		
			pP	23 48 10.5	1.1		
GYA	90.0	308	P	23 48 09.6	1.3		
KMI	91.3	305	+P	23 48 16.0	1.8		
			PMZ	m _b = 5.7		1.5	0.060
XAN	94.7	314	eP	23 48 34.4	4.5		

WMQ	60.6	327	+iP	02 33 28.0	-1.3		
			PMZ	m _b = 5.3			
			pP	02 33 34.5	-4.3		
			PcP	02 34 12.0	-0.2		
			S	02 41 41.0	0.5		

NOV 30d 00h 43m 13.6 ± 0.04s, SD2.10 / 15
 39.87 N ± 0.36km, 116.15 E ± 0.37km, h14 ± 0.19km
 North-Eastern China (658)
 M_L3.2 / 13,

BJI	0.2	7	Pg	00 43 15.0	-2.4		
			Sg	00 43 17.0	-3.4		
TIY	3.6	235	Pn	00 44 09.7	0.1		
			-iPg	00 44 17.9	0.5		
			Sg	00 45 04.8	-2.0		
			SMN	M _L = 3.6		0.6	0.096
			SME			0.8	0.19
HHC	3.6	287	ePg	00 44 17.5	-0.5		
			Sg	00 45 04.8	-2.7		
			SMN	M _L = 3.4		1.2	0.097
			SME			1.2	0.099
TIA	3.7	168	ePn	00 44 13.3	2.1		
			Pg	00 44 22.3	2.8		
			eSg	00 45 09.3	-1.2		
			SMN	M _L = 2.9		0.3	0.026
			SME			0.3	0.038
BTO	4.7	281	ePg	00 44 37.7	0.1		
			Sg	00 45 40.9	-1.4		
			SMN	M _L = 3.1		0.8	0.028
			SME			0.8	0.024

NOV 30d 14h 11m 00.7 ± 0.07s, SD1.61 / 55
 10.74 S ± 1.05km, 74.37 W ± 1.59km, h30 ± 0.44km
 Peru (116)
 m_b4.8 / 11,

WMQ	143.6	22	PKP	14 30 32.7	-0.9		
			pPKP	14 30 42.5	0.3		
SNY	145.3	336	-PKP	14 30 36.8	0.3		
BJI	149.4	344	ePKP	14 30 44.5	1.3		
HHC	149.6	351	ePKP	14 30 45.8	2.1		
GTA	151.0	9	PKP	14 30 47.6	1.7		
			pPKP	14 30 53.2	-1.4		
			sPKP	14 30 57.4	-0.6		
TIA	152.6	340	ePKP	14 30 49.4	1.3		

NOV 30d 02h 23m 18.6 ± 0.07s, SD1.29 / 89
 4.16 S ± 0.61km, 129.29 E ± 0.87km, h34 ± 0.60km
 Banda Sea (280)
 m_b5.1 / 33,

SSE	35.9	348	eP	02 30 15.0	-2.9		
WHN	37.3	338	-P	02 30 31.5	1.5		
			PMZ	m _b = 5.3		1.5	0.076
			pP	02 30 39.0	-0.6		
GYA	37.5	325	P	02 30 32.2	0.7		
			PMZ	m _b = 4.7		1.0	0.013
			pP	02 30 39.8	-1.0		
			PcP	02 32 50.4	1.4		
KMI	38.9	320	eP	02 30 44.0	0.7		
			PMZ	m _b = 5.6		1.5	0.14
			pP	02 30 52.5	-0.1		
CD2	42.5	327	eP	02 31 12.8	-0.4		
XAN	42.6	335	P	02 31 12.5	-1.0		
BJI	45.6	346	eP	02 31 37.0	-0.8		
			PMZ	m _b = 5.0		1.0	0.022
SNY	46.1	354	+P	02 31 40.9	-0.6		
LZH	46.6	331	+P	02 31 45.5	-0.3		
			PMZ	m _b = 5.4		1.4	0.083
			pP	02 32 00.0	4.8		
HHC	47.6	342	eP	02 31 53.2	-0.8		
			PMZ	m _b = 5.2		1.6	0.049
CN2	47.9	356	eP	02 31 56.0	0.3		
			PMZ	m _b = 4.4		0.8	0.0040
BTO	47.9	340	eP	02 31 54.9	-1.3		
LSA	49.7	315	P	02 32 09.7	-0.5		
GTA	51.2	331	+iP	02 32 20.4	-0.7		
			PMZ	m _b = 5.5		1.0	0.065
			pP	02 32 27.4	-3.1		
			sP	02 32 33.4	-1.2		

NOV 30d 15h 00m 34.8 ± 0.10s, SD2.44 / 17
 29.05 N ± 0.78km, 94.92 E ± 1.04km, h15 ± 0.10km
 India-China border region (313)
 M_L3.9 / 3, m_b4.5 / 3,

KMI	8.0	117	eP	15 02 35.5	2.0		
			eS	15 04 08.0	3.4		
			SMN			2.0	0.090
			SME			2.0	0.080
LZH	10.3	45	eP	15 03 04.0	-1.4		
			PMZ	m _b = 4.6		1.0	0.018
GYA	10.7	101	P	15 03 09.8	-1.5		
WMQ	15.8	341	P	15 04 22.4	3.2		