

Sta.	Δ	Az	Phase	UTC	Resid	T	A	Sta.	Δ	Az	Phase	UTC	Resid	T	A
code	(deg.)	(deg.)		h min s	(s)	(s)	(μ m)	code	(deg.)	(deg.)		h min s	(s)	(s)	(μ m)
DEC 1d 01h 47m 55.0 \pm 0.06s, SD2.65 / 10 30.80 N \pm 0.53km, 103.77 E \pm 0.63km, h16 \pm 0.09km Sichuan Province (307) M_L 3.4 / 9, m_b 3.9 / 1,								Taiwan region (243) M_S 4.7 / 27, M_L 4.8 / 8, m_b 5.4 / 1,							
LZH	5.3	1	Pg	01 49 32.0	3.6			QZH	3.4	302	-IP	06 15 04.0	-0.4		
			PMZ		$m_b = 3.9$	1.0	0.016				S	06 15 45.4	1.6		
XAN	5.4	52	Pn	01 49 13.0	-2.7						SMN		$M_L = 4.5$	0.8	1.33
			Pg	01 49 29.0	-1.7			GZH	7.8	271	+P	06 16 05.0	-1.0		
			Sn	01 50 14.5	-5.3						LZ		$M_S = 4.3$	15.0	6.62
			SMN		$M_L = 3.8$	1.0	0.10				SMN		$M_L = 5.4$	1.0	1.72
			SME			1.0	0.063				SME			0.8	0.53
DEC 1d 13h 13m 22.7 \pm 0.04s, SD0.85 / 71 22.37 S \pm 0.15km, 179.52 W \pm 0.50km, h580 \pm 0.53km South of Fiji (171) m_b 5.0 / 40,								SSE							
GZH	79.4	300	+P	13 24 32.4	1.1						P	06 16 07.5	-0.5		
MDJ	81.2	326	eP	13 24 40.6	-0.2						pP	06 16 11.0	-3.8		
			PMZ		$m_b = 4.7$	0.8	0.023				S	06 17 33.0	-3.9		
SNY	82.7	321	+P	13 24 48.0	-0.3						SMN		$M_L = 4.8$	1.2	0.17
			PMZ		$m_b = 4.5$	1.0	0.017				SME			1.1	0.33
CN2	82.9	323	-P	13 24 48.8	-0.5			WHN	9.9	320	+P	06 16 33.0	-2.4		
			PMZ		$m_b = 4.7$	1.0	0.029				PMZ		$m_b = 6.0$	0.5	0.18
TIA	83.5	313	eP	13 24 52.4	0.3						S	06 18 19.7	-6.3		
BJI	86.2	316	eP	13 25 05.0	-0.3						LN		$M_S = 5.1$	6.0	3.80
TIY	87.5	313	eP	13 25 11.8	0.5						LE			6.0	3.17
XAN	88.1	308	P	13 25 13.9	-0.5			QZN	11.9	252	-P	06 17 02.0	-0.6		
			PMZ		$m_b = 4.6$	0.8	0.0080				PMZ		$m_b = 5.4$	0.8	0.059
KMI	88.9	298	+P	13 25 19.5	1.1						LN		$M_S = 4.4$	16.0	1.43
HHC	89.7	315	P	13 25 21.5	0.0						LE			17.0	1.52
			PMZ		$m_b = 4.7$	1.0	0.011	TIA	13.6	344	eP	06 17 26.6	1.0		
BTO	90.5	314	eP	13 25 26.0	0.4						pP	06 17 35.0	2.3		
LZH	92.8	308	eP	13 25 36.5	0.6						LN		$M_S = 4.7$	6.0	0.63
			PMZ		$m_b = 5.3$	1.0	0.026				LE			6.0	1.08
DEC 1d 22h 41m 13.8 \pm 0.05s, SD1.08 / 127 32.05 S \pm 0.37km, 69.47 W \pm 0.47km, h103 \pm 0.48km Mendoza Province, Argentina (139) m_b 5.3 / 28,								GYA							
WMQ	158.6	50	PKP	23 01 01.0	0.9						+iP	06 17 32.0	-0.3		
			PKP2	23 01 37.1	0.4						PMZ		$m_b = 5.2$	1.0	0.039
MDJ	160.5	316	ePKP	23 01 01.2	-1.0						PP	06 17 42.0	-1.6		
LSA	163.2	93	+iPKP	23 01 06.6	1.3						SMN			1.4	0.25
CN2	163.4	319	ePKP	23 01 04.5	-0.6						SME			1.4	0.19
GTA	168.6	47	PKP	23 01 10.6	1.2						LN		$M_S = 4.7$	12.0	1.59
			pPKP	23 01 40.8	4.4						LE			12.0	1.43
			PKP2	23 02 20.4	0.1						LZ		$M_S = 4.5$	18.0	2.47
KMI	170.3	133	+PKP	23 01 12.0	1.5			XAN	15.6	317	P	06 17 52.0	0.0		
BJI	170.8	332	ePKP	23 01 10.0	-0.5						PMZ		$m_b = 5.2$	1.0	0.11
HHC	171.2	355	ePKP	23 01 11.8	0.9						LN		$M_S = 5.2$	6.0	2.80
BTO	171.5	3	ePKP	23 01 12.3	1.2						LE			5.0	1.48
TIA	173.1	309	ePKP	23 01 12.4	0.4			TIY	16.5	333	+P	06 18 07.6	3.6		
			pPKP	23 01 42.0	2.7						LN		$M_S = 4.6$	10.0	1.20
LZH	173.1	52	ePKP	23 01 13.0	0.8						LZ		$M_S = 4.6$	13.0	1.92
			pPKP	23 01 43.5	4.1						PMZ		$m_b = 4.3$	1.5	0.020
			PKP2	23 02 40.5	-0.1						LZ		$M_S = 3.8$	20.0	0.42
GYA	173.5	148	PKP	23 01 12.8	0.0			KMI	17.5	280	-P	06 18 18.8	3.1		
			pPKP	23 01 43.4	3.3						PMZ		$m_b = 4.8$	1.0	0.050
CD2	174.1	99	ePKP	23 01 13.2	-0.9						sP	06 18 28.5	0.8		
TIY	174.1	345	+PKP	23 01 12.5	-1.6			CD2	17.8	300	P	06 18 20.0	0.6		
XAN	177.6	34	+PKP	23 01 13.6	0.6			SNY	18.7	4	eP	06 18 30.0	-0.1		
DEC 2d 06h 14m 12.6 \pm 0.04s, SD1.46 / 131 23.19 N \pm 0.62km, 121.76 E \pm 0.69km, h33 \pm 0.19km								HHC							
											eP	06 18 41.5	0.4		
											PMZ		$m_b = 3.9$	1.0	0.0060
											pP	06 18 48.0	-1.1		
											PP	06 19 01.0	2.1		
											eS	06 22 17.0	1.7		

CD2	57.4	313	P	11 30	40.0	-0.4			SSE	161.9	330	-PKP	17 46	56.5	1.0			
			PMZ		$m_b=5.2$		0.6	0.019	CD2	163.5	22	ePKP	17 46	58.4	1.3			
HHC	58.5	327	eP	11 30	47.5	-0.3						PKP2	17 47	50.9	0.1			
			pP	11 31	01.5	-0.8			WHN	164.8	348	PKP	17 46	59.0	0.6			
			LZ		$M_s=4.8$		20.0	0.75	KMI	167.9	37	ePKP	17 47	01.5	0.6			
BTO	59.2	325	eP	11 30	52.5	-0.1			GYA	168.6	19	PKP	17 47	02.6	1.4			
LZH	60.2	318	eP	11 31	00.0	0.3						PKP2	17 48	13.2	0.3			
			PMZ		$m_b=5.1$		1.0	0.026	DEC 2d 17h 49m $40.5 \pm 0.05s$, SD2.40 / 15 38.97 N $\pm 0.53km$, 97.88 E $\pm 0.46km$, h8 $\pm 0.09km$ Qinghai Province (325) $M_s 3.9 / 1$, $M_L 3.9 / 5$,									
			pP	11 31	15.0	0.8			GTA	1.6	73	-iPg	17 50	10.0	1.6			
			LE		$M_s=5.1$		10.0	0.45				Pn	17 50	11.4	2.4			
			LZ		$M_s=4.7$		25.0	0.64				Sg	17 50	31.4	1.8			
GTA	64.7	319	P	11 31	29.0	-0.6						SMN	$M_L=3.8$		0.4	1.42		
			PMZ		$m_b=4.7$		0.6	0.0060				SME			0.4	1.06		
			sP	11 31	52.4	1.9						LN			7.0	2.65		
LSA	66.6	306	P	11 31	43.0	0.8						LZ			8.0	3.14		
WMQ	74.7	318	P	11 32	35.6	4.5			LZH	5.5	119	ePn	17 51	06.5	2.6			
			PMZ		$m_b=4.5$		0.8	0.0050	WMQ	9.0	306	eP	17 51	52.0	-2.7			
			pP	11 32	47.5	1.6						SMN			1.0	0.037		
DEC 2d 12h 25m $31.8 \pm 0.09s$, SD3.59 / 7 21.47 N $\pm 0.81km$, 111.77 E $\pm 0.66km$, h16 $\pm 0.22km$ Eastern China (664) $M_L 3.8 / 7$,																		
GZH	2.2	42	Pg	12 26	08.7	-1.6						SME			1.0	0.052		
			Sn	12 26	34.0	-2.3			BTO	9.5	76	eP	17 52	01.5	0.7			
			SMN		$M_L=3.8$		0.5	0.74				LN	$M_s=3.9$		9.0	0.34		
			SME				0.5	0.74	SSE	20.6	105	eP	17 54	22.0	-1.0			
QZN	3.0	217	Pn	12 26	21.4	1.9						LE			8.0	0.27		
			Pg	12 26	31.8	6.6			DEC 2d 19h 45m $37.0 \pm 0.06s$, SD1.93 / 38 32.04 N $\pm 0.59km$, 94.59 E $\pm 0.65km$, h46 $\pm 0.08km$ Tibet (306) $M_s 4.1 / 3$, $M_L 4.2 / 2$, $m_b 4.3 / 12$									
			Sg	12 27	13.2	6.6			LSA	3.8	233	iP	19 46	37.6	2.9			
			SMN		$M_L=3.1$		0.6	0.073				SMN	$M_L=3.2$		0.6	0.053		
			SME				0.4	0.090				SME			0.8	0.056		
GYA	6.8	318	Pg	12 27	36.6	4.2			GTA	8.5	29	eP	19 47	38.0	-2.6			
			Sn	12 28	35.0	3.8						PMZ	$m_b=4.0$		0.8	0.0040		
			SMN		$M_L=3.7$		1.0	0.041				pP	19 47	44.6	-2.7			
			SME				1.0	0.034	LZH	8.7	60	eP	19 47	41.5	-1.6			
DEC 2d 13h 14m $06.3 \pm 0.15s$, SD1.67 / 34 16.35 S $\pm 2.22km$, 172.31 W $\pm 1.71km$, h30 $\pm 0.43km$ Samoa region (169) $m_b 4.6 / 9$,																		
CN2	82.5	320	eP	13 26	30.0	1.8						sP	19 47	59.0	1.6			
			PMZ		$m_b=4.6$		1.0	0.0060				SMN			2.0	0.14		
			epP	13 26	37.0	-0.2						SME			2.0	0.091		
BJI	86.9	313	eP	13 26	51.0	0.8						LN	$M_s=4.1$		6.0	0.55		
TIY	88.7	310	eP	13 26	57.2	-1.7						LZ	$M_s=3.8$		8.0	0.48		
HHC	90.4	313	P	13 27	09.0	1.7			KMI	9.9	132	eP	19 48	00.0	-0.3			
			LZ		$M_s=5.0$		20.0	0.62				PMZ	$m_b=4.9$		1.9	0.050		
BTO	91.4	312	eP	13 27	13.5	1.5						LN	$M_s=4.1$		9.0	0.50		
LZH	94.6	306	eP	13 27	27.5	0.9						LE			9.0	0.50		
GTA	98.6	308	eP	13 27	47.0	2.5						LZ	$M_s=4.3$		10.0	1.40		
			PMZ		$m_b=5.3$		1.0	0.0060	GYA	11.9	115	P	19 48	25.6	-1.7			
			pP	13 27	52.8	-0.6			XAN	12.2	77	eP	19 48	29.0	-1.9			
DEC 2d 17h 27m $21.4 \pm 0.06s$, SD1.50 / 239 15.68 S $\pm 1.24km$, 69.21 W $\pm 1.08km$, h232 $\pm 0.64km$ Peru-Bolivia border region (118) $m_b 6.4 / 1$, $m_b 5.0 / 58$,																		
WMQ	145.8	30	+iPKP	17 46	35.2	1.8			WMQ	12.9	337	P	19 48	39.5	-1.5			
MDJ	147.1	335	ePKP	17 46	37.6	2.1						PMZ	$m_b=4.7$		1.2	0.014		
CN2	149.3	339	ePKP	17 46	38.5	-0.6						PP	19 48	50.0	-1.3			
GTA	154.5	20	ePKP	17 46	47.8	1.1			HHC	16.2	52	P	19 49	26.0	2.3			
HHC	154.9	359	+PKP	17 46	49.6	2.4			CN2	26.9	55	eP	19 51	15.2	-0.6			
BTO	155.2	1	ePKP	17 46	48.0	0.4						PMZ	$m_b=4.5$		1.0	0.011		
TIY	158.0	357	ePKP	17 46	52.0	0.7						epP	19 51	23.5	-3.6			
LZH	158.8	16	ePKP	17 46	53.5	1.2			DEC 3d 01h 14m $17.3 \pm 0.06s$, SD2.95 / 10 38.57 N $\pm 0.52km$, 116.01 E $\pm 0.55km$, h11 $\pm 0.16km$ North-Eastern China (658) $M_L 3.0 / 10$,									
			ePKP2	17 47	30.0	-0.1			BJI	1.5	5	Pg	01 14	41.0	-2.4			
TIA	158.8	346	ePKP	17 46	53.1	0.9						Sg	01 15	01.0	-2.6			
												SMN	$M_L=2.9$		0.5	0.12		
									TIA	2.5	159	ePn	01 14	55.3	-3.3			
												SME			0.5	0.18		



Station	Time	Phase	Time (s)	Amplitude (mm)	Phase (deg)	SL	SN	ML	MS	Phase	Time (s)	Amplitude (mm)	Phase (deg)	SL	SN	ML	MS		
TIY	2.9 254	Pg	01 14	56.7	-5.1														
		Sn	01 15	25.9	-5.1														
		Sg	01 15	33.3	-2.9														
		SMN			$M_L=2.7$		0.3	0.042											
		SME					0.3	0.037											
HHC	4.1 305	+Pg	01 15	08.9	-0.7														
		Sg	01 15	49.0	-0.8														
		SMN			$M_L=3.0$		0.7	0.056											
		SME					0.6	0.056											
QZH	77.3 306	-iP	10 44	38.0	-0.6														
		PMZ			$m_b=5.7$		1.5	0.52											
		PMZ			$m_B=6.3$		4.0	5.38											
		pP	10 46	36.0	-0.9														
SSE	79.3 313	sP	10 47	33.0	0.1														
		S	10 53	41.0	-1.6														
		-iP	10 44	48.0	-1.3														
		PMZ			$m_b=5.0$		0.7	0.052											
GZH	80.1 302	PMZ				6.0	2.00												
		pP	10 46	44.0	-4.3														
		sP	10 47	46.0	1.9														
		PP	10 47	56.0	-4.1														
QZN	80.7 297	S	10 54	00.0	-3.4														
		SKS	10 54	14.0	6.2														
		-iP	10 44	54.0	0.5														
		PMZ			$m_b=5.7$		1.2	0.41											
WHN	83.7 308	PMZ				5.0	3.28												
		pP	10 46	53.0	0.2														
		sP	10 47	49.0	0.5														
		iS	10 54	11.5	-1.7														
MDJ	83.7 327	P	10 44	56.5	0.2														
		PMZ			$m_b=5.2$		0.7	0.063											
		PMZ			$m_B=6.1$		6.0	4.72											
		pP	10 46	56.5	0.7														
DL2	84.1 319	eS	10 54	19.5	0.8														
		-iP	10 45	10.5	-0.8														
		PMZ			$m_b=5.0$		1.5	0.076											
		PMZ			$m_B=6.1$		4.0	2.66											
SNY	84.9 322	pP	10 47	11.0	-0.8														
		-P	10 45	11.4	-0.4														
		PMZ			$m_b=6.1$		1.3	0.88											
		PMZ			$m_B=6.2$		4.5	3.39											
TIA	85.2 314	-iP	10 45	13.0	-0.4														
		PMZ			$m_b=5.9$		1.4	0.54											
		PMZ			$m_B=5.6$		8.0	1.47											
		sP	10 48	12.0	2.6														
CN2	85.3 324	SKS	10 54	40.0	-0.7														
		-iP	10 45	16.0	-1.5														
		PMZ			$m_b=5.4$		1.0	0.11											
		PMZ			$m_B=5.8$		4.0	1.11											
GTA	98.4 310	pP	10 47	16.0	-2.3														
		sP	10 48	12.0	-1.6														
		SKS	10 54	43.0	-3.1														
		-P	10 45	18.6	-0.1														
GTA	98.4 310	PMZ				1.4	0.97												
		PMZ			$m_b=6.3$		6.0	3.62											
		pP	10 47	20.0	0.4														
		SKS	10 54	48.0	0.2														
GTA	98.4 310	ScS	10 55	03.0	-3.8														
		-iP	10 45	18.4	-0.8														
		PMZ			$m_b=6.2$		1.4	0.16											
		PMZ			$m_B=6.5$		3.5	0.99											
GTA	98.4 310	pP	10 48	21.8	-0.8														
		PMZ			$m_b=6.1$		1.4	0.16											
		PMZ			$m_B=6.5$		3.5	0.99											
		pP	10 48	21.8	-0.8														
GTA	98.4 310	PMZ				2.0	1.20												
		PMZ			$m_b=6.4$		5.0	2.18											
		pP	10 47	34.0	-0.2														
		sP	10 48	28.0	-1.4														
GTA	98.4 310	SKS	10 55	05.0	-1.3														
		S	10 55	32.0	4.5														
		sS	10 59	03.0	-0.8														
		-iP	10 45	37.0	-0.3														
GTA	98.4 310	PMZ				1.2	0.46												
		PMZ			$m_b=6.2$		6.0	2.29											
		pP	10 47	39.0	-0.2														
		sP	10 48	38.5	4.2														
GTA	98.4 310	ScS	10 55	41.5	2.3														
		-iP	10 45	38.5	-0.3														
		PMZ			$m_b=5.8$		0.9	0.12											
		PMZ			$m_B=6.3$		5.0	2.17											
GTA	98.4 310	pP	10 47	41.6	0.7														
		sP	10 48	40.0	4.1														
		PP	10 49	20.0	-1.8														
		SKS	10 55	14.0	-0.2														
GTA	98.4 310	S	10 55	43.6	4.2														
		-iP	10 45	39.5	0.4														
		PMZ			$m_b=6.5$		1.9	1.40											
		pP	10 47	41.5	0.5														
GTA	98.4 310	S	10 55	43.0	3.3														
		-P	10 45	48.0	0.0														
		PMZ			$m_b=6.0$		1.4	0.26											
		PMZ			$m_B=6.2$		5.0	1.20											
GTA	98.4 310	pP	10 47	50.0	-0.3														
		PP	10 49	36.5	-0.2														
		SKS	10 55	26.0	0.3														
		P	10 45	48.5	0.0														
GTA	98.4 310	PMZ				1.4	0.49												
		sP	10 48	48.0	2.2														
		PP	10 49	36.0	-2.1														
		SKS	10 55	26.0	-0														

		PP	10 50 25.0	-6.7		
		SKS	10 56 00.0	-3.3		
		S	10 57 00.0	3.8		
		sS	11 00 40.0	2.9		
LSA	100.7 298	P	10 46 30.8	0.4		
WMQ	108.5 310	Pdif	10 47 05.0	0.4		
KSH	115.7 303	P	10 51 21.0	1.6		

DEC 3d 15h 46m 12.3±0.03s, SD0.97 / 107
6.29 S±0.66km, 104.12 E±0.76km, h54±0.21km
South-west of Sumatera (273)
m_b5.1 / 41,

KMI	31.3 358	eP	15 52 30.0	0.0		
		PMZ	m _b =5.4		0.5	0.030
		pP	15 52 43.0	0.4		
		LZ	M _S =4.7		20.0	1.60
GYA	32.6 4	P	15 52 42.0	0.2		
		PMZ	m _b =4.6		1.0	0.011
		LZ	M _S =4.3		20.0	0.63
CD2	37.0 359	P	15 53 17.8	-1.0		
		PMZ	m _b =5.0		0.7	0.020
LSA	37.9 341	-iP	15 53 26.4	-0.4		
		PMZ	m _b =4.4		1.0	0.0070
WHN	37.9 14	eP	15 53 27.5	1.0		
		PMZ	m _b =5.1		1.0	0.031
XAN	40.4 6	-P	15 53 46.5	-0.4		
		PMZ	m _b =5.2		0.5	0.020
		sP	15 54 02.0	-4.0		
SSE	40.6 23	P	15 53 50.6	1.8		
		PMZ	m _b =4.6		0.7	0.0070
		LZ	M _S =4.5		20.0	0.60
LZH	42.2 360	eP	15 54 02.0	0.2		
		PMZ	m _b =5.0		1.0	0.023
TIA	44.0 15	eP	15 54 16.9	0.2		
TIY	44.5 9	eP	15 54 20.5	0.1		
GTA	45.6 355	P	15 54 30.0	0.1		
		PMZ	m _b =5.2		0.7	0.022
BTO	47.0 6	eP	15 54 41.0	0.6		
HHC	47.4 8	+P	15 54 44.7	0.9		
		PMZ	m _b =5.5		0.8	0.054
		LZ	M _S =4.8		20.0	1.00
BJI	47.4 13	eP	15 54 44.5	0.7		
		PMZ	m _b =5.3		1.0	0.044
		pP	15 54 58.0	0.8		
		LZ	M _S =4.4		18.0	0.35
SNY	51.1 19	+P	15 55 10.4	-1.6		
WMQ	52.0 345	P	15 55 19.2	0.0		
		PMZ	m _b =5.5		1.2	0.072
		pP	15 55 33.0	0.3		
		eS	16 02 37.5	0.2		
		LZ	M _S =4.5		20.0	0.46
KSH	52.5 333	P	15 55 22.5	-0.3		
CN2	53.5 19	+P	15 55 29.0	-0.7		
		PMZ	m _b =5.4		1.0	0.046
		epP	15 55 42.0	-1.3		
		LZ	M _S =4.7		18.0	0.59
MDJ	55.6 22	eP	15 55 45.0	-0.5		

DEC 4d 02h 47m 30.6±0.10s, SD1.38 / 69
15.25 S±1.76km, 174.22 W±0.97km, h35±0.30km
Tonga (173)
m_b5.0 / 21,

CN2	80.5 320	eP	02 59 40.0	-1.3		
		PMZ	m _b =4.8		1.0	0.011
		epP	02 59 54.0	2.8		
		LZ	M _S =5.1		20.0	0.89
BJI	84.8 314	eP	03 00 04.5	0.9		
		PMZ	m _b =5.2		1.5	0.040

		LZ	M _S =4.9		16.0	0.59
TIY	86.5 310	eP	03 00 14.0	1.7		
GYA	87.3 298	P	03 00 17.6	1.7		
HHC	88.3 313	eP	03 00 22.2	1.2		
		PMZ	m _b =5.4		1.6	0.044
		pP	03 00 30.0	-0.9		
		LZ	M _S =5.1		16.0	0.59
BTO	89.3 312	eP	03 00 26.5	0.7		
		sP	03 00 35.5	-4.2		
		eSKS	03 10 54.0	4.2		
LZH	92.5 307	P	03 00 42.0	1.5		

DEC 4d 03h 10m 27.6±0.05s, SD2.43 / 14
33.19 N±0.45km, 103.75 E±0.38km, h16±0.18km
Sichuan Province (307)
M_L3.5 / 9,

CD2	2.3 180	Pn	03 11 07.4	2.2		
		Pg	03 11 08.7	0.8		
		Sg	03 11 40.3	1.2		
		SME	M _L =3.1		0.6	0.12
LZH	2.9 2	Pg	03 11 20.0	1.1		
		Sg	03 12 02.0	3.8		
		SMN	M _L =3.5		1.5	0.21
		SME			1.5	0.22
XAN	4.4 78	Pn	03 11 35.0	0.7		
		Pg	03 11 46.0	0.7		
		Sn	03 12 26.0	-1.2		
		Sg	03 12 45.0	-0.5		
		SMN	M _L =3.7		0.6	0.13
		SME			1.0	0.15
GTA	7.0 334	Pn	03 12 10.0	0.2		
		pP	03 12 14.2	-3.0		

DEC 4d 06h 42m 58.5±0.03s, SD1.05 / 86
1.13 S±0.54km, 129.05 E±0.80km, h33±0.14km
Djailolo Gilolo (Halmahera) (267)
M_S4.9 / 18, m_b4.9 / 26,

QZH	27.8 339	eP	06 48 46.5	-0.7		
		PMZ	m _b =5.0		1.0	0.031
		LN	M _S =5.0		12.0	1.55
		LE			12.0	1.21
		LZ	M _S =4.9		16.0	2.37
GZH	28.5 329	eP	06 48 50.0	-3.3		
		LN	M _S =4.9		13.0	1.43
SSE	32.9 348	P	06 49 32.0	-0.2		
		PMZ	m _b =4.7		1.4	0.019
		pP	06 49 38.5	-2.9		
		S	06 54 48.0	1.9		
		LE	M _S =4.9		12.0	1.00
		LZ	M _S =4.7		20.0	1.40
WHN	34.5 337	eP	06 49 42.5	-3.1		
		pP	06 49 52.0	-2.9		
		S	06 55 08.0	-2.3		
		LN	M _S =4.9		12.0	1.04
		LZ	M _S =4.6		24.0	1.35
GYA	34.9 323	P	06 49 50.6	1.0		
		pP	06 49 58.0	-0.7		
		LN	M _S =5.0		16.0	1.16
		LE			16.0	0.92
		LZ	M _S =4.8		18.0	1.66
KMI	36.5 318	eP	06 50 03.5	0.5		
		PMZ	m _b =5.4		1.5	0.10
		pP	06 50 10.0	-2.0		
		LE	M _S =4.5		10.0	0.30
		LZ	M _S =4.9		20.0	1.80
XAN	39.8 333	-P	06 50 30.1	-0.2		
		pP	06 50 36.5	-3.1		
		S	06 56 36.0	4.8		



CD2	39.9	325	LN	$M_s=4.8$	14.0	0.71	GYA	71.6	25	+iP	09 26	52.0	0.5		
			P	06 50 31.9	0.4					PMZ		$m_b=5.2$	1.2	0.030	
			S	06 56 36.0	2.5					PMZ		$m_b=5.9$	6.0	0.84	
TIY	41.6	340	LZ	$M_s=4.4$	20.0	0.56				pP	09 27	00.0	3.1		
			eP	06 50 45.0	-0.4					S	09 36	14.0	5.6		
			LE	$M_s=5.0$	16.0	1.29				SS	09 40	50.0	4.7		
BJI	42.6	345	LZ	$M_s=4.8$	24.0	1.51				LN		$M_s=5.9$	20.0	3.78	
			eP	06 50 54.0	0.2					LE			20.0	1.45	
			PMZ	$m_b=4.5$	1.0	0.0080				LZ		$M_s=5.8$	24.0	6.00	
SNY	43.0	354	LZ	$M_s=4.5$	20.0	0.60	CD2	74.9	21	P	09 27	10.4	-0.7		
			-P	06 50 57.6	0.4					PMZ		$m_b=5.5$	1.0	0.060	
			PMZ	$m_b=4.8$	0.8	0.011				S	09 36	50.0	3.8		
			S	06 57 25.0	5.4					LN		$M_s=6.1$	22.0	7.10	
LZH	43.8	330	LZ	$M_s=4.8$	20.0	1.22				LZ		$M_s=5.8$	22.0	5.60	
			eP	06 51 04.5	0.6		WHN	78.0	30	-P	09 27	29.0	0.8		
			PMZ	$m_b=5.0$	1.5	0.034				PMZ		$m_b=4.9$	1.0	0.015	
			pP	06 51 10.0	-3.1					PMZ		$m_b=5.5$	5.0	0.29	
			LN	$M_s=4.9$	15.0	0.89				S	09 37	24.0	4.5		
HHC	44.7	341	LZ	$M_s=4.8$	35.0	1.85				LN		$M_s=6.0$	18.0	3.38	
			eP	06 51 10.0	-0.8					LE			18.0	2.41	
			S	06 57 43.0	-0.8					LZ		$M_s=5.9$	20.0	5.63	
			SS	07 00 55.0	-2.2		XAN	79.3	24	P	09 27	35.0	-0.7		
			LN	$M_s=4.9$	14.0	0.38				PMZ		$m_b=5.0$	0.9	0.015	
			LE		15.0	0.72				PMZ		$m_b=6.6$	6.0	4.26	
			LZ	$M_s=4.8$	26.0	1.55				SS	09 42	47.0	3.3		
CN2	44.8	356	eP	06 51 10.0	-1.8					LN		$M_s=5.8$	16.0	1.98	
			PMZ	$m_b=4.4$	0.8	0.0050	LZH	79.9	19	eP	09 27	37.5	-1.2		
			eS	06 57 49.0	2.2					PMZ		$m_b=5.8$	1.0	0.10	
			LN	$M_s=5.4$	11.0	1.47				PMZ		$m_b=5.7$	5.0	0.40	
			LE		11.0	0.85				S	09 37	42.0	2.6		
BTO	45.0	339	LZ	$M_s=4.9$	18.0	1.18				LN		$M_s=6.0$	22.0	4.40	
			eP	06 51 16.0	2.8					LZ		$M_s=5.8$	25.0	5.80	
			LN	$M_s=4.8$	15.0	0.37	KSH	80.4	356	P	09 27	41.5	-0.2		
			LE		15.0	0.44				S	09 37	48.0	2.6		
LSA	47.4	313	eP	06 51 31.0	-1.5					LN		$M_s=6.4$	15.0	4.90	
GTA	48.4	330	P	06 51 40.4	0.2					LE			16.0	5.70	
			PMZ	$m_b=4.7$	1.0	0.011	SSE	81.2	35	P	09 27	46.0	0.4		
			pP	06 51 45.2	-4.2					PMZ		$m_b=4.9$	1.4	0.019	
			sP	06 51 51.0	-2.4					S	09 37	55.0	1.7		
			S	06 58 40.0	3.2					eSS	09 43	16.0	4.3		
			LE	$M_s=5.1$	13.0	0.87				LN		$M_s=5.5$	14.0	0.70	
			LZ	$M_s=4.9$	22.0	1.33				LE			14.0	0.70	
WMQ	58.0	326	P	06 52 50.8	-0.2					LZ		$M_s=5.3$	20.0	1.50	
			PMZ	$m_b=4.9$	1.5	0.023	GTA	82.2	15	+P	09 27	50.4	-0.3		
			pP	06 52 56.0	-4.4					PMZ		$m_b=5.8$	1.0	0.099	
			eS	07 00 52.0	4.1					PMZ		$m_b=5.8$	6.0	0.56	
			LZ	$M_s=5.1$	20.0	1.54				pP	09 27	57.4	1.4		
KSH	63.1	316	eP	06 53 27.4	1.3					sP	09 28	00.0	1.4		
<p>DEC 5d 09h 15m $27.2 \pm 0.06s$, SD1.37 / 117 $41.21 S \pm 1.24km$, $80.40 E \pm 1.14km$, $h10 \pm 0.07km$ Mid-Indian Rise (429) $M_s 5.9 / 43$, $m_b 5.9 / 14$, $m_b 5.2 / 39$</p>															
KMI	69.2	22	eP	09 26 38.0	0.9					PP	09 31	00.0	0.2		
			PMZ	$m_b=5.6$	1.7	0.13	TIY	83.8	25	eP	09 27	59.2	0.0		
			PMZ	$m_b=5.8$	5.0	0.60				S	09 38	21.0	1.1		
			S	09 35 44.0	3.6					LN		$M_s=6.1$	21.0	5.00	
			LN	$M_s=5.6$	13.0	1.00				LZ		$M_s=5.7$	27.0	4.66	
			LE		13.0	0.90	TIA	84.1	29	eP	09 27	56.8	-3.6		
			LZ	$M_s=5.7$	20.0	4.90				S	09 38	25.0	2.6		
GZH	70.9	32	P	09 26 50.0	2.8					LN		$M_s=6.2$	19.0	5.40	
			S	09 36 05.0	4.6					LE			19.0	2.00	
			LN	$M_s=5.7$	15.0	1.02				LZ		$M_s=6.0$	20.0	5.90	
			LE		14.0	1.59	WMQ	84.9	5	eP	09 28	04.3	-0.3		
			LZ	$M_s=5.5$	24.0	3.38				PMZ		$m_b=5.3$	1.5	0.039	
LSA	71.3	10	+iP	09 26 49.5	-0.3					PMZ		$m_b=6.2$	6.0	1.17	
			iS	09 36 08.5	1.8					PP	09 31	17.0	-4.6		
			LN	$M_s=6.1$	19.5	7.35				LN		$M_s=5.9$	14.0	1.69	

BTO	85.8	22	LE		14.0	1.43	GYA	13.9	289	LN	$M_s=4.5$	14.0	1.70			
			LZ	$M_s=6.0$	28.0	9.53				LE		14.0	1.79			
			eP	09 28 09.0	0.1	+iP				15 51 40.6	0.4					
			PMZ	$m_b=5.4$	1.0	0.036				PMZ	$m_b=5.6$	1.0	0.13			
			PP	09 31 25.0	-3.4	SMN						1.6	0.25			
			eSKS	09 38 25.5	-4.5	SME						1.6	0.19			
HHC	86.4	23	S	09 38 32.0	-6.8	LN	$M_s=4.6$	13.0	1.21	XAN	15.8	319	LE		13.0	1.81
			LN	$M_s=6.0$	17.0	1.86	LZ	$M_s=4.6$	15.0				3.00			
			LE		19.0	2.60	eP	15 52 04.2	0.0							
			eP	09 28 11.4	-0.8	S	15 55 03.0	4.7								
			PMZ	$m_b=5.1$	1.2	0.022	LN	$M_s=4.7$	14.0				2.13			
			PP	09 31 36.0	1.7	TIY	16.9	335	eP				15 52 20.0	1.7		
SKS	09 38 35.0	0.5	pP	15 52 26.0	2.3											
S	09 38 50.0	4.6	LN	$M_s=4.9$	13.0	3.46										
LN	$M_s=6.1$	18.0	3.10	LZ	$M_s=5.0$	13.0			5.27							
LE		17.0	1.93	eP	15 52 22.5	-0.4										
eP	09 28 15.5	-0.2	KMI	17.2	282	PMZ			$m_b=4.7$	1.5	0.060					
PMZ	$m_b=5.1$	1.0	0.015			LE	$M_s=4.6$	13.0	1.70							
eSKS	09 38 42.0	2.7	CD2			17.8	301	LZ	$M_s=4.5$	18.0	2.20					
eS	09 38 52.0	-2.1	eP					15 52 29.6	0.4							
eSS	09 44 44.0	5.1	S					15 55 50.0	6.2							
LE	$M_s=5.9$	20.0	2.80					LE	$M_s=4.7$	12.0	1.88					
LZ	$M_s=5.8$	22.0	4.30	LZ	$M_s=4.6$			14.0	2.24							
+P	09 28 34.0	-1.7	BJI	17.9	347			eP	15 52 35.0	4.1						
SKS	09 39 06.0	0.7	PMZ			$m_b=4.4$	0.8	0.015								
S	09 39 33.0	1.6	LN			$M_s=4.4$	12.0	0.93								
LN	$M_s=6.0$	18.0	2.81			LZ	$M_s=4.5$	12.0	1.51							
LE		18.0	1.26			eP	15 52 55.6	0.2								
LZ	$M_s=5.8$	18.0	3.15			PMZ	$m_b=4.5$	1.0	0.022							
CN2	93.8	31	eP	09 28 45.6	-1.2	HHC	19.9	338	LN	$M_s=4.7$	13.0	1.39				
			PMZ	$m_b=5.2$	1.2	0.012			LE		10.0	0.42				
			sP	09 28 53.4	-1.5	LZ			$M_s=4.7$	16.0	2.37					
			eS	09 39 50.0	-4.1	LZH			20.3	315	eP	15 52 58.0	-0.9			
			SS	09 46 15.0	0.0	PMZ					$m_b=4.6$	1.5	0.045			
			LN	$M_s=5.9$	20.0	1.11					pP	15 53 07.0	2.0			
LE		20.0	2.46	sP	15 53 12.0	3.5										
LZ	$M_s=5.8$	20.0	3.32	LE	$M_s=4.4$	12.0	0.68									
				LZ	$M_s=4.5$	16.0	1.50									
<p>DEC 5d 15h 48m $20.9 \pm 0.04s$, $SD1.62 / 113$ $22.65 N \pm 0.70km$, $121.40 E \pm 0.73km$, $h18 \pm 0.19km$ Taiwan (244) $M_s4.6 / 36$, $M_L4.6 / 9$, $m_b4.7 / 33$</p>							BTO	20.3	334	eP	15 52 58.0	-1.2				
QZH	3.4	312	-iPn	15 49 14.4	0.3	LN	$M_s=5.1$			13.0	3.18					
iSn			15 49 52.5	-3.7	LE		13.0			2.69						
SMN			$M_L=4.4$	0.7	1.18	eP	15 53 11.0			1.2						
SME				0.7	1.20	PMZ	$m_b=4.2$			1.0	0.012					
LE			$M_s=4.2$	12.0	5.56	epP	15 53 16.8			0.6						
LZ			$M_s=4.3$	14.0	6.07	eS	15 57 06.0	4.5								
GZH	7.4	275	+iP	15 50 11.0	-0.5	LN	$M_s=4.5$	14.0	0.90							
			S	15 51 35.0	-1.0	LE		14.0	0.42							
			SMN	$M_L=5.1$	1.0	0.88	LZ	$M_s=4.5$	15.0	1.47						
			SME		1.0	0.36	eP	15 53 25.5	0.1							
			LZ	$M_s=4.6$	8.0	3.52	LN	$M_s=4.6$	14.0	0.78						
			P	15 50 26.0	0.9	SSE	8.4	359	LE		14.0	0.89				
PMZ	$m_b=4.5$	1.0	0.020	LZ	$M_s=4.4$	15.0			1.06							
pP	15 50 32.5	1.7	GTA	24.8	317	P			15 53 45.6	1.6						
SMN	$M_L=4.6$	1.2	0.19			PMZ			$m_b=4.6$	1.0	0.023					
SME		1.0	0.11			pP			15 53 49.0	-1.4						
LN	$M_s=4.3$	14.0	1.78			sP			15 53 53.0	-0.6						
LE		14.0	1.83			PcP	15 57 20.0	-0.4								
LZ	$M_s=4.0$	20.0	1.84			ScP	16 00 55.0	-2.0								
WHN	10.1	323	-P	15 50 45.7	-2.4	LE	$M_s=4.6$	15.0	1.19							
			PMZ	$m_b=5.2$	0.5	0.037	LZ	$M_s=4.6$	16.0	1.51						
			pP	15 50 55.5	1.6	LSA	28.0	291	P	15 54 14.0	0.4					
			LN	$M_s=4.9$	6.0	2.53			WMQ	34.9	315	P	15 55 16.2	2.5		
			LE		8.0	2.57			PMZ			$m_b=4.7$	1.2	0.013		
			LZ	$M_s=4.5$	14.0	2.94			LZ			$M_s=4.5$	18.0	0.83		
eP	15 51 06.8	0.7														



DEC 5d 17h 51m 15.5 ± 0.04s, SD1.16 / 144 ,
 2.40 S ± 0.61km, 140.04 E ± 0.85km, h33 ± 0.06km
 Near north coast of West Irian (197)
 M_S4.7 / 11, m_b5.8 / 2, m_b5.2 / 49

QZN	36.5	307	eP	17 58	20.0	-0.4		
			eS	18 03	58.0	-2.3		
SSE	37.8	333	eP	17 58	31.0	-0.3		
			PMZ		m _b = 5.1		1.2	0.041
			LE		M _S = 4.3		10.0	0.20
			LZ		M _S = 4.6		20.0	1.00
WHN	40.9	325	eP	17 58	58.0	1.2		
			PMZ		m _b = 4.8		1.0	0.015
			sP	17 59	14.0	3.9		
			S	18 05	06.0	0.6		
			LE		M _S = 4.7		14.0	0.61
GYA	43.2	314	P	17 59	17.0	1.6		
			PMZ		m _b = 4.5		1.2	0.0090
			pP	17 59	24.8	0.2		
			S	18 05	40.0	1.6		
			sS	18 06	00.0	5.2		
			LN		M _S = 5.0		16.0	0.82
			LE				16.0	0.77
			LZ		M _S = 4.6		20.0	0.83
TIA	44.0	333	eP	17 59	22.1	0.3		
KMI	45.3	309	+P	17 59	33.5	0.4		
			PMZ		m _b = 5.5		1.5	0.10
			pP	17 59	42.5	0.3		
SNY	46.5	343	-P	17 59	42.4	0.5		
			PMZ		m _b = 4.8		1.0	0.015
			pP	17 59	49.6	-1.7		
			S	18 06	29.0	2.6		
			LZ		M _S = 4.7		22.0	0.88
XAN	46.6	324	eP	17 59	42.9	0.1		
			PMZ		m _b = 4.9		1.3	0.020
TIY	47.4	330	eP	17 59	49.0	-0.2		
			LN		M _S = 4.7		10.0	0.33
			LZ		M _S = 4.8		15.0	0.83
BJI	47.6	335	eP	17 59	52.0	1.7		
			PMZ		m _b = 4.9		1.8	0.032
			LZ		M _S = 4.5		24.0	0.64
MDJ	47.7	350	eP	17 59	50.1	-1.6		
			PMZ		m _b = 5.0		1.0	0.019
			pP	17 59	56.6	-4.4		
CN2	47.8	346	P	17 59	51.4	-1.0		
			PMZ		m _b = 5.2		1.0	0.035
			pP	17 59	56.8	-4.9		
			S	18 06	45.0	-0.3		
			LN		M _S = 5.1		20.0	0.93
			LE				20.0	1.12
			LZ		M _S = 4.6		22.0	0.81
CD2	47.9	317	eP	17 59	52.9	0.2		
			PMZ		m _b = 5.2		0.9	0.027
HHC	50.3	332	P	18 00	11.9	0.5		
			PMZ		m _b = 4.5		1.0	0.0070
			LZ		M _S = 4.7		18.0	0.73
BTO	50.8	331	eP	18 00	16.0	0.4		
			sP	18 00	32.0	3.3		
			S	18 07	27.0	0.0		
			LN		M _S = 5.0		16.0	0.52
			LE				16.0	0.53
LZH	51.0	322	eP	18 00	17.5	0.1		
			PMZ		m _b = 5.4		1.0	0.052
			pP	18 00	25.5	-1.0		
			eS	18 07	34.0	2.4		
			sS	18 07	50.0	3.1		
			LZ		M _S = 4.5		26.0	0.58
GTA	55.6	323	P	18 00	51.2	0.0		
			PMZ		m _b = 5.4		0.8	0.040

PMZ m_b = 5.9
 pP 18 01 03.0 2.5
 S 18 08 36.0 3.7
 LZ M_S = 4.6 22.0 0.61
 LSA 56.6 308 eP 18 00 57.4 -0.9
 WMQ 65.6 321 P 18 01 59.0 0.0
 PMZ m_b = 5.4 1.2 0.055
 PMZ m_b = 5.7 6.0 0.54
 sP 18 02 13.8 1.3
 S 18 10 45.0 5.4
 LZ M_S = 4.6 24.0 0.50
 KSH 71.9 313 P 18 02 39.5 1.5

DEC 5d 19h 57m 09.2 ± 0.06s, SD1.25 / 135
 12.54 N ± 0.64km, 144.42 E ± 0.80km, h34 ± 0.32km
 South of the Marianas (210)
 M_S4.8 / 13, m_b5.0 / 36,

SSE	28.3	314	eP	20 03	05.0	3.1		
			LE		M _S = 4.5		13.0	0.60
			LZ		M _S = 4.4		20.0	0.90
WHN	33.1	308	eP	20 03	43.5	-0.6		
			PMZ		m _b = 5.1		1.0	0.031
			PP	20 04	48.0	-6.7		
			LN		M _S = 4.7		16.0	0.97
			LZ		M _S = 4.8		14.0	1.18
QZN	33.9	285	eP	20 03	51.8	0.9		
MDJ	34.4	341	eP	20 03	58.9	3.3		
			LN		M _S = 4.9		16.0	1.10
			LE				14.0	0.62
			LZ		M _S = 4.7		18.0	1.36
TIY	38.0	317	eP	20 04	25.8	-0.3		
			LE		M _S = 4.7		15.0	0.65
			LZ		M _S = 4.6		22.0	1.05
GYA	38.0	297	P	20 04	28.2	1.6		
			PMZ		m _b = 4.8		1.0	0.016
			LN		M _S = 5.1		15.0	1.39
			LE				15.0	0.65
			LZ		M _S = 4.6		18.0	0.89
XAN	38.7	310	P	20 04	32.0	-0.1		
			PMZ		m _b = 4.5		0.7	0.0060
HHC	40.3	320	eP	20 04	45.2	-0.1		
			LN		M _S = 4.8		15.0	0.46
			LE				16.0	0.60
			LZ		M _S = 5.1		18.0	2.42
BTO	41.1	319	eP	20 04	52.0	-0.2		
			ePP	20 06	33.5	3.3		
			eS	20 11	10.0	6.9		
			LN		M _S = 4.8		16.0	0.44
			LE				16.0	0.63
KMI	41.2	294	eP	20 04	54.5	1.4		
			PMZ		m _b = 5.3		1.5	0.070
CD2	41.7	303	eP	20 04	56.8	0.1		
			PMZ		m _b = 5.5		0.8	0.066
LZH	43.3	310	+P	20 05	11.0	0.5		
			PMZ		m _b = 5.5		1.0	0.070
			pP	20 05	20.0	0.1		
			sP	20 05	23.0	-1.0		
			eS	20 11	37.0	1.2		
			LE		M _S = 4.6		17.0	0.50
			LZ		M _S = 4.6		18.0	0.70
GTA	47.5	312	+iP	20 05	44.0	0.1		
			PMZ		m _b = 5.4		0.8	0.038
			pP	20 05	52.4	-1.0		
			S	20 12	40.0	5.3		
			LE		M _S = 4.8		15.0	0.60
			LZ		M _S = 4.8		16.0	0.87
LSA	52.1	298	+iP	20 06	18.2	-0.8		
			PMZ		m _b = 4.9		0.8	0.012

WMQ	57.5	314	P	20 06	58.2	-0.1			
			PMZ		$m_b = 5.1$		1.8	0.041	
			ScS	20 16	44.0	3.6			
			LZ		$M_s = 4.9$		20.0	1.00	
KSH	65.6	308	P	20 07	53.5	1.1			

DEC 5d 20h 21m $55.0 \pm 0.05s$, SD1.09 / 353
36.14 N $\pm 0.38km$, 31.82 E $\pm 0.33km$, h116 $\pm 0.50km$
Cyprus (372)
 $m_b 5.2 / 80$,

KSH	34.7	71	P	20 28	38.0	1.6			
WMQ	42.8	62	-iP	20 29	44.5	1.1			
			PMZ		$m_b = 5.3$		1.0	0.056	
			PMZ				3.0	0.58	
			pP	20 30	04.0	-5.4			
			S	20 36	00.0	2.5			
			LZ				20.0	0.62	
GTA	52.7	65	-iP	20 31	00.4	0.1			
			PMZ		$m_b = 5.5$		1.0	0.065	
			ScS	20 40	39.2	5.2			
LZH	56.9	67	-iP	20 31	30.0	-0.6			
			PMZ		$m_b = 5.5$		1.2	0.070	
			pP	20 31	56.0	-1.7			
			sP	20 32	08.5	-2.5			
			S	20 39	16.0	3.8			
CD2	58.9	73	eP	20 31	45.0	-0.1			
			PMZ		$m_b = 5.4$		0.8	0.039	
BTO	59.6	60	eP	20 31	49.0	-0.3			
HHC	60.5	59	+iP	20 31	56.8	0.8			
			PMZ		$m_b = 5.5$		1.2	0.086	
KMI	60.8	79	-P	20 31	57.0	-0.9			
			PMZ		$m_b = 5.4$		1.5	0.080	
			pP	20 32	22.0	-3.4			
XAN	61.5	67	-iP	20 32	02.0	-0.4			
			PMZ		$m_b = 5.1$		0.5	0.012	
TIY	62.5	62	-P	20 32	08.4	-0.5			
GYA	63.3	76	+iP	20 32	13.6	-0.7			
			PMZ		$m_b = 5.1$		1.2	0.030	
			PcP	20 32	51.2	1.9			
			S	20 40	36.0	1.7			
TIA	66.5	62	eP	20 32	34.4	-0.6			
WHN	67.2	68	eP	20 32	38.6	-0.7			
			PMZ		$m_b = 5.3$		1.5	0.076	
SNY	68.2	54	-P	20 32	46.0	0.5			
			PMZ		$m_b = 4.8$		1.4	0.023	
CN2	68.4	51	eP	20 32	47.0	0.0			
			PMZ		$m_b = 4.5$		1.2	0.010	
SSE	72.0	64	P	20 33	08.0	-0.5			
			PMZ		$m_b = 5.0$		1.4	0.039	

DEC 6d 15h 27m $03.2 \pm 0.03s$, SD3.67 / 6
38.19 N $\pm 0.35km$, 87.43 E $\pm 0.34km$, h18 $\pm 0.49km$
Southern Xinjiang Province (321)
 $M_L 3.3 / 3$,

WMQ	5.6	2	Pn	15 28	30.2	3.6			
			Sn	15 29	32.4	-0.5			
			SMN		$M_L = 3.3$		0.6	0.022	
			SME				0.6	0.032	

DEC 7d 11h 42m $27.7 \pm 0.04s$, SD1.19 / 249
61.00 N $\pm 0.11km$, 150.46 W $\pm 0.47km$, h69 $\pm 0.42km$
Kenai Peninsula (14)
 $M_s 5.5 / 2$, $m_b 5.1 / 68$,

CN2	50.3	291	P	11 51	19.0	-1.0			
			PMZ		$m_b = 5.3$		1.0	0.040	
BJI	57.5	295	eP	11 52	12.0	-0.6			
			PMZ		$m_b = 4.7$		1.0	0.0090	
			pP	11 52	30.0	0.0			

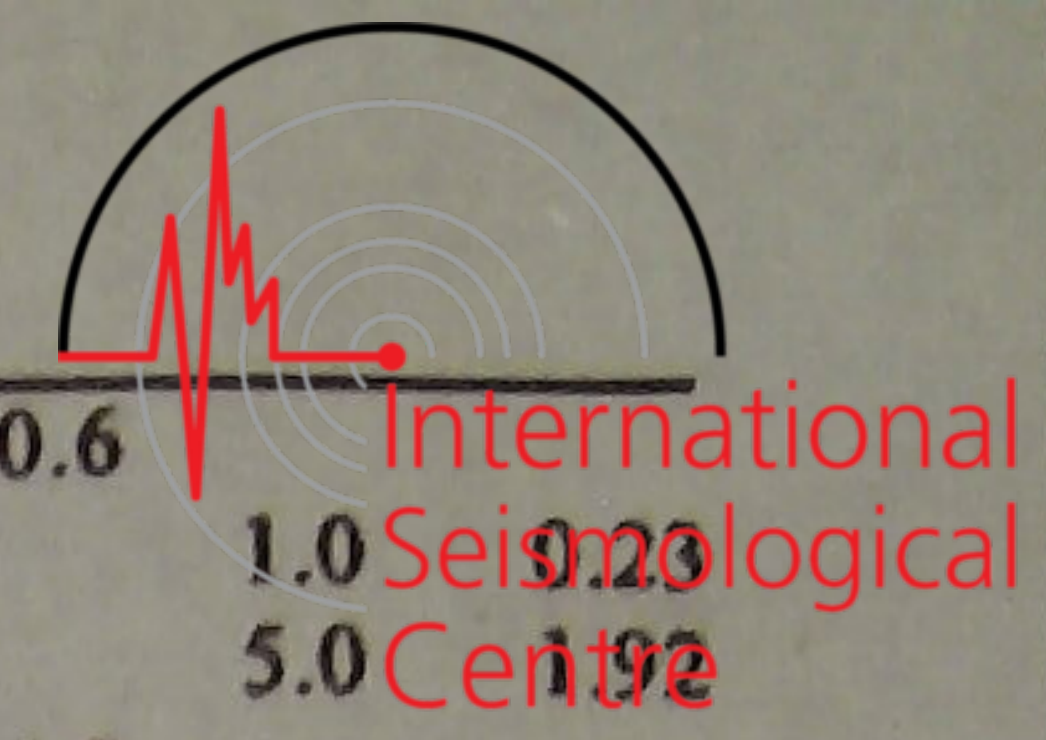
HHC	58.8	299	P	11 52	21.8	-0.3			
			PMZ		$m_b = 5.2$		1.2	0.034	
BTO	59.7	300	eP	11 52	25.2	-2.9			
TIY	61.0	296	eP	11 52	37.0	-0.3			
			pP	11 52	54.6	-0.2			
SSE	62.6	285	eP	11 52	45.5	-1.8			
			pP	11 53	05.0	0.0			
GTA	64.9	306	P	11 53	02.4	-0.2			
			PMZ		$m_b = 5.0$		1.2	0.026	
WMQ	65.4	317	P	11 53	05.0	-1.0			
			PMZ		$m_b = 4.6$		1.2	0.011	
			LN		$M_s = 5.9$		4.0	0.84	
			LE				4.0	0.59	
			LZ		$M_s = 5.1$		16.0	1.11	
WHN	66.2	290	eP	11 53	10.5	-0.5			
			pP	11 53	28.0	-0.8			
LSA	76.8	308	eP	11 54	16.2	1.4			

DEC 7d 11h 48m $40.8 \pm 0.07s$, SD3.97 / 7
37.09 N $\pm 0.54km$, 95.74 E $\pm 0.57km$, h23 $\pm 0.32km$
Qinghai Province (325)
 $M_L 3.7 / 2$,

GTA	4.0	53	ePn	11 49	41.4	0.6			
LZH	6.6	96	ePg	11 50	40.0	2.5			
			SMN				2.0	0.035	

DEC 7d 11h 59m $00.0 \pm 0.04s$, SD1.07 / 359
45.55 N $\pm 1.00km$, 151.34 E $\pm 0.64km$, h48 $\pm 0.08km$
Kurile Islands (221)
 $M_s 5.8 / 67$, $m_b 6.0 / 49$, $m_b 5.6 / 125$

MDJ	15.4	274	eP	12 02	36.0	0.3			
			PMZ		$m_b = 5.9$		1.2	0.68	
			pP	12 02	42.0	-2.7			
			PP	12 02	49.0	1.1			
			LN		$M_s = 5.8$		16.0	13.7	
			LE				16.0	36.2	
CN2	18.5	274	+P	12 03	12.4	-1.9			
			PMZ		$m_b = 5.7$		1.0	0.41	
			PMZ		$m_b = 5.8$		4.0	1.83	
			epP	12 03	24.0	0.1			
			eS	12 06	31.0	-4.0			
			LN		$M_s = 5.9$		15.0	16.4	
			LE				15.0	26.7	
			LZ		$M_s = 6.0$		15.0	46.4	
SNY	20.4	269	+iP	12 03	35.0	-0.4			
			PMZ		$m_b = 5.8$		1.2	0.58	
			PMZ		$m_b = 6.0$		5.0	3.88	
			sP	12 03	50.0	-2.1			
			S	12 07	20.0	4.6			
			PcP	12 07	44.5	-1.5			
			LN		$M_s = 5.9$		14.5	16.7	
			LE				14.5	25.3	
			LZ		$M_s = 6.0$		15.0	44.6	
DL2	22.9	264	P	12 04	02.0	1.3			
			PMZ		$m_b = 6.0$		1.2	0.79	
			PMZ		$m_b = 5.7$		8.0	2.83	
			S	12 08	04.0	2.2			
			LN		$M_s = 5.5$		14.0	6.30	
			LE				13.0	5.48	
			LZ		$M_s = 4.8$		18.0	2.75	
BJI	26.2	270	eP	12 04	33.0	0.2			
			PMZ		$m_b = 6.0$		1.2	0.46	
			PMZ		$m_b = 6.0$		6.0	2.23	
			eS	12 09	00.0	0.7			
			eSS	12 10	03.0	-5.9			
			LN		$M_s = 6.0$		16.0	9.32	
			LE				15.0	21.0	
			LZ		$M_s = 5.9$		16.0	29.2	



TIA	27.3	262	+P	12 04	43.4	0.7			GTA	37.9	279	+P	12 06	15.8	0.6			
			PMZ		$m_b = 5.6$		2.0	0.24				PMZ		$m_b = 6.0$		1.0	0.23	
			PMZ				20.0	2.35				PMZ		$m_B = 6.2$		5.0	1.92	
			sP	12 04	58.0	-1.7						pP	12 06	32.0		4.8		
			LN		$M_s = 5.7$		15.0	6.67				PP	12 07	41.0		-3.8		
			LE				14.0	7.97				S	12 12	05.0		3.0		
			LZ		$M_s = 5.2$		21.0	7.17				ScP	12 12	13.0		1.2		
SSE	27.5	249	+iP	12 04	46.0	1.6						PcS	12 12	19.0		1.6		
			PMZ		$m_b = 4.6$		1.4	0.019				LE		$M_s = 6.1$		13.0	13.9	
			PMZ		$m_B = 6.1$		4.0	1.70				LZ		$M_s = 6.0$		16.0	17.1	
			pP	12 04	56.8	0.7				GZH	38.1	247	+iP	12 06	17.0	1.0		
			S	12 09	16.0	-3.3						PMZ		$m_b = 5.6$		1.0	0.099	
			sS	12 09	40.0	-0.4						PMZ		$m_B = 6.0$		5.0	1.24	
			SS	12 10	40.0	0.5						PP	12 07	48.0		1.8		
			LN		$M_s = 5.8$		16.0	9.50				S	12 12	08.0		4.2		
			LE				18.0	11.5				LN		$M_s = 5.9$		15.0	4.40	
			LZ		$M_s = 5.8$		18.0	24.6				LE				16.0	8.86	
HHC	29.2	275	P	12 04	59.8	0.5						LZ		$M_s = 5.8$		16.0	11.9	
			PMZ		$m_b = 6.0$		1.2	0.35		CD2	39.6	265	+iP	12 06	28.1	-0.4		
			PMZ		$m_B = 6.4$		5.0	3.88				PMZ		$m_b = 6.2$		1.0	0.38	
			sP	12 05	12.0	-4.3						pP	12 06	40.0		-0.5		
			S	12 09	40.0	-5.6						sP	12 06	46.0		0.1		
			sS	12 10	08.0	1.1						PP	12 08	02.0		-1.5		
			LN		$M_s = 6.2$		14.0	8.79				S	12 12	24.0		-2.3		
			LE				15.0	32.1				LN		$M_s = 5.9$		15.0	9.78	
			LZ		$M_s = 6.1$		20.0	48.6				LZ		$M_s = 5.7$		16.0	8.56	
TIY	29.9	269	+iP	12 05	05.0	-0.7				GYA	40.2	257	+iP	12 06	34.0	-0.4		
			PMZ		$m_B = 6.0$		7.0	1.90				PMZ		$m_b = 5.5$		1.2	0.085	
			LE		$M_s = 5.7$		16.0	10.0				PMZ		$m_B = 6.3$		4.0	1.85	
			LZ		$M_s = 5.0$		17.0	2.64				pP	12 06	44.0		-2.4		
BTO	30.3	276	-iP	12 05	10.0	0.2						sP	12 06	48.0		-3.7		
			PMZ		$m_b = 5.5$		1.4	0.12				PP	12 08	10.0		-0.9		
			PMZ		$m_B = 5.9$		6.0	1.30				S	12 12	36.0		-0.7		
			pP	12 05	21.0	-0.6						ScS	12 16	38.0		5.0		
			PP	12 06	09.0	-0.1						LN		$M_s = 5.8$		15.0	4.17	
			S	12 10	07.0	2.8						LE				15.0	5.45	
			LN		$M_s = 6.3$		15.0	20.3				LZ		$M_s = 5.8$		16.0	11.8	
			LE				16.0	32.8		QZN	43.2	246	eP	12 07	00.0	1.2		
WHN	32.4	255	P	12 05	27.0	-1.1						PMZ		$m_B = 5.9$		7.0	1.23	
			PMZ		$m_b = 5.4$		1.0	0.062				pP	12 07	12.0		1.0		
			PMZ		$m_B = 6.0$		5.0	1.16				eS	12 13	17.5		-4.3		
			pP	12 05	39.0	-1.0						sS	12 13	39.0		-3.7		
			S	12 10	40.0	2.9						LN		$M_s = 5.9$		18.0	8.10	
			LN		$M_s = 5.9$		15.0	6.79				LE				15.0	3.40	
			LE				18.0	15.7		KMI	43.8	259	+P	12 07	04.5	1.0		
			LZ		$M_s = 5.7$		16.0	12.5				PMZ		$m_b = 6.1$		1.5	0.47	
QZH	33.4	243	+iP	12 05	36.2	-0.2						PMZ		$m_B = 6.2$		5.0	1.70	
			PMZ		$m_B = 6.5$		4.0	2.78				pP	12 07	15.0		-0.5		
			sP	12 05	49.0	-4.6						sP	12 07	23.0		2.3		
			S	12 10	56.0	4.0						PP	12 08	52.0		5.2		
			LN		$M_s = 5.7$		18.0	9.02				iS	12 13	35.0		4.7		
			LZ		$M_s = 5.3$		18.0	5.44				sS	12 13	51.0		0.4		
XAN	34.2	265	+P	12 05	42.3	-1.0						LN		$M_s = 5.7$		16.0	4.70	
			PMZ		$m_b = 5.4$		1.0	0.055				LE				16.0	2.80	
			PMZ		$m_B = 6.1$		5.0	1.45				LZ		$M_s = 5.6$		20.0	8.10	
			LN		$M_s = 6.0$		15.0	13.8		WMQ	44.2	292	-iP	12 07	07.8	1.0		
			LE				15.0	10.9				PMZ		$m_b = 5.6$		1.0	0.098	
LZH	36.7	272	+iP	12 06	05.0	0.2						PMZ		$m_B = 6.2$		6.0	2.34	
			PMZ		$m_b = 6.4$		1.0	0.64				sP	12 07	24.0		-0.1		
			PMZ		$m_B = 6.3$		5.0	2.42				PcP	12 08	52.0		1.7		
			pP	12 06	15.0	-1.6						S	12 13	40.0		5.0		
			sP	12 06	21.5	-0.4						LN		$M_s = 6.3$		13.0	15.4	
			PP	12 07	26.5	-3.2						LE				13.0	6.92	
			PcP	12 08	31.5	5.5						LZ		$M_s = 6.1$		16.0	18.2	
			S	12 11	36.0	-7.0				LSA	49.1	273	+iP	12 07	45.0	-0.7		
			SS	12 14	08.0	-4.2						PMZ		$m_B = 6.2$		4.0	1.37	
			LE		$M_s = 5.7$		15.0	6.72				PP	12 09	40.0		1.7		
			LZ		$M_s = 5.7$		18.0	10.4				S	12 14	48.0		3.6		

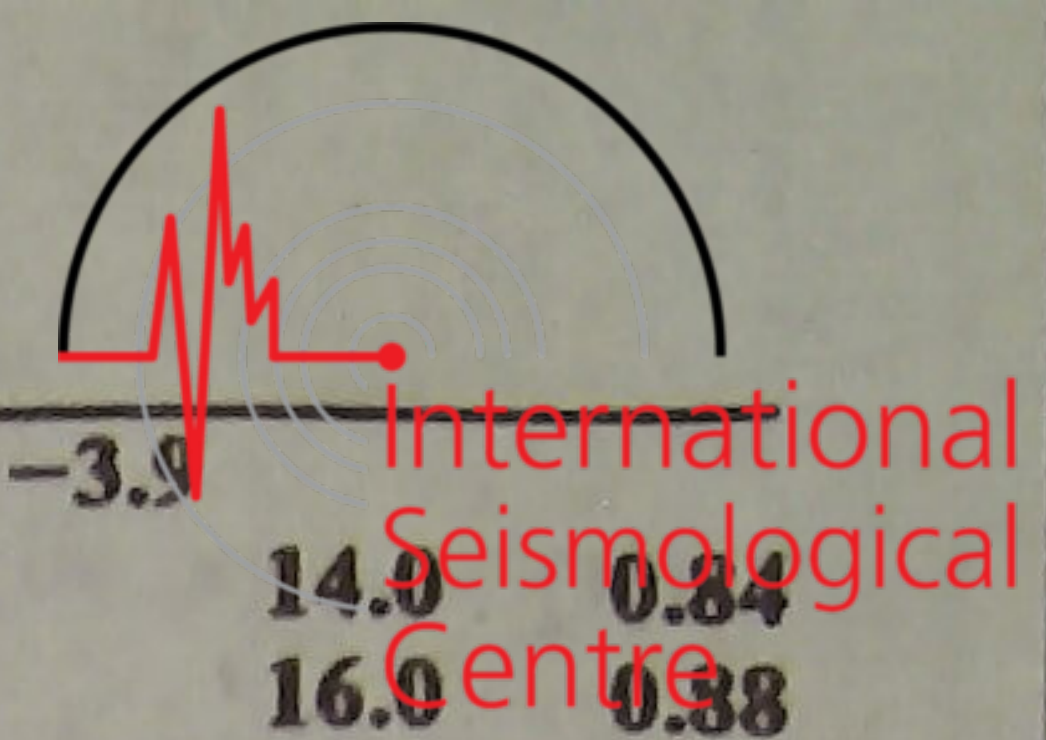
KSH	54.0 292	SME			6.0	0.31	GTA	16.1 17	LE	$M_s=4.8$	11.0	2.23	
		sS	12 15 08.0	1.5					PMZ	$m_b=5.6$	1.0	0.28	
		LN	$M_s=5.5$		14.0	2.30			PMZ	$m_b=5.3$	3.5	0.50	
		LE			15.0	1.54			pP	14 01 34.8	-3.1		
		+iP	12 08 22.0	-0.2					PP	14 01 35.8	-3.0		
		pP	12 08 34.0	-0.5					sP	14 01 49.4	3.5		
		sS	12 16 11.0	-3.0					ScP	14 09 46.5	3.3		
		LN	$M_s=6.3$		14.0	12.2			ScS	14 13 24.6	3.6		
		LE			12.0	5.46							
DEC 7d 13h 47m $29.0 \pm 0.05s$, SD1.25 / 38 1.84 N \pm 0.54km, 126.50 E \pm 0.65km, h67 \pm 0.46km Molucca Passage (266) $M_s 5.3 / 2$, $m_b 4.9 / 13$,							XAN	16.5 50	LE	$M_s=4.7$	9.0	1.68	
KMI	32.6 317	eP	13 53 57.5	0.7					LZ	$M_s=4.3$	10.0	0.90	
		PMZ	$m_b=5.1$	1.5	0.050	P			14 01 27.5	-1.3			
		SS	14 01 06.0	-0.4		PMZ			$m_b=4.7$	0.6	0.024		
		LN	$M_s=5.6$	8.0	2.70	S			14 04 34.0	5.7			
		LE			8.0	3.10			LN	$M_s=4.6$	12.0	1.06	
		LZ	$M_s=5.5$	10.0	4.70	LE				11.0	0.86		
		eP	13 54 23.0	-3.3		+P			14 01 45.3	-0.9			
		TIY	38.0 342	eP	13 54 43.0	0.5		PMZ	$m_b=5.2$	1.2	0.15		
LZH	40.0 331	LN	$M_s=5.6$	8.0	2.70	LN	$M_s=4.8$	6.5	0.79				
		LE			8.0	3.10	LE		10.0	1.52			
		LZ	$M_s=5.5$	10.0	4.70	LZ	$M_s=4.5$	12.0	1.44				
		eP	13 54 23.0	-3.3		-P	14 02 01.5	-1.0					
		TIY	38.0 342	eP	13 54 43.0	0.5		PMZ	$m_b=4.8$	1.0	0.046		
		BJI	39.2 347	eP	13 54 53.5	1.2		PMZ	$m_b=5.0$	4.0	0.30		
		LE	$M_s=4.9$	11.0	0.78	sP	14 02 24.0	-1.8					
		LZ	$M_s=4.5$	18.0	0.59	S	14 05 30.0	-1.3					
LSA	43.5 313	eP	13 55 00.0	0.4		LN	$M_s=4.9$	8.0	1.67				
		PMZ	$m_b=5.0$	1.2	0.029	LE		10.0	0.96				
		pP	13 55 13.5	-2.2		LZ	$M_s=4.6$	10.0	1.27				
		LSA	43.5 313	P	13 55 29.0	0.3		-iP	14 02 14.6	1.1			
		GTA	44.6 330	eP	13 55 37.4	0.4		PMZ	$m_b=5.4$	1.2	0.23		
		PMZ	$m_b=4.4$	1.0	0.0050	PMZ	$m_b=5.4$	6.0	1.17				
		WMQ	54.1 326	P	13 56 50.0	-0.1		pP	14 02 24.4	-3.9			
		PMZ	$m_b=4.7$	1.0	0.0090	LN	$M_s=4.8$	10.0	1.07				
DEC 7d 13h 57m $40.3 \pm 0.03s$, SD1.26 / 220 24.06 N \pm 0.65km, 93.85 E \pm 0.49km, h71 \pm 0.22km Burma-India border region (294) $M_s 4.7 / 37$, $m_b 5.6 / 7$, $m_b 5.1 / 102$							TIY	20.9 45	LE			10.0	0.93
LSA	6.1 337	-iP	13 59 09.6	-1.0					LZ	$M_s=4.4$	16.0	1.26	
		S	14 00 16.5	-2.7					eP	14 02 17.0	-2.4		
		LN	$M_s=4.6$	4.0	2.40	PMZ			$m_b=5.9$	0.8	0.50		
		KMI	8.2 81	+iP	13 59 42.0	3.2				S	14 06 06.0	3.1	
		PMZ	$m_b=6.0$	1.5	0.63	LN			$M_s=4.3$	10.0	0.44		
		PMZ	$m_b=5.8$	4.0	1.20	LZ			$M_s=4.1$	21.0	0.76		
		S	14 01 06.0	-4.0		P			14 02 23.0	-0.9			
		sS	14 01 14.0	0.9		PMZ	$m_b=4.7$	1.2	0.051				
CD2	11.1 50	LN	$M_s=4.8$	8.0	2.70	pP	14 02 37.0	-2.4					
		LE			8.0	3.10	PP	14 02 49.0	-1.3				
		LZ	$M_s=4.7$	10.0	4.70	S	14 06 18.0	6.8					
		P	14 00 19.8	0.9		LN	$M_s=4.5$	13.0	0.58				
		eS	14 02 18.0	-4.5		LE		13.0	0.83				
		LN	$M_s=4.7$	8.0	2.34	KSH	21.6 320	-P	14 02 28.0	1.5			
		LZ	$M_s=4.3$	9.0	1.09	eS	14 06 18.0	1.2					
		GYA	11.8 76	P	14 00 28.0	-0.5		+P	14 02 35.6	1.6			
LZH	14.8 33	PMZ	$m_b=5.3$	1.0	0.049	PMZ	$m_b=4.9$	1.0	0.066				
		PP	14 00 40.0	0.5		S	14 06 24.0	-5.6					
		S	14 02 40.0	0.8		LN	$M_s=4.5$	9.0	0.65				
		LN	$M_s=4.8$	10.0	3.39	LZ	$M_s=4.7$	13.0	1.55				
		LE			10.0	0.85	P	14 02 34.0	-1.3				
		LZ	$M_s=4.7$	12.0	3.87	S	14 06 37.0	4.7					
		-iP	14 01 05.5	-1.5		LN	$M_s=5.1$	10.0	2.56				
		PMZ	$m_b=5.9$	1.0	0.19	LZ	$M_s=4.8$	12.0	2.05				
QZN	15.7 106	PMZ	$m_b=5.6$	6.0	0.57	-P	14 03 00.0	-1.0					
		sS	14 04 08.0	-1.1		PMZ	$m_b=5.4$	1.0	0.099				
		LE	$M_s=4.4$	10.0	1.06	eS	14 07 16.0	-2.7					
		LZ	$M_s=4.2$	32.0	2.25	LN	$M_s=5.0$	8.0	1.30				
		+iP	14 01 22.6	3.9		LE		10.0	0.70				
		PMZ	$m_b=5.5$	0.7	0.15	LZ	$M_s=4.5$	16.0	1.20				
						-P	14 03 47.0	-1.2					
						PMZ	$m_b=4.7$	1.0	0.013				
DEC 7d 13h 57m $40.3 \pm 0.03s$, SD1.26 / 220 24.06 N \pm 0.65km, 93.85 E \pm 0.49km, h71 \pm 0.22km Burma-India border region (294) $M_s 4.7 / 37$, $m_b 5.6 / 7$, $m_b 5.1 / 102$							SSE	25.2 68	eP	14 03 03.0	-3.8		
QZH	22.5 83	P	14 02 34.0	-1.3									
		S	14 06 37.0	4.7									
		LN	$M_s=5.1$	10.0	2.56								
		LZ	$M_s=4.8$	12.0	2.05								
		-P	14 03 00.0	-1.0									
		PMZ	$m_b=5.4$	1.0	0.099								
		eS	14 07 16.0	-2.7									
		LN	$M_s=5.0$	8.0	1.30								
SNY	30.4 47	LE			10.0	0.70							
		LZ	$M_s=4.5$	16.0	1.20								
		-P	14 03 47.0	-1.2									
		PMZ	$m_b=4.7$	1.0	0.013								
		CN2	32.5 45	eP	14 04 03.0	-3.8							



DEC 7d 14h 22m 31.7 ± 0.03s, SD1.06 / 226				DEC 7d 16h 03m 16.4 ± 0.05s, SD1.16 / 133											
25.22 N ± 1.05km, 62.96 E ± 0.47km, h28 ± 0.13km				45.45 N ± 1.20km, 151.56 E ± 0.81km, h25 ± 0.11km											
Near coast of Pakistan (356)				Kurile Islands region (222)											
M _s 5.2 / 16, m _b 5.3 / 2, m _b 5.1 / 83				M _s 4.9 / 10, m _b 5.4 / 2, m _b 4.9 / 50											
KSH	18.0	34	+P	14 26 40.0	-1.3			TIA	47.3	63	-P	14 31 05.8	0.6		
			LN	M _s = 5.5	11.0	5.17					PMZ	m _b = 5.0	1.6	0.036	
			LE		11.0	8.12		SNY	52.2	56	eP	14 31 44.4	2.1		
LSA	25.4	74	P	14 27 58.0	-1.0						PMZ	m _b = 4.7	1.0	0.011	
WMQ	27.4	41	+iP	14 28 18.0	0.7						S	14 39 06.0	3.4		
			PMZ	m _b = 5.6	1.0	0.13					LN	M _s = 5.4	15.0	1.51	
			PMZ		3.0	0.58					LE		15.0	1.34	
			pP	14 28 27.0	1.6						LZ	M _s = 5.4	16.0	2.70	
			PP	14 29 10.0	5.6			CN2	53.5	53	eP	14 31 51.0	-1.2		
			LN	M _s = 5.4	16.0	5.19					PMZ	m _b = 5.0	1.4	0.030	
			LE		16.0	2.67					epP	14 31 59.0	-1.8		
			LZ	M _s = 5.2	16.0	4.88					eS	14 39 24.0	2.2		
GTA	34.0	56	+P	14 29 16.2	0.8						LN	M _s = 5.2	14.0	0.70	
			PMZ	m _b = 5.3	1.0	0.045					LE		14.0	0.72	
			PMZ	m _b = 5.3	8.0	0.43					LZ	M _s = 5.2	14.0	1.46	
			pP	14 29 25.4	1.8			MDJ	56.4	52	eP	14 32 12.5	-1.1		
			sP	14 29 28.5	1.2			DEC 7d 16h 03m 16.4 ± 0.05s, SD1.16 / 133							
			PP	14 30 22.0	-6.7			45.45 N ± 1.20km, 151.56 E ± 0.81km, h25 ± 0.11km							
			S	14 34 40.0	3.2			Kurile Islands region (222)							
			ScS	14 39 39.0	4.4			M _s 4.9 / 10, m _b 5.4 / 2, m _b 4.9 / 50							
			LN	M _s = 5.3	20.0	3.93		MDJ	15.6	275	eP	16 06 56.6	0.5		
			LZ	M _s = 5.0	22.0	3.03					LN	M _s = 4.7	15.5	1.65	
KMI	35.9	81	-P	14 29 32.0	-0.2						LE		16.0	2.50	
			PMZ	m _b = 4.9	1.8	0.040		CN2	18.6	274	eP	16 07 33.0	-1.9		
			pP	14 29 43.0	2.6						PMZ	m _b = 4.1	1.0	0.010	
CD2	36.3	72	eP	14 29 34.0	-1.2			SNY	20.5	270	-P	16 07 55.4	-0.5		
LZH	36.6	63	eP	14 29 38.0	0.4						PMZ	m _b = 4.9	1.4	0.084	
			PMZ	m _b = 4.8	1.5	0.028					sS	16 11 48.0	-2.9		
			PMZ	m _b = 5.3	5.0	0.27					SS	16 12 08.0	-1.2		
			pP	14 29 46.5	0.7						LN	M _s = 4.8	13.0	1.17	
			sP	14 29 51.0	1.5						LE		15.0	1.72	
			sS	14 35 36.0	4.1						LZ	M _s = 4.8	16.0	3.06	
			LN	M _s = 5.2	18.0	2.53		BJI	26.4	271	eP	16 08 54.0	0.7		
			LZ	M _s = 4.9	24.0	2.65					PMZ	m _b = 5.3	1.7	0.11	
GYA	39.2	78	P	14 29 58.8	-0.9						LZ	M _s = 4.7	16.0	1.75	
			pP	14 30 09.6	1.5			TIA	27.5	263	eP	16 09 03.0	-0.1		
			S	14 35 56.0	-1.3			HHC	29.3	275	P	16 09 20.4	0.5		
			LN	M _s = 5.1	15.0	1.39					PMZ	m _b = 5.2	1.6	0.073	
			LE		15.0	0.78					sS	16 14 24.0	0.5		
			LZ	M _s = 4.8	20.0	1.56					LN	M _s = 5.1	14.0	1.25	
XAN	40.6	66	P	14 30 11.5	0.1						LE		15.0	2.16	
BTO	41.9	57	P	14 30 23.5	1.8						LZ	M _s = 5.1	16.0	3.56	
			sP	14 30 31.0	-2.8			TIY	30.0	269	eP	16 09 26.0	-0.2		
			PP	14 32 05.0	3.2						LE	M _s = 4.7	19.0	1.26	
			eS	14 36 39.0	0.7						LZ	M _s = 4.3	30.0	1.10	
			LN	M _s = 5.2	16.0	1.13		BTO	30.5	276	eP	16 09 31.0	0.6		
			LE		16.0	1.69		XAN	34.3	266	P	16 10 03.4	-0.4		
HHC	43.1	56	-P	14 30 33.4	1.8			LZH	36.9	272	+iP	16 10 26.0	0.6		
			PMZ	m _b = 5.3	1.6	0.078					PMZ	m _b = 5.3	1.4	0.069	
			pP	14 30 39.0	-1.0			GTA	38.1	280	+iP	16 10 36.6	0.7		
			PP	14 32 16.0	2.2						PMZ	m _b = 5.0	1.0	0.026	
			S	14 36 55.5	1.0						PMZ	m _b = 5.3	4.0	0.20	
			LN	M _s = 5.3	20.0	2.63					pP	16 10 42.2	-1.4		
			LZ	M _s = 4.9	26.0	1.84					sP	16 10 49.4	2.4		
WHN	45.4	71	eP	14 30 50.0	-0.3						sS	16 16 38.0	-2.3		
			pP	14 30 59.0	0.2						LE	M _s = 4.9	13.0	0.87	
			LN	M _s = 5.1	12.0	0.78					LZ	M _s = 4.9	14.0	1.46	
			LE		10.0	0.58		CD2	39.7	265	P	16 10 49.0	0.0		
			LZ	M _s = 4.9	18.0	1.21					PMZ	m _b = 5.3	0.8	0.038	
BJI	46.5	58	eP	14 31 00.0	0.9			GYA	40.4	258	P	16 10 55.8	1.1		
			PMZ	m _b = 5.2	1.7	0.055					pP	16 11 05.0	2.6		
			eS	14 37 48.0	2.7						LZ	M _s = 4.6	20.0	0.94	
			eSS	14 41 08.0	5.0			KMI	43.9	259	-P	16 11 24.0	0.2		
											PMZ	m _b = 5.3	1.5	0.070	
											PMZ	m _b = 5.5	4.0	0.30	



Station	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time				
WMQ	44.4	292	sP	16 11 40.0	5.1																			
			P	16 11 28.0	0.5																			
			PMZ		$m_b=4.8$	0.6	0.010																	
			pP	16 11 38.0	2.7																			
			LN		$M_s=5.0$	14.0	0.67																	
			LE			12.0	0.56																	
LSA	49.3	273	LZ		$M_s=4.9$	16.0	1.18																	
			P	16 12 06.4	0.2																			
DEC 7d 16h 34m $54.2 \pm 0.04s$, SD0.94 / 326 $45.50 N \pm 0.91km$, $151.50 E \pm 0.61km$, $h44 \pm 0.10km$ Kurile Islands (221) $M_s 5.2 / 40$, $m_b 5.7 / 11$, $m_b 5.5 / 121$																								
MDJ	15.5	275	eP	16 38 31.2	-0.4																			
			PMZ		$m_b=5.8$	1.2	0.57																	
			sP	16 38 47.5	1.6																			
			LN		$M_s=5.1$	15.0	3.71																	
			LE			15.0	5.80																	
CN2	18.6	274	-iP	16 39 09.4	-0.8																			
			PMZ		$m_b=5.3$	1.0	0.17																	
			PMZ			3.0	0.32																	
			epP	16 39 17.0	-2.2																			
			esP	16 39 21.0	-3.7																			
			eS	16 42 27.0	-5.4																			
			LN		$M_s=5.2$	15.0	4.50																	
			LE			15.0	4.55																	
			LZ		$M_s=5.3$	15.0	9.84																	
			+iP	16 39 30.0	-1.1																			
SNY	20.5	270	PMZ		$m_b=5.7$	1.2	0.42																	
			PMZ		$m_b=5.7$	4.0	1.60																	
			LN		$M_s=5.2$	13.5	3.26																	
			LE			15.0	4.85																	
			LZ		$M_s=5.2$	16.0	7.82																	
			P	16 39 56.0	-0.4																			
			PMZ		$m_b=5.6$	1.0	0.25																	
DL2	23.0	264	PMZ		$m_b=5.7$	4.0	1.48																	
			S	16 44 00.0	1.3																			
			LN		$M_s=4.8$	13.0	1.54																	
			LE			14.0	0.91																	
			LZ		$M_s=4.4$	16.0	0.99																	
			eP	16 40 28.0	-0.4																			
			PMZ		$m_b=5.7$	1.0	0.18																	
			PMZ		$m_b=5.7$	5.0	0.87																	
BJI	26.4	271	LE		$M_s=5.2$	15.0	3.59																	
			LZ		$M_s=5.1$	18.0	4.42																	
			eP	16 40 37.6	-0.7																			
			PMZ		$m_b=4.9$	1.8	0.051																	
			S	16 45 16.0	3.1																			
TIA	27.4	262	LN		$M_s=4.9$	16.0	1.36																	
			LE			14.0	1.08																	
			LZ		$M_s=4.6$	20.0	1.41																	
			+iP	16 40 40.0	0.2																			
			PMZ		$m_b=5.3$	1.2	0.087																	
			PMZ		$m_b=5.6$	4.0	0.50																	
SSE	27.6	249	pP	16 40 51.5	0.8																			
			sS	16 45 37.0	1.6																			
			LN		$M_s=5.1$	16.0	2.00																	
			LE			18.0	2.90																	
			LZ		$M_s=5.1$	19.0	4.50																	
			+iP	16 40 55.6	0.6																			
			PMZ		$m_b=5.8$	1.2	0.22																	
			PMZ			3.0	0.73																	
			S	16 45 42.0	-0.5																			
			sS	16 46 00.0	-2.3																			
HHC	29.3	275	LN		$M_s=5.5$	10.0	1.90																	
			LE			14.0	5.18																	
			LZ		$M_s=5.5$	16.0	9.49																	
			+iP	16 40 55.6	0.6																			
			PMZ		$m_b=5.8$	1.2	0.22																	
			PMZ			3.0	0.73																	
TIY	30.0	269	S	16 45 42.0	-0.5																			
			sS	16 46 00.0	-2.3																			
			LN		$M_s=5.5$	10.0	1.90																	
			LE			14.0	5.18																	
			LZ		$M_s=5.5$	16.0	9.49																	
			+iP	16 41 01.5	0.2																			
BTO	30.5	276	PMZ		$m_b=5.4$	1.6	0.10																	
			LE		$M_s=4.9$	15.0	1.63																	
			LZ		$M_s=4.8$	26.0	2.00																	
			P	16 41 05.0	-0.5																			
			PMZ		$m_b=5.4$	1.6	0.10																	
			LN		$M_s=5.5$	14.0	3.42																	
WHN	32.5	256	LE			15.0	5.04																	
			+P	16 41 22.5	-1.1																			
			PMZ		$m_b=5.3$	1.0	0.046																	
			pP	16 41 34.5	-0.2																			
			LN		$M_s=5.2$	18.0	2.03																	
			LE			20.0	3.28																	
QZH	33.5	243	LZ		$M_s=4.9$	16.0	1.79																	
			+P	16 41 32.0	0.3	</																		



		S	16 49 31.0	5.6		
		sS	16 49 50.0	4.3		
		LZ	$M_s=5.0$	20.0	1.70	
WMQ	44.3 292	P	16 43 02.8	0.4		
		PMZ	$m_b=5.6$	1.0	0.098	
		LN	$M_s=5.5$	14.0	1.75	
		LE		16.0	2.94	
		LZ	$M_s=5.4$	16.0	3.33	
LSA	49.2 273	+iP	16 43 41.8	0.6		
		PMZ	$m_b=6.2$	0.8	0.27	
		PMZ		3.0	0.47	
KSH	54.1 292	+P	16 44 19.0	1.2		
		LN	$M_s=6.1$	12.0	1.14	
		LE		14.0	8.05	

DEC 7d 19h 21m $23.6 \pm 0.06s$, SD1.42 / 56
 37.44 S $\pm 1.21km$, 51.27 E $\pm 0.87km$, h10 $\pm 0.12km$
 Atlantic-Indian Ridge (428)
 $m_b 5.0 / 17$,

LSA	76.5 35	eP	19 33 17.0	0.0		
KMI	78.8 46	+P	19 33 30.0	0.3		
		eS	19 43 32.0	4.8		
		LZ	$M_s=5.2$	20.0	1.20	
GYA	82.1 48	P	19 33 48.6	1.6		
CD2	83.8 43	eP	19 33 54.4	-1.4		
		sS	19 44 22.0	-5.3		
WMQ	87.4 25	P	19 34 14.0	0.8		
		PMZ	$m_b=5.0$	1.4	0.018	
		sS	19 45 00.0	-1.5		
		LZ	$M_s=5.3$	16.0	0.96	
LZH	87.9 40	eP	19 34 15.0	-0.8		
		PMZ	$m_b=5.0$	1.5	0.017	
		sP	19 34 23.5	-0.1		
GTA	88.5 36	eP	19 34 20.0	1.1		
		PMZ	$m_b=5.0$	1.4	0.015	
		pP	19 34 26.0	1.8		
HHC	95.5 41	eP	19 34 52.6	1.7		

DEC 7d 23h 56m $12.9 \pm 0.05s$, SD2.36 / 10
 43.25 N $\pm 0.52km$, 82.75 E $\pm 0.43km$, h31 $\pm 0.17km$
 Northern Xinjiang Province (332)
 $M_L 3.9 / 8$,

KSH	6.3 236	ePg	23 58 07.5	2.1		
		Sg	23 59 30.0	-2.0		
		SMN	$M_L=4.1$	0.7	0.060	
		SME		0.9	0.19	

DEC 8d 06h 34m $09.0 \pm 0.05s$, SD0.96 / 206
 45.43 N $\pm 1.12km$, 151.54 E $\pm 0.68km$, h31 $\pm 0.07km$
 Kurile Islands region (222)
 $M_s 4.6 / 14$, $m_b 5.5 / 1$, $m_b 5.2 / 93$

MDJ	15.5 275	eP	06 37 46.8	-0.9		
		PMZ	$m_b=4.9$	1.0	0.054	
		pP	06 37 51.2	-3.5		
		LN	$M_s=4.6$	19.0	1.80	
		LE		13.0	1.15	
CN2	18.6 274	-P	06 38 24.6	-1.9		
		PMZ	$m_b=5.1$	1.0	0.086	
		epP	06 38 30.5	-3.2		
		LN	$M_s=4.6$	15.0	0.82	
		LE		15.0	1.19	
		LZ	$M_s=4.6$	16.0	2.05	
SNY	20.5 270	-iP	06 38 47.4	-0.1		
		PMZ	$m_b=5.2$	1.0	0.11	
		LE	$M_s=4.5$	13.0	0.97	
		LZ	$M_s=4.5$	16.0	1.41	
BJI	26.4 271	eP	06 39 45.0	0.1		
		PMZ	$m_b=5.3$	1.0	0.067	

		PP	06 40 23.5	-3.9		
		LE	$M_s=4.6$	14.0	0.84	
		LZ	$M_s=4.4$	16.0	0.88	
TIA	27.4 263	eP	06 39 54.6	0.0		
		PMZ	$m_b=4.7$	0.8	0.014	
		LZ	$M_s=4.2$	20.0	0.59	
SSE	27.6 249	+P	06 39 55.5	-0.5		
		PMZ	$m_b=4.9$	1.1	0.029	
		pP	06 40 04.5	-0.1		
		sS	06 44 48.0	-0.6		
		LZ	$M_s=4.5$	20.0	1.10	
HHC	29.3 275	+P	06 40 11.4	-0.1		
		PMZ	$m_b=5.5$	1.2	0.11	
		LN	$M_s=4.9$	14.0	0.65	
		LE		14.0	1.22	
		LZ	$M_s=5.0$	15.0	2.48	
TIY	30.0 269	+P	06 40 18.2	0.5		
		PMZ	$m_b=5.1$	1.0	0.039	
		LN	$M_s=4.4$	14.0	0.43	
		LZ	$M_s=4.4$	22.0	1.05	
BTO	30.5 276	eP	06 40 22.0	0.0		
		pP	06 40 29.5	-1.1		
		eS	06 45 16.5	-3.9		
		LN	$M_s=4.9$	13.0	0.79	
		LE		13.0	1.03	
WHN	32.5 256	eP	06 40 39.0	-0.9		
		PMZ	$m_b=5.3$	0.5	0.025	
		LZ	$M_s=4.6$	16.0	0.89	
XAN	34.3 266	P	06 40 54.7	-0.6		
LZH	36.8 272	+iP	06 41 18.0	1.1		
		PMZ	$m_b=5.9$	1.0	0.20	
		LE	$M_s=4.4$	12.0	0.29	
		LZ	$M_s=4.3$	19.0	0.49	
GTA	38.1 280	+iP	06 41 28.2	0.7		
		PMZ	$m_b=5.5$	1.0	0.091	
		PMZ		3.2	0.30	
		LE	$M_s=4.7$	13.0	0.61	
		LZ	$M_s=4.7$	16.0	0.87	
CD2	39.7 265	+iP	06 41 40.6	0.1		
		PMZ	$m_b=5.6$	0.8	0.072	
		S	06 47 40.0	-1.0		
GYA	40.4 258	-iP	06 41 46.6	0.4		
		PMZ	$m_b=4.8$	1.0	0.016	
		LZ	$M_s=4.5$	20.0	0.75	
KMI	43.9 260	+P	06 42 15.0	-0.3		
		PMZ	$m_b=5.3$	1.8	0.090	
		pP	06 42 23.5	-0.6		
		sP	06 42 27.5	-0.4		
WMQ	44.4 292	P	06 42 20.0	0.9		
		PMZ	$m_b=5.2$	1.0	0.035	
		pP	06 42 28.5	0.5		
		LZ	$M_s=4.7$	16.0	0.81	
LSA	49.3 273	eP	06 42 57.0	-0.8		

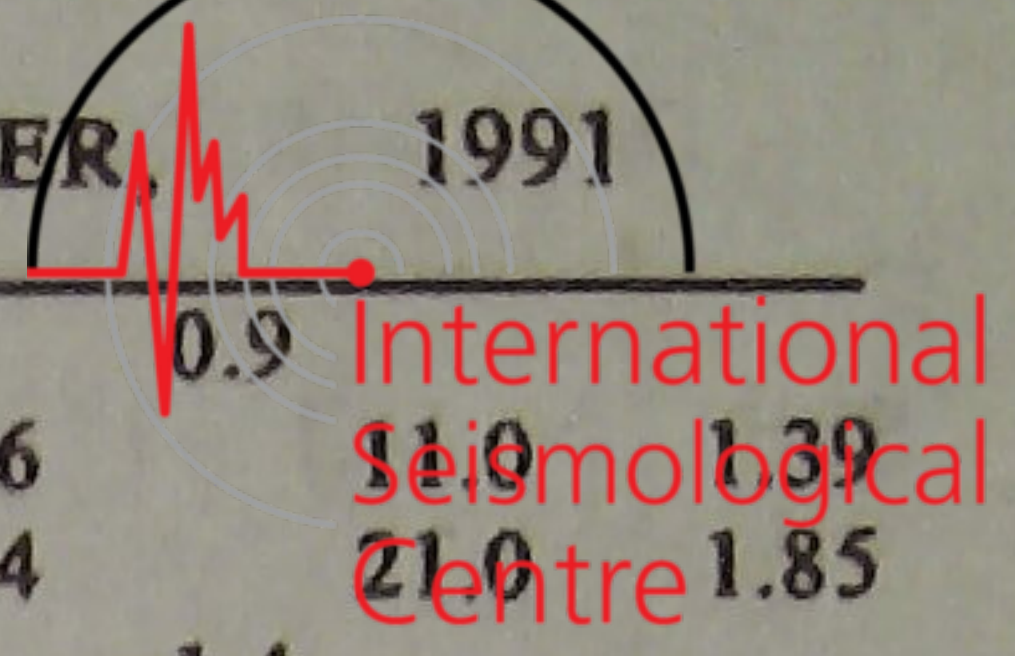
DEC 8d 08h 09m $58.3 \pm 0.02s$, SD1.32 / 5
 23.63 N $\pm 0.15km$, 114.73 E $\pm 0.11km$, h10 $\pm 0.08km$
 Near south-eastern coast of China (242)
 $M_L 3.0 / 4$,

GZH	1.4 247	+Pg	08 10 22.4	-0.5		
		iSg	08 10 39.8	-2.1		
		SMN	$M_L=3.5$	0.4	0.99	
		SME		0.4	0.48	

DEC 8d 11h 18m $00.7 \pm 0.09s$, SD4.40 / 6
 47.05 N $\pm 0.16km$, 85.27 E $\pm 0.53km$, h34 $\pm 1.00km$
 Kazakhstan-Xinjiang border region (331)
 $M_L 3.8 / 5$,

WMQ	3.7 151	Pn	11 19 00.0	4.5		
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Station	Time	Phase	Time	Phase	Time	Phase	Time	Phase	Time	Phase	Time	Phase	Time	Phase	Time	Phase	Time	Phase
	Pg	11 19 11.0	5.4		TIY	30.0 269	+P	14 16 01.0	-0.2									
	Sn	11 19 44.0	5.1				PMZ	$m_b = 4.3$										
	SMN	$M_L = 3.8$	0.8	0.23			pP	14 16 11.0	-0.3									
	SME		0.8	0.32			S	14 21 00.5	6.2									
							sS	14 21 18.0	5.7									
DEC 8d 14h 09m 53.7 ± 0.03s, SD1.09 / 292							LN	$M_b = 5.1$	15.0	1.61								
45.54 N ± 0.95km, 151.48 E ± 0.60km, h39 ± 0.11km							LE		15.0	1.85								
Kurile Islands (221)							LZ	$M_b = 5.0$	18.0	2.92								
$M_s 5.3 / 43, m_b 5.3 / 10, m_b 5.4 / 114$							BTO	30.4 276	eP	14 16 04.5	-0.9							
MDJ	15.5 274	eP	14 13 31.0	-0.2			PMZ	$m_b = 5.0$	1.4	0.035								
		PMZ	$m_b = 5.5$	1.1	0.23		sP	14 16 18.0	-1.9									
		pP	14 13 37.0	-2.2			ePP	14 17 08.0	3.1									
		LN	$M_s = 5.2$	14.0	2.75		eS	14 21 06.0	3.4									
		LE		14.0	6.69		LN	$M_b = 5.5$	14.0	3.79								
		LZ	$M_s = 5.4$	16.0	18.3		LE		14.0	4.29								
CN2	18.6 274	-P	14 14 07.8	-2.1		WHN	32.5 256	P	14 16 22.5	-1.1								
		PMZ	$m_b = 4.9$	1.0	0.067		eS	14 21 36.0	0.9									
		PMZ	$m_b = 5.2$	6.0	0.73		LN	$M_b = 5.4$	20.0	4.63								
		epP	14 14 14.0	-4.2			LE		20.0	3.28								
		esP	14 14 20.0	-3.3			LZ	$M_b = 5.0$	18.0	3.01								
		eS	14 17 26.0	-6.4		XAN	34.3 266	-iP	14 16 38.5	-0.4								
		LN	$M_s = 5.3$	15.0	5.09		PMZ	$m_b = 5.0$	1.2	0.028								
		LE		15.0	6.43		S	14 22 04.0	2.5									
		LZ	$M_s = 5.3$	16.0	11.3		LN	$M_b = 5.3$	14.0	1.84								
SNY	20.5 270	+iP	14 14 29.7	-1.3		LZH	36.8 272	+iP	14 17 00.5	0.2								
		PMZ	$m_b = 5.4$	1.4	0.27		PMZ	$m_b = 5.8$	1.2	0.20								
		PMZ	$m_b = 5.4$	4.5	0.83		PMZ	$m_b = 5.5$	4.0	0.35								
		pP	14 14 38.0	-2.5			pP	14 17 12.5	2.1									
		S	14 18 15.0	2.3			sP	14 17 18.0	3.1									
		sS	14 18 26.0	-1.4			PcP	14 19 18.0	-3.4									
		LN	$M_s = 5.3$	14.0	4.00		S	14 22 43.0	2.7									
		LE		14.0	5.16		sS	14 23 02.0	3.5									
		LZ	$M_s = 5.3$	16.0	8.58		LE	$M_b = 5.1$	14.0	1.49								
DL2	23.0 264	eP	14 14 57.0	0.7			LZ	$M_b = 5.0$	20.0	2.47								
		PMZ	$m_b = 5.4$	1.2	0.20		GTA	38.0 280	+iP	14 17 11.2	0.4							
		S	14 19 06.0	6.9			PMZ	$m_b = 5.4$	1.0	0.064								
		LN	$M_s = 4.8$	13.0	1.16		PMZ	$m_b = 5.7$	5.0	0.58								
		LE		15.0	1.07		pP	14 17 18.0	-3.0									
		LZ	$M_s = 4.4$	18.0	1.04		S	14 23 00.0	0.8									
BJI	26.3 271	eP	14 15 28.0	-0.3			ScS	14 27 20.6	4.3									
		PMZ	$m_b = 5.6$	1.5	0.24		LE	$M_s = 5.9$	13.0	8.22								
		PMZ	$m_b = 5.0$	10.0	0.38		LZ	$M_s = 5.4$	14.0	4.57								
		ePP	14 16 08.0	-2.9			GZH	38.2 247	eP	14 17 14.5	3.0							
		eS	14 19 52.0	-4.6			LN	$M_b = 5.4$	18.0	3.38								
		eScS	14 26 20.0	2.6			LE		16.0	2.55								
		LN	$M_s = 5.3$	15.0	2.45		LZ	$M_b = 5.1$	18.0	2.54								
		LE		14.0	3.67		CD2	39.6 265	+iP	14 17 24.0	0.0							
		LZ	$M_s = 5.1$	18.0	4.72		PMZ	$m_b = 5.6$	0.9	0.092								
TIA	27.4 262	eP	14 15 38.0	-0.3			S	14 23 24.0	0.5									
		PMZ	$m_b = 5.4$	1.8	0.15		sS	14 23 37.0	-4.8									
		S	14 20 17.5	4.1			LE	$M_b = 5.1$	13.0	1.45								
		LN	$M_s = 5.0$	15.0	1.46		LZ	$M_b = 5.0$	16.0	1.78								
		LE		15.0	2.08		GYA	40.3 257	P	14 17 30.0	0.1							
		LZ	$M_s = 4.6$	20.0	1.53		PMZ	$m_b = 5.0$	1.2	0.028								
SSE	27.6 249	P	14 15 41.3	1.4			S	14 23 32.0	-1.9									
		PMZ	$m_b = 5.0$	1.6	0.057		sS	14 23 51.0	-1.2									
		pP	14 15 52.0	2.1			LN	$M_b = 5.5$	20.0	3.77								
		S	14 20 20.0	3.6			LE		20.0	2.89								
		LN	$M_s = 5.1$	17.0	2.40		LZ	$M_b = 5.1$	20.0	2.50								
		LE		16.0	2.40		KMI	43.9 259	+P	14 17 58.0	-1.0							
		LZ	$M_s = 5.1$	18.0	4.50		PMZ	$m_b = 5.6$	1.5	0.15								
HHC	29.3 275	+P	14 15 54.0	-0.9			pP	14 18 10.0	0.8									
		PMZ	$m_b = 5.5$	1.3	0.13		sP	14 18 14.0	0.5									
		pP	14 16 06.6	1.8			S	14 24 26.0	0.0									
		S	14 20 45.0	2.2			sS	14 24 40.0	-4.4									
		LN	$M_b = 5.5$	14.0	2.98		LE	$M_b = 4.9$	14.0	0.70								
		LE		14.0	6.08		LZ	$M_b = 5.1$	18.0	2.10								
		LZ	$M_b = 5.6$	15.0	11.2													



Station	Mag	Time	Type	Mag	Time	Type	Mag	Time	Type	Mag	Time	Type	Mag	Time	Type
			PMZ	$m_b=4.8$	1.0	0.020				ScS	01 18 41.8	0.9			
			LN	$M_s=5.1$	14.0	0.81				LN	$M_s=4.6$	11.0	1.39		
			LE		14.0	2.07				LZ	$M_s=4.4$	21.0	1.85		
			LZ	$M_s=5.1$	17.0	3.58			CD2	19.2	80	P	01 07 09.0	-1.4	
TIY	30.0	269	eP		23 40 41.0	-0.1				pP	01 07 18.0	0.1			
BTO	30.4	276	eP		23 40 45.0	-0.2				PP	01 07 28.0	0.9			
			epP		23 40 51.0	-2.4				S	01 10 46.0	7.0			
			LN	$M_s=5.4$	13.0	1.16				LE	$M_s=5.1$	12.0	3.84		
			LE		14.0	4.29			KMI	19.3	98	+P	01 07 11.0	-0.7	
WHN	32.5	256	eP		23 41 02.5	-0.9				PMZ	$m_b=5.5$	1.0	0.26		
LZH	36.8	272	+iP		23 41 41.0	0.8				PMZ	$m_b=5.3$	4.0	0.60		
			PMZ	$m_b=5.3$	1.2	0.069				pP	01 07 16.5	-2.6			
			LN	$M_s=4.6$	13.0	0.53				sP	01 07 20.0	-3.6			
			LZ	$M_s=4.6$	16.0	0.88				LN	$M_s=4.5$	10.0	0.60		
GTA	38.1	280	+iP		23 41 51.0	0.4				LE		10.0	0.50		
			PMZ	$m_b=5.0$	1.0	0.028			LZH	19.8	65	+iP	01 07 16.5	-0.5	
			PMZ	$m_b=5.5$	5.0	0.38				PMZ	$m_b=5.3$	1.0	0.14		
			pP		23 41 54.8	-4.1				PMZ	$m_b=5.1$	4.0	0.35		
			S		23 47 42.0	1.7				pP	01 07 21.0	-3.9			
			LE	$M_s=4.9$	12.5	0.89				sP	01 07 24.0	-5.3			
			LZ	$M_s=4.9$	19.0	1.93				S	01 10 56.0	4.0			
CD2	39.7	265	eP		23 42 04.0	0.1				sS	01 11 06.0	1.6			
			PMZ	$m_b=5.4$	0.8	0.049				LE	$M_s=4.9$	11.0	2.10		
			eS		23 48 06.5	0.9				LZ	$M_s=4.7$	14.0	2.47		
			LZ	$M_s=4.7$	15.0	0.88			GYA	22.3	92	+iP	01 07 43.4	0.2	
GYA	40.4	257	P		23 42 09.6	-0.1				PMZ	$m_b=5.1$	1.0	0.093		
			LN	$M_s=5.2$	18.0	2.30				PcP	01 11 39.6	1.0			
			LE		18.0	0.62				S	01 11 47.2	6.1			
			LZ	$M_s=4.7$	20.0	1.00				ScP	01 15 17.0	4.9			
KMI	43.9	259	+P		23 42 38.5	-0.4				LN	$M_s=4.6$	12.0	0.88		
			PMZ	$m_b=5.2$	1.9	0.080				LE		12.0	0.42		
			pP		23 42 51.0	3.9				LZ	$M_s=4.6$	14.0	1.45		
WMQ	44.3	292	P		23 42 43.0	0.9			XAN	23.6	72	P	01 07 56.0	0.3	
			PMZ	$m_b=5.0$	1.2	0.029				PMZ	$m_b=4.7$	0.7	0.022		
			pP		23 42 55.0	4.5				S	01 12 10.0	6.1			
			LN	$M_s=5.0$	12.0	0.73				LN	$M_s=5.0$	12.0	1.96		
			LE		12.0	0.42				LE		10.0	0.73		
			LZ	$M_s=5.0$	16.0	1.48				P	01 08 17.0	2.0			
LSA	49.2	273	-iP		23 43 21.7	0.6			BTO	25.6	57	PMZ	$m_b=5.5$	1.2	0.13
			PMZ	$m_b=4.6$	0.9	0.0070				pP	01 08 25.0	1.3			
KSH	54.1	292	P		23 43 58.0	0.4				eS	01 12 39.0	0.1			
<p>DEC 9d 01h 02m $46.5 \pm 0.03s$, $SD1.07 / 359$ $29.57 N \pm 0.91km$, $81.61 E \pm 0.47km$, $h32 \pm 0.13km$ Nepal (310) $M_s4.9 / 35$, $M_L5.2 / 1$, $m_b5.3 / 4$,</p>															
LSA	8.3	87	P		01 04 49.0	0.9			HHC	26.8	57	eP	01 08 27.6	1.4	
			S		01 06 18.0	-3.1				PMZ	$m_b=5.1$	1.2	0.051		
			LN	$M_s=4.8$	7.0	3.51				LN	$M_s=4.8$	10.5	0.63		
KSH	11.0	336	P		01 05 23.5	-1.1				LE		10.0	0.72		
			S		01 07 23.0	-3.8				LZ	$M_s=4.5$	24.0	1.62		
			LN	$M_s=5.3$	9.0	6.71			TIY	26.8	64	eP	01 08 25.8	-0.5	
			LE		9.0	6.37				S	01 13 02.0	4.1			
WMQ	15.0	17	-iP		01 06 18.4	0.0				LE	$M_s=5.0$	11.0	1.57		
			PMZ	$m_b=4.7$	0.8	0.029				LZ	$M_s=5.0$	13.0	2.63		
			PMZ		3.0	0.68			WHN	28.3	80	P	01 08 39.5	-0.1	
			LN	$M_s=4.9$	12.0	2.78				PMZ	$m_b=5.2$	1.0	0.046		
			LE		10.0	1.20				pP	01 08 49.2	0.7			
			LZ	$M_s=4.7$	12.0	2.67				LN	$M_s=5.2$	14.0	3.47		
GTA	17.9	52	eP		01 06 53.9	-1.1				LE		14.0	0.92		
			PMZ	$m_b=5.3$	1.0	0.14			BJI	30.1	60	eP	01 08 56.5	1.2	
			PMZ	$m_b=5.3$	3.5	0.50				PMZ	$m_b=5.1$	1.0	0.037		
			pP		01 06 59.8	-2.5				PcP	01 11 57.0	0.7			
			sP		01 07 03.0	-3.9				eS	01 13 56.0	5.3			
			PcP		01 11 31.0	0.6				LN	$M_s=4.8$	12.0	0.93		
			ScP		01 15 05.6	3.8				LZ	$M_s=4.5$	22.0	1.24		
			PcS		01 15 06.6	1.0			TIA	30.4	68	eP	01 08 58.7	0.2	
			sS		01 10 19.0	-3.7				LN	$M_s=4.8$	10.0	0.78		
										LE		10.0	0.47		



SSE	34.1	77	LZ		$M_s=4.5$	20.0	1.06
			+P	01 09	31.5	1.2	
			PMZ		$m_b=5.1$	1.0	0.027
			pP	01 09	38.5	-1.0	
			LN		$M_s=5.1$	18.0	2.10
			LE			20.0	1.40
DL2	34.1	63	P	01 09	32.0	1.1	
			LE		$M_s=5.0$	12.0	1.35
			LZ		$M_s=4.7$	20.0	1.53
SNY	35.9	59	+P	01 09	46.2	0.5	
			PMZ		$m_b=5.5$	1.2	0.094
CN2	37.5	56	-iP	01 10	00.2	1.0	
			PMZ		$m_b=5.5$	0.8	0.060
			PMZ			3.0	0.30
			epP	01 10	13.0	4.6	
			PcP	01 12	16.5	-0.7	
			eS	01 15	46.0	0.3	
			LN		$M_s=5.1$	10.0	0.44
			LE			10.0	1.12
			LZ		$M_s=5.2$	16.0	3.35
MDJ	40.5	55	+P	01 10	25.3	0.7	
			PMZ		$m_b=5.0$	0.7	0.019
			LZ		$M_s=5.0$	16.0	1.78

			PMZ		$m_b=4.6$		
			eS	07 14	18.0	-1.7	
			SS	07 17	57.0	0.9	
			LZ		$M_g=4.8$	28.0	1.40
BJI	54.3	327	eP	07 07	03.0	-0.5	
			PMZ		$m_b=5.0$	2.0	0.043
			eS	07 14	42.0	2.3	
			LZ		$M_g=4.7$	28.0	1.04
TIY	54.9	322	eP	07 07	08.6	0.6	
			LN		$M_g=5.0$	12.0	0.58
			LZ		$M_g=5.1$	18.0	1.46
XAN	54.9	317	P	07 07	08.0	-0.4	
CD2	57.0	311	eP	07 07	21.2	-2.3	
HHC	57.4	325	eP	07 07	26.2	-0.1	
			PMZ		$m_b=5.1$	1.5	0.042
			LZ		$M_g=5.0$	22.0	1.29
BTO	58.1	324	eP	07 07	31.5	0.0	
			pP	07 07	39.5	2.6	
			eS	07 15	31.0	-0.4	
LZH	59.5	316	eP	07 07	41.5	0.3	
			PMZ		$m_b=5.2$	1.5	0.045
			LE		$M_g=4.8$	15.0	0.38
			LZ		$M_g=4.8$	21.0	0.74
GTA	63.9	317	eP	07 08	11.1	0.2	
			PMZ		$m_b=5.0$	1.2	0.021
			pP	07 08	19.0	2.6	
			sP	07 08	22.6	3.5	
			S	07 16	48.0	3.8	
			LE		$M_s=5.1$	15.0	0.60
			LZ		$M_s=4.9$	22.0	0.91
LSA	66.5	305	P	07 08	24.2	-3.6	
WMQ	74.0	318	P	07 09	14.6	1.4	
			PMZ		$m_b=5.0$	1.8	0.028
			LZ		$M_g=4.9$	24.0	0.83

DEC 9d 05h 56m $00.6 \pm 0.11s$, SD3.24 / 21
 33.51 N $\pm 0.96km$, 93.93 E $\pm 1.28km$, h14 $\pm 0.06km$
 Qinghai Province (325)
 $M_s 4.2 / 8$, $M_L 5.0 / 1$, $m_b 4.8 / 3$

LSA	4.5	213	ePg	05 57	16.0	-4.3	
			Sg	05 58	28.0	7.0	
			LN		$M_s=4.2$	7.0	1.11
			LE			5.0	1.38
GTA	7.6	37	Pn	05 57	51.4	0.4	
			PMZ		$m_b=4.1$	0.7	0.0080
			pP	05 57	58.0	-0.5	
			LE		$M_s=4.0$	13.0	1.30
			LZ		$M_s=3.8$	10.0	0.58
CD2	8.7	105	eP	05 58	14.4	4.8	
			eS	05 59	48.0	-0.8	
			LE		$M_s=4.2$	7.0	0.82
WMQ	11.4	337	eP	05 58	42.1	-4.1	
GYA	13.1	119	P	05 59	06.0	-3.2	
			LN		$M_s=4.6$	10.0	1.62
			LE			10.0	0.57
			LZ		$M_s=4.1$	12.0	0.80
TIY	15.6	69	eP	05 59	44.0	1.6	
			S	06 02	41.0	5.8	
			LN		$M_s=4.3$	10.0	0.65
			LZ		$M_s=4.5$	8.0	0.99

DEC 9d 09h 23m $04.2 \pm 0.03s$, SD0.97 / 236
 37.24 N $\pm 0.85km$, 24.36 W $\pm 0.42km$, h9 $\pm 0.09km$
 Azores region (404)
 $M_s 5.4 / 3$, $m_b 5.2 / 63$,

KSH	74.2	52	P	09 34	45.4	1.2	
WMQ	78.5	43	P	09 35	09.0	0.5	
			PMZ		$m_b=5.2$	1.5	0.039
			pP	09 35	16.0	2.3	
			PP	09 38	06.0	-0.9	
			LN		$M_s=5.5$	12.0	0.76
			LE			10.0	0.36
			LZ		$M_s=5.3$	20.0	1.54
GTA	88.1	40	-P	09 35	57.3	0.0	
			PMZ		$m_b=5.2$	0.8	0.014
			LE		$M_s=5.4$	16.0	0.70
			LZ		$M_s=5.1$	20.0	0.77
BTO	92.0	33	eP	09 36	16.0	0.4	
HHC	92.4	32	eP	09 36	18.4	0.7	
LZH	92.7	40	eP	09 36	19.5	0.7	
			PMZ		$m_b=5.4$	2.0	0.039
			LN		$M_s=5.3$	15.0	0.46
			LZ		$M_s=4.9$	26.0	0.54
BJI	95.0	29	eP	09 36	29.0	-0.2	
			PMZ		$m_b=5.4$	1.5	0.020
TIY	95.4	33	eP	09 36	31.2	-0.1	
			LZ		$M_s=5.1$	24.0	0.82

DEC 9d 06h 57m $34.5 \pm 0.06s$, SD1.31 / 85
 3.75 S $\pm 0.63km$, 151.41 E $\pm 1.01km$, h10 $\pm 0.11km$
 New Britain region (192)
 $M_s 5.0 / 6$, $m_b 5.1 / 36$,

SSE	45.1	322	P	07 05	53.5	0.6	
			S	07 12	30.0	-0.6	
			sS	07 12	36.0	-4.9	
			LZ		$M_g=4.9$	20.0	1.30
TIA	51.1	324	eP	07 06	40.0	0.4	
			LN		$M_g=5.0$	20.0	1.10
			LZ		$M_g=4.7$	22.0	0.90
SNY	51.9	334	+P	07 06	47.2	0.9	
			S	07 14	11.0	3.8	
			LZ		$M_g=4.8$	30.0	1.48
MDJ	52.0	340	eP	07 06	44.2	-2.3	
			S	07 14	07.0	-0.4	
			LZ		$M_g=4.9$	24.0	1.31
CN2	52.8	337	eP	07 06	52.5	-0.1	

DEC 9d 14h 35m $24.3 \pm 0.04s$, SD1.51 / 13
 23.83 N $\pm 1.20km$, 122.56 E $\pm 0.83km$, h23 $\pm 0.98km$
 Taiwan region (243)
 $M_L 3.6 / 6$, $m_b 4.1 / 2$,

QZH	3.8	288	ePn	14 36	20.0	-1.8	
			Sn	14 37	05.5	-1.9	

		SMN	$M_L=3.5$	1.0	0.12
		SME		1.0	0.12
SSE	7.3 351	P	14 37 12.5	-0.6	
GTA	24.7 314	eP	14 40 47.2	1.3	
		PMZ	$m_b=4.1$	1.0	0.0070
		sP	14 40 59.0	2.5	

DEC 9d 23h 39m $14.2 \pm 0.04s$, SD1.11 / 73
 $0.23 N \pm 0.53km$, $125.87 E \pm 0.99km$, $h74 \pm 0.26km$
 Molucca Sea (269)
 $M_S 4.6 / 2$, $m_b 4.9 / 19$,

GYA	32.0 326	P	23 45 37.8	2.0	
KMI	33.4 320	-P	23 45 48.5	0.5	
		PMZ	$m_b=5.2$	1.8	0.070
		pP	23 46 02.5	-2.7	
CD2	37.0 328	eP	23 46 19.8	0.8	
XAN	37.2 336	P	23 46 19.7	-0.7	
TIY	39.3 343	eP	23 46 37.7	-0.2	
BJI	40.6 349	eP	23 46 48.5	0.0	
LZH	41.1 332	eP	23 46 53.0	-0.1	
		PMZ	$m_b=4.9$	2.0	0.039
		pP	23 47 12.0	1.3	
		LE	$M_S=4.5$	15.0	0.38
		LZ	$M_S=4.2$	30.0	0.53
SNY	41.5 357	eP	23 46 55.4	-0.2	
LSA	44.2 315	P	23 47 18.0	-0.4	
MDJ	44.3 4	eP	23 47 19.2	0.3	
GTA	45.7 332	P	23 47 29.4	-0.7	
		PMZ	$m_b=5.1$	0.6	0.014
		LE	$M_S=4.8$	16.0	0.56
		LZ	$M_S=4.3$	18.0	0.35
WMQ	55.1 327	P	23 48 41.3	-0.4	
		PMZ	$m_b=5.0$	1.0	0.021
		pP	23 48 59.5	-0.5	
		LZ	$M_S=4.6$	20.0	0.54
KSH	60.0 317	P	23 49 17.7	1.7	

DEC 10d 00h 31m $41.0 \pm 0.17s$, SD1.96 / 73
 $4.70 S \pm 2.68km$, $153.10 E \pm 2.34km$, $h25 \pm 0.28km$
 New Britain region (192)
 $M_S 5.1 / 8$, $m_b 5.5 / 3$, $m_b 5.0 / 25$

SSE	46.8 322	+P	00 40 10.5	-0.9	
		PMZ	$m_b=5.0$	1.0	0.022
		sP	00 40 23.8	1.1	
		LN	$M_S=5.1$	16.0	0.50
		LE		16.0	1.00
		LZ	$M_S=4.9$	20.0	1.40
TIA	52.8 323	eP	00 40 58.3	1.2	
		LZ	$M_S=4.7$	30.0	1.12
MDJ	53.4 339	eP	00 41 01.7	0.0	
		pP	00 41 07.0	-2.7	
		S	00 48 28.0	-2.2	
		LZ	$M_S=4.9$	36.0	2.03
SNY	53.5 333	+P	00 41 02.0	-0.6	
		LZ	$M_S=5.0$	30.0	1.85
CN2	54.3 336	eP	00 41 09.0	0.7	
		PMZ	$m_b=4.9$	1.2	0.020
		pP	00 41 18.0	1.6	
		LN	$M_S=5.1$	15.0	0.74
		LE		15.0	0.50
		LZ	$M_S=5.0$	30.0	1.83
GYA	54.6 307	P	00 41 13.8	3.5	
		PMZ	$m_b=4.9$	1.0	0.016
		S	00 48 40.0	-5.6	
		sS	00 49 05.0	5.0	
		LZ	$M_S=4.8$	20.0	0.94
BJI	56.0 326	eP	00 41 24.0	3.7	
		PMZ	$m_b=4.9$	1.6	0.023

		LZ	$M_S=4.9$	24.9	1.28
TIY	56.6 322	eP	00 41 27.6	2.5	
		S	00 49 20.0	6.9	
		LN	$M_S=5.0$	20.0	0.91
		LZ	$M_S=5.1$	23.0	1.74
XAN	56.8 316	P	00 41 24.0	-2.0	
CD2	58.9 310	eP	00 41 39.8	-1.2	
HHC	59.1 324	eP	00 41 43.0	0.2	
		LZ	$M_S=5.1$	22.0	1.68
BTO	59.9 323	eP	00 41 46.0	-2.0	
		epP	00 41 52.5	-3.4	
		LN	$M_S=5.0$	14.0	0.37
		LE		14.0	0.38
LZH	61.4 316	eP	00 42 01.0	2.9	
		PMZ	$m_b=5.1$	1.5	0.040
		pP	00 42 10.0	4.1	
		LE	$M_S=5.4$	17.0	1.54
		LZ	$M_S=4.8$	22.0	0.75
GTA	65.8 317	eP	00 42 25.6	-1.5	
		PMZ	$m_b=4.5$	0.7	0.0040
		pP	00 42 32.6	-2.4	
		sP	00 42 35.3	-3.1	
		S	00 51 04.0	-5.5	
		LE	$M_S=5.1$	14.0	0.61
		LZ	$M_S=4.8$	29.0	0.96
WMQ	75.9 317	P	00 43 28.2	0.2	
		PMZ	$m_b=4.9$	1.0	0.014
		PMZ	$m_b=5.7$	6.0	0.64
		pP	00 43 35.2	-0.6	
		S	00 53 08.0	1.6	
		ScS	00 53 40.0	4.0	
		LZ	$M_S=4.9$	24.0	0.83
KSH	83.1 311	P	00 44 11.0	3.7	

DEC 10d 07h 30m $15.6 \pm 0.06s$, SD1.73 / 60
 $24.06 N \pm 0.75km$, $122.51 E \pm 0.87km$, $h19 \pm 0.27km$
 Taiwan region (243)
 $M_S 4.5 / 17$, $M_L 4.5 / 10$, $m_b 4.6 / 2$,

QZH	3.7 285	+iPn	07 31 11.6	-0.3	
		Sn	07 31 50.0	-6.7	
		SMN	$M_L=4.1$	1.0	0.69
		SME		0.5	0.39
SSE	7.1 351	P	07 32 01.5	0.0	
		pP	07 32 07.5	0.4	
		S	07 33 21.0	-1.3	
		SMN	$M_L=4.3$	1.5	0.17
		SME		1.0	0.081
		LN	$M_S=4.4$	16.0	4.00
		LE		16.0	1.00
		LZ	$M_S=3.8$	20.0	1.40
GZH	8.5 265	eP	07 32 23.2	2.8	
		SMN	$M_L=4.9$	1.2	0.48
		SME		1.0	0.098
		LN	$M_S=4.4$	10.0	1.43
		LE		10.0	1.52
		LZ	$M_S=4.2$	12.0	1.81
GYA	14.5 283	P	07 33 42.0	-0.7	
		PP	07 33 51.4	-2.5	
		SMN		1.8	0.29
		SME		1.8	0.15
		LN	$M_S=4.5$	12.0	1.06
		LE		12.0	1.01
		LZ	$M_S=4.3$	15.0	1.47
TIY	16.1 330	eP	07 34 07.5	4.4	
		LN	$M_S=4.5$	12.0	1.29
		LZ	$M_S=4.6$	14.0	2.14
BJI	16.8 343	eP	07 34 10.0	-1.8	
		LZ	$M_S=4.4$	12.0	1.21



SNY	17.7	3	eP	07 34	25.0	1.4				eS	07 51	21.0	-5.5						
CD2	18.0	296	eP	07 34	25.0	-1.5				LN		$M_B=4.5$	12.0	0.83					
			LE		$M_S=4.5$	8.0	0.69			LE			13.0	0.64					
			LZ		$M_S=4.4$	15.0	1.24		CN2	19.9	6	eP	07 47	51.0	-3.2				
HHC	19.1	334	-iP	07 34	41.8	1.5						PMZ		$m_b=3.9$	1.0	0.0060			
			PMZ		$m_b=4.5$	1.2	0.030					pP	07 47	59.0	-0.2				
			LN		$M_S=4.6$	13.0	1.02					LZ		$M_B=4.4$	14.0	1.18			
			LE			13.0	0.67		LZH	20.1	311	+iP	07 47	56.0	-0.9				
			LZ		$M_S=4.5$	16.0	1.81					PMZ		$m_b=4.6$	1.5	0.040			
BTO	19.5	331	eP	07 34	46.0	0.6						sP	07 48	07.0	2.0				
			LN		$M_S=4.8$	12.0	1.62					LN		$M_B=4.3$	10.0	0.44			
			LE			12.0	0.95					LZ		$M_B=4.5$	16.0	1.68			
CN2	19.8	6	eP	07 34	47.5	-1.1			GTA	24.6	314	eP	07 48	42.6	1.2				
			PMZ		$m_B=4.0$	10.1	0.070					PMZ		$m_b=4.5$	0.9	0.014			
			LZ		$M_S=4.5$	14.0	1.53		DEC 10d 07h 51m $10.3 \pm 0.05s$, SD1.91 / 9 23.90 N $\pm 1.22km$, 122.67 E $\pm 1.17km$, $h_{29} \pm 1.97km$ Taiwan region (243) $M_L 3.8 / 6$, $m_b 4.5 / 3$,										
LZH	20.1	311	+iP	07 34	51.5	0.2													
			PMZ		$m_b=4.8$	2.0	0.085												
			pP	07 34	57.5	0.0			QZH	3.9	286	Pn	07 52	08.5	0.3				
			sP	07 35	02.0	1.0								$M_L=3.5$	0.8	0.10			
			LN		$M_S=4.4$	10.0	0.65							SME		0.5	0.11		
			LZ		$M_S=4.3$	17.0	1.03							P	07 52	55.0	-2.6		
GTA	24.5	314	eP	07 35	36.6	0.8			SSE	7.3	350								
			PMZ		$m_b=4.5$	1.0	0.017		DEC 10d 08h 12m $27.0 \pm 0.05s$, SD1.70 / 20 24.05 N $\pm 0.59km$, 122.42 E $\pm 0.83km$, $h_5 \pm 0.33km$ Taiwan (244) $M_L 3.6 / 8$, $m_b 3.9 / 3$,										
			PMZ		$m_B=5.3$	3.5	0.40												
			pP	07 35	46.2	3.9			QZH	3.6	285	Pn	08 13	23.9	0.3				
			sP	07 35	51.2	5.7								Sn	08 14	01.9	-6.6		
			LE		$M_S=4.5$	13.0	0.70							SMN		$M_L=3.2$	0.9	0.077	
			LZ		$M_S=4.4$	14.0	0.88							SME			0.6	0.059	
DEC 10d 07h 43m $19.5 \pm 0.05s$, SD1.74 / 45 24.01 N $\pm 0.79km$, 122.52 E $\pm 0.89km$, $h_{10} \pm 0.33km$ Taiwan region (243) $M_S 4.3 / 11$, $M_L 4.3 / 9$, $m_b 4.5 / 13$									SSE	7.1	351	eP	08 14	14.0	-0.2				
QZH	3.7	285	+iPn	07 44	16.7	-0.4								SMN		$M_L=3.4$	1.0	0.013	
			SMN		$M_L=3.9$	0.8	0.35							SME			1.0	0.019	
			SME			0.9	0.26							LZ		$M_S=3.4$	20.0	0.60	
SSE	7.2	351	P	07 45	05.5	-1.5													
			pP	07 45	12.5	0.9													
			S	07 46	28.0	-0.9													
			SMN		$M_L=4.2$	1.4	0.11												
			SME			1.1	0.083												
			LN		$M_S=3.9$	12.0	1.10												
			LZ		$M_S=3.6$	20.0	0.90												
GZH	8.5	266	eP	07 45	30.0	4.6			MDJ	12.5	303	eP	08 33	54.2	-0.1				
			SMN		$M_L=4.6$	1.0	0.22							PMZ		$m_b=5.3$	1.1	0.057	
			SME			1.0	0.059							pP	08 34	05.0	3.7		
			LZ		$M_S=4.2$	10.0	1.27		GYA	33.8	260	P	08 37	39.4	2.3				
GYA	14.6	283	P	07 46	48.0	0.1			DEC 10d 15h 35m $40.8 \pm 0.05s$, SD1.61 / 60 17.70 S $\pm 1.38km$, 116.06 W $\pm 1.64km$, $h_6 \pm 0.41km$ Easter Island Cordillera (684) $m_b 5.0 / 10$,										
			PP	07 46	56.6	-2.4			WMQ	147.1	327	PKP	15 55	26.2	2.3				
			SMN			1.8	0.18		LSA	152.4	301	PKP	15 55	34.0	1.5				
			SME			1.8	0.091		KSH	155.9	337	ePKP	15 55	39.5	2.6				
			LN		$M_S=4.2$	12.0	0.62		DEC 10d 23h 19m $57.3 \pm 0.04s$, SD1.35 / 148 4.80 N $\pm 0.71km$, 77.47 W $\pm 0.81km$, $h_{28} \pm 0.20km$ Near west coast of Colombia (102) $m_b 5.1 / 57$,										
			LE			12.0	0.42		KSH	129.5	27	ePKP	23 39	07.2	2.2				
			LZ		$M_S=4.0$	16.0	0.82		BJI	133.7	346	ePKP	23 39	13.0	0.3				
TIY	16.2	330	eP	07 47	10.3	1.6			HHC	133.8	350	ePKP	23 39	14.0	0.8				
			LN		$M_S=4.3$	11.0	0.70		LZH	139.3	358	ePKP	23 39	21.0	-2.3				
			LZ		$M_S=4.4$	15.0	1.42							sPKP	23 39	34.0	-0.4		
BJI	16.9	343	eP	07 47	22.0	4.6			CD2	144.5	358	ePKP	23 39	37.0	4.9				
			LZ		$M_S=4.1$	12.0	0.60		GYA	148.7	353	PKP	23 39	40.8	1.6				
CD2	18.0	297	eP	07 47	31.2	-0.7								sPKP	23 39	52.6	2.2		
HHC	19.1	334	-iP	07 47	47.0	1.2			DEC 11d 01h 09m $29.4 \pm 0.06s$, SD2.96 / 9										
			PMZ		$m_b=4.4$	1.0	0.019												
			S	07 51	11.0	-4.3													
			LN		$M_S=4.4$	13.0	0.70												
			LE			13.0	0.41												
			LZ		$M_S=4.4$	16.0	1.19												
BTO	19.6	331	eP	07 47	50.5	-0.5													
			ePP	07 48	07.0	-1.2													

35.71 N ± 0.40km, 79.95 E ± 1.07km, h9 ± 0.97km
Kashmir-Tibet border region (304)
M_L 3.8 / 4,

KSH	5.0	321	Pn	01 10 47.0	2.3		
			Sn	01 11 46.5	2.2		
			SMN			M _L = 4.7	0.5 0.81
			SME				0.4 0.86
WMQ	10.1	34	eP	01 12 01.4	3.9		
			S	01 13 52.0	0.9		
			SMN				1.2 0.011
			SME				1.0 0.011

			PMZ			m _B = 6.1	
			pP	06 43 21.0	2.4		
			sP	06 43 28.0	4.8		
			ePP	06 47 02.0	0.2		
			eSKS	06 53 39.0	1.5		
GTA	100.4	308	P	06 43 26.2	-0.2		
			PMZ			m _B = 5.7	0.8 0.013
			pP	06 43 36.3	-1.4		
			PP	06 47 28.0	-6.5		
			SKS	06 54 00.0	1.0		
			LE			M _S = 5.7	20.0 1.34
			LZ			M _S = 5.6	10.0 1.03

DEC 11d 06h 29m 41.4 ± 0.04s, SD1.42 / 162
22.64 S ± 1.30km, 175.09 W ± 0.96km, h42 ± 0.39km
Tonga region (174)
M_S 5.5 / 6, m_B 6.1 / 3, m_b 5.6 / 58

SSE	81.1	309	P	06 41 55.0	0.2		
			LZ			M _S = 4.9	20.0 0.60
GZH	83.1	298	+P	06 42 06.5	1.5		
MDJ	83.8	324	+iP	06 42 08.6	-0.1		
			PMZ			m _B = 6.0	1.0 0.17
			pP	06 42 20.0	0.0		
SNY	85.6	319	+P	06 42 15.0	-2.4		
			PMZ			m _B = 5.6	1.8 0.098
			pP	06 42 24.8	-4.0		
			LZ			M _S = 5.4	16.0 1.18
CN2	85.6	321	+P	06 42 17.2	-0.5		
			PMZ			m _B = 5.8	1.0 0.085
			PMZ				3.0 0.64
			pP	06 42 29.0	-0.1		
			LN			M _S = 5.7	13.0 0.90
			LE				13.0 0.72
			LZ			M _S = 5.0	20.0 0.61
WHN	85.9	305	eP	06 42 19.0	0.1		
			PMZ			m _B = 5.8	2.0 0.18
			eS	06 52 52.0	4.1		
			LZ			M _S = 5.3	20.0 1.25
TIA	86.7	311	eP	06 42 21.0	-2.0		
			PMZ			m _B = 5.5	1.4 0.062
			eSKS	06 52 46.0	3.7		
			LZ			M _S = 5.1	22.0 0.85
BJI	89.3	314	eP	06 42 35.5	0.1		
			PMZ			m _B = 6.1	2.0 0.30
			PMZ			m _B = 6.1	4.0 0.53
			SKS	06 53 00.0	1.4		
			LZ			M _S = 5.0	24.0 0.70
GYA	90.0	299	P	06 42 39.8	0.8		
			PMZ			m _B = 5.3	1.0 0.020
			LZ			M _S = 5.0	30.0 0.78
TIY	90.7	311	+iP	06 42 42.0	-0.1		
			PMZ			m _B = 5.8	1.2 0.070
			SKS	06 53 10.0	3.0		
			LE			M _S = 5.5	20.0 0.98
			LZ			M _S = 5.1	22.0 0.78
XAN	91.6	306	+P	06 42 46.0	-0.1		
			PMZ			m _B = 5.9	0.6 0.048
KMI	92.7	296	+P	06 42 53.0	1.4		
			PMZ			m _B = 6.2	1.5 0.20
			eSKS	06 53 20.0	1.5		
			LZ			M _S = 5.2	22.0 1.00
HHC	92.8	313	+P	06 42 50.0	-1.7		
			PMZ			m _B = 5.9	1.1 0.078
			LZ			M _S = 5.3	26.0 1.41
BTO	93.7	313	P	06 42 56.0	0.1		
			epP	06 43 08.0	0.8		
CD2	94.2	302	eP	06 42 59.4	1.3		
LZH	96.2	306	+iP	06 43 08.0	0.6		
			PMZ			m _B = 6.1	1.5 0.079

DEC 11d 17h 03m 10.2 ± 0.03s, SD1.22 / 338
17.74 S ± 1.07km, 116.05 W ± 1.18km, h17 ± 0.13km
Easter Island Cordillera (684)
M_S 6.4 / 32, m_B 6.1 / 8, m_b 5.7 / 33

MDJ	119.5	312	ePKP	17 22 00.3	0.1		
			LN			M _S = 6.5	20.0 3.14
			LE				20.0 4.77
			LZ			M _S = 6.4	35.0 13.8
CN2	122.6	311	ePKP	17 22 06.0	-0.1		
			ePP	17 23 46.0	-0.3		
			PPMZ			m _B = 6.4	12.0 1.81
			SS	17 40 30.0	5.8		
			LN			M _S = 6.3	20.0 2.22
			LE				20.0 3.35
			LZ			M _S = 6.1	22.0 4.86
SNY	124.1	309	ePKP	17 22 08.4	-0.7		
			PP	17 23 52.0	-5.4		
			PPMZ				20.0 1.22
			SKS	17 29 15.0	-1.5		
			SS	17 40 41.0	-2.7		
			LE			M _S = 6.3	23.0 4.10
			LZ			M _S = 6.1	22.0 5.02
SSE	126.7	296	PKP	17 22 14.0	-0.1		
			PP	17 24 12.0	-1.7		
			SKKS	17 31 10.0	6.5		
			LN			M _S = 6.2	18.0 1.50
			LE				18.0 1.70
			LZ			M _S = 6.1	18.0 3.60
TIA	129.8	303	ePKP	17 22 19.9	-0.1		
			PP	17 24 36.0	1.9		
			SKKS	17 31 26.0	2.1		
			LE			M _S = 6.6	23.0 7.87
			LZ			M _S = 6.2	26.0 6.84
BJI	130.0	308	ePKP	17 22 20.5	0.2		
			ePP	17 24 32.0	-3.2		
			PPMZ				14.0 0.82
			eSKKS	17 31 24.0	-1.0		
			eSS	17 41 50.0	-6.3		
			LE			M _S = 6.4	21.0 4.53
			LZ			M _S = 6.0	22.0 3.40
WHN	132.6	295	ePKP	17 22 25.5	0.1		
			LE			M _S = 6.6	20.0 6.56
			LZ			M _S = 6.1	20.0 3.75
HHC	133.2	310	-PKP	17 22 26.0	-0.7		
			PP	17 24 52.0	-3.8		
			PPMZ			m _B = 6.5	8.0 1.61
			SKKS	17 31 42.0	-2.7		
			SS	17 42 32.0	-4.2		
			LN			M _S = 6.3	20.0 2.34
			LE				20.0 2.46
			LZ			M _S = 6.3	22.0 6.07
TIY	133.3	305	-PKP	17 22 26.0	-0.7		
			PP	17 24 56.0	-0.2		
			PPMZ				14.0 1.19
			LE			M _S = 6.1	24.0 2.54



GZH	133.6	285	LZ	$M_s=6.1$	28.0	4.93	SSE	72.2	316	pP	20 51 00.0	2.3	GZH	72.6	305	S	20 59 50.0	-5.2	QZN	73.1	300	LN	$M_s=6.1$	13.0	4.78																															
			PKP	17 22 30.0	2.8	LN				$M_s=6.1$	34.0	19.8				LZ	$M_s=6.1$	34.0				19.8																																		
			PPMZ			14.0				1.18	-P	20 51 03.0				0.2	PMZ	$m_b=5.3$				1.4	0.058																																	
BTO	134.4	310	LZ	$M_s=6.0$	22.0	2.85	GZH	72.6	305	PMZ	$m_B=6.1$	8.0	2.00	QZN	73.1	300	pP	20 51 15.0	3.8	WHN	76.3	312	LN	$M_s=6.4$	18.0	8.30																														
			PKP	17 22 29.0	0.1	LE					18.0	8.30	PMZ				$m_b=5.9$	1.0	0.15				LN	$M_s=6.4$	18.0	8.30																														
			PP	17 25 02.0	-2.0	LZ				$M_s=6.3$	22.0	19.0	LZ				$m_B=6.6$	6.0	4.68				LE		20.0	10.5																														
			eSKS	17 29 40.0	5.0	LN				$M_s=6.6$	19.0	2.44	iS				21 00 34.0	6.1	16.0				4.24	LZ	$M_s=6.1$	20.0	9.98																													
			eSS	17 42 48.5	-2.0	LE					23.0	5.59	LN				$M_s=6.4$	16.0	4.24				LE		20.0	10.5																														
QZN	136.5	279	PKP				GZH	72.6	305	PMZ	$m_B=6.6$	6.0	4.68	QZN	73.1	300	+P	20 51 07.6	-0.6	WHN	76.3	312	LE		20.0	10.5																														
			PPMZ			13.0				1.30	LN	$M_s=6.4$	16.0				4.24	PMZ	$m_b=5.7$				1.1	0.10	LZ	$M_s=6.1$	20.0	9.98																												
			LN	$M_s=6.2$	19.0	1.20				LE		20.0	10.5				LZ	$m_B=6.3$	7.0				2.44	+P	20 51 07.6	-0.6	LN	$M_s=6.4$	16.0	4.24																										
			LE		19.0	1.90				LZ	$M_s=6.2$	38.0	7.40				PMZ	$m_B=6.3$	7.0				2.44	LN	$M_s=6.3$	16.0	6.20	LE		18.0	5.23																									
			ePKP	17 22 29.0	-4.2	LN				$M_s=6.6$	19.0	2.44	pP				20 51 20.5	3.9	16.0				6.20	LE		18.0	5.23	LN	$M_s=6.3$	27.0	22.7																									
XAN	136.8	301	PP	17 25 17.0	-1.0		DL2	77.3	323	LN	$M_s=6.3$	20.0	3.22	TIA	78.1	318	-P	20 51 32.0	-0.2	SNY	78.3	326	PMZ	$m_b=5.9$	1.0	0.17	CN2	78.8	328	PMZ	$m_b=6.2$	1.3	0.39																							
			SKKS	17 32 02.0	-4.8	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_B=6.3$	6.0	2.53				S	21 01 23.0	5.1	LN				$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9																
			SS	17 43 20.0	1.5	LZ				$M_s=6.2$	30.0	5.55	PMZ				$m_B=6.3$	6.0	2.53																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9				
			LN	$M_s=6.6$	19.0	2.44				LN	$M_s=6.5$	20.0	4.14				iS	21 01 12.0	2.7																						16.0	8.25	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9		
			LE		23.0	5.59				LE		20.0	4.34				LN	$M_s=6.5$	16.0																						8.25	LE		20.0	10.7	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0
ePKP	17 22 29.0	-4.2	LZ	$M_s=6.2$	38.0	7.40	LZ	$M_s=6.2$	20.0	3.22	LE		20.0	10.7	LZ	$M_s=6.2$	20.0	13.1	LN	$M_s=6.5$	16.0	8.25					LE		20.0												10.7	LZ	$M_s=6.2$	20.0	13.1											
GYA	139.6	290	PP	17 25 40.0	3.8		MDJ	77.5	331	PMZ	$m_b=5.5$	1.0	0.062	TIA	78.1	318	PMZ	$m_b=5.9$	1.0	0.17	SNY	78.3	326	PMZ	$m_B=6.5$	5.0	3.47	CN2	78.8	328	PMZ	$m_b=6.5$	5.0	3.47																						
			LN	$M_s=6.4$	20.0	1.57				PMZ	$m_B=6.3$	7.0	2.44				PMZ	$m_B=6.3$	6.0	2.43				S	21 01 23.0	5.1	LN				$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9															
			LE		20.0	3.18				PMZ	$m_B=6.3$	7.0	2.44				PMZ	$m_B=6.3$	6.0	2.43																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9			
			LZ	$M_s=6.2$	38.0	7.40				PMZ	$m_B=6.3$	7.0	2.44				PMZ	$m_B=6.3$	6.0	2.43																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9			
			PKP	17 22 38.0	-0.5	LZ				$M_s=6.2$	30.0	5.55	PMZ				$m_B=6.3$	7.0	2.44	PMZ																						$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9
PP	17 25 40.0	3.8	LZ	$M_s=6.2$	30.0	5.55	PMZ	$m_B=6.3$	7.0	2.44	PMZ	$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ					$M_s=6.0$	40.0	14.9																										
CD2	141.6	298	SKKS	17 32 42.0	6.0		MDJ	77.5	331	S	21 01 23.0	5.1		TIA	78.1	318	eP	20 51 32.2	-1.3	SNY	78.3	326	PMZ	$m_b=6.2$	1.3	0.39	CN2	78.8	328	PMZ	$m_b=6.2$	1.3	0.39																							
			LN	$M_s=6.4$	17.0	3.13				PMZ	$m_B=6.3$	6.0	2.44				PMZ	$m_B=6.3$	6.0				2.43	S	21 01 23.0	5.1				LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9															
			LZ	$M_s=6.2$	30.0	5.55				PMZ	$m_B=6.3$	6.0	2.44				PMZ	$m_B=6.3$	6.0				2.43																			LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9			
			PKP	17 22 41.0	-0.9	LZ				$M_s=6.2$	30.0	5.55	PMZ				$m_B=6.3$	6.0	2.44				PMZ																			$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9
			SKKS	17 32 42.0	6.0	LZ				$M_s=6.2$	30.0	5.55	PMZ				$m_B=6.3$	6.0	2.44				PMZ																			$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9
LN	$M_s=6.4$	17.0	3.13	LZ	$M_s=6.2$	30.0	5.55	PMZ	$m_B=6.3$	6.0	2.44	PMZ	$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29				LZ	$M_s=6.0$	40.0													14.9														
GTA	142.2	312	LZ	$M_s=6.2$	30.0	5.55	DL2	77.3	323	LN	$M_s=6.3$	20.0	3.22	TIA	78.1	318	+P	20 51 27.5	0.6	SNY	78.3	326	LN	$M_s=6.5$	16.0	8.25	CN2	78.8	328	LN	$M_s=6.5$	16.0	8.25																							
			PKP	17 22 38.4	-4.6	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_b=5.5$	1.0	0.062				S	21 01 23.0	5.1	LN				$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9																
			pPKP	17 22 50.0	2.7	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_B=6.5$	5.0	3.47																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9				
			PP	17 25 48.0	-3.5	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_B=6.5$	5.0	3.47																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9				
			PPMZ			15.0				0.87	PMZ	$m_B=6.5$	5.0				3.47	LN	$M_s=6.5$																						16.0	8.25	LN	$M_s=6.5$	16.0	8.25	LE		20.0	10.7	LZ	$M_s=6.2$	20.0	13.1		
SKKS	17 32 37.0	-2.2	LZ	$M_s=6.3$	22.0	5.75	PMZ	$m_B=6.5$	5.0	3.47	LN	$M_s=6.5$	16.0	8.25	LE		20.0	10.7	LZ	$M_s=6.2$	20.0	13.1																																		
KMI	143.2	288	LZ	$M_s=6.3$	22.0	5.75	DL2	77.3	323	LE		20.0	10.7	TIA	78.1	318	-P	20 51 32.0	-0.2	SNY	78.3	326	LE		20.0	10.7	CN2	78.8	328	LE		20.0	10.7																							
			-PKP	17 22 42.0	-2.9	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_b=5.9$	1.0	0.17				S	21 01 23.0	5.1	LN				$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9																
			LZ	$M_s=6.2$	24.0	4.40				PMZ	$m_B=6.3$	6.0	2.43				LN	$M_s=6.4$	15.0																						4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9							
			PKP	17 22 52.0	0.5	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_B=6.3$	6.0	2.43																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9				
			PKP2	17 22 54.2	-1.9	LZ				$M_s=6.3$	22.0	5.75	PMZ				$m_B=6.3$	6.0	2.43																						LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9				
PP	17 26 18.0	-3.6	LZ	$M_s=6.3$	22.0	5.75	PMZ	$m_B=6.3$	6.0	2.43	LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9																																		
WMQ	147.2	327	PPMZ	$m_B=6.2$	10.0	1.60	MDJ	77.5	331	S	21 01 23.0	5.1		TIA	78.1	318	eP	20 51 32.2	-1.3	SNY	78.3	326	PMZ	$m_b=6.2$	1.3	0.39	CN2	78.8	328	PMZ	$m_b=6.2$	1.3	0.39																							
			LN	$M_s=6.6$	20.0	4.14				PMZ	$m_B=6.3$	6.0	2.53				S	21 01 23.0	5.1				LN	$M_s=6.4$	15.0	4.83				LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9																			
			LE		20.0	4.34				PMZ	$m_B=6.3$	6.0	2.53																									LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9							
			LZ	$M_s=6.6$	22.0	9.58				PMZ	$m_B=6.3$	6.0	2.53																									LN	$M_s=6.4$	15.0	4.83	LE		17.0	8.29	LZ	$M_s=6.0$	40.0	14.9							
			PKP																																																					



BTO	2.0 319	ePg	11 51 00.8	-1.1			
		SMN		$M_L=2.9$	0.4	0.10	
		SME			0.4	0.11	
DEC 12d 15h 41m 33.5 ± 0.04s, SD1.23 / 219 4.78 S ± 0.75km, 152.50 E ± 0.95km, h69 ± 0.37km New Britain region (192) $M_S=5.1/4, m_b=5.5/2, m_b=5.3/56$							
SSE	46.5 322	P	15 49 56.0	-0.5			
		PMZ		$m_b=5.2$	1.6	0.057	
		pP	15 50 15.0	1.6			
		S	15 56 40.0	1.6			
		sS	15 57 08.0	-0.7			
		LZ		$M_S=4.9$	20.0	1.40	
WHN	50.6 316	P	15 50 31.0	2.8			
		pP	15 50 45.0	-0.2			
		LZ		$M_S=4.9$	24.0	1.35	
MDJ	53.3 340	eP	15 50 46.3	-1.9			
		LZ		$M_S=4.9$	30.0	1.74	
SNY	53.3 333	eP	15 50 49.0	0.5			
		LZ		$M_S=4.9$	26.0	1.49	
GYA	54.1 307	P	15 50 55.4	0.9			
		PMZ		$m_b=5.0$	1.2	0.023	
		LZ		$M_S=5.0$	24.0	1.71	
CN2	54.2 336	eP	15 50 53.0	-1.5			
		PMZ		$m_b=5.0$	1.2	0.022	
		PcP	15 51 56.0	-1.5			
		ScP	15 55 51.0	3.2			
		eS	15 58 25.0	0.2			
		LZ		$M_S=4.8$	26.0	1.00	
BJI	55.7 327	eP	15 51 05.0	-0.7			
		ePP	15 53 12.0	0.3			
		eS	15 58 40.0	-5.6			
		LZ		$M_S=4.3$	24.0	0.32	
TIY	56.3 322	-P	15 51 09.6	-0.7			
		S	15 58 54.0	1.4			
		LN		$M_S=5.2$	18.0	1.16	
		LZ		$M_S=5.0$	24.0	1.65	
XAN	56.4 317	P	15 51 09.5	-1.3			
		PMZ		$m_b=5.1$	0.6	0.013	
KMI	56.7 304	-P	15 51 14.5	1.2			
		PMZ		$m_b=5.5$	1.5	0.10	
		pP	15 51 27.5	-2.9			
		eS	15 59 05.0	5.4			
		LZ		$M_S=5.0$	25.0	1.50	
CD2	58.5 311	-iP	15 51 25.7	0.2			
		PMZ		$m_b=5.4$	1.0	0.046	
		eS	15 59 20.0	-2.4			
		LZ		$M_S=4.9$	24.0	1.10	
HHC	58.9 324	-P	15 51 28.0	-0.1			
		PMZ		$m_b=5.1$	1.4	0.032	
		eS	15 59 32.0	4.8			
		LZ		$M_S=5.0$	28.0	1.85	
BTO	59.6 323	P	15 51 32.5	-0.7			
		pP	15 51 50.0	-0.6			
		ePP	15 53 43.5	-3.0			
LZH	61.0 316	+iP	15 51 42.5	-0.4			
		PMZ		$m_b=5.5$	1.5	0.099	
		PMZ		$m_b=5.3$	10.0	0.37	
		pP	15 51 56.0	-4.3			
		sP	15 52 10.6	2.3			
		eS	15 59 52.0	-3.0			
		sS	16 00 31.0	6.2			
		LE		$M_S=5.1$	18.0	0.76	
		LZ		$M_S=4.8$	25.0	0.90	
GTA	65.4 317	+iP	15 52 11.6	-0.5			
		PMZ		$m_b=5.4$	1.2	0.060	
		PcP	15 52 43.8	1.4			

		S	16 00 55.0	6.4			
		LZ		$M_S=4.8$	25.0	0.80	
LSA	68.0 305	P	15 52 29.2	-0.7			
WMQ	75.5 317	P	15 53 12.3	-0.7			
		PMZ		$m_b=4.9$	1.2	0.023	
		PMZ		$m_b=5.7$	6.0	0.75	
		PcP	15 53 23.2	-1.9			
		S	16 02 50.0	4.4			
		LZ		$M_S=5.1$	20.0	1.00	
DEC 12d 15h 44m 46.2 ± 0.06s, SD3.97 / 6 33.32 N ± 0.51km, 93.92 E ± 0.49km, h21 ± 0.16km Tibet (306) $M_L=4.1/1,$							
LSA	4.3 214	ePg	15 46 02.1	-0.8			
DEC 12d 18h 54m 57.4 ± 0.04s, SD1.51 / 45 34.66 N ± 0.49km, 79.60 E ± 0.62km, h29 ± 0.07km Kashmir-Tibet border region (304) $M_S=4.2/3, M_L=4.2/1, m_b=4.4/13$							
LSA	11.0 114	P	18 57 37.4	1.3			
WMQ	11.1 32	P	18 57 37.5	0.0			
		PMZ		$m_b=4.3$	0.6	0.0039	
		pP	18 57 45.5	1.4			
		S	18 59 40.0	-1.1			
		LN		$M_S=4.2$	6.0	0.25	
		LE			6.0	0.41	
		LZ		$M_S=3.8$	12.0	0.45	
GTA	16.8 68	eP	18 58 53.0	0.2			
		PMZ		$m_b=3.8$	1.0	0.0050	
		pP	18 58 57.6	-2.0			
		LE		$M_S=4.0$	10.0	0.32	
		LZ		$M_S=3.7$	14.0	0.29	
LZH	19.8 79	eP	18 59 27.0	-2.0			
CD2	20.6 94	eP	18 59 36.9	-0.7			
GYA	24.6 102	P	19 00 17.8	0.5			
TIY	26.6 74	eP	19 00 36.0	0.3			
		LN		$M_S=4.3$	13.0	0.39	
DEC 13d 00h 12m 56.4 ± 0.04s, SD1.19 / 312 7.21 S ± 0.77km, 128.68 E ± 1.07km, h156 ± 0.24km Banda Sea (280) $m_b=5.7/3, m_b=5.6/90,$							
QZN	32.0 325	+iP	00 19 10.0	-0.5			
		PMZ		$m_b=5.2$	0.6	0.026	
		eS	00 24 08.0	-1.8			
QZH	33.4 343	P	00 19 21.7	-1.0			
GZH	33.6 334	+iP	00 19 24.0	-0.5			
		PMZ		$m_b=5.8$	1.0	0.18	
SSE	38.8 350	-iP	00 20 07.8	0.3			
		PMZ		$m_b=5.6$	1.0	0.15	
		S	00 25 58.0	5.7			
		sS	00 26 52.0	0.0			
		LZ			20.0	0.50	
GYA	39.7 328	+iP	00 20 16.0	0.5			
		PMZ		$m_b=5.7$	1.0	0.19	
		PcP	00 22 19.8	0.9			
		ScP	00 25 54.6	3.1			
		S	00 26 09.0	2.6			
		ScS	00 30 06.0	2.7			
		LZ			20.0	0.63	
WHN	40.0 341	+iP	00 20 18.3	0.7			
		PMZ		$m_b=5.7$	1.0	0.17	
		PMZ			3.0	1.21	
		LE			12.0	0.69	
KMI	40.9 323	+P	00 20 26.0	0.7			
		PMZ		$m_b=6.1$	1.5	0.70	
		pP	00 20 58.0	-0.9			

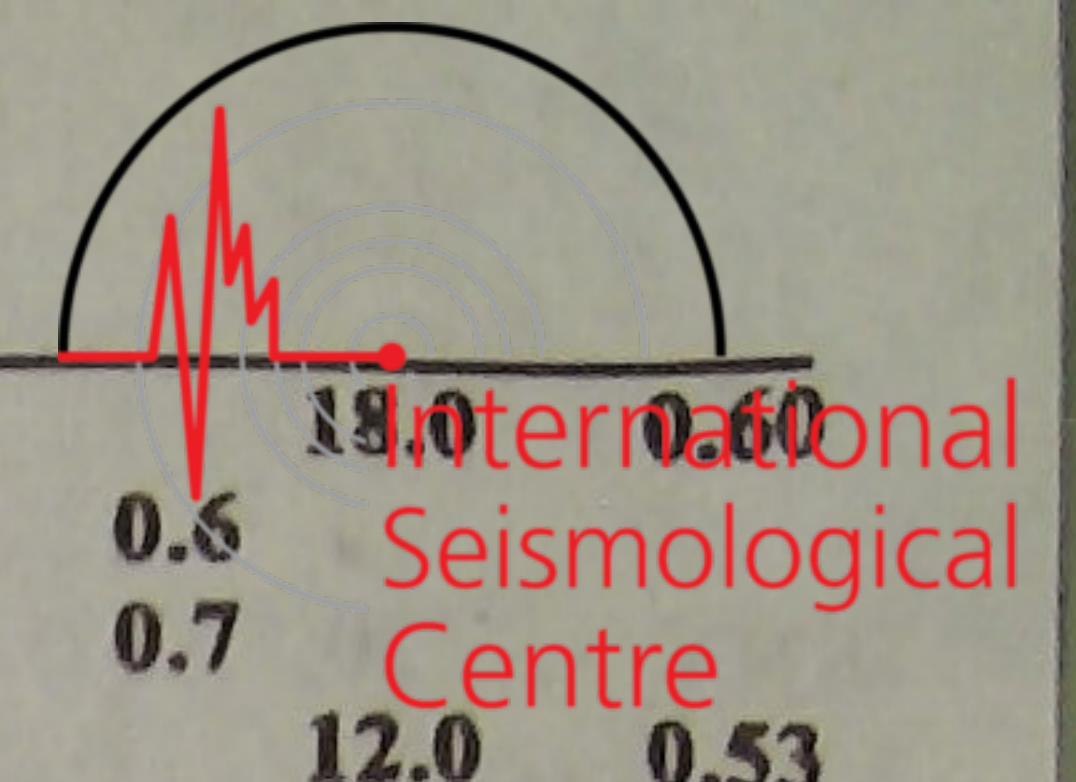


	PMZ	$m_B = 6.4$	6.0	3.67		PMZ	$m_B = 6.4$	7.0	3.75	
	pP	02 40 34.0	3.2			sP	02 42 05.5	0.1		
	eS	02 45 36.0	1.0			PP	02 43 35.0	-0.9		
	LN	$M_S = 6.3$	14.0	18.4		iS	02 48 25.0	6.1		
	LE		16.0	33.2		sS	02 48 37.5	4.1		
QZH	33.5 243	+iP	02 40 30.0	-0.6		LN	$M_S = 6.4$	18.0	18.7	
	PMZ	$m_b = 6.7$	2.3	3.04		LE		14.0	16.9	
	PMZ	$m_B = 6.9$	4.0	7.87	KMI	43.9 259	+P	02 41 57.5	-0.1	
	pP	02 40 43.0	3.7			PMZ	$m_b = 6.7$	1.9	2.40	
	S	02 45 52.0	2.9			PMZ	$m_B = 6.7$	6.0	6.90	
	LN	$M_S = 6.2$	14.0	16.5		pP	02 42 10.0	3.9		
	LE		14.0	14.4		PP	02 43 43.0	1.8		
	LZ	$M_S = 6.0$	16.0	21.4		S	02 48 29.0	3.2		
XAN	34.3 265	+P	02 40 36.5	-0.9		LN	$M_S = 6.2$	15.0	11.4	
	PMZ	$m_b = 5.6$	1.0	0.097		LE		12.0	7.80	
	PMZ	$m_B = 6.5$	6.0	4.61		LZ	$M_S = 6.2$	16.0	24.0	
	S	02 46 04.0	2.8		WMQ	44.3 292	P	02 42 00.5	0.1	
	LN	$M_S = 6.5$	13.0	28.8		PMZ	$m_b = 6.0$	1.2	0.29	
	LE		14.0	40.8		PMZ	$m_B = 6.8$	5.0	7.41	
LZH	36.8 272	+iP	02 40 59.5	0.7		PcS	02 47 39.0	2.9		
	PMZ	$m_b = 6.7$	2.0	2.70		S	02 48 31.6	0.5		
	PMZ	$m_B = 6.4$	6.0	4.10		LN	$M_S = 6.8$	13.0	23.1	
	pP	02 41 10.0	2.8			LE		14.0	53.8	
	sP	02 41 15.0	4.0			LZ	$M_S = 6.5$	16.0	51.8	
	iS	02 46 38.0	-3.0		LSA	49.2 273	P	02 42 41.0	1.4	
	LE	$M_S = 6.3$	15.0	30.1		PMZ	$m_B = 5.8$	4.0	0.55	
	LZ	$M_S = 6.2$	28.0	57.2		PP	02 44 36.0	3.4		
GTA	38.0 279	+iP	02 41 09.6	0.5		S	02 49 41.0	-0.1		
	PMZ	$m_b = 6.4$	1.2	0.82		SMN		6.0	3.10	
	PMZ	$m_B = 6.6$	7.0	6.92		SS	02 53 08.5	0.1		
	pP	02 41 21.0	3.3			LN	$M_S = 6.2$	15.0	10.3	
	PP	02 42 35.0	-3.9			LE		15.0	6.90	
	S	02 47 01.0	2.4		KSH	54.1 292	+P	02 43 16.0	0.1	
	SS	02 49 34.0	-2.6			S	02 50 50.0	2.2		
	ScS	02 51 19.0	3.1			LN	$M_S = 6.9$	13.0	32.8	
	LE	$M_S = 6.7$	14.0	65.8		LE		12.0	24.9	
	LZ	$M_S = 7.1$	7.0	92.8	<hr/> <p>DEC 13d 02h 51m 04.3 ± 0.03s, SD0.87 / 111 45.55 N ± 0.86km, 151.78 E ± 0.44km, h32 ± 0.06km Kurile Islands (221) $m_b 4.8 / 57,$</p>					
GZH	38.2 247	+P	02 41 10.0	-0.2		MDJ	15.7 275	eP	02 54 44.7	-0.2
	PMZ	$m_b = 6.7$	1.0	1.36		PMZ	$m_b = 4.6$	1.0	0.030	
	PMZ	$m_B = 6.4$	6.0	3.90		CN2	18.8 274	eP	02 55 21.6	-2.0
	pP	02 41 24.0	5.0			PMZ	$m_b = 4.5$	1.0	0.024	
	PP	02 42 41.0	0.2			epP	02 55 27.5	-3.5		
	S	02 47 03.0	2.1			eS	02 58 45.0	-3.7		
	LN	$M_S = 6.4$	16.0	29.7	SNY	20.7 270	-P	02 55 43.2	-1.2	
	LE		15.0	21.1		PMZ	$m_b = 4.8$	1.2	0.062	
	LZ	$M_S = 5.3$	16.0	3.56	BJI	26.6 271	eP	02 56 43.0	1.5	
CD2	39.7 265	+iP	02 41 22.2	-0.3		PMZ	$m_b = 4.8$	1.0	0.024	
	PMZ	$m_b = 6.5$	0.7	0.51	TIY	30.2 269	eP	02 57 14.0	-0.4	
	PMZ	$m_B = 6.7$	5.0	6.12	XAN	34.5 266	eP	02 57 51.5	-0.5	
	sP	02 41 37.0	2.0		CD2	39.9 266	eP	02 58 37.0	-0.1	
	PP	02 42 56.0	-1.8		WMQ	44.5 292	P	02 59 15.5	0.4	
	S	02 47 27.0	3.9		<hr/> <p>DEC 13d 03h 24m 37.7 ± 0.06s, SD1.08 / 153 45.49 N ± 1.07km, 151.62 E ± 0.63km, h47 ± 0.15km Kurile Islands region (222) $M_S 5.6 / 2, m_b 5.8 / 1, m_b 4.9 / 70$</p>					
	sS	02 47 42.0	3.5		MDJ	15.6 275	eP	03 28 15.6	-0.5	
	SS	02 50 19.0	6.7			PMZ	$m_b = 5.2$	1.2	0.12	
	LN	$M_S = 6.4$	14.0	31.5	CN2	18.7 274	-P	03 28 52.1	-2.4	
	LZ	$M_S = 6.2$	15.0	28.3		PMZ	$m_b = 4.5$	1.0	0.024	
GYA	40.4 257	+iP	02 41 28.0	-0.5		epP	03 29 02.0	-1.9		
	PMZ	$m_b = 6.1$	1.2	0.39		eS	03 32 16.0	-1.4		
	PMZ	$m_B = 6.7$	5.0	5.73	SNY	20.6 270	-P	03 29 14.4	-0.8	
	pP	02 41 41.0	4.0							
	PP	02 43 06.0	0.8							
	ScP	02 47 20.0	3.0							
	sS	02 47 45.0	-4.1							
	SS	02 50 24.0	-3.8							
	LN	$M_S = 6.5$	16.0	28.4						
	LE		16.0	22.6						
	LZ	$M_S = 6.3$	16.0	38.4						
QZN	43.4 246	+iP	02 41 55.0	2.0						



Station	Time	Phase	Amplitude	Period	Velocity	Acceleration	Station	Time	Phase	Amplitude	Period	Velocity	Acceleration	
HHC	29.4 275	PMZ	$m_b = 5.2$	1.6	0.086		sS	08 15 02.5	-0.8					
		PMZ	$m_B = 5.4$	12.0	0.90		LN	$M_s = 4.9$	15.0	0.90				
		sP	08 06 11.5	-1.0			LZ	$M_s = 5.0$	20.0	2.00				
		sS	08 10 58.0	4.7			WMQ	44.4 292	P	08 08 19.0	0.2			
		LZ	$M_s = 4.1$	20.0	0.50		PMZ	$m_b = 5.1$	1.0	0.028				
		+P	08 06 11.9	0.2			PMZ	$m_B = 6.0$	4.0	0.99				
		PMZ	$m_b = 5.6$	1.2	0.15		sP	08 08 38.0	3.3					
		PMZ	$m_B = 5.9$	4.0	0.86		S	08 14 44.0	-5.0					
		PP	08 07 10.0	2.9			LN	$M_s = 5.6$	12.0	1.01				
		S	08 11 06.0	5.7			LE		12.0	3.26				
TIY	30.1 269	LN	$M_s = 5.6$	14.0	1.90		LZ	$M_s = 5.4$	16.0	4.14				
		LE		14.0	6.87		LSA	49.4 273	P	08 09 00.4	2.6			
		LZ	$M_s = 5.6$	16.0	11.3		PMZ	$m_B = 6.0$	5.0	0.91				
		+P	08 06 18.6	0.4			KSH	54.2 292	+P	08 09 34.0	-0.1			
		PMZ	$m_b = 5.2$	1.0	0.049		LN	$M_s = 5.9$	16.0	5.20				
		sS	08 11 36.0	4.7			LE		16.0	3.70				
		LE	$M_s = 5.0$	16.0	2.31		DEC 13d 08h 08m $01.6 \pm 0.06s$, SD1.14 / 129 45.42 N $\pm 1.19km$, 151.76 E $\pm 0.87km$, h35 $\pm 0.12km$ Kurile Islands region (222) $M_s 4.8 / 2$, $m_b 5.5 / 1$, $m_b 5.0 / 70$							
		LZ	$M_s = 4.9$	21.0	3.06									
		P	08 06 22.0	-0.2										
		esP	08 06 42.5	4.7										
ePP	08 07 25.0	2.6												
BTO	30.6 276	S	08 11 17.0	-1.9			MDJ	15.7 275	eP	08 11 40.0	-2.0			
		LN	$M_s = 5.6$	13.0	3.44		PMZ	$m_b = 5.3$	1.1	0.16				
		LE		15.0	5.49		pP	08 11 44.7	-4.8					
		eP	08 06 39.0	-1.5			CN2	18.8 274	-P	08 12 18.0	-2.6			
		pP	08 06 53.5	2.0			PMZ	$m_b = 5.0$	0.8	0.057				
		LN	$M_s = 5.3$	16.0	2.43		epP	08 12 25.0	-3.4					
		LE		16.0	2.59		eS	08 15 42.0	-3.4					
		LZ	$M_s = 5.0$	18.0	3.01		LN	$M_s = 4.8$	14.0	1.74				
		+P	08 06 55.1	-0.6			LE		14.0	1.26				
		LN	$M_s = 5.2$	15.0	2.17		LZ	$M_s = 4.7$	16.0	2.93				
WHN	32.7 256	LE		14.0	1.37		SNY	20.7 270	-P	08 12 40.8	-0.4			
		+iP	08 07 18.0	0.9			PMZ	$m_b = 4.9$	1.0	0.058				
		PMZ	$m_b = 6.0$	1.5	0.40		BJI	26.5 271	eP	08 13 40.0	1.6			
		PMZ	$m_B = 5.8$	5.0	0.90		PMZ	$m_b = 5.1$	1.0	0.044				
		pP	08 07 31.0	3.0			HHC	29.5 276	+P	08 14 05.3	0.4			
		eS	08 12 55.0	-3.9			PMZ	$m_b = 5.2$	1.0	0.049				
		LN	$M_s = 4.9$	12.0	0.90		TIY	30.2 269	+P	08 14 11.4	0.2			
		LZ	$M_s = 5.1$	20.0	2.90		WHN	32.7 256	eP	08 14 33.0	-0.3			
		+iP	08 07 28.2	0.7			pP	08 14 44.0	1.2					
		PMZ	$m_b = 5.8$	1.0	0.18		XAN	34.5 266	P	08 14 48.5	-0.2			
GTA	38.2 280	PMZ	$m_B = 5.8$	5.0	0.77		LZH	37.0 273	+iP	08 15 11.4	1.1			
		pP	08 07 39.2	0.7			PMZ	$m_b = 5.7$	1.5	0.18				
		S	08 13 18.0	1.5			PMZ	$m_B = 5.5$	5.0	0.40				
		ScS	08 17 37.0	5.0			pP	08 15 24.0	4.3					
		LE	$M_s = 5.6$	14.0	4.55		PP	08 16 34.5	-1.9					
		LZ	$M_s = 5.1$	14.0	2.05		eS	08 20 50.0	-3.3					
		+iP	08 07 41.3	0.5			sS	08 21 10.0	1.0					
		PMZ	$m_b = 5.6$	1.0	0.11		LE	$M_s = 4.8$	12.0	0.77				
		pP	08 07 53.0	1.1			LZ	$M_s = 4.9$	15.0	1.45				
		PP	08 09 17.0	0.5			GTA	38.3 280	+iP	08 15 21.4	0.6			
CD2	39.8 265	S	08 13 44.0	3.1			PMZ	$m_b = 5.7$	1.0	0.13				
		sS	08 14 04.0	3.2			sP	08 15 36.0	1.5					
		LN	$M_s = 5.0$	15.0	1.32		LZ	$M_s = 4.8$	16.0	1.16				
		LZ	$M_s = 5.1$	18.0	2.36		CD2	39.8 266	eP	08 15 34.0	0.2			
		+iP	08 07 41.3	0.5			PMZ	$m_b = 5.5$	1.0	0.080				
		PMZ	$m_b = 5.6$	1.0	0.11		GYA	40.5 258	P	08 15 40.0	0.5			
		pP	08 07 53.0	1.1			pP	08 15 54.0	4.9					
		PP	08 09 17.0	0.5			DEC 13d 10h 32m $04.2 \pm 0.04s$, SD1.37 / 118 7.54 N $\pm 0.61km$, 124.93 E $\pm 0.95km$, h31 $\pm 0.08km$ Mindanao (259) $M_s 4.9 / 17$, $m_b 5.5 / 6$, $m_b 4.9 / 35$							
		S	08 13 44.0	3.1										
		sS	08 14 04.0	3.2										
LN	$M_s = 5.0$	15.0	1.32											
LZ	$M_s = 5.1$	18.0	2.36											
GYA	40.5 258	+iP	08 07 47.0	0.3			QZH	18.3 341	eP	10 36 22.0	4.0			
		PMZ	$m_b = 5.1$	1.2	0.035		PMZ	$m_b = 5.6$	6.0	1.92				
		PMZ	$m_B = 6.0$	4.0	1.08		LE	$M_s = 4.9$	26.0	6.34				
		pP	08 08 00.2	2.5			QZN	18.6 309	P	10 36 22.0	0.9			
		PP	08 09 22.0	-1.4			PMZ	$m_b = 5.5$	5.5	1.34				
		S	08 13 54.0	2.7			DEC 13d 10h 32m $04.2 \pm 0.04s$, SD1.37 / 118 7.54 N $\pm 0.61km$, 124.93 E $\pm 0.95km$, h31 $\pm 0.08km$ Mindanao (259) $M_s 4.9 / 17$, $m_b 5.5 / 6$, $m_b 4.9 / 35$							
		LN	$M_s = 5.3$	16.0	2.31									
		LE		16.0	1.23									
		LZ	$M_s = 5.1$	20.0	2.81									
		+P	08 08 16.5	0.8										
KMI	44.0 259	PMZ	$m_b = 5.8$	1.6	0.24									
		pP	08 08 28.0	1.2										
		iS	08 14 50.0	5.3										

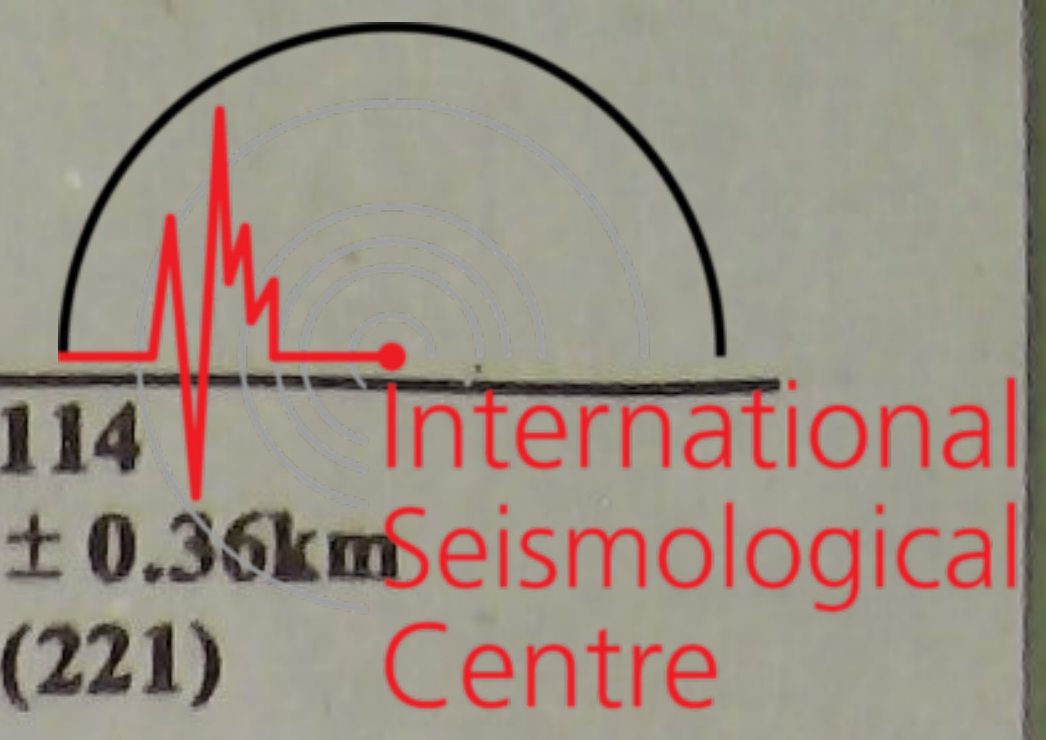
		LE		12.0	0.69	TIA	27.4	263	+P	15 50	35.9	0.2		
		LZ	$M_s=4.6$	16.0	2.05	SSE	27.5	250	-P	15 50	38.0	1.5		
SNY	20.7	270	-P	15 38	02.6	0.2			PMZ		$m_b=5.0$	1.0	0.032	
		PMZ	$m_b=4.7$		1.0	0.035			pP	15 50	50.5	3.0		
		LE	$M_s=4.5$	15.0	1.12				LZ		$M_s=4.7$	20.0	1.80	
		LZ	$M_s=4.5$	17.0	1.77			HHC	29.3	276	eP	15 50	53.6	0.5
BJI	26.6	271	eP	15 39	01.5	2.0			PMZ		$m_b=5.5$	0.9	0.089	
		PMZ	$m_b=4.9$		1.0	0.030			LN		$M_s=5.1$	13.0	0.46	
		eS		15 43	36.0	6.3			LE			15.0	2.31	
		LZ	$M_s=4.5$	16.0	1.10				LZ		$M_s=5.1$	16.0	3.56	
TIA	27.6	263	eP	15 39	09.7	0.5		TIY	30.0	270	+P	15 50	59.7	0.6
SSE	27.8	250	P	15 39	12.0	1.5			PMZ		$m_b=5.0$	1.0	0.029	
		LZ	$M_s=4.4$	20.0	0.90				LN		$M_s=4.5$	16.0	0.72	
HHC	29.5	276	P	15 39	26.0	0.0			LZ		$M_s=4.5$	23.0	1.34	
		PMZ	$m_b=5.0$		1.0	0.031		BTO	30.5	276	eP	15 51	03.0	-0.6
		LN	$M_s=4.8$	12.0	0.36				LN		$M_s=5.0$	13.0	1.06	
		LE		13.0	1.04				LE			13.0	1.28	
		LZ	$M_s=4.8$	20.0	1.99			WHN	32.4	256	+eP	15 51	20.2	-0.4
TIY	30.2	269	eP	15 39	32.0	-0.3			PMZ		$m_b=5.2$	0.7	0.025	
		S		15 44	25.0	-2.1			pP	15 51	33.0	1.3		
		LN	$M_s=4.5$	17.0	0.71			XAN	34.3	266	+P	15 51	36.4	-0.1
		LZ	$M_s=4.5$	20.0	1.00			LZH	36.8	273	+iP	15 51	59.3	1.0
XAN	34.5	266	P	15 40	09.2	-0.6			PMZ		$m_b=5.6$	1.5	0.14	
LZH	37.0	273	P	15 40	32.5	1.2			PMZ		$m_b=5.6$	5.0	0.47	
		PMZ	$m_b=5.5$		1.3	0.098			pP	15 52	11.0	1.6		
		PMZ	$m_b=5.3$		5.0	0.27			sP	15 52	17.0	2.7		
		sP		15 40	50.5	5.1			PP	15 53	25.0	1.3		
		LE	$M_s=4.5$	13.0	0.39				eS	15 57	38.0	-1.1		
		LZ	$M_s=4.5$	20.0	0.79				sS	15 57	57.0	-1.0		
GTA	38.3	280	+P	15 40	42.2	0.4			LE		$M_s=4.5$	13.0	0.39	
		PMZ	$m_b=5.5$		0.8	0.064		GTA	38.1	280	+iP	15 52	09.8	0.6
		pP		15 40	56.4	4.7			PMZ		$m_b=5.5$	1.0	0.074	
		LE	$M_s=4.7$	12.0	0.53				pP	15 52	24.4	4.0		
		LZ	$M_s=4.7$	16.0	1.04				PcP	15 54	25.0	2.0		
CD2	39.9	266	eP	15 40	55.2	0.4			LE		$M_s=4.9$	11.0	0.83	
		PMZ	$m_b=5.4$		0.6	0.038			LZ		$M_s=4.9$	14.0	1.17	
WMQ	44.6	292	eP	15 41	34.0	0.7		CD2	39.6	266	+iP	15 52	22.3	0.7
		PMZ	$m_b=5.1$		0.5	0.013			PMZ		$m_b=5.5$	0.9	0.073	
		LN	$M_s=5.2$	6.0	0.45			GYA	40.3	258	P	15 52	28.0	1.0
		LE		6.0	0.53				PMZ		$m_b=4.8$	1.0	0.016	
		LZ	$M_s=4.8$	16.0	0.89				pP	15 52	40.4	2.2		
								KMI	43.8	260	-P	15 52	57.5	1.3
									PMZ		$m_b=5.2$	1.5	0.060	
								WMQ	44.5	292	P	15 53	02.2	0.9
									PMZ		$m_b=5.6$	0.5	0.042	
									eS	15 59	35.0	2.2		
									LN		$M_s=5.4$	6.0	0.41	
									LE			6.0	0.87	
									LZ		$M_s=4.9$	16.0	1.18	
								LSA	49.2	273	P	15 53	41.0	1.9
									PMZ		$m_b=5.5$	0.8	0.050	
<p>DEC 13d 15h 44m 52.0 ± 0.09s, SD1.11 / 181 45.13 N ± 1.06km, 151.50 E ± 0.95km, h44 ± 0.34km Kurile Islands region (222) $M_s=4.8/13, m_b=5.6/1, m_b=5.1/91$</p>														
MDJ	15.5	276	eP	15 48	28.5	-1.4								
		PMZ	$m_b=5.4$		0.8	0.14								
		LN	$M_s=4.7$	16.0	1.65									
		LE		16.0	2.50									
		LZ	$M_s=4.6$	16.0	2.67									
CN2	18.6	275	-iP	15 49	06.4	-2.0								
		PMZ	$m_b=5.1$		1.0	0.10								
		PMZ			3.0	0.32								
		epP		15 49	12.5	-4.9								
		eS		15 52	29.0	-1.9								
		LN	$M_s=4.8$	14.0	1.74									
		LE		14.0	1.76									
		LZ	$M_s=4.7$	18.0	3.38									
SNY	20.5	271	+P	15 49	28.4	-0.6								
		PMZ	$m_b=5.2$		1.2	0.13								
		LN	$M_s=4.8$	14.0	1.36									
		LE		15.0	1.49									
		LZ	$M_s=4.7$	16.0	2.35									
BJI	26.4	271	eP	15 50	27.0	0.7								
		PMZ	$m_b=5.1$		1.0	0.052								
		eS		15 55	00.0	5.9								
		LZ	$M_s=4.7$	16.0	1.75									
<p>DEC 13d 17h 00m 06.1 ± 0.13s, SD1.35 / 127 45.31 N ± 1.31km, 151.85 E ± 1.08km, h53 ± 0.63km Kurile Islands region (222) $m_b=4.9/65,$</p>														
MDJ	15.8	275	-P	17 03	46.0	-0.4								
		PMZ	$m_b=5.1$		1.0	0.082								
CN2	18.9	275	-P	17 04	22.0	-2.6								
		PMZ	$m_b=4.7$		1.0	0.040								
		eS		17 07	45.0	-3.9								
		LZ	$M_s=4.2$	18.0	0.88									
SNY	20.7	270	-P	17 04	44.6	-0.2								
		PMZ	$m_b=4.7$		1.0	0.042								
		LZ	$M_s=4.2$	18.0	0.83									
BJI	26.6	271	eP	17 05	42.0	0.3								
		PMZ	$m_b=4.9$		1.0	0.030								



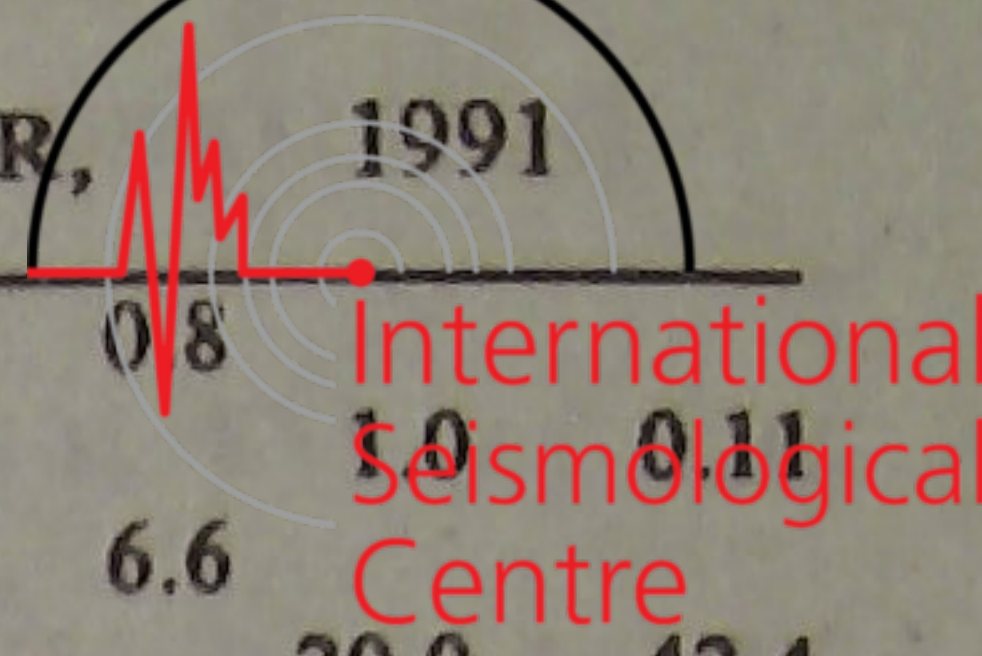
HHC	29.5	276	LZ	$M_s=4.2$	18.0	0.59	CD2	39.8	266	-iP	18 36 18.4	0.6	18.0	0.60
			PMZ	$m_b=4.3$	0.9	0.0050	WMQ	44.5	292	P	18 36 57.2	0.7		
			LZ	$M_s=4.4$	18.0	0.73				LZ	$M_s=4.7$	12.0	0.53	
TIY	30.2	270	eP	17 06 15.0	0.5		DEC 13d 18h 55m $51.6 \pm 0.03s$, SD1.33 / 78							
			LZ	$M_s=4.3$	18.0	0.61	9.87 N $\pm 0.58km$, 126.28 E $\pm 1.12km$, h83 $\pm 0.11km$							
BTO	30.7	276	eP	17 06 18.8	0.0		Mindanao (259)							
WHN	32.7	256	eP	17 06 36.5	0.3		$M_s 6.3 / 2$, $m_b 6.7 / 1$, $m_b 5.1 / 40$							
XAN	34.5	266	+P	17 06 52.5	0.6		SSE	21.6	348	-P	19 00 37.5	0.7		
LZH	37.1	273	+iP	17 07 15.0	1.5					PMZ	$m_b=5.1$	1.0	0.090	
			PMZ	$m_b=5.4$	1.4	0.091	XAN	28.8	329	+P	19 01 42.9	-1.9		
			pP	17 07 28.0	1.8					PMZ	$m_b=5.2$	0.6	0.029	
			sP	17 07 33.5	1.5		TIY	30.4	338	-P	19 01 58.2	-0.4		
			PP	17 08 39.0	-0.9					PMZ	$m_b=6.1$	0.9	0.33	
GTA	38.3	280	LZ	$M_s=4.2$	20.0	0.40				PMZ	$m_b=6.7$	6.0	7.78	
			+iP	17 07 25.2	1.1					LN	$M_s=6.5$	16.0	41.8	
			PMZ	$m_b=5.5$	0.8	0.070				LE		15.0	43.9	
			pP	17 07 37.5	0.5					LZ	$M_s=6.3$	20.0	69.9	
CD2	39.9	266	LZ	$M_s=4.5$	18.0	0.64	BJI	31.4	345	eP	19 02 07.0	0.1		
			eP	17 07 38.1	1.2					PMZ	$m_b=4.9$	1.0	0.022	
			PMZ	$m_b=5.2$	1.0	0.042	SNY	31.9	356	-P	19 02 12.4	0.6		
GYA	40.5	258	P	17 07 44.0	1.6					PMZ	$m_b=5.3$	1.0	0.053	
			PMZ	$m_b=4.5$	1.0	0.0080	LZH	33.1	326	eP	19 02 21.0	-1.3		
			pP	17 07 56.0	0.7					PMZ	$m_b=5.0$	2.0	0.053	
WMQ	44.6	292	P	17 08 16.0	0.3		HHC	33.5	340	+P	19 02 26.0	0.4		
			LZ	$M_s=4.5$	16.0	0.44				PMZ	$m_b=5.3$	1.0	0.049	
DEC 13d 18h 28m $45.4 \pm 0.03s$, SD1.22 / 105							CN2							
45.36 N $\pm 1.62km$, 151.73 E $\pm 0.79km$, h32 $\pm 0.78km$							33.8 359 eP 19 02 28.5 0.3							
Kurile Islands region (222)							BTO 33.8 337 eP 19 02 28.0 -0.5							
$M_s 4.5 / 4$, $m_b 4.9 / 49$,							MDJ 34.7 4 -P 19 02 37.2 1.1							
MDJ	15.7	275	+P	18 32 25.5	-0.3		WMQ 47.5 322 P 19 04 21.0 0.0							
			PMZ	$m_b=5.1$	0.8	0.064	DEC 13d 18h 59m $09.3 \pm 0.04s$, SD0.97 / 556							
CN2	18.8	275	eP	18 33 02.4	-2.1		45.58 N $\pm 0.87km$, 151.62 E $\pm 0.62km$, h46 $\pm 0.07km$							
			PMZ	$m_b=4.8$	1.0	0.045	Kurile Islands (221)							
			epP	18 33 07.0	-4.8		$M_s 6.6 / 61$, $m_b 6.6 / 48$, $m_b 6.0 / 146$							
			eS	18 36 26.0	-3.4		MDJ	15.6	274	-iP	19 02 48.0	0.3		
			LN	$M_s=4.3$	14.0	0.70				PMZ	$m_b=6.0$	0.9	0.60	
			LE		14.0	0.42				PMZ	$m_b=6.3$	7.0	10.6	
			LZ	$M_s=4.3$	16.0	1.17				pP	19 02 55.0	-1.4		
SNY	20.7	270	-P	18 33 25.0	-0.2					PP	19 03 01.0	1.0		
			PMZ	$m_b=4.8$	0.8	0.035				S	19 05 40.0	2.0		
			LE	$M_s=4.3$	15.0	0.75				sS	19 05 50.0	-3.0		
			LZ	$M_s=4.2$	18.0	0.89				ScP	19 11 20.5	4.0		
BJI	26.5	271	eP	18 34 24.0	1.7					LN	$M_s=6.2$	12.0	60.4	
			PMZ	$m_b=4.8$	1.0	0.021				LE		11.0	21.3	
			LZ	$M_s=4.2$	16.0	0.52	CN2	18.7	274	+P	19 03 23.5	-2.7		
SSE	27.7	250	eP	18 34 34.0	0.8					PMZ	$m_b=5.9$	1.0	0.65	
			LZ	$M_s=4.1$	20.0	0.50				PMZ	$m_b=6.4$	5.0	9.01	
HHC	29.5	276	eP	18 34 48.0	-1.0					pP	19 03 31.0	-4.4		
			PMZ	$m_b=5.1$	1.0	0.038				S	19 06 46.0	-2.5		
			LN	$M_s=4.6$	10.0	0.20				LN	$M_s=6.6$	15.0	62.3	
			LE		16.0	0.77				LE		15.0	158	
			LZ	$M_s=4.5$	18.0	1.09				LZ	$M_s=6.7$	16.0	266	
TIY	30.2	269	-P	18 34 55.8	0.6		SNY	20.6	270	+iP	19 03 45.5	-1.5		
			LZ	$M_s=4.3$	20.0	0.63				PMZ	$m_b=6.1$	1.0	1.08	
BTO	30.6	276	eP	18 35 00.6	1.1					PMZ	$m_b=6.5$	6.0	15.3	
XAN	34.5	266	P	18 35 32.6	-0.1					pP	19 03 53.0	-4.6		
LZH	37.0	273	+P	18 35 55.5	1.2					sP	19 03 59.0	-4.0		
			PMZ	$m_b=5.4$	1.5	0.10				S	19 07 28.5	-0.2		
			pP	18 36 06.5	3.4					sS	19 07 43.5	-2.6		
			sP	18 36 11.5	4.4					LN	$M_s=6.8$	14.0	96.3	
GTA	38.3	280	LZ	$M_s=4.1$	18.0	0.30				LE		15.0	175	
			P	18 36 05.6	0.7		DL2	23.1	264	+iP	19 04 12.0	-0.2		
			PMZ	$m_b=5.6$	1.0	0.10				PMZ	$m_b=6.3$	1.0	1.49	
			pP	18 36 17.6	3.7					PMZ	$m_b=6.4$	8.0	14.9	
			LE	$M_s=4.7$	15.0	0.70								



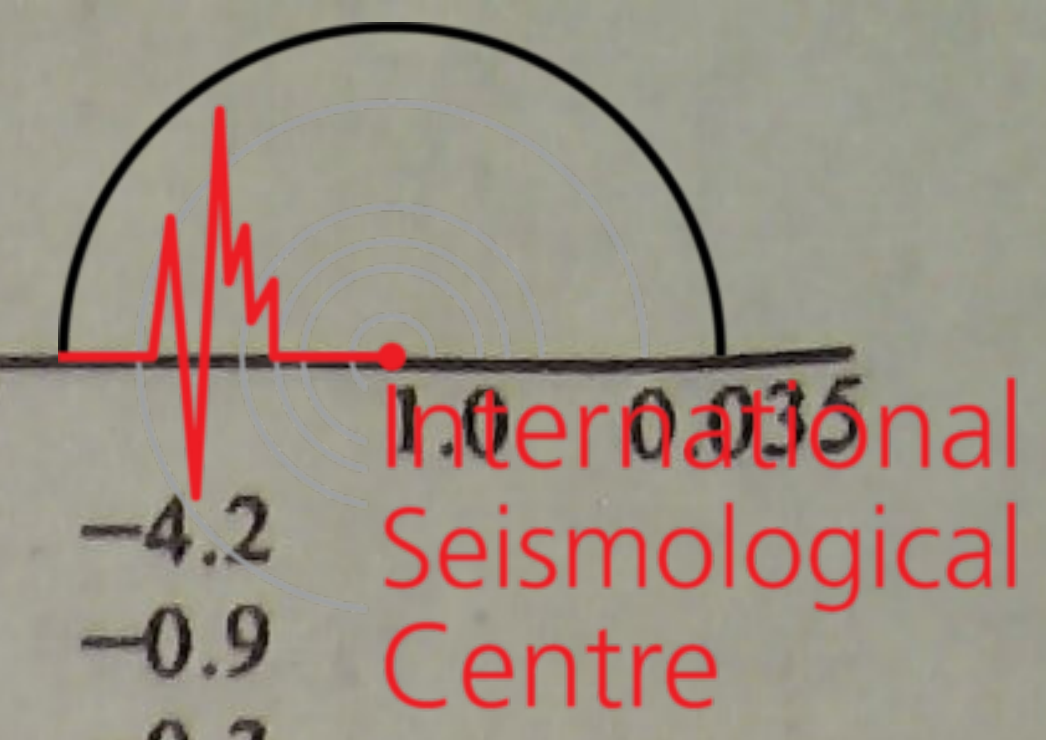
		S	19 08	22.0	6.8				S	19 11	21.0	3.8			
		LN		$M_s = 6.2$		14.0	28.9		LN		$M_s = 6.8$		15.0	83.3	
		LE				16.0	40.7		LE				14.0	41.1	
		LZ		$M_s = 5.9$		18.0	37.2	LZH	36.9	272	+iP	19 06	16.5	0.5	
BJI	26.4	271	eP	19 04	43.5	-0.6			PMZ		$m_b = 6.7$		1.5	1.98	
			PMZ		$m_b = 6.2$		1.2	0.72	PMZ		$m_B = 6.9$		5.0	10.2	
			PMZ		$m_B = 6.7$		6.0	11.6	pP	19 06	31.0	3.6			
			eS	19 09	10.0	-2.4			sP	19 06	37.0	4.5			
			LE		$M_s = 6.5$		14.0	78.7	PP	19 07	40.0	-1.7			
TIA	27.5	262	+P	19 04	53.2	-0.9			sS	19 12	14.0	-2.6			
			PMZ		$m_b = 5.8$		1.4	0.27	LN		$M_s = 6.4$		13.0	32.5	
			PMZ		$m_B = 6.6$		7.0	9.10	LZ		$M_s = 6.2$		22.0	44.7	
			sP	19 05	15.0	4.6			GTA	38.1	280	+iP	19 06	26.8	0.4
			S	19 09	33.0	3.8			PMZ		$m_b = 6.5$		1.2	0.90	
			LN		$M_s = 6.4$		15.0	37.4	PMZ		$m_B = 6.8$		6.0	9.40	
			LE				15.0	51.2	pP	19 06	39.0	1.1			
			LZ		$M_s = 6.0$		21.0	39.5	sP	19 06	47.8	4.9			
SSE	27.7	249	+iP	19 04	56.0	0.2			S	19 12	10.0	-4.7			
			PMZ		$m_b = 5.9$		1.0	0.28	sS	19 12	32.0	-3.6			
			PMZ		$m_B = 6.5$		12.0	13.5	LE		$M_s = 6.9$		14.0	98.1	
			pP	19 05	01.8	-5.2			LZ		$M_s = 6.9$		20.0	177	
			PcP	19 08	12.5	1.2			GZH	38.3	247	P	19 06	27.5	0.3
			S	19 09	32.0	-0.2			PMZ		$m_b = 6.1$		1.0	0.34	
			LZ		$M_s = 5.9$		22.0	35.3	PMZ		$m_B = 6.3$		12.0	6.02	
HHC	29.4	275	+iP	19 05	10.6	0.0			PP	19 08	01.5	3.5			
			PMZ		$m_b = 6.4$		1.0	0.72	iS	19 12	21.0	3.6			
			PMZ		$m_B = 6.7$		6.0	8.12	LN		$M_s = 6.6$		18.0	55.8	
			sP	19 05	26.0	-0.9			LE				14.0	29.0	
			PcP	19 08	15.0	-0.4			LZ		$M_s = 6.5$		18.0	63.0	
			S	19 09	59.0	0.5			CD2	39.8	265	+iP	19 06	39.8	0.1
			sS	19 10	18.0	-0.9			PMZ		$m_b = 6.6$		1.0	0.93	
			LN		$M_s = 6.8$		14.0	69.5	PMZ		$m_B = 7.0$		5.0	11.5	
			LE				15.0	101	sP	19 06	53.0	-3.4			
			LZ		$M_s = 6.4$		23.0	93.0	PP	19 08	14.0	-1.2			
TIY	30.1	269	+iP	19 05	17.2	0.2			S	19 12	43.0	3.9			
			PMZ		$m_b = 6.1$		0.9	0.33	sS	19 13	01.0	1.1			
			PMZ		$m_B = 6.7$		6.0	7.78	LN		$M_s = 6.7$		14.0	51.7	
			pP	19 05	25.5	-2.9			LZ		$M_s = 6.5$		16.0	53.5	
			S	19 10	12.0	2.0			GYA	40.5	258	+iP	19 06	45.4	-0.2
			sS	19 10	30.0	-0.5			PMZ		$m_b = 5.9$		1.0	0.18	
			LN		$M_s = 6.5$		16.0	41.8	PMZ		$m_B = 6.7$		5.0	6.79	
			LE				15.0	43.9	pP	19 06	59.0	1.9			
			LZ		$M_s = 6.3$		20.0	69.9	PP	19 08	23.0	0.6			
BTO	30.5	276	-iP	19 05	20.0	-1.1			LN		$M_s = 6.7$		17.0	56.6	
			PMZ		$m_b = 5.9$		1.2	0.24	LE				17.0	27.9	
			PMZ		$m_B = 6.6$		6.0	5.97	LZ		$M_s = 6.5$		18.0	58.8	
			pP	19 05	27.0	-5.3			QZN	43.4	246	eP	19 07	11.0	1.1
			PP	19 06	26.0	4.9			PMZ		$m_b = 5.4$		1.0	0.060	
			S	19 10	23.0	5.9			PMZ		$m_B = 6.5$		7.0	5.10	
			LN		$M_s = 6.5$		14.0	32.6	sP	19 07	25.0	-1.6			
			LE				14.0	49.6	PP	19 08	54.0	1.1			
WHN	32.6	256	+P	19 05	38.0	-1.4			S	19 13	38.5	5.1			
			PMZ		$m_b = 5.9$		1.0	0.19	sS	19 13	55.0	0.6			
			PMZ		$m_B = 6.7$		4.0	5.33	LN		$M_s = 6.7$		20.0	45.7	
			pP	19 05	51.0	0.2			LE				21.5	53.2	
			LN		$M_s = 6.6$		16.0	32.0	KMI	44.0	259	+P	19 07	15.0	0.3
			LE				18.0	78.9	PMZ		$m_b = 6.4$		1.9	1.10	
			LZ		$M_s = 5.5$		16.0	8.33	PMZ		$m_B = 6.7$		6.0	7.20	
QZH	33.6	243	+iP	19 05	47.0	-0.6			pP	19 07	28.0	1.8			
			PMZ		$m_b = 6.2$		1.5	0.63	PP	19 08	59.0	0.6			
			PMZ		$m_B = 6.8$		5.0	7.55	iS	19 13	47.0	4.0			
			S	19 11	10.0	5.3			LN		$M_s = 6.4$		16.0	21.9	
			LN		$M_s = 6.4$		16.0	30.6	LE				13.0	11.7	
			LE				16.0	36.6	LZ		$M_s = 6.5$		18.0	48.1	
			LZ		$M_s = 6.2$		18.0	45.9	WMQ	44.4	292	P	19 07	18.0	0.3
XAN	34.4	266	+P	19 05	53.6	-1.0			PMZ		$m_b = 5.5$		0.8	0.052	
			PMZ		$m_b = 5.9$		1.0	0.17	PMZ		$m_B = 6.7$		8.0	9.44	
			PMZ		$m_B = 6.6$		6.0	6.03	sP	19 07	36.5	2.1			



				DEC 13d 19h 41m 12.7 ± 0.03s, SD1.03 / 114												
				45.52 N ± 1.25km, 151.63 E ± 0.71km, h40 ± 0.35km												
				Kurile Islands (221)												
				M _S 5.9 / 1, m _b 5.0 / 62,												
LSA	49.3	273		S	19 13	52.0	4.7	MDJ	15.6	275	eP	19 44	51.5	-0.1		
				LN		M _S =6.9	14.0				PMZ		m _b =5.1	1.0	0.082	
				LE			14.0									
				LZ		M _S =6.3	20.0									
				+iP	19 07	57.8	1.1									
				PMZ		m _b =5.0	1.0	0.020								
				PMZ		m _B =7.3	6.0	26.0	CN2	18.7	274	-P	19 45	28.2	-2.0	
				PP	19 09	55.0	5.2									
				LE		M _S =6.1	15.0	10.7								
KSH	54.2	292		+P	19 08	33.0	-0.1									
				LN		M _S =7.0	12.0	43.8	SNY	20.6	270	+P	19 45	50.2	-0.8	
				LE			12.0	35.1								
				DEC 13d 19h 21m 25.8 ± 0.06s, SD1.00 / 242												
				45.39 N ± 0.89km, 151.56 E ± 0.66km, h42 ± 0.21km												
				Kurile Islands region (222)												
				M _S 6.0 / 3, m _b 5.3 / 86,												
MDJ	15.6	275		-P	19 25	03.7	-0.3									
				PMZ		m _b =5.6	0.8	0.20								
				pP	19 25	07.4	-4.9									
CN2	18.6	274		-iP	19 25	41.2	-1.4									
				PMZ		m _b =5.2	1.0	0.13								
				epP	19 25	46.5	-4.8									
				eS	19 29	05.0	-0.5									
SNY	20.5	270		+P	19 26	03.0	-0.4									
				PMZ		m _b =5.3	1.0	0.15								
BJI	26.4	271		eP	19 27	01.0	0.4									
				PMZ		m _b =5.5	1.0	0.10								
TIA	27.5	263		+P	19 27	10.2	-0.2									
SSE	27.6	249		-P	19 27	12.5	0.8									
				PMZ		m _b =4.7	1.0	0.018								
				sP	19 27	24.5	-2.4									
HHC	29.3	275		+P	19 27	27.8	0.5									
				PMZ		m _b =5.6	1.0	0.11								
TIY	30.0	269		+P	19 27	34.0	0.5									
				PMZ		m _b =5.2	1.0	0.049								
BTO	30.5	276		eP	19 27	37.2	-0.6									
WHN	32.5	256		eP	19 27	54.5	-1.0									
				PMZ		m _b =5.2	0.7	0.025								
				pP	19 28	02.5	-3.7									
XAN	34.3	266		+P	19 28	11.0	0.0									
				PMZ		m _b =5.0	0.8	0.020								
LZH	36.9	273		+iP	19 28	34.0	1.4									
				PMZ		m _b =5.9	1.5	0.31								
				pP	19 28	46.5	3.2									
				sP	19 28	53.0	5.0									
				PP	19 29	58.0	-0.2									
				LE		M _S =5.8	15.0	8.40								
				LZ		M _S =5.5	18.0	6.88								
GTA	38.1	280		+iP	19 28	44.6	1.4									
				PMZ		m _b =5.7	1.0	0.11								
				pP	19 28	55.6	1.6									
				LE		M _S =6.0	15.0	13.1								
				LZ		M _S =5.7	16.0	10.4								
CD2	39.7	266		+iP	19 28	57.0	0.9									
				PMZ		m _b =5.8	1.0	0.14								
GYA	40.4	258		P	19 29	02.4	0.6									
				PMZ		m _b =5.0	1.0	0.025								
KMI	43.9	260		-P	19 29	32.5	1.5									
				PMZ		m _b =5.4	1.5	0.080								
WMQ	44.4	292		P	19 29	35.7	0.8									
				PMZ		m _b =5.5	0.8	0.052								
				pP	19 29	46.2	0.4									
				eS	19 36	10.0	3.7									
				LN		M _S =6.0	12.0	3.54								
				LE			12.0	6.73								
				LZ		M _S =5.8	14.0	8.88								
				DEC 13d 19h 55m 08.8 ± 0.04s, SD1.00 / 501												
				45.52 N ± 0.99km, 151.22 E ± 0.63km, h48 ± 0.08km												
				Kurile Islands (221)												
				M _S 6.5 / 48, m _B 6.4 / 26, m _b 5.8 / 122												
MDJ	15.3	274		eP	19 58	43.0	-0.5									
				PMZ		m _b =6.2	1.1	1.29								
CN2	18.4	274		P	19 59	20.4	-1.8									
				PMZ		m _b =5.8	1.0	0.47								
				PMZ		m _B =6.3	5.0	7.00								
				pP	19 59	30.0	-1.7									
				eS	20 02	44.0	1.9									
				LN		M _S =6.8	15.0	189								
				LE			15.0	155								
SNY	20.3	269		+iP	19 59	42.0	-1.4									
				PMZ		m _b =6.2	1.2	1.42								
				PMZ		m _B =6.3	6.0	10.2								
				pP	19 59	50.3	-3.9									
				sP	19 59	54.7	-5.2									
				S	20 03	27.0	4.3									
				sS	20 03	41.0	1.5									
				LN		M _S =6.7	14.0	75.6								
				LE			15.0	139								
BJI	26.2	270		eP	20 00	40.5	-0.4									
				PMZ		m _b =5.7	1.0	0.19								
				PMZ		m _B =6.6	6.0	9.84								
				LE		M _S =6.6	15.0	92.8								
TIA	27.2	262		+P	20 00	50.2	-0.6									
				PMZ		m _b =6.2	2.0	1.10								
				PMZ		m _B =6.4	8.0	6.60								
				pP	20 01	04.0	1.6									
				S	20 05	30.0	6.3									



SSE	27.4 249	LN	$M_s = 6.3$	15.0	30.9	GZH	38.0 247	+P	20 02 25.0	0.8	International Seismological Centre
		LE		15.0	40.8			PMZ	$m_b = 5.7$		
		-P	20 00 52.5	0.0				S	20 08 18.0	6.6	
		PMZ	$m_b = 5.8$	1.6	0.34			LZ	$M_s = 6.3$	20.0 42.4	
		pP	20 01 02.0	-2.1				eP	20 02 36.6	0.0	
		PcP	20 04 06.0	-3.8				PMZ	$m_b = 6.2$	0.9 0.34	
		S	20 05 32.0	5.2				sP	20 02 51.0	-2.8	
HHC	29.1 275	sS	20 05 50.0	2.4		PP	20 04 11.0	-0.4			
		LZ	$M_s = 6.0$	19.0	37.8	S	20 08 38.0	4.0			
		+iP	20 01 07.0	-0.5		sS	20 08 56.0	0.6			
		PMZ	$m_b = 6.0$	1.2	0.40	LN	$M_s = 6.6$	15.0 52.2			
		PMZ	$m_B = 6.6$	4.0	4.63	LZ	$M_s = 6.3$	18.0 40.0			
		pP	20 01 20.0	1.0		+iP	20 02 42.6	0.1			
		sP	20 01 29.0	4.7		PMZ	$m_b = 5.8$	1.0 0.17			
TIY	29.8 269	LN	$M_s = 6.8$	17.0	81.5	PMZ	$m_B = 6.7$	4.0 4.77			
		LE		15.0	113	pP	20 02 57.0	2.6			
		LZ	$M_s = 6.6$	20.0	127	sP	20 03 05.0	5.4			
		+iP	20 01 14.2	0.4		PP	20 04 21.0	2.2			
		PMZ	$m_b = 6.0$	1.4	0.43	S	20 08 38.0	-6.4			
		PMZ	$m_B = 6.4$	10.0	6.41	LN	$M_s = 6.6$	17.0 48.8			
		LN	$M_s = 6.3$	15.0	25.0	LE		17.0 36.2			
BTO	30.3 275	LE		15.0	35.6	LZ	$M_s = 6.6$	20.0 80.0			
		LZ	$M_s = 6.1$	20.0	43.8	P	20 03 10.6	3.7			
		P	20 01 17.5	-0.5		LN	$M_s = 6.6$	17.0 26.7			
		PMZ	$m_b = 5.8$	1.2	0.21	LE		18.0 44.1			
		PMZ	$m_B = 6.3$	6.0	3.25	+P	20 03 12.0	0.4			
		pP	20 01 24.5	-5.1		PMZ	$m_b = 6.3$	1.9 0.80			
		PP	20 02 22.0	5.1		PMZ		3.0 4.10			
WHN	32.3 255	LN	$M_s = 6.6$	15.0	67.6	pP	20 03 25.5	2.0			
		LE		15.0	41.6	S	20 09 36.0	-0.5			
		eP	20 01 35.0	-1.2		sS	20 09 59.0	0.9			
		PMZ	$m_b = 5.9$	1.0	0.19	LN	$M_s = 6.4$	17.0 22.1			
		PMZ	$m_B = 6.2$	9.0	3.61	LE		13.0 11.3			
		pP	20 01 48.0	0.1		LZ	$M_s = 6.5$	16.0 43.3			
		LN	$M_s = 6.5$	14.0	21.2	P	20 03 15.4	0.3			
QZH	33.3 243	LE		16.0	53.9	PMZ	$m_b = 5.7$	0.6 0.070			
		P	20 01 45.0	0.5		PMZ	$m_B = 6.6$	6.0 5.42			
		PMZ	$m_b = 6.1$	1.5	0.46	pP	20 03 23.3	-3.8			
		PMZ	$m_B = 6.8$	4.0	5.77	S	20 09 44.0	1.1			
		pP	20 01 58.0	1.6		sS	20 10 08.0	3.5			
		S	20 07 05.0	5.4		LN	$M_s = 6.8$	12.0 24.5			
		sS	20 07 22.0	1.2		LE		14.0 55.2			
XAN	34.1 265	LN	$M_s = 6.4$	16.0	24.5	LZ	$M_s = 6.4$	20.0 43.2			
		LE		16.0	33.0	P	20 03 55.0	1.1			
		LZ	$M_s = 6.2$	18.0	38.1	PP	20 05 52.0	5.6			
		+P	20 01 50.5	-1.0		LN	$M_s = 6.1$	15.0 9.30			
		PMZ	$m_b = 5.8$	0.5	0.070	P	20 04 30.0	-0.6			
		LN	$M_s = 6.5$	14.0	42.9	LN	$M_s = 6.9$	13.0 42.1			
		LE		14.0	27.7	LE		13.0 27.9			
LZH	36.6 272	+iP	20 02 14.0	1.0		DEC 13d 19h 58m $20.9 \pm 0.04s$, SD0.96 / 301 $45.50 N \pm 0.96km$, $151.38 E \pm 0.67km$, $h44 \pm 0.09km$ Kurile Islands (221) $M_s 6.4 / 19$, $m_B 6.4 / 12$, $m_b 6.1 / 86$					
		PMZ	$m_b = 6.7$	1.5	1.96	MDJ	15.4 275	eP	20 01 53.0	-4.3	
		PMZ	$m_B = 6.6$	10.0	10.4			PMZ	$m_b = 6.3$	1.3 1.94	
		pP	20 02 25.5	0.8		CN2	18.5 274	-iP	20 02 34.3	-1.6	
		sP	20 02 30.0	0.1				PMZ	$m_b = 5.8$	1.0 0.45	
		PP	20 03 39.0	1.5				PMZ	$m_B = 6.3$	4.0 5.93	
		iS	20 07 50.0	-2.0				epP	20 02 44.0	-0.8	
GTA	37.9 279	sS	20 08 10.0	-2.0			eS	20 05 57.0	-0.3		
		LE	$M_s = 6.5$	15.0	42.8			LN	$M_s = 6.5$	15.0 94.0	
		LZ	$M_s = 6.4$	22.0	68.5			LE		15.0 95.0	
		+iP	20 02 24.0	0.5				+iP	20 02 55.0	-2.0	
		PMZ	$m_b = 6.1$	1.0	0.28			PMZ	$m_b = 6.4$	1.4 2.47	
		PMZ	$m_B = 6.6$	6.0	6.10			PMZ	$m_B = 6.2$	6.0 8.19	
		pP	20 02 37.0	1.7				S	20 06 40.0	2.4	
SNY	20.4 270	PcS	20 08 25.0	-1.0			LN	$M_s = 6.4$	14.0 65.2		
		S	20 08 14.5	4.7							
		sS	20 08 32.0	0.8							
LE	$M_s = 6.8$	12.5	72.3								
LZ	$M_s = 6.7$	10.0	57.8								

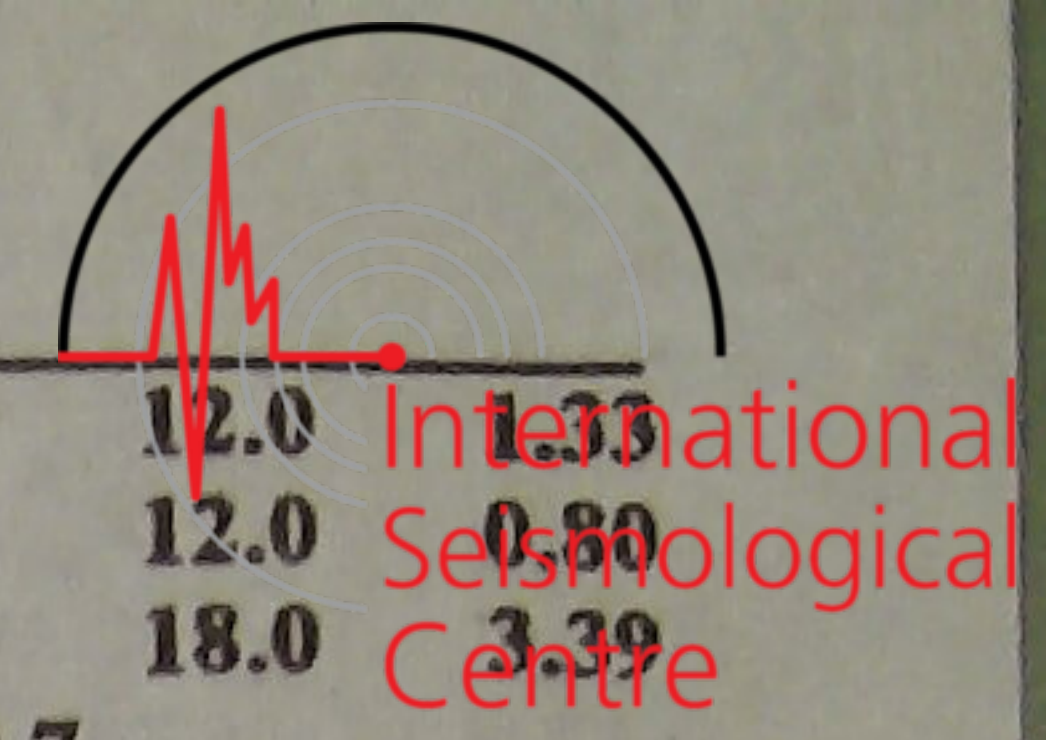


DL2	22.9 264	LE		16.0	57.7			PMZ	$m_b = 4.7$				
		P	20 03 22.5	0.2				epP	20 44 02.5	-4.2			
		PMZ		$m_b = 6.4$	1.0	1.58		eS	20 47 20.0	-0.9			
BJI	26.3 271	eP	20 03 54.0	-0.3			SNY	20.5 270	-P	20 44 18.4	-0.3		
		PMZ		$m_b = 6.2$	1.5	0.79		PMZ		$m_b = 4.9$		1.2	0.075
		PMZ		$m_b = 6.4$	8.0	7.30	BJI	26.4 271	eP	20 45 17.0	0.9		
		LE		$M_s = 6.4$	15.0	64.4		PMZ		$m_b = 4.9$		1.0	0.030
TIA	27.3 262	eP	20 04 04.3	0.1			TIA	27.4 263	cP	20 45 25.4	-0.1		
HHC	29.2 275	+iP	20 04 21.0	0.1			SSE	27.5 250	P	20 45 28.0	1.6		
		PMZ		$m_b = 6.2$	1.4	0.70		PMZ		$m_b = 4.5$		1.0	0.011
		LN		$M_s = 6.7$	13.0	26.2		pP	20 45 37.5	0.6			
		LE			15.0	87.0	HHC	29.3 276	P	20 45 43.0	0.2		
TIY	29.9 269	+iP	20 04 27.6	0.3				PMZ		$m_b = 5.1$		0.8	0.031
		PMZ		$m_b = 6.0$	1.2	0.32	TIY	30.0 269	-P	20 45 49.6	0.7		
		PMZ		$m_b = 6.2$	7.0	3.27	WHN	32.5 256	cP	20 46 10.0	-0.5		
XAN	34.2 266	P	20 05 04.7	-0.2			XAN	34.3 266	P	20 46 26.0	-0.3		
		PMZ		$m_b = 5.8$	1.4	0.20	LZH	36.8 273	+iP	20 46 49.5	1.4		
		PMZ		$m_b = 6.6$	6.0	6.03		PMZ		$m_b = 5.5$		1.2	0.091
		S	20 10 32.0	5.5			GTA	38.1 280	+P	20 46 59.0	0.1		
		LN		$M_s = 6.5$	14.0	41.8		PMZ		$m_b = 5.0$		1.0	0.027
		LE			14.0	19.5		sP	20 47 17.0	2.8			
LZH	36.7 272	+iP	20 05 26.5	0.1			CD2	39.6 266	+iP	20 47 12.2	0.8		
		PMZ		$m_b = 6.7$	2.0	2.57		PMZ		$m_b = 5.5$		0.8	0.059
		PMZ		$m_b = 6.5$	7.0	5.34	GYA	40.3 258	P	20 47 17.8	0.9		
		pP	20 05 38.0	0.6				PMZ		$m_b = 4.6$		1.0	0.0090
		sP	20 05 45.0	2.7				pP	20 47 29.0	1.5			
		PP	20 06 50.0	-1.4			WMQ	44.5 292	P	20 47 51.4	0.5		
		sS	20 11 25.0	-0.3				PMZ		$m_b = 5.0$		1.0	0.021
		LE		$M_s = 6.2$	14.0	21.4		pP	20 48 01.5	-0.2			
		LZ		$M_s = 6.4$	20.0	59.2		LN		$M_s = 5.7$		12.0	1.77
GTA	38.0 280	P	20 05 37.8	0.9				LE				12.0	3.20
		PMZ		$m_b = 6.0$	1.0	0.26		LZ		$M_s = 5.4$		20.0	4.24
		PMZ		$m_b = 6.4$	4.5	3.11							
		LE		$M_s = 6.5$	12.0	30.9							
		LZ		$M_s = 6.2$	14.0	23.4							
GZH	38.1 247	+iP	20 05 38.0	0.6									
		PMZ		$m_b = 6.0$	1.2	0.27							
		pP	20 05 50.0	1.3									
		LN		$M_s = 6.5$	17.0	40.7							
		LE			16.0	12.8							
		LZ		$M_s = 6.3$	18.0	46.0							
CD2	39.6 265	eP	20 05 50.4	0.4									
		PMZ		$m_b = 6.4$	1.0	0.55							
		S	20 11 51.2	2.8									
GYA	40.3 257	+iP	20 05 55.6	-0.2									
		PMZ		$m_b = 5.8$	1.0	0.14							
		PMZ			3.0	1.54							
		LN		$M_s = 6.5$	17.0	45.3							
		LE			17.0	14.7							
		LZ		$M_s = 6.2$	18.0	32.3							
KMI	43.8 259	+P	20 06 26.5	1.5									
		PMZ		$m_b = 6.4$	1.9	1.10							
		pP	20 06 33.5	-2.6									
WMQ	44.3 292	P	20 06 30.0	1.5									
		PMZ		$m_b = 5.9$	1.0	0.16							
		PMZ		$m_b = 6.6$	6.0	4.97							
		pP	20 06 41.0	1.2									
		LN		$M_s = 6.7$	14.0	28.6							
		LE			14.0	35.2							
		LZ		$M_s = 6.4$	20.0	46.3							
<p>DEC 13d 20h 39m $41.4 \pm 0.09s$, SD1.13 / 151 $45.19 N \pm 1.03km$, $151.51 E \pm 0.94km$, $h41 \pm 0.31km$ Kurile Islands region (222) $M_s 5.7 / 1$, $m_b 4.9 / 72$,</p>													
MDJ	15.5 276	eP	20 43 19.7	0.2									
		PMZ		$m_b = 5.1$	1.0	0.082							
CN2	18.6 275	-P	20 43 56.2	-1.9									
<p>DEC 13d 20h 40m $26.0 \pm 0.24s$, SD0.69 / 44 $46.21 N \pm 2.45km$, $151.12 E \pm 1.57km$, $h30 \pm 0.72km$ Kurile Islands (221) $m_b 5.0 / 36$,</p>													
CN2	18.3 272	eP	20 44 38.6	-0.9									
		PMZ		$m_b = 4.7$								1.0	0.036
		epP	20 44 46.5	-0.1									
		eS	20 48 02.0	2.3									
SNY	20.2 267	-P	20 45 00.8	-1.0									
		PMZ		$m_b = 4.8$								1.0	0.044
BJI	26.1 269	eP	20 46 00.0	0.7									
		PMZ		$m_b = 4.6$								1.0	0.015
HHC	29.0 274	P	20 46 25.6	0.2									
		PMZ		$m_b = 5.1$								1.0	0.038
TIY	29.8 267	+P	20 46 31.6	-0.9									
LZH	36.5 271	+iP	20 47 31.5	0.1									
		PMZ		$m_b = 5.4$								1.5	0.099
		sP	20 47 44.0	0.4									
<p>DEC 13d 21h 06m $10.9 \pm 0.12s$, SD0.97 / 115 $45.36 N \pm 0.99km$, $151.50 E \pm 1.01km$, $h46 \pm 0.54km$ Kurile Islands region (222) $M_s 5.2 / 2$, $m_b 5.0 / 55$,</p>													
CN2	18.6 275	eP	21 10 24.4	-2.6									
		PMZ		$m_b = 4.7$								1.0	0.042
SNY	20.5 270	-P	21 10 47.0	-0.8									
		PMZ		$m_b = 4.7$								1.2	0.050
BJI	26.4 271	eP	21 11 46.0	0.9									
		PMZ		$m_b = 5.0$								1.0	0.037
		LE		$M_s = 5.0$								15.0	2.48
TIA	27.4 263	+P	21 11 51.5	-3.3									
SSE	27.6 249	P	21 11 57.0	1.0									
		PMZ		$m_b = 4.8$								0.7	0.015
		pP	21 12 07.5	0.3									
HHC	29.3 276	-P	21 12 12.4	0.7									



M _S 5.5/2, m _B 5.9/3, m _b 5.4/42							M _S 5.4/56, m _B 5.8/20, m _b 5.6/108									
SSE	84.1	311	+P	06 49 03.0	-2.0		DL2	22.8	264	+P	10 22 00.0	0.2				
			eSKS	06 59 16.0	-2.0					PMZ	m _b =5.6		1.4	0.43		
			LZ	M _S =4.9		20.0	0.50			sP	10 22 14.0	-1.7				
GZH	84.7	300	P	06 49 09.5	1.7					LN	M _S =4.8		12.0	1.68		
WHN	88.4	307	eP	06 49 26.0	0.2			BJI	26.2	271	+eP	10 22 32.5	0.2			
			sP	06 49 48.5	1.4					PMZ	m _b =5.6		1.2	0.18		
			LZ	M _S =5.4		16.0	1.19			PMZ	m _B =5.7		5.0	0.87		
MDJ	88.6	325	eP	06 49 26.8	-0.2					epP	10 22 46.0	2.8				
			PMZ	m _b =5.7		1.2	0.074			LN	M _S =5.6		12.0	7.62		
SNY	89.8	320	+P	06 49 32.2	-0.3					LZ	M _S =5.4		16.0	8.18		
			PMZ	m _b =5.4		1.2	0.037	TIA	27.3	263	eP	10 22 41.3	-0.5			
TIA	90.0	313	eP	06 49 33.5	0.0					PMZ	m _b =5.3		1.6	0.10		
CN2	90.1	323	P	06 49 32.8	-1.4					pP	10 22 56.0	3.2				
			PMZ	m _b =5.7		1.0	0.056			LE	M _S =5.1		12.0	2.54		
			PMZ	m _B =5.9		4.0	0.36			LZ	M _S =4.8		22.0	3.03		
			pP	06 49 50.0	0.6			SSE	27.4	249	+P	10 22 44.0	1.2			
			eS	07 00 22.0	1.1					PMZ	m _b =5.8		1.5	0.32		
			LZ	M _S =5.4		18.0	1.42			PMZ			3.0	0.85		
GYA	91.6	300	+iP	06 49 42.0	0.9					sP	10 22 58.0	-0.8				
			PMZ	m _b =5.0		1.2	0.011			sS	10 27 39.0	2.1				
			sP	06 50 02.0	-0.2					LN	M _S =5.2		16.0	1.50		
			PP	06 53 22.0	1.7					LE			16.0	3.70		
			S	07 00 34.0	2.1					LZ	M _S =5.4		19.0	8.60		
			LZ	M _S =5.0		28.0	0.76	HHC	29.2	276	+iP	10 23 00.0	0.9			
BJI	92.9	315	eP	06 49 47.5	0.4					PMZ	m _b =6.1		1.2	0.43		
			PMZ	m _b =5.2		0.9	0.011			sP	10 23 18.0	2.9				
			PMZ	m _B =6.0		5.0	0.44			S	10 27 44.5	-1.3				
			LZ	M _S =5.3		25.0	1.31			sS	10 28 02.0	-3.9				
KMI	93.9	297	-P	06 49 53.5	1.9					LN	M _S =5.6		12.0	4.13		
			PMZ	m _b =5.7		2.5	0.10			LE			13.0	5.18		
TIY	93.9	312	eP	06 49 51.0	-0.5					LZ	M _S =5.7		16.0	15.4		
			LN	M _S =5.7		16.0	0.72	TIY	29.9	269	+iP	10 23 05.4	0.3			
			LE			16.0	1.03			PMZ	m _b =5.4		1.0	0.070		
			LZ	M _S =5.5		18.0	1.46			PMZ	m _B =5.5		6.0	0.50		
XAN	94.1	307	eP	06 49 53.5	0.9					LN	M _S =5.1		14.0	2.30		
HHC	96.3	314	eP	06 50 02.2	-0.1					LZ	M _S =5.2		18.0	4.50		
GTA	103.2	308	eP	06 50 32.0	-1.5			BTO	30.4	276	-iP	10 23 10.0	0.4			
DEC 15d 10h 16m 59.3±0.06s, SD1.12/363											PMZ	m _b =5.5		1.4	0.12	
45.21 N±1.09km, 151.32 E±0.80km, h45±0.18km											PMZ	m _B =5.7		5.0	0.73	
Kurile Islands region (222)											pP	10 23 15.5	-5.2			
M _S 5.4/56, m _B 5.8/20, m _b 5.6/108											PP	10 24 13.0	4.1			
MDJ	15.4	276	-P	10 20 34.3	-1.0					S	10 28 11.5	7.0				
			PMZ	m _b =6.2		1.1	1.15			LN	M _S =5.6		15.0	4.56		
			sP	10 20 47.0	-2.7					LE			15.0	7.08		
			PP	10 20 48.0	0.5				WHN	32.3	256	+P	10 23 26.0	-0.9		
			S	10 23 28.0	4.1					PMZ	m _b =5.3		1.0	0.046		
			SS	10 23 48.0	5.7					PMZ	m _B =5.8		4.0	0.59		
			LN	M _S =5.4		12.0	7.92			pP	10 23 39.5	1.5				
			LE			12.0	7.01			LN	M _S =5.4		16.0	1.94		
			LZ	M _S =5.3		16.0	12.9			LE			16.0	4.74		
CN2	18.5	275	+P	10 21 12.0	-2.0					LZ	M _S =5.3		16.0	5.36		
			PMZ	m _b =5.4		1.0	0.22			eP	10 23 36.0	1.4				
			PMZ	m _B =5.4		5.0	1.04			sP	10 23 51.0	0.3				
			epP	10 21 20.0	-3.1					LN	M _S =5.3		15.0	1.90		
			sP	10 21 25.0	-3.7					LE			15.0	2.63		
			LN	M _S =5.5		12.0	6.04			LZ	M _S =5.0		16.0	2.37		
			LE			12.0	8.82		XAN	34.1	266	+P	10 23 42.5	-0.1		
			LZ	M _S =5.6		14.0	17.8			LN	M _S =5.4		16.0	2.97		
SNY	20.4	270	+iP	10 21 34.0	-0.8					LE			16.0	2.98		
			PMZ	m _b =5.8		1.4	0.64			LZH	36.7	273	+iP	10 24 05.5	1.1	
			PMZ	m _B =5.7		5.0	2.11			PMZ	m _b =6.0		1.5	0.41		
			sP	10 21 47.5	-3.0					PMZ	m _B =5.9		5.0	1.01		
			PP	10 22 00.0	4.6					pP	10 24 18.0	2.4				
			LN	M _S =5.4		12.0	7.23			sP	10 24 24.0	3.5				
			LE			11.0	2.97			PP	10 25 30.0	0.7				
			LZ	M _S =5.2		20.0	10.4			eS	10 29 42.0	-2.3				
										sS	10 30 02.0	-1.3				

GZH	37.9 247	SS	10 32 06.0	-5.9				S	13 04 49.5	-5.8		
		LN		$M_s=5.3$	12.0	2.32		SMN		$M_L=3.6$	0.8	0.099
		LZ		$M_s=5.3$	20.0	4.54	SSE	7.4 344	P	13 04 41.0	0.0	
		-iP	10 24 16.5	2.1			LZ		$M_s=3.3$		20.0	0.40
		PMZ		$m_b=5.5$	1.0	0.079	BJI	17.1 340	eP	13 06 53.0		2.4
		LN		$M_s=5.5$	14.0	1.65	CN2	19.8 4	eP	13 07 21.0		-0.6
		LE			16.0	3.88	BTO	20.1 329	eP	13 07 25.0		0.5
		LZ		$M_s=5.3$	18.0	4.24	LZH	20.8 310	eP	13 07 31.0		-1.5
		+iP	10 24 16.4	1.2			PMZ		$m_b=4.2$		2.0	0.028
		PMZ		$m_b=6.1$	1.0	0.30	GTA	25.3 313	eP	13 08 15.0		-0.7
GTA	38.0 280	PMZ		$m_b=5.9$	5.0	0.96	sP	13 08 35.4		-3.9		
		pP	10 24 28.0	1.5								
		PP	10 25 49.0	4.1								
		PcP	10 26 32.0	2.2								
		S	10 30 06.4	3.7								
		ScS	10 34 25.0	5.0								
		LE		$M_s=5.6$	12.0	3.82						
		LZ		$M_s=5.6$	12.0	5.44						
		+iP	10 24 28.6	0.9								
		PMZ		$m_b=5.9$	1.0	0.20						
CD2	39.5 266	pP	10 24 40.5	1.4								
		S	10 30 28.5	2.9								
		sS	10 30 44.6	-1.5								
		LN		$M_s=5.4$	15.0	3.30						
		LZ		$M_s=5.2$	17.0	3.10						
		+iP	10 24 33.8	0.6								
		PMZ		$m_b=5.3$	1.0	0.049						
		PMZ		$m_b=6.0$	4.0	0.87						
		pP	10 24 48.0	3.4								
		PP	10 26 10.0	0.4								
GYA	40.2 258	S	10 30 38.0	2.6								
		LN		$M_s=5.5$	15.0	2.92						
		LE			15.0	2.60						
		LZ		$M_s=5.4$	18.0	5.00						
		P	10 25 02.0	4.8								
		LN		$M_s=5.5$	19.0	3.44						
		LE			18.0	2.94						
		+P	10 25 03.0	0.5								
		PMZ		$m_b=5.8$	1.5	0.20						
		PMZ		$m_b=5.8$	4.0	0.60						
QZN	43.1 247	pP	10 25 18.5	4.7								
		iS	10 31 33.0	3.9								
		ScS	10 34 57.0	2.9								
		LN		$M_s=5.3$	15.0	1.60						
		LE			15.0	1.10						
		LZ		$M_s=5.3$	18.0	3.10						
		P	10 25 08.0	0.7								
		PMZ		$m_b=5.6$	1.0	0.087						
		PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
KMI	43.7 260	LN		$M_s=5.7$	12.0	3.28						
		LE			12.0	2.15						
		LZ		$M_s=5.6$	14.0	5.18						
		-iP	10 25 47.4	2.1								
		pP	10 25 59.9	3.5								
		LN		$M_s=5.9$	12.0	4.90						
		+iP	10 26 24.0	1.3								
		PMZ		$m_b=6.4$	4.0	1.90						
		PcP	10 27 28.0	2.1								
		eS	10 34 00.0	5.4								
WMQ	44.3 292	LN		$M_s=5.8$	12.0	1.50						
		LE			12.0	3.50						
		P	10 25 08.0	0.7								
		PMZ		$m_b=5.6$	1.0	0.087						
		PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
		LN		$M_s=5.7$	12.0	3.28						
		LE			12.0	2.15						
		LZ		$M_s=5.6$	14.0	5.18						
		-iP	10 25 47.4	2.1								
LSA	49.1 273	pP	10 25 59.9	3.5								
		LN		$M_s=5.9$	12.0	4.90						
		+iP	10 26 24.0	1.3								
		PMZ		$m_b=6.4$	4.0	1.90						
		PcP	10 27 28.0	2.1								
		eS	10 34 00.0	5.4								
		LN		$M_s=5.8$	12.0	1.50						
		LE			12.0	3.50						
		P	10 25 08.0	0.7								
		PMZ		$m_b=5.6$	1.0	0.087						
KSH	54.1 292	PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
		LN		$M_s=5.7$	12.0	3.28						
		LE			12.0	2.15						
		LZ		$M_s=5.6$	14.0	5.18						
		-iP	10 25 47.4	2.1								
		pP	10 25 59.9	3.5								
		LN		$M_s=5.9$	12.0	4.90						
		+iP	10 26 24.0	1.3								
		PMZ		$m_b=6.4$	4.0	1.90						
QZH	4.6 283	PcP	10 27 28.0	2.1								
		eS	10 34 00.0	5.4								
		LN		$M_s=5.8$	12.0	1.50						
		LE			12.0	3.50						
		P	10 25 08.0	0.7								
		PMZ		$m_b=5.6$	1.0	0.087						
		PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
		LN		$M_s=5.7$	12.0	3.28						
		LE			12.0	2.15						
GZH	37.9 247	LZ		$M_s=5.6$	12.0	5.44						
		+iP	10 24 28.6	0.9								
		PMZ		$m_b=5.9$	1.0	0.20						
		pP	10 24 40.5	1.4								
		S	10 30 28.5	2.9								
		sS	10 30 44.6	-1.5								
		LN		$M_s=5.4$	15.0	3.30						
		LZ		$M_s=5.2$	17.0	3.10						
		+iP	10 24 33.8	0.6								
		PMZ		$m_b=5.3$	1.0	0.049						
QZN	43.1 247	PMZ		$m_b=6.0$	4.0	0.87						
		pP	10 24 48.0	3.4								
		PP	10 26 10.0	0.4								
		S	10 30 38.0	2.6								
		LN		$M_s=5.5$	15.0	2.92						
		LE			15.0	2.60						
		LZ		$M_s=5.4$	18.0	5.00						
		P	10 25 02.0	4.8								
		LN		$M_s=5.5$	19.0	3.44						
		LE			18.0	2.94						
KMI	43.7 260	+P	10 25 03.0	0.5								
		PMZ		$m_b=5.8$	1.5	0.20						
		PMZ		$m_b=5.8$	4.0	0.60						
		pP	10 25 18.5	4.7								
		iS	10 31 33.0	3.9								
		ScS	10 34 57.0	2.9								
		LN		$M_s=5.3$	15.0	1.60						
		LE			15.0	1.10						
		LZ		$M_s=5.3$	18.0	3.10						
		P	10 25 08.0	0.7								
WMQ	44.3 292	PMZ		$m_b=5.6$	1.0	0.087						
		PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
		LN		$M_s=5.7$	12.0	3.28						
		LE			12.0	2.15						
		LZ		$M_s=5.6$	14.0	5.18						
		-iP	10 25 47.4	2.1								
		pP	10 25 59.9	3.5								
		LN		$M_s=5.9$	12.0	4.90						
		+iP	10 26 24.0	1.3								
KSH	54.1 292	PMZ		$m_b=6.4$	4.0	1.90						
		PcP	10 27 28.0	2.1								
		eS	10 34 00.0	5.4								
		LN		$M_s=5.8$	12.0	1.50						
		LE			12.0	3.50						
		P	10 25 08.0	0.7								
		PMZ		$m_b=5.6$	1.0	0.087						
		PMZ		$m_b=6.0$	4.0	0.98						
		S	10 31 39.5	2.9								
		LN		$M_s=5.7$	12.0	3.28						
QZH	4.6 283	LE			12.0	2.15						
		LZ		M								



m _b 5.8/3, m _b 5.6/73,																		
WMQ	147.9	31	PKP	19 15 37.5	1.0			DL2	23.3	265	eP	21 52 06.0	0.7					
			PKP2	19 15 41.5	-1.6						LZ	M _g =4.8	18.0					
			pPKP	19 16 06.0	2.2						PMZ	m _b =4.9	1.0	0.049				
			sPKP	19 16 10.0	-5.2						eS	21 56 16.0	5.6					
			PPMZ			m _b =5.8	8.0	0.53			LN	M _g =4.4	11.0	0.60				
			LZ				20.0	0.48			LZ	M _g =4.2	18.0	0.67				
MDJ	148.2	332	ePKP	19 15 39.0	2.1				BJI	26.7	271	eP	21 52 37.5	0.2				
CN2	150.5	336	PKP	19 15 45.0	4.3						PMZ	m _b =5.0	1.0	0.038				
			pPKP	19 16 12.0	3.9						PMZ	m _B =5.6	4.0	0.62				
			PP	19 19 19.0	-5.9						LE	M _g =4.8	16.0	1.47				
			PPMZ			m _b =5.8	4.0	0.31			LZ	M _g =4.9	16.0	2.34				
SNY	152.9	337	ePKP	19 15 46.5	2.4				TIA	27.8	263	eP	21 52 46.6	-0.3				
DL2	156.2	336	PKP	19 15 50.0	1.5						eS	21 57 28.0	3.9					
GTA	156.5	19	PKP	19 15 50.4	1.3						LE	M _g =4.6	14.0	0.88				
			PKP2	19 16 19.9	0.5						LZ	M _g =4.7	22.0	1.91				
			SKKS	19 26 30.0	-5.0				SSE	27.9	250	P	21 52 49.0	0.9				
			LZ				60.0	3.49			LE	M _g =4.9	17.0	1.80				
HHC	156.6	356	ePKP	19 15 50.0	0.8						LZ	M _g =4.5	22.0	1.40				
BJI	156.8	347	ePKP	19 15 51.0	1.7				TIY	30.3	269	+P	21 53 10.0	0.0				
			LZ				28.0	1.04			PMZ	m _b =5.0	1.0	0.029				
BTO	156.9	359	ePKP	19 15 53.0	3.4						LN	M _g =4.9	21.0	1.58				
			pPKP	19 16 20.0	3.1						LE		20.0	1.22				
			sPKP	19 16 32.0	3.6						LZ	M _g =4.7	22.0	1.83				
			eSKKS	19 26 40.0	2.6				BTO	30.8	276	P	21 53 14.0	-0.3				
LSA	159.2	51	PKP	19 15 55.0	2.2						pP	21 53 21.0	-5.2					
TIY	159.7	354	-PKP	19 15 53.5	0.6						ePP	21 54 20.0	4.5					
			sPKP	19 16 32.5	0.8						LN	M _g =5.0	14.0	0.99				
TIA	160.2	342	ePKP	19 15 54.6	1.2						LE		17.0	2.00				
			sPKP	19 16 32.5	0.3				WHN	32.8	256	eP	21 53 31.6	-0.3				
LZH	160.8	14	ePKP	19 15 54.0	-0.1						pP	21 53 46.0	1.9					
			sPKP	19 16 38.0	5.2						LE	M _g =5.0	20.0	2.46				
			ePP	19 20 21.5	0.3				XAN	34.6	266	eP	21 53 47.5	0.1				
			PPMZ			m _B =5.5	10.0	0.53			LZH	37.2	273	+iP	21 54 09.5	0.5		
			SKKS	19 27 00.0	2.6						PMZ	m _b =5.7	1.5	0.20				
			SS	19 40 25.0	2.6						PMZ	m _B =5.5	5.0	0.40				
			LE				25.0	1.70			pP	21 54 23.0	1.9					
			LZ				38.0	1.88			sP	21 54 27.0	0.5					
XAN	163.5	2	ePKP	19 15 58.0	1.3						ePP	21 55 34.0	-1.7					
CD2	165.6	21	ePKP	19 16 00.6	1.8						eS	21 59 46.0	-5.5					
			ePP	19 20 43.0	-3.5						sS	22 00 07.0	-5.3					
			SKKS	19 27 25.0	3.3						LN	M _g =4.8	14.0	0.82				
KMI	170.0	39	-PKP	19 16 05.0	3.1						LZ	M _g =4.8	18.0	1.47				
GYA	170.6	17	-iPKP	19 16 04.0	1.9				GTA	38.4	280	+iP	21 54 20.1	0.6				
			PKP2	19 17 24.0	3.1						PMZ	m _b =5.8	1.0	0.17				
			PP	19 21 10.0	-1.8						PMZ	m _B =5.6	4.0	0.39				
			SKKS	19 27 50.0	3.1						pP	21 54 33.0	1.3					
			SS	19 42 00.0	-2.5						LN	M _g =4.9	13.0	0.94				
											LZ	M _g =5.0	16.0	1.74				
DEC 15d 21h 47m 00.5±0.10s, SD1.16/232																		
45.39 N±1.17km, 151.98 E±0.78km, h50±0.48km																		
Kurile Islands region (222)																		
M _g 4.9/30, m _b 5.6/6, m _b 5.0/87																		
MDJ	15.9	275	eP	21 50 40.6	-1.4				CD2	40.0	266	eP	21 54 32.9	0.5				
			PMZ			m _b =5.6	1.0	0.28			PMZ	m _b =5.6	1.0	0.10				
			sS	21 53 56.0	5.2						PMZ	m _B =5.7	4.0	0.50				
			LN			M _g =4.8	14.0	1.29			eS	22 00 33.6	-0.5					
			LE				16.0	3.12			sS	22 00 50.0	-5.2					
			LZ			M _g =4.7	16.0	3.57			LN	M _g =4.9	15.0	0.90				
CN2	18.9	275	eP	21 51 17.5	-2.7				KMI	44.2	260	+P	21 55 08.0	0.9				
			PMZ			m _b =4.8	1.0	0.055			PMZ	m _b =5.4	1.9	0.10				
			epP	21 51 26.0	-4.1						pP	21 55 20.0	0.6					
			eS	21 54 41.0	-4.6				WMQ	44.7	292	P	21 55 11.2	0.3				
			LN			M _g =4.8	13.0	1.50			PMZ	m _b =4.9	1.0	0.016				
			LE				13.0	1.87			PMZ	m _B =5.7	4.0	0.47				
			LZ			M _g =4.9	16.0	4.46			pP	21 55 21.5	-1.8					
SNY	20.8	270	eP	21 51 38.4	-2.0						LN	M _g =5.0	12.0	0.61				
			PMZ			m _b =4.9	1.0	0.067			LE		12.0	0.56				
											LZ	M _g =4.8	16.0	0.89				

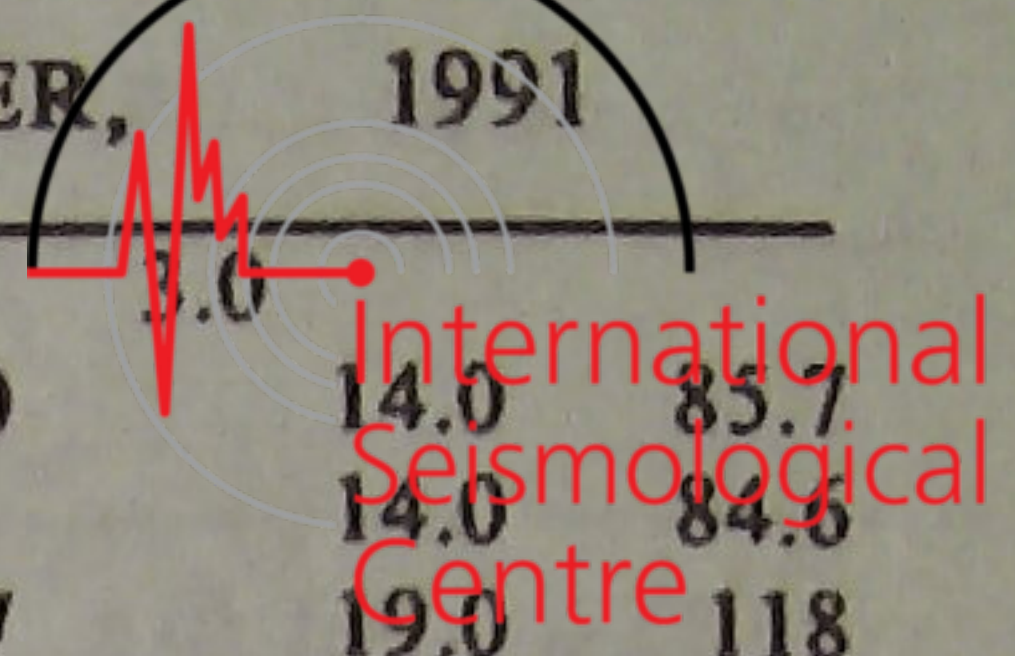


TIA	22.9	262	+P	04 28 03.2	0.0					PMZ	$m_b = 6.0$	06 43 11.0	-0.9	1.2	0.68		
			PMZ		$m_b = 5.3$	1.2	0.19			pP		06 46 20.0	-0.2				
HHC	25.3	276	+P	04 28 26.8	0.7					S		06 53 52.7	1.7				
			PMZ		$m_b = 5.2$	1.0	0.072			ScS							
			LN		$M_s = 5.1$	18.0	2.88			LN				14.0	1.92		
			LE			20.0	3.12			LE				14.0	2.14		
			LZ		$M_s = 5.0$	28.0	6.67			LZ				16.0	2.70		
TIY	25.7	269	+P	04 28 31.0	0.9				DL2	23.3	259	-iP	06 43 13.0	1.6			
			PMZ		$m_b = 5.1$	1.2	0.066			PMZ			$m_b = 6.1$	1.0	0.54		
			LN		$M_s = 5.1$	20.0	4.55			PMZ			$m_b = 5.6$	8.0	1.36		
			LZ		$M_s = 5.1$	20.0	4.88			sP		06 44 07.0	3.4				
BTO	26.5	277	+iP	04 28 37.4	0.2					S		06 47 12.0	4.4				
WHN	27.8	253	+iP	04 28 49.6	0.0					LN				10.0	0.85		
			PMZ		$m_b = 5.6$	1.0	0.14			LZ				16.0	0.88		
			sP	04 29 09.0	0.0				BJI	26.4	267	eP	06 43 40.5	-0.1			
XAN	29.9	264	+iP	04 29 07.5	-0.3					PMZ			$m_b = 6.3$	1.5	1.05		
			PMZ		$m_b = 4.2$	1.0	0.0050			PMZ				3.0	1.10		
LZH	32.6	272	+P	04 29 32.3	0.0					esP		06 44 28.0	-5.6				
			PMZ		$m_b = 5.4$	1.0	0.065			eS		06 48 00.0	-0.1				
			pP	04 29 47.5	1.9					esS		06 49 00.0	0.8				
			LZ		$M_s = 4.9$	18.0	1.92			eScP		06 50 26.0	1.5				
GZH	33.4	243	P	04 29 39.6	1.3					eScS		06 54 16.0	2.4				
GTA	34.3	279	+P	04 29 46.0	-0.1					LN				16.0	2.80		
			PMZ		$m_b = 5.5$	0.7	0.048			LZ				16.0	1.52		
			pP	04 30 01.0	1.4				TIA	27.7	259	-P	06 43 52.9	0.0			
			sP	04 30 08.0	2.3					PMZ			$m_b = 5.9$	1.8	0.51		
			PcP	04 32 22.6	1.9					pP		06 44 30.8	4.2				
			ScP	04 36 01.6	2.3					PcP		06 47 07.0	2.0				
			LE		$M_s = 5.4$	21.0	4.97			ScP		06 50 29.6	1.1				
			LZ		$M_s = 5.3$	26.0	7.44			S		06 48 22.0	0.8				
CD2	35.2	264	+iP	04 29 54.3	0.0				SSE	28.3	246	+iP	06 43 59.0	0.7			
			PMZ		$m_b = 5.8$	0.8	0.12			PMZ			$m_b = 5.9$	1.2	0.33		
GYA	35.7	255	+iP	04 29 58.4	0.0					pP		06 44 32.0	-0.2				
			PMZ		$m_b = 5.1$	1.0	0.033			PcP		06 47 07.0	0.6				
			sP	04 30 17.4	-0.6					S		06 48 33.0	2.2				
			PcP	04 32 26.0	1.1					LN				14.0	1.10		
KMI	39.3	257	+P	04 30 29.0	0.5					LE				14.0	1.10		
			PMZ		$m_b = 5.7$	1.5	0.20			LZ				20.0	1.40		
			sP	04 30 46.5	-1.7				HHC	29.1	272	-P	06 44 05.6	0.0			
WMQ	41.2	291	P	04 30 45.0	0.6					PMZ			$m_b = 6.5$	1.3	1.35		
			PMZ		$m_b = 5.3$	1.0	0.042			LN				11.0	0.55		
			pP	04 31 01.0	3.0					LE				10.0	0.94		
			eS	04 36 57.0	3.5					LZ				14.0	1.77		
			LN		$M_s = 5.2$	16.0	1.42		TIY	30.1	266	-iP	06 44 14.0	0.2			
			LE			16.0	1.47			PMZ			$m_b = 5.8$	1.0	0.19		
			LZ		$M_s = 5.2$	16.0	2.59			PMZ			$m_b = 6.0$	4.0	1.39		
KSH	51.0	291	P	04 32 02.7	0.7					sP		06 45 09.0	1.8				
			LN		$M_s = 5.9$	19.0	6.40			S		06 49 01.0	2.9				
			LE			15.0	2.40			LZ				20.0	1.50		
<p>DEC 17d 06h 38m $17.4 \pm 0.04s$, SD0.99 / 566 $47.46 N \pm 0.82km$, $151.49 E \pm 0.61km$, $h166 \pm 0.13km$ Kurile Islands (221) $m_b 5.9 / 15$, $m_b 5.8 / 152$,</p>										BTO	30.3	272	+iP	06 44 15.0	-0.9		
MDJ	15.5	267	-iP	06 41 48.2	0.1					PMZ			$m_b = 5.6$	1.2	0.16		
			PMZ		$m_b = 6.2$	1.0	1.04			S		06 48 57.5	-4.2				
			S	06 44 39.5	5.2					LN				16.0	3.65		
			ScP	06 50 00.5	2.4					LE				13.0	1.41		
			ScS	06 53 37.5	2.1				WHN	33.1	253	-iP	06 44 39.0	-0.6			
			LN			10.5	1.72			PMZ			$m_b = 6.3$	1.0	0.58		
			LE			15.0	2.37			PMZ			$m_b = 6.1$	4.0	1.48		
			LZ			16.0	1.78			PcP		06 47 19.5	0.7				
CN2	18.5	268	-P	06 42 21.4	-2.7					S		06 49 42.0	-2.7				
			PMZ		$m_b = 6.0$	1.0	0.54			LE				12.0	0.92		
			PMZ			3.0	2.62			LZ				14.0	1.18		
			PcP	06 46 44.0	-1.9				QZH	34.4	241	-P	06 44 52.0	1.1			
			ScS	06 53 45.0	0.7					pP		06 45 26.0	0.2				
SNY	20.6	264	-iP	06 42 44.0	-1.0					sP		06 45 46.0	1.0				
										S		06 50 10.0	5.0				
										sS		06 51 03.0	-4.0				
									XAN	34.5	263	-iP	06 44 51.7	-0.1			
										PMZ			$m_b = 5.9$	1.0	0.25		

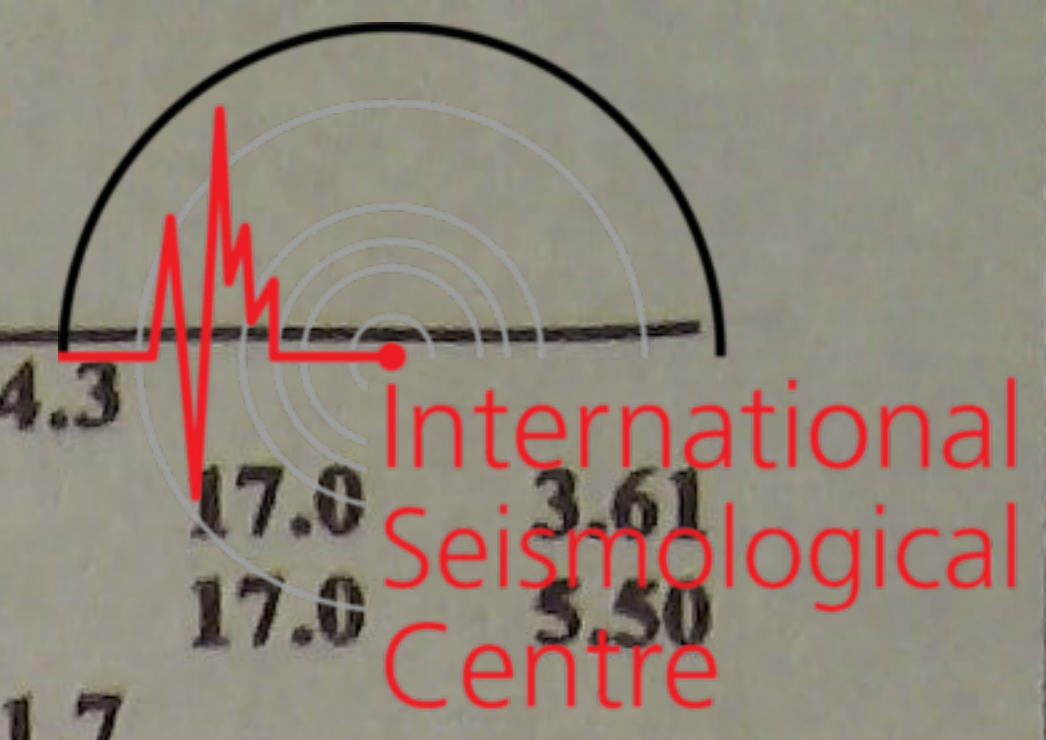


Station	Time	Phase	Amplitude	Phase	Amplitude	Phase	Amplitude	Phase	Amplitude			
LZH	36.8 270	sP	06 45 47.0	1.1								
		S	06 50 05.0	-1.6								
		ScS	06 54 56.0	3.1								
		-iP	06 45 12.5	1.3								
		PMZ	$m_b = 6.3$	1.8	1.28							
		PMZ	$m_B = 6.2$	4.0	2.57							
		eS	06 50 38.0	-4.8								
		LN		10.0	0.61							
		LE		10.0	0.41							
		LZ		16.0	1.36							
GTA	37.8 277	-iP	06 45 20.4	0.8								
		PMZ	$m_b = 5.9$	0.8	0.23							
		PMZ	$m_B = 5.9$	4.0	1.18							
		pP	06 45 55.0	0.1								
		sP	06 46 12.0	-1.8								
		PP	06 46 54.0	3.0								
		PcP	06 47 34.3	1.6								
		ScP	06 51 05.4	2.5								
		S	06 50 57.0	0.2								
		PcS	06 51 22.5	2.5								
GZH	38.9 245	sS	06 51 59.0	-0.7								
		ScS	06 55 14.5	3.5								
		LN		12.0	1.10							
		LZ		14.0	1.46							
		P	06 45 30.0	0.9								
		PMZ	$m_b = 6.4$	1.0	0.91							
		CD2	39.8 263	-iP	06 45 37.6	0.9						
				PMZ	$m_B = 6.4$	3.5	3.40					
				sP	06 46 30.2	-1.0						
				S	06 51 25.8	-2.1						
sS	06 52 28.0			-3.1								
GYA	40.8 255			-iP	06 45 45.4	0.8						
				PMZ	$m_b = 6.2$	1.0	0.63					
				PMZ		3.0	2.30					
				sP	06 46 40.0	0.9						
				PP	06 47 26.0	2.3						
		PcP	06 47 43.4	1.1								
		ScP	06 51 17.2	2.6								
		PcS	06 51 32.8	1.1								
		S	06 51 41.0	-1.0								
		sS	06 52 45.0	-0.5								
WMQ	43.6 290	SS	06 54 48.0	3.0								
		ScS	06 55 30.0	1.3								
		LN		16.0	1.65							
		LE		16.0	0.77							
		LZ		16.0	0.75							
		P	06 46 07.4	-0.2								
		PMZ	$m_b = 5.6$	1.0	0.17							
		pP	06 46 38.0	-5.5								
		sP	06 46 58.0	-4.3								
		PcP	06 47 50.0	-1.7								
QZN	44.1 245	PcS	06 51 45.0	2.0								
		S	06 52 23.0	-0.3								
		sS	06 53 31.0	3.5								
		LN		10.0	1.28							
		LE		8.0	1.14							
		LZ		20.0	1.54							
		P	06 46 12.8	1.4								
		PMZ	$m_b = 5.6$	1.0	0.16							
		PMZ	$m_B = 5.7$	5.0	0.91							
		pP	06 46 48.0	0.5								
KMI	44.3 257	PP	06 47 55.0	-2.3								
		S	06 52 30.5	0.0								
		sS	06 53 33.0	-1.8								
		SS	06 55 41.0	-4.2								
		-P	06 46 14.0	1.2								
		PMZ	$m_b = 6.5$	4.0	4.40							
		sP	06 47 08.0	0.5								
		LZA	49.1 271	PP	06 48 02.5	3.8						
				S	06 52 34.0	1.4						
				-iP	06 46 53.0	1.9						
PMZ	$m_b = 5.5$			0.8	0.090							
pP	06 47 32.0			4.6								
-iP	06 47 24.0			1.3								
PcP	06 48 30.0			3.0								
S	06 54 44.0			4.7								
LN				9.0	1.00							
LE				8.0	1.30							
DEC 17d 11h 09m $48.5 \pm 0.06s$, SD1.31 / 135 $45.53 N \pm 1.46km$, $151.92 E \pm 0.84km$, $h38 \pm 0.16km$ Kurile Islands (221) $M_S 4.7 / 18$, $m_B 5.0 / 1$, $m_b 4.9 / 56$												
MDJ	15.8 275	eP	11 13 29.7	-0.3								
		PMZ	$m_b = 5.4$	1.1	0.19							
		pP	11 13 37.2	-0.7								
		PP	11 13 44.2	1.6								
		LN	$M_S = 4.6$	13.0	1.07							
		LE		13.0	1.34							
		LZ	$M_S = 4.5$	16.0	2.23							
		eP	11 14 05.4	-3.1								
		PMZ	$m_b = 4.7$	1.0	0.040							
		epP	11 14 13.5	-3.3								
CN2	18.9 274	eS	11 17 29.0	-5.2								
		LN	$M_S = 4.7$	14.0	1.11							
		LE		14.0	1.26							
		LZ	$M_S = 4.6$	18.0	2.62							
		+P	11 14 27.0	-2.1								
		PMZ	$m_b = 5.1$	1.6	0.14							
		pP	11 14 33.6	-4.9								
		sS	11 18 32.0	3.1								
		LE	$M_S = 4.6$	17.0	1.68							
		LZ	$M_S = 4.5$	20.0	2.07							
BJI	26.6 271	eP	11 15 26.0	0.0								
		PMZ	$m_b = 4.9$	1.1	0.028							
		LE	$M_S = 4.7$	16.0	1.32							
		LZ	$M_S = 4.6$	18.0	1.42							
		+P	11 15 53.2	0.7								
		PMZ	$m_b = 5.4$	1.2	0.090							
		LN	$M_S = 4.9$	14.0	0.87							
		LE		16.0	1.63							
		LZ	$M_S = 5.0$	17.0	2.90							
		+P	11 15 59.2	0.4								
TIY	30.3 269	S	11 20 54.0	0.0								
		LE	$M_S = 4.6$	16.0	0.77							
		LZ	$M_S = 4.6$	20.0	1.25							
		eP	11 16 03.0	0.0								
		LN	$M_S = 4.8$	13.0	0.26							
		LE		13.0	0.96							
		eP	11 16 22.0	1.0								
		P	11 16 36.3	-0.1								
		+P	11 16 58.5	0.7								
		PMZ	$m_b = 5.4$	1.6	0.10							
BTO	30.7 276	pP	11 17 09.5	1.7								
		LN	$M_S = 4.7$	13.0	0.59							
		LZ	$M_S = 4.6$	18.0	0.84							
		+iP	11 17 09.4	1.2								
		PMZ	$m_b = 5.7$	1.0	0.12							
		PMZ		3.2	0.50							
		sP	11 17 23.8	1.2								
		LN	$M_S = 4.8$	14.0	0.74							
		LZ	$M_S = 4.7$	16.0	0.93							
		+iP	11 17 21.9	0.5								
GTA	38.4 280	PMZ	$m_b = 5.3$	0.7	0.036							
		P	11 17 27.4	0.2								
		pP	11 17 42.0	4.7								
		CD2	40.0 266	+iP	06 46 14.0	1.2						
				PMZ	$m_b = 6.5$	4.0	4.40					
				GYA	40.6 258	P	11 17 27.4	0.2				
						pP	11 17 42.0	4.7				

KMI	44.2	260	LZ	$M_s=4.7$	18.0	1.03	TIY	22.5	97	PMZ	$m_b=4.5$	23	54	55.0	0.1	0.7	0.016	
			+P	11 17 57.0	0.7				-P	23 54 55.0								
WMQ	44.6	292	PMZ	$m_b=5.1$	1.6	0.050			LN	$M_s=4.4$				15.0		0.81		
			P	11 17 56.5	-2.9				LZ	$M_s=4.3$				20.0		1.00		
			PMZ	$m_b=5.1$	0.5	0.014	BJI	24.3	89	eP	23 55 14.5			2.7				
			eS	11 24 29.0	-3.4				PMZ	$m_b=4.1$				1.0		0.0070		
			LN	$M_s=4.8$	10.0	0.43	KMI	24.6	135	eP	23 55 16.5			1.1				
			LZ	$M_s=5.0$	16.0	1.48	GYA	25.7	127	P	23 55 25.4			-0.2				
DEC 17d 20h 27m $49.8 \pm 0.05s$, SD1.81 / 45 33.94 N \pm 0.62km, 88.97 E \pm 0.63km, h44 \pm 0.08km Tibet (306) M_s 4.0 / 6, m_b 4.5 / 9,							DEC 18d 09h 01m $31.2 \pm 0.05s$, SD2.41 / 9 37.53 N \pm 0.34km, 112.54 E \pm 0.51km, h11 \pm 0.06km North-Eastern China (658) M_L 3.0 / 8,											
LSA	4.6	156	+P	20 29 02.8	3.3		HHC	3.4	347	ePg	09 02 30.0			-1.5				
			PMZ			0.6	0.020			Sn	09 03 07.9			1.0				
WMQ	9.9	355	P	20 30 12.2	-0.6				Sg	09 03 17.2				-0.6				
			eS	20 32 08.0	4.7				SMN	$M_L=3.5$				0.8		0.23		
			LN	$M_s=4.1$	8.0	0.61			SME					0.8		0.077		
			LZ	$M_s=3.8$	12.0	0.61			BTO	3.6	328	ePg	09 02 32.9			-2.8		
GTA	10.3	55	eP	20 30 17.1	-0.8				eSg	09 03 20.0				-5.3				
			PMZ	$m_b=4.2$	1.0	0.0050			SMN	$M_L=2.8$				0.8		0.034		
			sP	20 30 34.6	2.9				SME					0.8		0.019		
			LE	$M_s=4.0$	11.0	0.69			DEC 18d 10h 01m $08.6 \pm 0.05s$, SD1.13 / 132 45.43 N \pm 1.19km, 151.47 E \pm 0.74km, h31 \pm 0.12km Kurile Islands region (222) M_s 4.4 / 4, m_b 5.0 / 69,									
			LZ	$M_s=4.0$	12.0	0.85			MDJ	15.5	275	eP	10 04 48.0			1.4		
CD2	12.9	100	eP	20 30 52.3	-0.4				PMZ	$m_b=5.1$				1.0		0.087		
			eS	20 33 20.2	5.4				PMZ	$m_b=4.5$				0.8		0.020		
			LE	$M_s=4.6$	8.0	1.31			epP	10 05 30.0				-2.7				
			LZ	$M_s=4.3$	10.0	1.15			eS	10 08 48.0				-0.4				
KMI	14.8	123	eP	20 31 17.0	-1.9				LN	$M_s=4.4$				13.0		0.60		
			sP	20 31 33.0	0.3				LE	$M_s=4.3$				13.0		0.72		
GYA	17.0	111	P	20 31 45.0	-1.3				LZ	$M_s=4.3$				16.0		1.12		
			PMZ	$m_b=4.9$	1.2	0.071			SNY	20.5	270	-iP	10 05 45.9			-0.6		
			LZ	$M_s=4.5$	10.0	1.27			PMZ	$m_b=4.7$				1.0		0.037		
BTO	18.0	62	eP	20 32 01.2	2.4				eS	10 09 31.0				1.6				
HHC	19.2	62	eP	20 32 13.4	0.3				LZ	$M_s=4.3$				16.0		0.94		
			LZ	$M_s=3.9$	28.0	0.74			DL2	23.0	264	eP	10 06 12.0			0.3		
TIY	19.4	72	eP	20 32 14.2	-0.9				BJI	26.3	271	eP	10 06 45.0			1.1		
			LE	$M_s=4.0$	11.0	0.25			PMZ	$m_b=4.8$				1.0		0.022		
BJI	22.5	66	eP	20 32 49.0	1.8				LZ	$M_s=4.3$				16.0		0.64		
			PMZ	$m_b=4.4$	1.5	0.024			TIA	27.4	263	eP	10 06 55.4			1.7		
SNY	28.3	64	eP	20 33 43.3	1.7				HHC	29.3	275	eP	10 07 10.0			-0.5		
DEC 17d 23h 49m $54.1 \pm 0.04s$, SD1.54 / 88 44.42 N \pm 0.66km, 83.79 E \pm 0.50km, h18 \pm 0.10km Northern Xinjiang Province (332) M_s 4.4 / 5, M_L 5.1 / 5, m_b 4.8 / 29							DEC 18d 13h 44m $03.2 \pm 0.05s$, SD2.35 / 32 41.33 N \pm 0.71km, 87.77 E \pm 0.55km, h25 \pm 0.07km											
WMQ	2.9	101	Pn	23 50 43.8	4.0				PMZ	$m_b=4.8$				1.0		0.020		
			Sn	23 51 18.0	2.2				LE	$M_s=4.4$				13.0		0.46		
			SMN			2.0	8.17		LZ	$M_s=4.6$				17.0		1.19		
			LZ			4.0	2.49		TIY	30.0	269	eP	10 07 17.0			0.2		
GTA	12.9	107	P	23 52 57.2	-3.1				BTO	30.4	276	eP	10 07 20.4			-0.7		
			PMZ	$m_b=4.5$	0.6	0.0060			WHN	32.5	256	eP	10 07 38.0			-1.0		
			sP	23 53 11.4	2.1				XAN	34.3	266	-iP	10 07 54.3			-0.1		
			LE	$M_s=4.4$	11.0	1.10			LZH	36.8	272	eP	10 08 16.0			0.0		
			LZ	$M_s=4.1$	12.0	0.91			PMZ	$m_b=5.1$				1.6		0.058		
LSA	15.8	156	P	23 53 39.7	1.4				pP	10 08 25.5				0.8				
LZH	17.4	112	eP	23 53 57.5	-0.5				LE	$M_s=4.7$				8.0		0.37		
			PMZ	$m_b=5.0$	1.5	0.11			LZ	$M_s=4.6$				17.0		1.19		
			PP	23 54 14.5	2.6				GTA	38.1	280	-P	10 08 27.6			1.0		
			LN	$M_s=3.5$	10.0	0.10			PMZ	$m_b=4.9$				0.8		0.017		
			LZ	$M_s=4.1$	12.0	0.60			pP	10 08 40.6				5.2				
BTO	19.7	92	eP	23 54 24.0	-1.5				CD2	39.6	265	-iP	10 08 40.5			0.9		
HHC	20.7	90	+P	23 54 36.3	-0.1				GYA	40.3	258	P	10 08 46.0			0.7		
			PMZ	$m_b=5.1$	1.0	0.082			DEC 18d 13h 44m $03.2 \pm 0.05s$, SD2.35 / 32 41.33 N \pm 0.71km, 87.77 E \pm 0.55km, h25 \pm 0.07km									
			eS	23 58 28.0	5.7									0.8		0.048		
			LZ	$M_s=4.3$	13.0	0.83												
CD2	20.7	124	eP	23 54 36.2	-0.2													
XAN	22.0	110	P	23 54 48.5	-0.8													



		PMZ	$m_b = 5.9$	1.8	0.51				ScS	01 51 00.0	3.6	14.0	85.7
		PMZ	$m_B = 6.7$	10.0	17.6				LN	$M_s = 7.0$		14.0	84.6
		sP	01 39 36.0	1.3					LE			19.0	118
		S	01 43 53.0	-4.5					LZ	$M_s = 6.7$			
		LN	$M_s = 6.6$	14.0	47.6	GZH	37.8 247	-iP	01 40 57.0	0.8		1.0	0.036
		LE		14.0	73.0				PMZ	$m_b = 5.1$		11.0	10.4
SSE	27.3 249	+iP	01 39 25.0	0.6					PMZ	$m_B = 6.6$			
		PMZ	$m_b = 6.1$	1.0	0.39				PP	01 42 31.0	5.6		
		PMZ	$m_B = 6.6$	8.0	9.70				S	01 46 48.0	3.3		
		sP	01 39 37.0	1.0					PcS	01 47 00.0	0.2		
		LN	$M_s = 7.0$	20.0	270				LN	$M_s = 7.0$		12.0	48.4
		LE		21.0	145				LE			15.0	124
		LZ	$M_s = 6.6$	20.0	152				LZ	$M_s = 6.7$		20.0	115
HHC	29.0 275	+iP	01 39 40.6	0.4		GTA	37.8 280	+iP	01 40 57.2	0.8			
		PMZ	$m_b = 6.3$	1.0	0.64				PMZ	$m_b = 6.5$		0.8	0.64
		PMZ	$m_B = 7.0$	8.0	26.4				PMZ	$m_B = 6.9$		6.5	12.1
		S	01 44 32.0	4.2					PP	01 42 26.0	0.6		
		LZ	$M_s = 7.0$	16.0	267				PcP	01 43 15.7	3.4		
TIY	29.7 269	+iP	01 39 46.7	0.4					ScP	01 46 57.0	0.5		
		PMZ	$m_b = 5.9$	1.0	0.23				PcS	01 47 05.0	5.2		
		PMZ	$m_B = 6.7$	11.0	15.5				LN	$M_s = 6.8$		15.0	91.1
		LN	$M_s = 6.7$	16.0	74.0				LZ	$M_s = 6.5$		21.0	77.7
		LE		15.0	83.6	CD2	39.4 265	+iP	01 41 09.5	0.3			
		LZ	$M_s = 6.6$	20.0	150				PMZ	$m_b = 6.6$		0.8	0.80
BTO	30.2 276	P	01 39 51.0	0.3					PMZ	$m_B = 6.9$		7.0	12.9
		PMZ	$m_b = 5.7$	1.2	0.15				ipP	01 41 21.5	4.1		
		PMZ	$m_B = 6.6$	7.0	8.07				iS	01 47 02.5	-6.7		
		pP	01 39 59.0	0.3					LE	$M_s = 6.9$		14.0	90.0
		PP	01 40 50.0	1.0					LZ	$M_s = 6.5$		16.0	60.0
		S	01 44 44.0	-2.5		GYA	40.1 257	+iP	01 41 15.0	0.1			
		sS	01 45 01.0	0.1					PMZ	$m_b = 5.7$		1.0	0.14
		LE	$M_s = 6.6$	14.0	77.1				PMZ	$m_B = 6.7$		6.0	7.85
WHN	32.2 256	+P	01 40 08.0	-0.4					sP	01 41 30.0	3.4		
		PMZ	$m_b = 6.0$	1.0	0.26				PP	01 42 50.0	-0.9		
		PMZ	$m_B = 6.6$	6.0	5.65				S	01 47 19.0	0.8		
		iS	01 45 18.0	-1.1					LN	$M_s = 7.2$		17.0	102
		LE	$M_s = 7.0$	18.0	201				LE			17.0	172
QZH	33.2 243	+P	01 40 16.5	0.1					LZ	$M_s = 6.7$		22.0	125
		PMZ	$m_b = 6.2$	1.5	0.61	QZN	43.0 246	+P	01 41 40.2	1.1			
		PMZ	$m_B = 6.9$	5.0	10.2				PMZ	$m_b = 6.0$		1.6	0.35
		sP	01 40 30.0	1.9					PP	01 43 23.0	1.7		
		PP	01 41 32.0	4.8					S	01 48 05.0	3.1		
		S	01 45 38.0	5.4					SS	01 51 10.0	1.5		
		sS	01 45 52.0	4.9					LN	$M_s = 7.0$		16.0	63.3
		SS	01 47 40.0	5.8					LE			17.0	95.2
		ScS	01 50 42.0	3.2		KMI	43.6 259	+P	01 41 44.0	-0.1			
		LE	$M_s = 6.7$	16.0	93.2				PMZ	$m_b = 6.4$		1.5	0.83
		LZ	$M_s = 6.5$	18.0	87.1				PMZ	$m_B = 6.9$		5.0	10.2
XAN	34.0 266	+iP	01 40 23.5	-0.5					PP	01 43 29.0	1.9		
		PMZ	$m_b = 5.8$	1.0	0.14				S	01 48 16.0	5.6		
		PMZ	$m_B = 6.7$	6.5	7.09				LN	$M_s = 6.7$		16.0	52.6
		pP	01 40 33.5	1.4					LE			16.0	29.1
		sP	01 40 37.0	1.4					LZ	$M_s = 6.8$		20.0	131
		PP	01 41 38.0	0.5		WMQ	44.2 292	+iP	01 41 49.2	0.8			
		S	01 45 44.0	-2.0					PMZ	$m_b = 6.0$		1.2	0.26
		LN	$M_s = 6.8$	16.0	55.9				PMZ	$m_B = 7.0$		6.0	13.0
		LE		16.0	89.4				pP	01 41 52.2	-4.4		
LZH	36.6 272	+iP	01 40 46.5	0.8					S	01 48 12.0	-6.5		
		PMZ	$m_b = 6.7$	1.5	1.93				sS	01 48 32.0	-1.2		
		PMZ	$m_B = 6.8$	6.0	10.4				LN	$M_s = 6.9$		12.0	42.9
		pP	01 40 55.0	1.3					LE			12.0	52.2
		sP	01 40 57.5	0.2					LZ	$M_s = 6.6$		20.0	77.1
		PP	01 42 10.0	0.2		LSA	49.0 273	+iP	01 42 28.4	1.6			
		PcP	01 43 12.0	3.6					PMZ	$m_b = 5.6$		1.0	0.080
		ScP	01 46 53.0	1.2					LN	$M_s = 6.8$		15.0	47.1
		S	01 46 27.0	1.8					LZ	$M_s = 6.0$		15.0	12.3
		sS	01 46 44.0	4.3		KSH	54.0 292	P	01 43 05.0	1.0			
		PcS	01 46 55.0	0.0					PP	01 45 11.0	5.2		



S					01 50 40.0	4.6			
LE					$M_s = 7.0$	12.0	55.3		
DEC 19d 01h 37m $32.3 \pm 0.13s$, SD0.75 / 92									
45.44 N $\pm 1.11km$, 150.98 E $\pm 0.98km$, h36 $\pm 0.46km$									
Kurile Islands region (222)									
$M_s 6.6 / 1$, $m_b 5.7 / 45$,									
HHC	28.9	275	P	01 43 30.6	-0.1				
			PMZ	$m_b = 6.0$	1.0	0.32			
QZH	33.1	243	-P	01 44 08.0	0.4				
			PMZ	$m_b = 5.4$	1.3	0.088			
XAN	33.9	265	P	01 44 14.0	-0.6				
LZH	36.4	272	-iP	01 44 37.5	1.3				
			PMZ	$m_b = 6.1$	1.6	0.47			
GTA	37.7	279	P	01 44 47.0	0.1				
			sP	01 45 03.2	2.5				
			LN	$M_s = 6.6$	12.0	44.1			
			LZ	$M_s = 6.4$	18.0	52.4			
CD2	39.3	265	P	01 45 00.2	0.3				
			PMZ	$m_b = 6.1$	0.9	0.26			
GYA	40.0	257	P	01 45 05.4	-0.3				
			PMZ	$m_b = 5.5$	1.0	0.080			

DEC 19d 04h 41m $38.4 \pm 0.04s$, SD1.21 / 163									
48.97 N $\pm 0.53km$, 128.76 W $\pm 0.56km$, h23 $\pm 0.13km$									
Vancouver Island region (25)									
$m_b 5.0 / 18$,									
SSE	78.9	305	eP	04 53 37.5	-4.8				
WMQ	82.2	334	P	04 53 59.0	-1.2				
KMI	93.1	315	-P	04 54 57.0	4.2				
			PMZ	$m_b = 5.6$	1.5	0.040			

DEC 19d 04h 44m $06.9 \pm 0.03s$, SD1.30 / 141									
48.94 N $\pm 0.62km$, 128.80 W $\pm 0.64km$, h11 $\pm 0.13km$									
Vancouver Island region (25)									
$m_b 5.3 / 19$,									
MDJ	64.4	309	eP	04 54 46.6	0.4				
CN2	67.1	311	eP	04 55 00.8	-2.6				
			PMZ	$m_b = 5.0$	1.0	0.020			
			pP	04 55 09.0	-0.1				
SNY	69.5	310	+P	04 55 16.4	-1.8				
			PMZ	$m_b = 4.9$	1.0	0.013			
HHC	76.0	317	P	04 55 53.6	-3.0				
WMQ	82.2	334	P	04 56 32.5	1.9				

DEC 19d 04h 46m $51.5 \pm 0.03s$, SD1.09 / 115									
45.40 N $\pm 1.14km$, 151.46 E $\pm 0.72km$, h41 $\pm 0.37km$									
Kurile Islands region (222)									
$M_s 5.3 / 9$, $m_b 5.8 / 2$, $m_b 5.1 / 60$									
MDJ	15.5	275	eP	04 50 28.6	-0.3				
			PMZ	$m_b = 5.6$	1.0	0.30			
CN2	18.6	274	-P	04 51 06.0	-1.5				
			PMZ	$m_b = 4.9$	1.0	0.062			
			epP	04 51 17.0	1.0				
			LN	$M_s = 4.7$	17.0	1.38			
			LE		17.0	2.08			
			LZ	$M_s = 4.8$	18.0	3.50			
SNY	20.5	270	+P	04 51 27.8	-0.6				
			PMZ	$m_b = 4.8$	1.0	0.044			
BJI	26.3	271	+eP	04 52 27.0	1.2				
			PMZ	$m_b = 4.9$	1.0	0.030			
TIA	27.4	263	-P	04 52 35.8	0.3				
HHC	29.3	275	+P	04 52 53.0	0.6				
			PMZ	$m_b = 5.4$	1.0	0.067			
TIY	30.0	269	eP	04 52 59.5	0.8				
			LN	$M_s = 5.1$	14.0	2.41			
			LZ	$M_s = 4.8$	23.0	2.55			
BTO	30.4	276	eP	04 53 03.0	0.1				

		epP	04 53 09.0	-4.3					
		LN	$M_s = 5.5$	17.0	3.61				
		LE		17.0	5.50				
WHN	32.5	256	eP	04 53 19.0	-1.7				
XAN	34.3	266	P	04 53 36.0	-0.2				
LZH	36.8	272	+P	04 53 58.5	0.7				
			PMZ	$m_b = 5.5$	1.4	0.12			
			pP	04 54 10.5	2.2				
			sP	04 54 15.5	2.6				
GTA	38.1	280	+iP	04 54 09.7	1.3				
			PMZ	$m_b = 5.7$	1.0	0.12			
			PMZ	$m_b = 5.5$	3.5	0.30			
			pP	04 54 16.4	-2.6				
			sP	04 54 19.0	-4.6				
			LN	$M_s = 5.5$	27.0	7.32			
			LZ	$M_s = 5.1$	22.0	3.03			
CD2	39.6	265	+iP	04 54 21.8	0.5				
			PMZ	$m_b = 5.3$	0.9	0.049			
GYA	40.3	258	P	04 54 27.0	0.0				
			PMZ	$m_b = 4.6$	1.0	0.0090			
			pP	04 54 41.0	3.4				
KMI	43.8	259	-P	04 54 57.0	0.8				
			PMZ	$m_b = 5.1$	1.5	0.040			
WMQ	44.3	292	P	04 55 01.5	1.4				
			PMZ	$m_b = 5.1$	1.0	0.028			
			PMZ	$m_b = 6.0$	8.0	1.77			
			LN	$M_s = 5.4$	10.0	1.07			
			LE		10.0	1.08			
			LZ	$M_s = 5.3$	20.0	3.86			
LSA	49.2	273	P	04 55 40.4	1.7				

DEC 19d 10h 26m $49.6 \pm 0.06s$, SD1.02 / 202									
45.38 N $\pm 0.96km$, 150.93 E $\pm 0.72km$, h39 $\pm 0.16km$									
Kurile Islands region (222)									
$M_s 4.7 / 17$, $m_b 5.5 / 1$, $m_b 5.3 / 94$									
MDJ	15.1	275	eP	10 30 22.0	-0.3				
			PMZ	$m_b = 5.8$	1.1	0.44			
			LN	$M_s = 4.6$	15.0	1.39			
			LE		15.0	1.79			
			LZ	$M_s = 4.2$	20.0	1.40			
CN2	18.2	274	P	10 31 00.0	-1.2				
			PMZ	$m_b = 4.8$	1.0	0.049			
			epP	10 31 08.0	-1.5				
			LN	$M_s = 4.6$	14.0	1.18			
			LE		14.0	0.84			
			LZ	$M_s = 4.7$	17.0	2.67			
SNY	20.1	270	-P	10 31 22.6	-0.2				
			PMZ	$m_b = 5.3$	1.2	0.20			
			S	10 35 07.0	6.2				
			LN	$M_s = 4.7$	15.0	1.23			
			LE		14.0	1.51			
			LZ	$M_s = 4.6$	17.0	2.13			
BJI	26.0	271	+eP	10 32 20.5	-0.1				
			PMZ	$m_b = 5.3$	1.0	0.074			
			LE	$M_s = 4.7$	14.0	1.05			
			LZ	$M_s = 4.6$	16.0	1.46			
TIA	27.0	262	+P	10 32 30.3	-0.1				
SSE	27.2	249	-P	10 32 33.0	1.1				
			PMZ	$m_b = 5.2$	1.0	0.054			
			pP	10 32 43.0	1.1				
			LN	$M_s = 4.6$	16.0	1.00			
			LE		16.0	0.50			
			LZ	$M_s = 4.4$	20.0	0.90			
HHC	28.9	275	+P	10 32 47.5	0.1				
			PMZ	$m_b = 5.7$	1.0	0.17			
			LN	$M_s = 4.8$	11.0	0.55			
			LE		17.0	1.22			
			LZ	$M_s = 5.0$	15.0	2.95			

Station	Mag	Depth (km)	Type	Date	Time	Mag	Depth (km)	Type	Date	Time	Mag	Depth (km)	Type	
GTA	15.7	20	PMZ											
			PP	02 09	39.0	-3.4								
			eS	02 12	10.0	-2.2								
			LN		$M_s=5.1$		11.0	5.12						
			LZ		$M_s=4.8$		18.0	5.74						
			P	02 09	42.8	-2.0								
			PMZ		$m_b=5.1$		1.4	0.13						
			PMZ		$m_b=5.3$		3.5	0.50						
			pP	02 09	51.4	-1.2								
			sP	02 09	57.0	-0.8								
QZN	16.5	107	+iP	02 09	58.5	2.9								
			PMZ		$m_b=5.4$		1.0	0.18						
			LN		$M_s=4.8$		12.0	1.98						
			LE				11.0	1.70						
			P	02 09	53.5	-2.8								
			PMZ		$m_b=6.2$		0.8	0.86						
			PMZ		$m_b=6.0$		4.0	2.73						
			pP	02 10	08.0	3.6								
			LN		$M_s=5.1$		18.0	6.25						
			LE				12.0	1.79						
XAN	16.6	52	+iP	02 10	20.0	-1.0								
			PMZ		$m_b=5.1$		1.0	0.090						
			PMZ		$m_b=5.7$		5.0	1.94						
			S	02 13	44.0	1.1								
			LN		$M_s=5.4$		15.0	9.77						
			LZ		$M_s=4.8$		16.0	3.09						
			-iP	02 10	32.8	0.9								
			PMZ		$m_b=5.2$		1.2	0.14						
			PMZ		$m_b=5.4$		8.0	1.51						
			sP	02 10	49.0	3.3								
GZH	18.6	91	S	02 14	09.0	5.0								
			sS	02 14	22.0	4.2								
			LN		$M_s=5.3$		7.0	2.45						
			LE				7.0	2.87						
			LZ		$M_s=4.9$		20.0	5.01						
			+iP	02 10	33.0	-0.5								
			PMZ		$m_b=5.2$		1.0	0.13						
			PMZ		$m_b=5.3$		6.0	0.85						
			sP	02 10	50.0	2.4								
			LN		$M_s=5.1$		8.0	1.67						
WMQ	19.5	348	LE				14.0	3.99						
			LZ		$M_s=5.1$		16.0	7.02						
			P	02 10	45.0	1.2								
			S	02 14	22.0	-4.6								
			LN		$M_s=5.4$		9.0	4.30						
			LE				8.0	3.10						
			+iP	02 10	46.0	-0.8								
			PMZ		$m_b=5.9$		0.8	0.43						
			sP	02 11	00.0	-1.0								
			S	02 14	29.0	-3.2								
WHN	19.7	68	LN		$M_s=4.8$		14.0	2.16						
			LZ		$M_s=4.8$		20.0	3.75						
			P	02 10	49.5	-0.2								
			PMZ		$m_b=5.7$		1.0	0.34						
			S	02 14	39.5	2.0								
			LN		$M_s=5.3$		13.0	3.02						
			LE				13.0	4.68						
			+P	02 11	01.0	0.9								
			PMZ		$m_b=5.5$		0.8	0.18						
			sP	02 11	15.0	0.6								
KSH	20.6	320	LN		$M_s=5.0$		13.0	1.50						
			LE				12.0	2.35						
			P	02 10	45.0	1.2								
			S	02 14	22.0	-4.6								
			LN		$M_s=5.4$		9.0	4.30						
			LE				8.0	3.10						
			+iP	02 10	46.0	-0.8								
			PMZ		$m_b=5.9$		0.8	0.43						
			sP	02 11	00.0	-1.0								
			S	02 14	29.0	-3.2								
TIY	20.9	47	LN		$M_s=4.8$		14.0	2.16						
			LZ		$M_s=4.8$		20.0	3.75						
			P	02 10	49.5	-0.2								
			PMZ		$m_b=5.7$		1.0	0.34						
			S	02 14	39.5	2.0								
			LN		$M_s=5.3$		13.0	3.02						
			LE				13.0	4.68						
			+P	02 11	01.0	0.9								
			PMZ		$m_b=5.5$		0.8	0.18						
			sP	02 11	15.0	0.6								
BTO	21.2	38	LN		$M_s=5.0$		13.0	1.50						
			LE				12.0	2.35						
			P	02 10	49.5	-0.2								
			PMZ		$m_b=5.7$		1.0	0.34						
			S	02 14	39.5	2.0								
			LN		$M_s=5.3$		13.0	3.02						
			LE				13.0	4.68						
			+P	02 11	01.0	0.9								
			PMZ		$m_b=5.5$		0.8	0.18						
			sP	02 11	15.0	0.6								
HHC	22.3	39	LN		$M_s=5.0$		13.0	1.50						
			LE				12.0	2.35						
			P	02 10	49.5	-0.2								
			PMZ		$m_b=5.7$		1.0	0.34						
			S	02 14	39.5	2.0								
			LN		$M_s=5.3$		13.0	3.02						
			LE				13.0	4.68						
			+P	02 11	01.0	0.9								
			PMZ		$m_b=5.5$		0.8	0.18						
			sP	02 11	15.0	0.6								
QZH	23.1	84	LZ		$M_s=5.4$		17.0	11.1						
			P	02 11	08.0	-0.5								
			S	02 15	12.0	-0.5								
			LN		$M_s=5.5$		16.0	8.92						
			LZ		$M_s=5.1$		16.0	5.34						
			-P	02 11	13.5	0.5								
			PMZ		$m_b=5.6$		7.0	1.93						
			sP	02 11	27.0	-0.4								
			eS	02 15	21.0	-0.2								
			LN		$M_s=5.1$		14.0	1.93						
TIA	23.6	55	LE				14.0	2.84						
			LZ		$M_s=5.0$		19.0	5.04						
			+P	02 11	25.0	1.8								
			PMZ		$m_b=5.6$		1.5	0.34						
			PMZ		$m_b=5.6$		4.0	0.90						
			sP	02 11	40.0	2.4								
			eS	02 15	39.5	0.2								
			LE		$M_s=5.0$		9.0	1.60						
			LZ		$M_s=4.6$		24.0	2.24						
			+P	02 11	30.5	-1.6								
BJI	24.6	46	PMZ		$m_b=5.0$		1.0	0.036						
			PMZ		$m_b=5.4$		5.0	0.50						
			sP	02 11	51.3	4.7								
			LN		$M_s=5.1$		10.0	1.80						
			LE				10.0	0.70						
			LZ		$M_s=4.9$		20.0	3.20						
			+P	02 11	54.0	0.4								
			PMZ		$m_b=5.8$		1.0	0.21						
			PMZ				3.0	0.43						
			LN		$M_s=4.9$		15.0	1.40						
SSE	25.6	69	LE				13.0	1.16						
			LZ		$M_s=4.7$		15.0	1.52						
			+iP	02 12	15.7	-0.4								
			PMZ		$m_b=5.3$		1.2	0.059						
			sP	02 12	28.0	-2.8								
			PcP	02 15	16.1	1.7								
			S	02 17	11.0	-1.3								
			LE		$M_s=4.8$		14.0	1.13						
			LZ		$M_s=4.8$		19.0	2.04						
			P	02 12	34.4	0.0								
DL2	27.9	53	PMZ		$m_b=5.1$		0.8	0.026						
			sP	02 12	50.0	1.0								
			PcP	02 15	16.2	-3.8								
			eS	02 17	44.0	-1.7								
			LN		$M_s=4.9$		12.0	0.89						
			LE				12.0	0.57						
			LZ		$M_s=4.9$		16.0	1.97						
			+P	02 13	00.6	-0.1								
			PMZ		$m_b=5.7$		1.4	0.20						
			LN		$M_s=5.2$		18.0	2.30						
SNY	30.4	48	LE				15.0	1.05						
			LZ		$M_s=4.6$		16.0	0.89						
			+iP	02 12	15.7	-0.4								
			PMZ		$m_b=5.3$		1.2	0.059						
			sP	02 12	28.0	-2.8								
			PcP	02 15	16.1	1.7								
			S	02 17	11.0	-1.3								
			LE		$M_s=4.8$		14.0	1.13						
			LZ		$M_s=4.8$		19.0	2.04						
			P	02 12	34.4	0.0								
CN2	32.5	46	PMZ											



		PMZ	$m_b = 5.5$	6.0	1.49	QZH	33.1 243	+P	08 42 10.0	-1.0		
		pP	08 39 56.0	-3.3				pP	08 42 24.0	1.2		
		LN	$M_s = 5.8$	12.0	15.3			LN	$M_s = 5.7$	16.0	5.35	
		LE		12.0	13.0			LE		16.0	8.31	
		LZ	$M_s = 6.0$	12.0	38.0			LZ	$M_s = 5.3$	16.0	4.74	
SNY	20.2 270	+iP	08 40 09.9	-0.9		XAN	34.0 266	+iP	08 42 18.0	-0.8		
		PMZ	$m_b = 5.7$	1.2	0.45			PMZ	$m_b = 5.8$	5.0	0.73	
		PMZ	$m_b = 6.0$	4.5	3.89			LN	$M_s = 5.6$	13.0	3.33	
		pP	08 40 22.0	0.4				LE		15.0	5.24	
		LN	$M_s = 5.7$	12.0	11.1	LZH	36.6 272	+iP	08 42 41.3	0.7		
		LE		12.0	10.6			PMZ	$m_b = 6.1$	1.5	0.47	
		LZ	$M_s = 5.6$	15.0	17.7			PMZ	$m_b = 6.0$	5.0	1.41	
DL2	22.7 264	+iP	08 40 36.0	0.1				pP	08 42 52.0	-0.3		
		PMZ	$m_b = 6.0$	1.4	1.07			sP	08 42 55.0	-2.5		
		PMZ	$m_b = 5.8$	5.0	2.10			PP	08 44 05.0	0.0		
		pP	08 40 50.0	2.8				eS	08 48 20.0	0.7		
		LN	$M_s = 5.4$	12.0	3.70			ScP	08 48 45.0	1.4		
		LE		12.0	5.74			PcS	08 48 52.0	2.9		
		LZ	$M_s = 5.0$	19.0	4.57			LN	$M_s = 5.7$	13.0	4.71	
BJI	26.1 271	+P	08 41 08.0	-0.4				LE		13.0	4.32	
		PMZ	$m_b = 5.3$	1.0	0.074			LZ	$M_s = 5.6$	16.0	7.92	
		PMZ	$m_b = 6.0$	5.0	1.74	GZH	37.8 247	-iP	08 42 51.8	1.0		
		sP	08 41 22.0	-3.2				PMZ	$m_b = 5.7$	1.3	0.17	
		LE	$M_s = 4.6$	12.0	0.79			PMZ	$m_b = 5.6$	12.0	1.08	
		LZ	$M_s = 5.5$	20.0	13.9			pP	08 43 05.3	2.5		
TIA	27.2 263	+P	08 41 17.4	-0.6				S	08 48 42.0	5.1		
		PMZ	$m_b = 5.5$	1.0	0.12			LN	$M_s = 5.9$	19.0	11.5	
		PMZ	$m_b = 5.8$	8.0	1.94			LE		19.0	5.90	
		pP	08 41 32.0	2.5				LZ	$M_s = 5.7$	18.0	9.68	
		eS	08 45 45.0	-6.1		GTA	37.9 280	+iP	08 42 52.2	0.8		
		LE	$M_s = 5.5$	12.0	5.33			PMZ	$m_b = 6.0$	1.0	0.25	
		LZ	$M_s = 5.4$	16.0	7.78			PMZ	$m_b = 6.2$	5.0	1.92	
SSE	27.3 249	+P	08 41 19.5	0.4				pP	08 43 05.0	1.8		
		PMZ	$m_b = 5.8$	1.5	0.30			sP	08 43 10.4	2.0		
		PMZ	$m_b = 6.0$	4.0	1.30			PP	08 44 17.0	-3.7		
		ipP	08 41 32.8	2.1				ScS	08 53 01.6	5.5		
		LN	$M_s = 5.7$	16.0	2.50			LE	$M_s = 5.9$	12.0	9.16	
		LE		16.0	12.8			LZ	$M_s = 5.7$	24.0	13.4	
		LZ	$M_s = 5.7$	20.0	18.4	CD2	39.4 265	+iP	08 43 04.1	0.1		
HHC	29.1 276	+P	08 41 35.6	0.4				PMZ	$m_b = 5.9$	1.0	0.19	
		PMZ	$m_b = 6.1$	1.2	0.46			PMZ	$m_b = 6.1$	5.0	1.44	
		PMZ	$m_b = 6.1$	4.0	1.57			ipP	08 43 16.7	0.8		
		S	08 46 26.0	5.2				PP	08 44 34.0	-4.6		
		LN	$M_s = 5.9$	12.0	6.07			eS	08 49 04.0	2.1		
		LE		12.0	11.5			LE	$M_s = 5.7$	15.0	5.81	
		LZ	$M_s = 5.8$	16.0	19.8			LZ	$M_s = 5.5$	18.0	6.36	
TIY	29.7 269	+P	08 41 41.5	0.2		GYA	40.1 257	+iP	08 43 09.4	-0.1		
		PMZ	$m_b = 5.5$	1.0	0.086			PMZ	$m_b = 5.2$	1.0	0.041	
		PMZ	$m_b = 5.9$	5.0	1.14			PMZ	$m_b = 6.0$	5.0	1.27	
		pP	08 41 51.0	-2.0				sP	08 43 23.0	-3.7		
		sS	08 46 53.0	0.2				PP	08 44 46.0	0.4		
		LN	$M_s = 5.4$	14.0	4.67			S	08 49 11.0	0.3		
		LZ	$M_s = 5.4$	20.0	9.25			sS	08 49 36.0	3.8		
BTO	30.2 276	-iP	08 41 45.5	-0.2				ScS	08 53 13.0	4.3		
		PMZ	$m_b = 5.6$	1.4	0.16			LN	$M_s = 5.9$	17.0	8.40	
		PMZ	$m_b = 5.9$	5.0	1.06			LE		17.0	6.51	
		PP	08 42 49.0	4.4				LZ	$M_s = 5.7$	18.0	9.88	
		S	08 46 44.0	4.5		KMI	43.6 259	+P	08 43 39.0	0.2		
		LN	$M_s = 5.9$	15.0	8.60			PMZ	$m_b = 5.9$	1.5	0.30	
		LE		15.0	14.2			PMZ	$m_b = 6.1$	4.0	1.20	
WHN	32.2 256	+P	08 42 02.0	-1.1				pP	08 43 53.0	2.4		
		PMZ	$m_b = 5.3$	1.1	0.054			iS	08 50 06.0	1.6		
		PMZ	$m_b = 5.9$	4.0	0.89			LN	$M_s = 5.5$	15.0	2.70	
		pP	08 42 16.0	1.2				LE		15.0	1.50	
		eS	08 47 06.0	-5.6				LZ	$M_s = 5.6$	18.0	6.90	
		LN	$M_s = 5.7$	14.0	2.43	WMQ	44.2 292	+iP	08 43 44.3	0.8		
		LE		16.0	9.05			PMZ	$m_b = 5.3$	1.2	0.058	
		LZ	$M_s = 5.6$	18.0	10.8			PMZ	$m_b = 6.3$	6.0	2.45	



		LZ	$M_s=4.4$	23.0	0.79	GTA	15.0	37	P	19 56 13.0	-2.9			
XAN	32.6	298	+P	19 47 35.5	-1.2				PMZ	$m_b=4.7$				
BTO	33.6	310	P	19 47 45.0	-0.3				pP	19 56 25.0	-0.3			
			PMZ	$m_b=5.3$		1.4	0.074		LE	$M_s=3.9$		10.0	0.32	
			ePP	19 48 59.0	1.0				LZ	$M_s=4.1$		16.0	0.81	
GYA	34.0	284	P	19 47 48.6	-0.2			KSH	15.4	322	P	19 56 15.5	-4.6	
			PMZ	$m_b=5.1$		1.2	0.035	LZH	15.6	55	+P	19 56 22.0	-1.5	
			sP	19 48 10.0	0.3						PMZ	$m_b=5.5$	1.5	0.32
			S	19 53 02.0	-5.4						PP	19 56 38.5	2.7	
			sS	19 53 29.0	-4.4						sP	19 56 44.0	4.1	
			LZ	$M_s=4.8$		26.0	2.21	WMQ	15.9	359	P	19 56 26.0	-0.5	
CD2	36.6	291	+iP	19 48 10.4	-0.3						PMZ	$m_b=4.5$	1.2	0.024
			PMZ	$m_b=5.5$		1.2	0.093				pP	19 56 36.0	-0.1	
			eS	19 53 45.0	-3.3						sP	19 56 39.5	-3.6	
			LN	$M_s=4.9$		14.0	1.12				LN	$M_s=4.5$	8.0	0.53
			LZ	$M_s=4.6$		20.0	1.02				LE		8.0	0.57
LZH	37.1	300	+P	19 48 15.0	0.1						LZ	$M_s=4.1$	16.0	0.81
			PMZ	$m_b=5.5$		2.0	0.18	GYA	16.6	91	-iP	19 56 35.0	-0.4	
			pP	19 48 30.5	1.2						PMZ	$m_b=5.2$	0.8	0.093
			sP	19 48 36.0	0.1			XAN	18.9	66	P	19 57 02.0	-1.3	
			PcP	19 50 31.5	-2.1						PMZ	$m_b=5.0$	0.6	0.043
			eS	19 53 53.0	-3.1			QZN	21.8	109	-iP	19 57 35.5	1.5	
			sS	19 54 17.5	-3.4						PMZ	$m_b=4.6$	0.7	0.020
			PcS	19 54 25.0	4.4						eS	20 01 28.0	1.8	
			ScS	19 58 24.0	4.0			BTO	22.0	49	-iP	19 57 37.5	0.9	
			LN	$M_s=4.9$		8.0	0.59	TIY	22.6	58	eP	19 57 42.7	0.4	
			LZ	$M_s=4.6$		22.0	1.13				PMZ	$m_b=5.3$	1.0	0.14
KMI	37.6	282	+P	19 48 19.5	0.1						pP	19 57 56.5	1.9	
			PMZ	$m_b=5.7$		1.6	0.22				LN	$M_s=4.2$	12.0	0.39
			sP	19 48 38.5	-1.9						LZ	$M_s=4.3$	20.0	1.00
			eS	19 54 04.0	-0.2			WHN	23.0	77	+P	19 57 48.0	1.6	
			LN	$M_s=4.8$		8.0	0.44				PMZ	$m_b=5.1$	1.0	0.093
			LE			8.0	0.18				pP	19 58 00.5	1.6	
			LZ	$M_s=4.8$		26.0	1.75	HHC	23.2	50	+P	19 57 50.0	2.0	
GTA	40.8	304	+iP	19 48 46.0	0.1						PMZ	$m_b=4.9$	0.8	0.048
			PMZ	$m_b=5.8$		3.5	0.50				eS	20 01 49.0	-2.7	
			pP	19 48 58.0	-2.4						LN	$M_s=4.6$	12.0	0.41
			sP	19 49 10.0	3.0						LE		10.0	0.72
			S	19 54 50.0	-1.0			TIA	25.9	64	eP	19 58 14.6	1.0	
			LE	$M_s=5.0$		9.0	0.69	BJI	26.1	55	eP	19 58 17.0	1.1	
			LZ	$M_s=4.8$		25.0	1.59				PMZ	$m_b=4.8$	1.2	0.029
LSA	47.5	290	+P	19 49 41.6	1.5			SSE	28.9	76	-P	19 58 41.5	0.4	
WMQ	50.4	309	+iP	19 50 02.0	-0.2						PMZ	$m_b=4.9$	1.0	0.027
			PMZ	$m_b=4.8$		1.2	0.013				sP	19 59 01.5	1.5	
			sP	19 50 27.0	3.6			DL2	29.9	60	eP	19 58 51.1	1.1	
			PcP	19 51 15.0	-3.7						PMZ	$m_b=5.1$	0.8	0.030
			S	19 57 12.0	3.7			SNY	32.0	55	-P	19 59 09.2	0.6	
			sS	19 57 40.0	4.7						PMZ	$m_b=5.1$	1.2	0.043
			ScS	19 59 45.0	2.2			CN2	33.8	52	P	19 59 25.0	0.5	
			LN	$M_s=5.3$		8.0	0.61				PMZ	$m_b=4.9$	1.0	0.018
			LE			8.0	0.69				sP	19 59 45.0	1.5	
			LZ	$M_s=4.9$		20.0	1.16							
KSH	59.3	303	P	19 51 07.0	0.7									
			PMZ	$m_b=6.1$		1.8	0.44							
			pP	19 51 25.0	3.7									
			sS	19 59 35.0	1.0									
<p>DEC 21d 19h 52m $44.8 \pm 0.05s$, SD1.47 / 96 $27.91 N \pm 0.74km$, $88.10 E \pm 0.51km$, $h55 \pm 0.11km$ Nepal (310) $M_s4.4 / 7$, $M_L3.8 / 1$, $m_b5.0 / 43$</p>														
LSA	3.2	56	+iP	19 53 39.4	4.6									
			SMN	$M_L=3.8$		0.4	0.32							
			SME			0.4	0.32							
KMI	13.4	98	eP	19 55 53.5	-1.0									
			PMZ	$m_b=5.9$		0.5	0.11							
			pP	19 55 59.0	-4.5									
CD2	14.0	74	eP	19 56 01.4	-0.4									
<p>DEC 21d 22h 02m $10.0 \pm 0.03s$, SD1.16 / 99 $8.31 N \pm 0.76km$, $82.77 W \pm 0.76km$, $h24 \pm 0.16km$ Off coast of Costa Rica (77) $m_b5.1 / 26$,</p>														
HHC	129.3	346	PKP	22 21 19.0	1.0									
GTA	132.5	357	PKP	22 21 24.0	0.0									
			PP	22 23 43.7	-6.3									
			LZ	$M_s=5.4$		16.0	0.52							
GYA	144.2	345	-iPKP	22 21 44.0	-1.2									
<p>DEC 21d 22h 09m $23.1 \pm 0.05s$, SD2.17 / 24 $23.96 N \pm 0.58km$, $121.47 E \pm 0.67km$, $h23 \pm 0.77km$ Taiwan (244) $M_s3.7 / 1$, $M_L3.9 / 10$, $m_b4.5 / 2$</p>														
QZH	2.8	291	ePn	22 10 05.2	-1.8									
			Sn	22 10 37.5	-4.2									

		SMN		$M_L=3.6$	0.7	0.40			pP	08 49 27.1	0.7		
		SME			0.7	0.17			sP	08 49 33.5	3.7		
SSE	7.1 358	P	22 11 05.0	-3.5					S	08 54 15.0	4.0		
		S	22 12 24.8	-4.4					SS	08 55 41.0	-4.5		
		SMN		$M_L=3.7$	1.0	0.026			LE	$M_B=6.9$		19.0	212
		SME			1.0	0.040			LZ	$M_B=6.9$		18.0	257
WHN	9.1 318	eP	22 11 40.5	4.1			BTO	30.1 275	-iP	08 49 23.0	0.1		
TIY	15.7 333	eP	22 13 07.6	2.3					PMZ	$m_b=5.6$		1.0	0.11
HHC	18.8 336	eP	22 13 44.2	0.7					PMZ	$m_b=6.3$		7.0	4.19
GTA	23.9 315	eP	22 14 36.0	-0.8					pP	08 49 31.0	0.6		
									PP	08 50 18.5	-2.2		
									LN	$M_B=6.9$		13.0	91.0
									LE			13.0	84.6
							WHN	32.2 255	+iP	08 49 41.5	0.1		
									PMZ	$m_b=5.8$		1.0	0.16
									PMZ	$m_b=6.9$		6.0	12.4
									S	08 54 56.0	4.6		
									LE	$M_B=6.9$		16.0	145
							QZH	33.2 243	+iP	08 49 50.0	0.0		
									PMZ	$m_b=6.9$		1.6	3.05
									PMZ	$m_b=7.4$		4.0	23.1
									pP	08 49 59.0	1.4		
									S	08 55 09.0	2.3		
									LE	$M_B=7.1$		22.0	312
							XAN	34.0 265	+iP	08 49 56.0	-0.6		
									PMZ	$m_b=5.6$		0.8	0.080
									PMZ	$m_b=7.2$		4.0	14.1
									S	08 55 24.0	5.6		
									LN	$M_B=7.2$		14.0	177
									LE			14.0	171
							LZH	36.5 272	+iP	08 50 19.0	0.9		
									PMZ	$m_b=6.5$		1.8	1.70
									PMZ	$m_b=7.2$		5.0	19.2
									pP	08 50 29.0	3.4		
									PcS	08 56 30.0	2.1		
							GTA	37.7 279	+iP	08 50 28.7	0.1		
									PMZ	$m_b=6.5$		1.2	1.11
									PMZ	$m_b=7.3$		10.0	50.2
									S	08 56 16.0	-0.2		
									PcS	08 56 37.0	4.5		
									LE	$M_B=7.2$		13.0	174
									LZ	$M_B=6.9$		25.0	254
							GZH	37.9 246	+iP	08 50 30.6	1.0		
									PMZ	$m_b=5.9$		1.0	0.19
									PMZ	$m_b=7.0$		5.0	13.5
									pP	08 50 38.5	1.1		
									LN	$M_B=7.2$		24.0	330
									LE			24.0	134
							CD2	39.3 265	+iP	08 50 41.5	-0.4		
									PMZ	$m_b=6.7$		0.8	0.97
									PMZ	$m_b=7.2$		6.0	27.5
									PP	08 52 20.0	4.0		
									iS	08 56 38.0	-3.7		
									LE	$M_B=7.5$		15.0	415
									LZ	$M_B=6.7$		26.0	133
							GYA	40.0 257	+iP	08 50 48.0	0.2		
									PMZ	$m_b=5.8$		1.2	0.19
									PMZ	$m_b=6.8$		5.0	7.21
									S	08 56 53.0	1.8		
									sS	08 57 06.0	1.0		
									LN	$M_B=7.2$		17.0	186
									LE			17.0	112
									LZ	$M_B=6.7$		22.0	117
							QZN	43.0 246	+P	08 51 13.0	0.5		
									PMZ	$m_b=6.1$		1.4	0.45
									PP	08 52 52.0	-2.6		
									sS	08 57 51.0	1.4		
									LN	$M_B=7.2$		19.0	150

DEC 22d 08h 43m $12.4 \pm 0.03s$, SD0.97 / 590
 $45.58 N \pm 0.84km$, $151.01 E \pm 0.61km$, $h24 \pm 0.05km$
 Kurile Islands (221)
 $M_S 7.2 / 64$, $m_b 6.9 / 45$, $m_b 6.1 / 129$

BJI	26.3	272	eP	10 05 01.0	0.5		
			PMZ	$m_b=4.9$		1.5	0.039
TIA	27.3	263	eP	10 05 09.8	0.0		
SSE	27.3	250	+P	10 05 12.5	2.0		
			PMZ	$m_b=4.9$		1.4	0.039
			sP	10 05 27.8	4.4		
HHC	29.2	276	P	10 05 28.0	0.6		
			PMZ	$m_b=5.3$		1.0	0.058
TIY	29.9	270	eP	10 05 33.4	0.1		
BTO	30.4	276	eP	10 05 37.9	-0.1		
WHN	32.3	256	+eP	10 05 55.0	0.3		
XAN	34.2	266	eP	10 06 10.5	-0.2		
LZH	36.7	273	eP	10 06 33.5	0.8		
			PMZ	$m_b=5.3$		1.2	0.064
GTA	38.0	280	+iP	10 06 44.6	0.9		
			PMZ	$m_b=5.3$		1.0	0.048
CD2	39.5	266	eP	10 06 56.5	0.6		
			PMZ	$m_b=5.4$		0.8	0.046
GYA	40.2	258	P	10 07 02.0	0.8		
			PMZ	$m_b=4.5$		1.0	0.0080
WMQ	44.4	292	P	10 07 36.0	0.0		
			PMZ	$m_b=5.0$		0.6	0.013
			pP	10 07 46.0	0.8		
LSA	49.1	273	P	10 08 15.4	1.7		

DEC 22d 10h 20m $51.9 \pm 0.07s$, SD1.12 / 149
 45.62 N $\pm 1.11km$, 151.59 E $\pm 0.94km$, $h31 \pm 0.12km$
 Kurile Islands (221)
 $M_S 6.6 / 1$, $m_b 5.1 / 73$,

MDJ	15.6	274	eP	10 24 31.4	0.5		
			PMZ	$m_b=5.5$		1.2	0.29
			pP	10 24 34.5	-3.4		
CN2	18.6	274	eP	10 25 08.0	-1.7		
			PMZ	$m_b=5.0$		0.8	0.063
			epP	10 25 15.5	-1.3		
SNY	20.5	269	-P	10 25 30.6	-0.2		
			PMZ	$m_b=4.9$		1.0	0.055
DL2	23.1	264	P	10 25 57.5	1.3		
			PMZ	$m_b=4.8$		1.0	0.043
BJI	26.4	271	eP	10 26 28.0	-0.1		
			PMZ	$m_b=5.2$		1.0	0.052
TIA	27.5	262	eP	10 26 38.6	0.5		
SSE	27.7	249	+P	10 26 41.0	1.1		
			PMZ	$m_b=4.5$		1.2	0.013
			pP	10 26 50.5	2.0		
HHC	29.3	275	P	10 26 54.8	0.3		
			PMZ	$m_b=5.0$		0.8	0.024
TIY	30.1	269	eP	10 27 01.4	0.4		
WHN	32.6	256	+eP	10 27 23.2	-0.3		
			PMZ	$m_b=5.1$		1.0	0.031
			pP	10 27 32.5	0.3		
XAN	34.4	266	P	10 27 38.5	-0.2		
LZH	36.9	272	+P	10 28 00.5	0.5		
			PMZ	$m_b=5.3$		1.5	0.082
GTA	38.1	280	P	10 28 11.2	0.8		
			PMZ	$m_b=5.3$		1.0	0.057
			pP	10 28 24.1	4.9		
CD2	39.7	265	+iP	10 28 24.5	0.7		
			PMZ	$m_b=5.7$		0.8	0.10
GYA	40.4	257	+iP	10 28 30.2	0.5		
			PMZ	$m_b=5.0$		1.0	0.026
WMQ	44.3	292	P	10 29 02.5	0.8		
			PMZ	$m_b=5.0$		1.0	0.021
			S	10 35 35.0	2.3		
			LN	$M_S=6.6$		12.0	20.2
			LE			12.0	20.8
LSA	49.3	273	+P	10 29 42.8	1.9		

DEC 22d 11h 51m $10.2 \pm 0.04s$, SD1.15 / 123
 45.47 N $\pm 1.52km$, 151.84 E $\pm 0.90km$, $h29 \pm 0.33km$
 Kurile Islands region (222)
 $m_b 5.0 / 53$,

MDJ	15.7	275	-P	11 54 52.0	0.2		
			PMZ	$m_b=5.4$		0.9	0.17
			pP	11 54 54.5	-4.1		
CN2	18.8	274	eP	11 55 28.0	-2.5		
			PMZ	$m_b=4.8$		0.8	0.041
			epP	11 55 33.5	-3.9		
SNY	20.7	270	-P	11 55 51.0	-0.2		
			PMZ	$m_b=4.9$		1.0	0.058
BJI	26.6	271	eP	11 56 50.0	1.7		
			PMZ	$m_b=4.6$		1.0	0.015
HHC	29.5	275	+P	11 57 15.6	0.8		
			PMZ	$m_b=5.3$		1.0	0.051
TIY	30.2	269	eP	11 57 21.5	0.4		
BTO	30.7	276	eP	11 57 25.5	0.2		
XAN	34.5	266	P	11 57 58.5	-0.2		
LZH	37.0	273	+iP	11 58 21.4	1.3		
			PMZ	$m_b=5.5$		1.0	0.091
GTA	38.3	280	+iP	11 58 31.6	1.0		
			PMZ	$m_b=5.6$		1.0	0.11
			sP	11 58 43.7	1.0		
CD2	39.9	266	eP	11 58 43.9	0.2		
			PMZ	$m_b=5.0$		0.8	0.020
GYA	40.6	258	P	11 58 49.6	0.1		
WMQ	44.6	292	P	11 59 22.5	0.5		
			pP	11 59 29.0	-1.6		
LSA	49.5	273	P	12 00 02.5	1.6		

DEC 22d 15h 04m $22.2 \pm 0.05s$, SD1.37 / 77
 45.03 N $\pm 1.47km$, 151.50 E $\pm 0.99km$, $h33 \pm 0.27km$
 Kurile Islands region (222)
 $m_b 4.9 / 19$,

MDJ	15.6	276	eP	15 08 01.0	0.2		
CN2	18.6	275	eP	15 08 37.6	-1.9		
			PMZ	$m_b=4.2$		0.8	0.010
			epP	15 08 46.0	-1.0		
			LZ	$M_S=4.1$		15.0	0.70
SNY	20.5	271	-P	15 08 59.2	-0.9		
			PMZ	$m_b=4.4$		1.2	0.025
BJI	26.4	272	eP	15 09 59.0	1.4		
HHC	29.3	276	P	15 10 24.8	0.4		
			PMZ	$m_b=4.7$		0.8	0.012
			LZ	$M_S=4.4$		18.0	0.85
BTO	30.5	276	eP	15 10 40.0	5.0		
LZH	36.8	273	eP	15 11 30.0	0.3		
			PMZ	$m_b=5.0$		1.4	0.036
			pP	15 11 40.0	1.3		
			sP	15 11 44.5	1.8		
GTA	38.1	280	+P	15 11 41.1	0.4		
			PMZ	$m_b=4.9$		1.0	0.020
CD2	39.6	266	eP	15 11 53.1	0.3		
WMQ	44.5	292	P	15 12 33.0	0.1		
LSA	49.3	273	P	15 13 12.2	1.6		

DEC 22d 17h 07m $13.1 \pm 0.07s$, SD1.10 / 163
 45.08 N $\pm 1.13km$, 151.12 E $\pm 0.86km$, $h35 \pm 0.13km$
 Kurile Islands region (222)
 $M_S 4.8 / 19$, $m_b 5.5 / 1$, $m_b 5.1 / 86$

MDJ	15.3	276	eP	17 10 48.5	0.4		
			PMZ	$m_b=5.5$		1.0	0.22
			sP	17 11 03.1	2.7		
			LN	$M_S=4.6$		14.0	1.57
			LE			16.0	1.87
			LZ	$M_S=4.3$		16.0	1.34
CN2	18.4	275	eP	17 11 25.2	-1.7		



				DEC 22d 19h 34m 33.1 ± 0.06s, SD2.68 / 12					
				26.61 N ± 0.57km, 102.89 E ± 0.59km, h16 ± 0.17km					
				Sichuan Province (307)					
				M _L 3.3 / 6,					
		PMZ	m _b = 4.4	0.6	0.011				
		epP	17 11 33.0	-1.7					
		eS	17 14 45.0	-2.4					
		LN	M _S = 4.7	14.0	1.04				
		LE		14.0	1.59	KMI	1.5 185	+Pg	19 34 57.5 -1.9
		LZ	M _S = 4.8	16.0	3.34			Sg	19 35 14.5 -4.7
SNY	20.2 271	+P	17 11 47.4	-0.6				SMN	M _L = 3.3 0.8 0.34
		PMZ	m _b = 5.1	1.2	0.12			SME	0.8 0.48
		LZ	M _S = 4.6	16.0	1.76	GYA	3.4 92	Pg	19 35 33.8 0.7
BJI	26.1 271	eP	17 12 46.0	0.2		CD2	4.3 10	Pn	19 35 41.0 1.9
		PMZ	m _b = 5.1	1.4	0.069			ePg	19 35 54.0 4.1
		eS	17 17 16.0	3.3				Sg	19 36 51.1 1.7
		LE	M _S = 4.7	14.0	1.05			SMN	M _L = 3.2 0.7 0.029
		LZ	M _S = 4.3	21.0	0.92			SME	1.0 0.058
SSE	27.2 249	-P	17 12 57.3	1.3					
		PMZ	m _b = 5.1	1.2	0.051				
		pP	17 13 06.0	0.7					
		LN	M _S = 4.7	16.0	0.60				
		LE		16.0	1.00				
		LZ	M _S = 4.5	20.0	1.30	MDJ	15.7 275	eP	20 46 48.3 -0.1
HHC	29.0 276	+P	17 13 13.1	0.4				PMZ	m _b = 5.4 1.1 0.19
		PMZ	m _b = 5.5	1.0	0.097			sP	20 46 58.0 -2.4
		LN	M _S = 4.9	12.0	0.61			LN	M _S = 4.4 16.0 0.55
		LE		15.0	1.59			LE	16.0 1.25
		LZ	M _S = 5.0	15.0	2.95			LZ	M _S = 4.1 16.0 0.89
BTO	30.2 276	P	17 13 23.0	-0.3		CN2	18.8 275	eP	20 47 25.0 -2.1
		PMZ	m _b = 4.9	1.2	0.025			PMZ	m _b = 4.7 1.0 0.039
		pP	17 13 29.0	-3.6				epP	20 47 30.0 -4.5
		eS	17 18 22.0	2.5				eS	20 50 50.0 -2.4
		LN	M _S = 4.9	15.0	0.74			LN	M _S = 4.3 14.0 0.42
		LE		15.0	1.50			LE	14.0 0.59
WHN	32.2 256	+eP	17 13 40.0	-0.2				LZ	M _S = 4.4 16.0 1.41
		pP	17 13 52.0	2.4		SNY	20.7 270	-P	20 47 47.2 -0.4
XAN	34.0 266	P	17 13 56.4	0.3				PMZ	m _b = 4.8 1.2 0.062
LZH	36.6 273	+P	17 14 19.0	0.9				LZ	M _S = 4.4 16.0 1.06
		PMZ	m _b = 5.5	1.5	0.14	BJI	26.6 271	eP	20 48 46.0 1.3
		pP	17 14 30.0	2.5				PMZ	m _b = 5.1 1.0 0.044
		sP	17 14 35.0	3.4				eS	20 53 20.0 4.7
		LE	M _S = 4.6	13.0	0.50			LN	M _S = 4.3 14.0 0.50
		LZ	M _S = 4.5	20.0	0.74			LZ	M _S = 4.4 18.0 0.88
GTA	37.9 280	+iP	17 14 29.7	0.6		TIA	27.6 263	eP	20 48 53.7 -0.7
		PMZ	m _b = 5.6	0.8	0.090	SSE	27.7 250	P	20 48 57.0 1.5
		PMZ	m _b = 5.5	3.5	0.31			PMZ	m _b = 4.4 1.0 0.0090
		sP	17 14 45.0	2.3				LE	M _S = 4.3 14.0 0.40
		PcP	17 16 46.2	1.6				LZ	M _S = 4.1 20.0 0.50
		ScS	17 24 39.1	3.4		HHC	29.5 276	-P	20 49 11.8 0.5
		LE	M _S = 4.9	12.0	0.84			PMZ	m _b = 4.8 0.8 0.016
		LZ	M _S = 4.9	14.0	1.17			LN	M _S = 4.7 14.0 0.43
CD2	39.4 266	+iP	17 14 41.9	0.6				LE	15.0 0.94
		PMZ	m _b = 5.4	0.9	0.062			LZ	M _S = 4.7 16.0 1.42
GYA	40.0 258	P	17 14 47.2	0.5		TIY	30.2 269	-P	20 49 18.3 0.8
		PMZ	m _b = 4.8	1.0	0.016			S	20 54 15.5 2.7
		LN	M _S = 5.1	18.0	1.15			LZ	M _S = 4.2 20.0 0.50
		LE		18.0	1.70	BTO	30.7 276	eP	20 49 21.0 -0.9
		LZ	M _S = 4.7	20.0	1.06			LN	M _S = 4.7 15.0 0.44
KMI	43.5 260	+P	17 15 16.0	0.0				LE	15.0 0.88
		PMZ	m _b = 5.5	1.5	0.10	WHN	32.7 256	eP	20 49 39.0 -0.4
		pP	17 15 28.0	2.5		XAN	34.5 266	-P	20 49 55.2 0.2
WMQ	44.2 292	P	17 15 22.0	0.5				PMZ	m _b = 5.0 0.5 0.012
		PMZ	m _b = 4.9	1.0	0.019	LZH	37.0 273	+P	20 50 17.5 0.9
		pP	17 15 31.0	-0.1				PMZ	m _b = 5.4 1.5 0.096
		sP	17 15 40.0	4.8				LZ	M _S = 4.2 20.0 0.40
		eS	17 21 59.0	6.4		GTA	38.3 280	P	20 50 27.8 0.5
		LN	M _S = 5.1	8.0	0.49			PMZ	m _b = 5.3 0.6 0.032
		LE		8.0	0.57			LE	M _S = 4.5 14.0 0.41
		LZ	M _S = 4.9	16.0	1.18			LZ	M _S = 4.6 16.0 0.70
LSA	49.0 273	eP	17 16 00.8	1.6		CD2	39.9 266	-iP	20 50 41.2 1.1
								PMZ	m _b = 5.6 0.8 0.075



GYA	40.5	258	P	20 50	47.2	1.5		
			PMZ		$m_b = 4.6$	1.0	0.0090	
WMQ	44.6	292	P	20 51	19.0	0.1		
			PMZ		$m_b = 5.1$	1.0	0.028	
			LZ		$M_S = 4.7$	16.0	0.74	
LSA	49.4	273	+P	20 51	59.4	2.0		

DEC 22d 21h 15m $42.1 \pm 0.03s$, SD1.21 / 345
 $4.86 S \pm 0.76km$, $103.16 E \pm 0.90km$, $h57 \pm 0.22km$
 Southern Sumatera (274)
 $M_S 5.0 / 20$, $m_b 5.7 / 3$, $m_b 5.8 / 97$

QZN	24.6	15	P	21 21	00.2	1.3		
			PMZ		$m_b = 5.0$	0.8	0.049	
			sP	21 21	18.0	-0.2		
			eS	21 25	10.0	-3.2		
			LN		$M_S = 4.6$	13.0	0.62	
			LE			14.0	0.77	
KMI	29.8	359	+P	21 21	47.0	0.3		
			PMZ		$m_b = 6.0$	1.0	0.26	
			eS	21 26	40.0	2.1		
			LN		$M_S = 4.8$	10.0	0.76	
			LE			10.0	0.41	
			LZ		$M_S = 5.0$	16.0	2.76	
GYA	31.3	6	-iP	21 22	00.0	0.3		
			PMZ		$m_b = 5.3$	1.2	0.068	
			PcP	21 24	52.0	0.3		
			LZ		$M_S = 4.7$	20.0	1.50	
QZH	33.2	26	P	21 22	17.0	1.0		
CD2	35.6	1	+iP	21 22	35.3	-1.1		
			PMZ		$m_b = 6.1$	1.0	0.34	
			eS	21 28	05.5	-1.6		
			LN		$M_S = 5.3$	17.0	3.13	
			LZ		$M_S = 5.1$	18.0	2.82	
LSA	36.2	342	+iP	21 22	42.5	0.0		
			PMZ		$m_b = 5.6$	0.8	0.087	
			S	21 28	16.0	-0.4		
WHN	36.8	16	+P	21 22	47.5	0.9		
			PMZ		$m_b = 5.7$	1.0	0.13	
			LZ		$M_S = 4.8$	24.0	2.03	
XAN	39.1	8	+P	21 23	05.0	-0.7		
			PMZ		$m_b = 5.8$	0.8	0.13	
			sP	21 23	26.1	0.4		
			S	21 29	00.0	0.6		
			LN		$M_S = 4.9$	11.0	0.62	
			LE			11.0	0.46	
SSE	39.7	25	+P	21 23	12.0	1.3		
			PMZ		$m_b = 5.8$	1.0	0.14	
			PMZ		$m_b = 5.7$	4.0	0.50	
			sP	21 23	32.3	1.5		
			PcP	21 25	17.0	0.7		
			S	21 29	08.0	-0.6		
			LN		$M_S = 4.7$	12.0	0.30	
			LE			12.0	0.40	
			LZ		$M_S = 4.6$	20.0	0.90	
LZH	40.7	1	+iP	21 23	19.7	0.1		
			PMZ		$m_b = 6.0$	1.4	0.36	
			PMZ		$m_b = 5.6$	5.0	0.47	
			pP	21 23	35.0	1.7		
			sP	21 23	42.5	3.0		
			PcP	21 25	21.0	1.4		
			ScP	21 29	05.0	2.4		
			PcS	21 29	12.0	2.9		
			eS	21 29	24.0	-1.6		
			sS	21 29	45.0	-4.2		
			ScS	21 33	18.0	2.1		
			LN		$M_S = 5.0$	14.0	1.03	
			LZ		$M_S = 5.0$	18.0	1.72	
TIA	42.9	17	P	21 23	36.6	-0.6		

TIY	43.2	11	PMZ		$m_b = 6.6$	1.0	0.89	
			+P	21 23	39.5	-0.4		
			PMZ		$m_b = 5.9$	1.0	0.20	
			LN		$M_S = 5.3$	20.0	2.27	
			LE			20.0	1.96	
			LZ		$M_S = 5.1$	20.0	2.50	
GTA	44.2	356	+iP	21 23	47.4	-0.2		
			PMZ		$m_b = 6.2$	0.6	0.22	
			PMZ		$m_b = 5.7$	4.0	0.49	
			pP	21 24	00.0	-1.4		
			sP	21 24	11.0	3.5		
			LN		$M_S = 5.2$	16.0	1.55	
			LZ		$M_S = 5.3$	18.0	3.26	
BTO	45.7	7	eP	21 23	59.0	-0.6		
			PMZ		$m_b = 5.6$	1.0	0.081	
			LN		$M_S = 5.0$	17.0	0.51	
			LE			17.0	1.00	
HHC	46.1	9	+iP	21 24	03.9	0.6		
			PMZ		$m_b = 6.1$	0.9	0.26	
			eS	21 30	48.0	3.9		
			LN		$M_S = 5.0$	13.0	0.46	
			LE			16.0	0.86	
			LZ		$M_S = 4.9$	22.0	1.68	
BJI	46.3	14	eP	21 24	04.0	-0.1		
			PMZ		$m_b = 6.0$	1.0	0.19	
			eS	21 30	42.0	-3.5		
			LN		$M_S = 5.2$	20.0	1.79	
			LZ		$M_S = 4.9$	22.0	1.55	
SNY	50.1	20	+P	21 24	32.2	-1.4		
			PMZ		$m_b = 5.5$	1.2	0.081	
WMQ	50.4	346	+iP	21 24	36.5	0.0		
			PMZ		$m_b = 5.8$	1.2	0.13	
			pP	21 24	50.0	-0.4		
			sP	21 24	58.0	1.5		
			S	21 31	47.0	4.1		
			sS	21 32	08.0	-0.4		
			LZ		$M_S = 4.9$	18.0	1.20	
KSH	50.8	333	+P	21 24	39.0	-0.5		
			sP	21 25	00.0	0.6		
			S	21 31	52.0	3.8		
CN2	52.4	20	+iP	21 24	50.2	-1.5		
			PMZ		$m_b = 6.6$	1.2	0.81	
			PMZ			3.0	0.51	
			pP	21 25	05.0	-0.8		
			PcP	21 26	00.0	-0.7		
			LN		$M_S = 5.0$	15.0	0.49	
			LE			15.0	0.50	
			LZ		$M_S = 4.8$	22.0	0.93	

DEC 22d 21h 55m $36.7 \pm 0.03s$, SD1.30 / 233
 $56.37 N \pm 0.50km$, $156.10 W \pm 0.61km$, $h32 \pm 0.34km$
 South of Alaska (17)
 $M_S 4.9 / 1$, $m_b 5.0 / 43$,

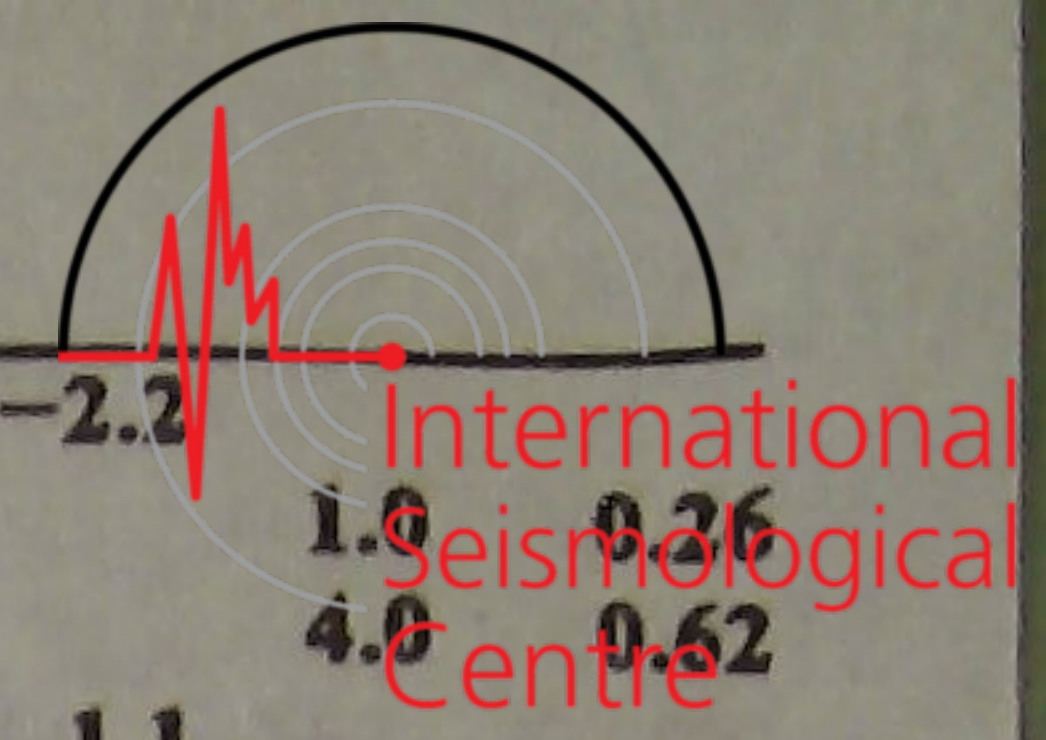
MDJ	46.4	288	eP	22 04	02.8	-0.1		
SNY	51.5	290	-P	22 04	42.0	-0.2		
			PMZ		$m_b = 5.4$	1.4	0.075	
BJI	56.7	293	eP	22 05	19.0	-1.0		
HHC	58.4	297	P	22 05	31.8	-0.4		
			PMZ		$m_b = 5.4$	0.9	0.047	
BTO	59.3	298	eP	22 05	38.0	-0.8		
TIY	60.3	294	eP	22 05	45.1	-0.6		
			LZ		$M_S = 4.6$	20.0	0.50	
WHN	64.9	288	eP	22 06	15.9	0.0		
XAN	65.0	294	eP	22 06	15.5	-1.0		
			PMZ		$m_b = 5.1$	0.5	0.012	
GTA	65.1	304	+P	22 06	16.3	-1.2		
			PMZ		$m_b = 5.3$	0.8	0.034	
			pP	22 06	28.0	1.2		



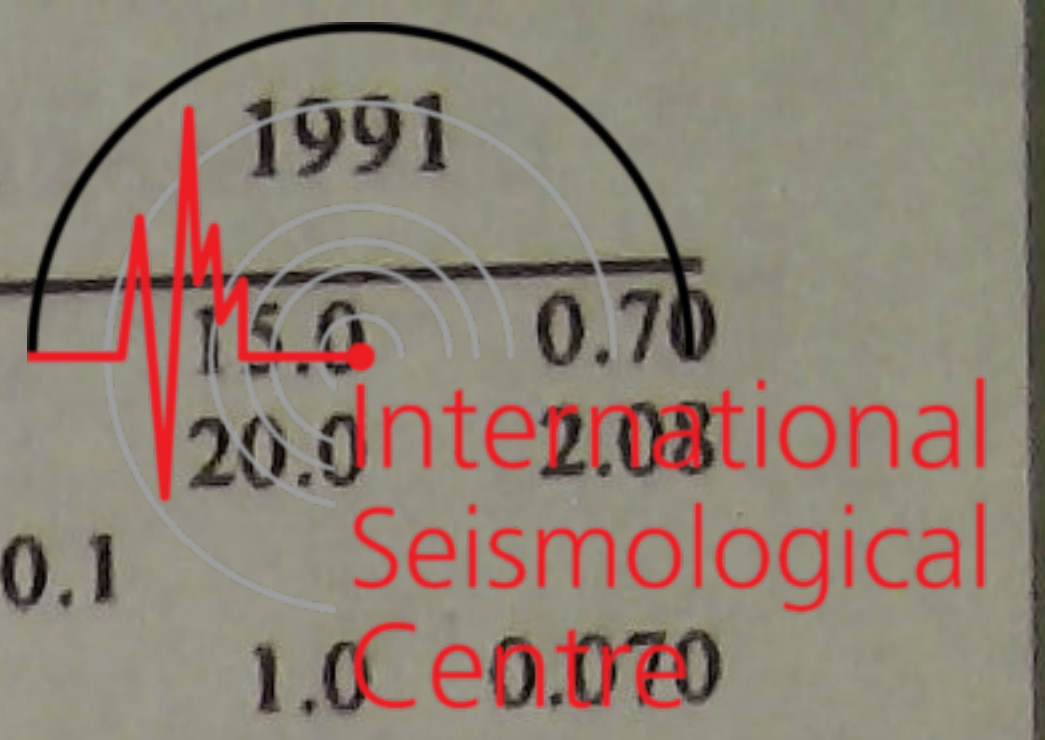
				M _S		M _b		M _g	
LZH	65.9	299	sP	22 06	34.7	4.1			
			S	22 14	56.7	1.1			
			LN		M _S =4.9	15.0	0.35	HHC	29.4 275
			LZ		M _S =5.0	18.0	0.87		
			eP	22 06	21.8	-0.6			
			pP	22 06	35.0	3.4			
			sP	22 06	40.0	4.6			
			LZ		M _S =4.6	18.0	0.39		
WMQ	66.7	315	P	22 06	27.5	0.0		TIY	30.1 269
CD2	70.1	296	eP	22 06	48.4	-0.1			
			PMZ		m _b =5.1	1.0	0.027		
GYA	72.2	291	-iP	22 07	02.0	0.6			
			PMZ		m _b =4.9	0.8	0.013	BTO	30.6 275
			S	22 16	20.0	0.4			
LSA	77.2	305	P	22 07	31.4	1.1			
<p>DEC 23d 00h 16m 59.6±0.04s, SD1.02 / 243 45.68 N±0.93km, 151.68 E±0.58km, h45±0.10km Kurile Islands (221) M_S5.1 / 39, m_b5.5 / 11, m_g5.2 / 107</p>									
MDJ	15.6	274	eP	00 20	37.2	-1.2			
			PMZ		m _b =6.0	0.9	0.63	QZH	33.7 243
			ScP	00 29	09.8	2.6			
			S	00 23	34.0	4.8			
			SS	00 23	52.0	4.0		XAN	34.4 266
			LN		M _S =5.0	14.0	1.96		
			LE			17.0	5.92		
			LZ		M _S =4.7	18.0	3.63		
CN2	18.7	274	+P	00 21	15.0	-1.9		LZH	36.9 272
			PMZ		m _b =5.3	0.8	0.12		
			PMZ		m _b =5.2	5.0	0.61		
			epP	00 21	22.5	-3.5			
			eS	00 24	40.0	-0.3			
			LN		M _S =5.1	14.0	3.90		
			LE			14.0	3.52		
			LZ		M _S =5.0	18.0	6.77		
SNY	20.6	269	-iP	00 21	37.0	-0.8		GTA	38.2 280
			PMZ		m _b =5.3	1.2	0.18		
			PMZ		m _b =5.4	4.5	0.97		
			pP	00 21	47.0	-1.2			
			S	00 25	22.0	2.1			
			LN		M _S =5.1	13.0	2.48		
			LE			14.0	3.77		
			LZ		M _S =5.0	19.0	5.05		
DL2	23.1	264	-P	00 22	04.0	0.9		GZH	38.3 247
			PMZ		m _b =5.5	1.0	0.21	CD2	39.8 265
			S	00 26	13.0	6.4			
			LN		M _S =4.8	13.0	1.24		
			LE			13.0	0.93		
			LZ		M _S =4.3	16.0	0.88		
BJI	26.5	270	eP	00 22	34.5	-0.4			
			PMZ		m _b =5.6	1.0	0.13		
			PMZ		m _b =5.1	12.0	0.54		
			eS	00 27	08.0	4.5		GYA	40.5 257
			LN		M _S =5.0	14.0	2.07		
			LZ		M _S =5.2	16.0	4.67		
TIA	27.6	262	-P	00 22	44.9	-0.1			
			PMZ		m _b =5.3	1.8	0.12		
			S	00 27	24.0	3.4			
			LN		M _S =5.0	16.0	1.36		
			LE			16.0	2.19	QZN	43.5 246
			LZ		M _S =4.4	20.0	0.88		
SSE	27.8	249	+P	00 22	47.3	0.5			
			PMZ		m _b =4.9	1.0	0.027	KMI	44.0 259
			pP	00 22	58.0	0.2			
			sP	00 23	07.8	5.0			
			S	00 27	30.0	6.1			
			LN		M _S =5.1	22.0	3.80		
			LE						
			LZ						
			P	00 23	01.6	0.3			
			PMZ		m _b =5.5	1.0	0.091		
			S	00 27	53.6	4.1			
			LN		M _S =5.4	13.5	1.75		
			LE			14.5	4.63		
			LZ		M _S =5.4	16.0	7.12		
			-iP	00 23	08.0	0.2			
			PMZ		m _b =5.2	1.0	0.049		
			LE		M _S =4.9	15.0	1.74		
			LZ		M _S =5.0	16.0	2.50		
			P	00 23	11.5	-0.3			
			PMZ		m _b =4.9	0.9	0.018		
			PP	00 24	09.5	-2.4			
			eS	00 28	06.0	-3.2			
			LN		M _S =5.3	13.0	1.32		
			LE			17.0	4.00		
			-eP	00 23	30.0	-0.4			
			PMZ		m _b =5.3	1.0	0.046		
			pP	00 23	42.5	0.9			
			eP	00 23	39.0	0.3			
			S	00 29	00.0	3.5			
			LN		M _S =4.7	18.0	1.10		
			-iP	00 23	45.4	0.0			
			PMZ		m _b =5.4	0.7	0.039		
			LN		M _S =5.2	15.0	2.08		
			LE			15.0	1.21		
			-P	00 24	08.0	1.3			
			PMZ		m _b =5.9	1.5	0.30		
			PMZ		m _b =5.5	5.0	0.42		
			pP	00 24	15.0	-2.9			
			sP	00 24	18.0	-4.8			
			eS	00 29	47.0	-1.2			
			sS	00 30	10.0	2.8			
			LN		M _S =5.1	15.0	1.62		
			LZ		M _S =4.9	18.0	1.72		
			-iP	00 24	17.4	0.4			
			PMZ		m _b =5.9	1.0	0.20		
			PMZ		m _b =5.6	4.0	0.39		
			pP	00 24	31.0	2.7			
			sP	00 24	36.3	3.2			
			S	00 30	09.0	3.4			
			sS	00 30	26.0	0.0			
			ScS	00 34	26.4	5.0			
			LE		M _S =5.4	13.0	3.04		
			LZ		M _S =5.4	15.0	4.07		
			+iP	00 24	19.2	0.9			
			eP	00 24	30.3	-0.2			
			PMZ		m _b =6.0	0.9	0.22		
			S	00 30	31.5	1.1			
			LN		M _S =5.0	14.0	1.12		
			LZ		M _S =5.0	18.0	1.91		
			-iP	00 24	36.4	-0.1			
			PMZ		m _b =5.5	1.0	0.071		
			pP	00 24	48.0	0.2			
			S	00 30	39.0	-2.0			
			LN		M _S =5.1	18.0	1.38		
			LE			18.0	1.06		
			LZ		M _S =5.0	20.0	2.38		
			eP	00 25	04.0	3.0			
			LN		M _S =5.3	18.0	1.76		
			LE			16.0	1.52		
			-P	00 25	05.0	-0.6			
			PMZ		m _b =5.8	1.6	0.21		
			PMZ		m _b =5.8	4.0	0.58		
			pP	00 25	17.0	0.2			
			eS	00 31	38.0	3.6			



WMQ	44.4	292	LN	00 25	$M_s=4.9$	14.0	0.60	TIV	19.4	72	-P	02 02	50.5	-0.5	2.0	1.81			
			LE				14.0	0.42											
			LZ		$M_s=5.0$	20.0	1.69												
			P		08.5	0.4				WHN	21.7	92	eP	02 03	15.0	-0.3			
			PMZ		$m_b=5.3$	1.0	0.050										1.5	0.076	
			PMZ		$m_b=5.7$	4.0	0.45												
			pP		21.0	1.5													
			LN		$M_s=5.8$	12.0	5.12											8.0	0.63
LSA	49.3	273	-P	00 25	49.1	1.7													
			PMZ		$m_b=5.3$	1.0	0.037												
			KSH	54.2	292	P	00 26	24.5	1.0										
<p>DEC 23d 01h 58m $24.4 \pm 0.04s$, $SD1.58 / 122$ $33.95 N \pm 0.71km$, $88.93 E \pm 0.53km$, $h32 \pm 0.07km$ Tibet (306) $M_s 4.9 / 39$, $m_b 5.4 / 2$, $m_b 5.1 / 54$</p>																			
LSA	4.6	155	Pn	01 59	36.8	3.6													
			LN		$M_s=4.7$	9.0	4.24												
			LE			8.0	6.39												
			LZ		$M_s=4.6$	6.0	4.29												
WMQ	9.9	355	P	02 00	48.0	0.3													
			PMZ		$m_b=4.8$	1.5	0.039												
			sP	02 01	01.0	1.7													
			LN		$M_s=4.7$	10.0	1.92												
			LE			10.0	2.99												
GTA	10.3	55	eP	02 00	51.8	-1.5													
			PMZ		$m_b=4.6$	1.2	0.017												
			pP	02 01	01.5	1.5													
			sP	02 01	09.3	4.5													
			LN		$M_s=4.7$	9.0	2.69												
KSH	11.8	302	LZ		$M_s=4.8$	10.0	4.04												
			eP	02 01	15.3	1.2													
			LN		$M_s=5.4$	6.0	4.95												
LZH	12.4	76	LE			5.0	3.81												
			eP	02 01	25.5	3.4													
			PMZ		$m_b=4.7$	2.0	0.032												
			PP	02 01	33.0	0.8													
CD2	12.9	100	LE		$M_s=4.9$	9.0	3.55												
			LZ		$M_s=4.8$	9.0	3.12												
			eP	02 01	29.2	0.9													
			LN		$M_s=5.1$	9.0	4.89												
KMI	14.9	123	LZ		$M_s=4.9$	12.0	4.72												
			-P	02 01	54.0	-0.5													
			pP	02 01	59.0	-2.4													
			LN		$M_s=4.6$	10.0	1.26												
XAN	16.6	84	LE			10.0	0.83												
			LZ		$M_s=4.7$	13.0	3.13												
			P	02 02	19.4	3.1													
			LN		$M_s=5.1$	14.0	5.00												
GYA	17.0	111	LE			15.0	1.60												
			+iP	02 02	20.4	-1.7													
			PMZ		$m_b=4.7$	1.2	0.047												
			PMZ		$m_b=5.5$	4.0	0.87												
			pP	02 02	27.0	-2.4													
BTO	18.0	62	LN		$M_s=4.8$	10.0	1.11												
			LE			10.0	1.77												
			LZ		$M_s=4.7$	14.0	2.98												
			eP	02 02	35.0	0.5													
			LN		$M_s=4.5$	12.0	0.97												
HHC	19.2	62	LE			15.0	0.88												
			P	02 02	49.8	0.8													
			PMZ		$m_b=4.7$	1.6	0.059												
			LN		$M_s=4.7$	10.0	0.37												
LZH	12.4	76	LE			10.0	1.10												
			LZ		$M_s=4.6$	13.0	1.78												
			eP	02 02	57.6	-0.8													
<p>DEC 23d 02h 14m $54.1 \pm 0.04s$, $SD1.51 / 73$ $33.99 N \pm 0.65km$, $88.95 E \pm 0.49km$, $h33 \pm 0.09km$ Tibet (306) $M_s 4.5 / 8$, $m_b 4.8 / 36$</p>																			
LSA	4.7	156	-P	02 16	08.4	3.7													
			LE		$M_s=4.2$	6.0	2.03												
WMQ	9.9	355	+P	02 17	17.0	0.2													
			PMZ		$m_b=4.6$	1.0	0.015												
GTA	10.3	55	pP	02 17	24.0	0.4													
			P	02 17	23.4	1.0													
			PMZ		$m_b=4.3$	1.0	0.0080												
			sP	02 17	37.0	3.0													
			LE		$M_s=4.2$	13.0	1.30												
LZH	12.4	76	LZ		$M_s=4.1$	12.0	1.21												
			eP	02 17	48.0	-3.4													
			sP	02 18	02.0	-1.0													
CD2	12.9	100	eP	02 17	57.5	-0.3													
			eS	02 20	20.5	-0.7													
			LN		$M_s=4.8$	9.0	2.80												
XAN	16.6	84	LZ		$M_s=4.5$	12.0	1.85												
			eP	02 18	49.6	3.9													
			LE		$M_s=4.5$	12.0	1.32												



GYA	17.0	111	+iP	02 18	50.4	-1.4			CN2	18.9	273	+P	13 14	23.4	-2.2									
			PMZ		$m_b=4.5$		1.0	0.025				PMZ		$m_b=5.6$		1.0	0.26							
			LN		$M_s=4.6$		10.0	0.96				PMZ		$m_b=5.3$		4.0	0.62							
			LE				10.0	0.71				esP	13 14	37.0		1.1								
			LZ		$M_s=4.3$		14.0	1.07				eS	13 17	48.0		-4.2								
HHC	19.2	63	eP	02 19	19.6	1.4						LN		$M_s=5.3$		13.0	2.99							
TIY	19.4	72	+P	02 19	21.8	1.5						LE				13.0	5.75							
			S	02 22	56.0	4.9						LZ		$M_s=5.4$		16.0	12.2							
			LN		$M_s=4.4$		8.0	0.52	SNY	20.8	269	+iP	13 14	46.3		-0.4								
WHN	21.7	92	eP	02 19	45.0	0.3						PMZ		$m_b=5.5$		1.0	0.23							
SNY	28.3	64	eP	02 20	47.3	0.4						pP	13 14	52.6		-1.2								
<p>DEC 23d 02h 43m 53.1 ± 0.07s, SD1.23 / 114 45.15 N ± 1.53km, 151.63 E ± 1.02km, h33 ± 0.15km Kurile Islands region (222) $M_s=4.4/7, m_b=5.1/55,$</p>																								
MDJ	15.6	276	eP	02 47	32.5	-0.3						DL2	23.4	263	P	13 15	14.0	1.8						
			PMZ		$m_b=5.3$		0.8	0.12				PMZ		$m_b=5.9$		1.4	0.64							
			pP	02 47	35.6	-4.4						sP	13 15	27.0		4.0								
CN2	18.7	275	eP	02 48	09.0	-2.4						S	13 19	22.0		2.7								
			PMZ		$m_b=4.7$		1.0	0.036				LN		$M_s=5.1$		14.0	2.72							
			epP	02 48	17.5	-1.4						LE				14.0	1.81							
			eS	02 51	34.0	-1.8						LZ		$M_s=5.0$		16.0	3.80							
			LN		$M_s=4.1$		11.0	0.24				BJI	26.7	270	eP	13 15	44.0	0.4						
			LE				11.0	0.34				PMZ		$m_b=5.6$		1.0	0.13							
			LZ		$M_s=4.2$		17.0	0.93				PMZ		$m_b=5.0$		12.0	0.42							
SNY	20.6	271	+P	02 48	31.0	-1.0						ePP	13 16	28.0		0.5								
			PMZ		$m_b=4.7$		1.2	0.047				eS	13 20	16.0		0.3								
			pP	02 48	40.2	-0.4						eScS	13 26	34.0		0.7								
			sP	02 48	44.3	-0.6						LN		$M_s=5.4$		15.0	3.92							
			LN		$M_s=4.3$		9.0	0.39				LE				15.0	4.95							
			LZ		$M_s=4.2$		16.0	0.70				LZ		$M_s=5.4$		16.0	8.76							
BJI	26.5	271	eP	02 49	32.0	2.7						TIA	27.8	262	+P	13 15	54.3	0.3						
			PMZ		$m_b=4.9$		1.5	0.040				PMZ		$m_b=5.3$		1.4	0.098							
			eS	02 54	06.0	6.9						S	13 20	35.0		1.7								
			LZ		$M_s=4.2$		16.0	0.58				LN		$M_s=5.2$		11.0	1.05							
SSE	27.6	250	P	02 49	39.5	0.0						LE				13.0	2.56							
			sP	02 49	53.5	1.0						LZ		$M_s=4.8$		20.0	2.47							
			LZ		$M_s=4.1$		20.0	0.50				SSE	28.1	249	P	13 15	56.5	0.3						
HHC	29.4	276	P	02 49	56.6	0.5						PMZ		$m_b=5.3$		1.5	0.10							
			PMZ		$m_b=5.1$		1.0	0.035				PMZ				3.0	0.43							
			LE		$M_s=4.7$		16.0	1.03				pP	13 16	04.0		0.3								
			LZ		$M_s=4.4$		18.0	0.79				sP	13 16	10.0		2.9								
TIY	30.1	270	eP	02 50	03.1	1.0						S	13 20	38.0		0.6								
BTO	30.6	276	eP	02 50	05.0	-1.6						sS	13 20	54.0		3.3								
			pP	02 50	13.0	-2.6						LN		$M_s=5.3$		18.0	3.50							
			LN		$M_s=4.5$		15.0	0.37				LE				18.0	3.20							
			LE				15.0	0.44				HHC	29.6	275	+P	13 16	10.0	0.2						
XAN	34.4	266	eP	02 50	39.4	-0.1						PMZ		$m_b=5.8$		1.0	0.17							
GTA	38.2	280	+iP	02 51	13.0	0.8						pP	13 16	18.0		0.8								
			PMZ		$m_b=5.5$		0.8	0.060				sP	13 16	24.5		3.9								
			pP	02 51	25.0	3.6						PP	13 17	10.0		4.8								
			PcP	02 53	27.0	1.0						S	13 21	06.0		4.7								
CD2	39.7	266	eP	02 51	25.0	0.4						sS	13 21	20.0		5.3								
			PMZ		$m_b=5.1$		0.8	0.025				LN		$M_s=5.6$		15.5	2.87							
GYA	40.4	258	P	02 51	30.4	0.4						LE				15.0	6.70							
			PMZ		$m_b=4.5$		1.0	0.0080				LZ		$M_s=5.6$		16.0	11.9							
<p>DEC 23d 13h 10m 04.1 ± 0.03s, SD0.88 / 457 45.94 N ± 0.77km, 151.95 E ± 0.54km, h23 ± 0.06km Kurile Islands (221) $M_s=5.3/57, m_b=5.4/9, m_b=5.8/130$</p>																								
MDJ	15.8	273	eP	13 13	48.0	1.1						TIY	30.3	269	+P	13 16	17.4	0.8						
			PMZ		$m_b=6.2$		0.9	1.11				PMZ		$m_b=5.8$		1.0	0.17							
			S	13 16	45.0	4.1						LE		$M_s=5.2$		15.0	2.82							
			LN		$M_s=5.2$		16.0	3.85				LZ		$M_s=5.2$		16.0	4.29							
			LE				16.0	8.11				BTO	30.7	275	P	13 16	20.0	-0.2						
			LZ		$M_s=5.1$		16.0	8.02				PMZ		$m_b=5.1$		0.9	0.034							
												pP	13 16	27.0		-0.6								
												LN		$M_s=5.4$		16.0	1.74							
												LE				16.0	5.27							
												WHN	32.9	255	-iP	13 16	39.5	-0.1						



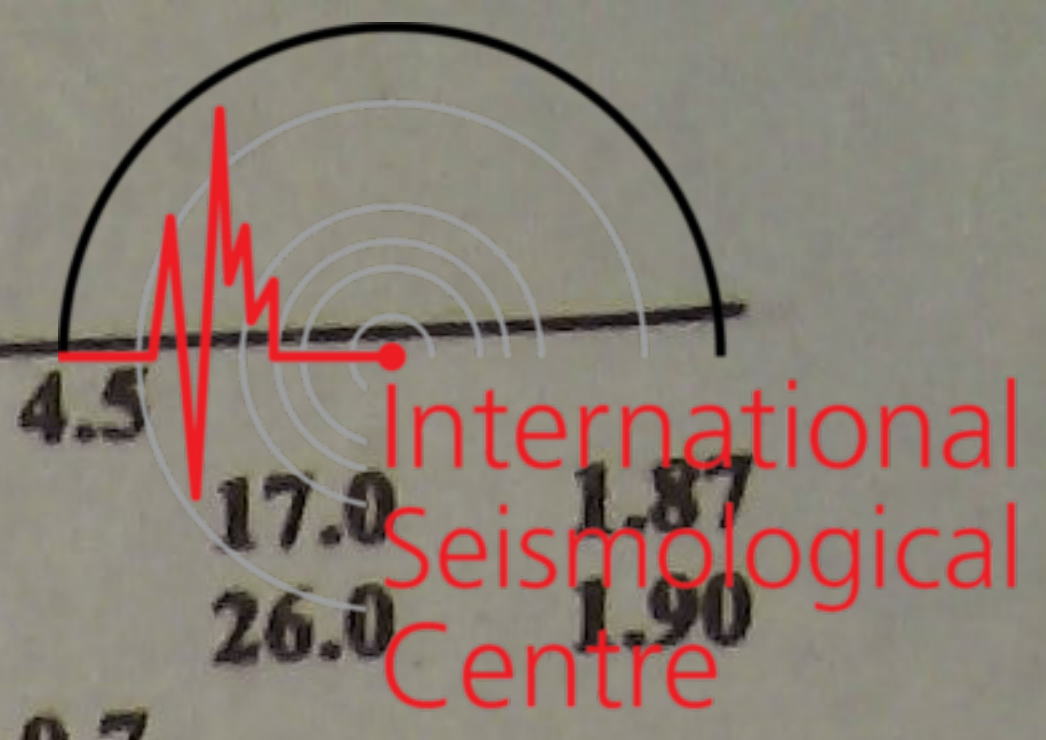
QZH	34.0 243	PMZ	$m_b = 5.8$	1.0	0.14	WMQ	44.5 291	LE	$M_s = 5.1$	13 18 16.0	0.1	15.0	0.70				
		pP	13 16 46.5	-0.6				P						13 18 16.0	0.1	20.9	2.08
		eS	13 21 55.0	-0.4				PMZ						$m_b = 5.5$		1.0	0.70
		ScS	13 27 07.0	3.9				pP						13 18 24.0	0.5		
		LE	$M_s = 5.2$	14.0	2.45			PP						13 19 59.0	-1.6		
		LZ	$M_s = 5.2$	16.0	4.17			PcS						13 23 50.0	-0.9		
		eP	13 16 49.0	0.8				S						13 24 44.0	-4.3		
		PMZ	$m_b = 5.7$	1.5	0.19			LN						$M_s = 5.7$	14.0	3.85	
		sP	13 16 58.0	-1.2				LE							12.0	1.78	
		S	13 22 14.0	3.9				LZ						$M_s = 5.5$	16.0	4.44	
XAN	34.6 265	sS	13 22 24.0	0.4		P	13 18 57.0	1.1									
		LN	$M_s = 5.4$	20.0	4.00	iS	13 26 04.0	2.2									
		LE		20.0	3.87	LN	$M_s = 5.1$	13.0	0.79								
		LZ	$M_s = 5.0$	16.0	2.37	P	13 19 31.5	0.3									
		+iP	13 16 53.9	-0.4		eS	13 27 08.0	1.8									
		PMZ	$m_b = 5.5$	0.6	0.041	LN	$M_s = 6.0$	10.0	3.90								
		S	13 22 21.0	0.1		LE		15.0	4.80								
		LN	$M_s = 5.4$	14.0	3.20	-----											
		LE		14.0	1.40	DEC 23d 19h 42m $06.3 \pm 0.03s$, SD1.33 / 45											
		+iP	13 17 16.0	0.7		7.01 S $\pm 0.52km$, 129.37 E $\pm 0.87km$, h76 $\pm 0.12km$											
LZH	37.1 272	PMZ	$m_b = 6.2$	1.5	0.65	Banda Sea											
		PP	13 18 42.0	0.4		$m_b 5.0 / 12,$											
		PcP	13 19 35.5	0.5		XAN	45.2 336	eP	19 50 17.8	-0.2							
		eS	13 23 00.0	-0.2		GTA	53.7 332	eP	19 51 23.0	-0.3							
		ScP	13 23 15.0	-4.3		PMZ	$m_b = 4.7$		1.0	0.0090							
		PcS	13 23 18.0	-4.1		pP	19 51 44.1	2.4									
		ScS	13 27 27.0	1.5		P	19 52 28.7	0.1									
		LN	$M_s = 5.4$	14.0	2.61	-----											
		LE		14.0	2.20	DEC 23d 19h 57m $32.6 \pm 0.04s$, SD1.28 / 79											
		LZ	$M_s = 5.2$	18.0	3.38	3.35 S $\pm 0.81km$, 127.39 E $\pm 1.14km$, h14 $\pm 0.06km$											
GTA	38.3 279	+iP	13 17 25.6	0.3		Buru											
		PMZ	$m_b = 6.0$	1.0	0.24	$m_b 5.1 / 22,$											
		PMZ	$m_b = 5.6$	5.0	0.48	QZN	28.2 323	eP	20 03 22.0	-5.0							
		PP	13 18 54.0	-1.9		eS	20 08 12.0	1.5									
		S	13 23 16.0	-1.1		P	20 04 35.0	1.1									
		ScS	13 27 35.1	2.9		PMZ	$m_b = 4.5$		1.0	0.0080							
		LE	$M_s = 5.6$	12.0	4.20	P	20 04 36.5	1.4									
		LZ	$M_s = 5.5$	15.0	4.94	PMZ	$m_b = 5.2$		1.3	0.052							
		+P	13 17 29.1	1.5		P	20 05 17.0	0.7									
		PMZ	$m_b = 5.1$	1.0	0.033	XAN	41.1 336	P	20 05 17.7	-0.3							
GZH	38.6 247	eS	13 23 25.0	2.4		TIY	43.1 343	eP	20 05 35.3	0.1							
		LN	$M_s = 5.4$	16.0	1.94	BJI	44.4 348	eP	20 05 44.0	-1.1							
		LE		16.0	2.88	PMZ	$m_b = 5.0$		1.5	0.040							
		LZ	$M_s = 5.2$	18.0	3.63	eP	20 05 51.0	0.9									
		+iP	13 17 40.0	0.6		PMZ	$m_b = 5.3$		1.4	0.072							
		PMZ	$m_b = 5.9$	1.0	0.21	pP	20 06 00.0	4.0									
		isP	13 17 54.8	4.4		sP	20 06 03.5	4.6									
		iS	13 23 42.5	-1.3		LZ	$M_s = 4.4$	25.0	0.53								
		sS	13 23 53.0	-3.4		P	20 06 00.6	0.1									
		LN	$M_s = 5.3$	15.0	2.64	LZ	$M_s = 4.5$	36.0	0.91								
CD2	40.0 265	LZ	$M_s = 5.0$	16.0	1.78	BTO	46.5 342	eP	20 06 02.0	-0.3							
		+iP	13 17 46.0	0.4		LSA	47.8 316	eP	20 06 13.6	1.1							
		PMZ	$m_b = 5.6$	1.2	0.13	MDJ	47.8 2	eP	20 06 12.5	0.4							
		PMZ		3.0	0.55	GTA	49.5 332	+P	20 06 25.9	0.1							
		pP	13 17 52.0	-1.1		PMZ	$m_b = 5.1$		1.0	0.028							
		PP	13 19 26.0	3.4		sP	20 06 32.0	-2.6									
		S	13 23 52.0	-1.9		PcP	20 07 49.0	2.1									
		sS	13 24 06.0	-1.5		LZ	$M_s = 4.3$	24.0	0.38								
		ScS	13 27 48.4	1.9		P	20 07 34.0	-0.6									
		LN	$M_s = 5.4$	16.0	2.97	PMZ	$m_b = 4.9$		1.0	0.015							
GYA	40.8 257	LE		16.0	1.84	sP	20 07 40.0	-3.4									
		LZ	$M_s = 5.3$	18.0	3.66	P	20 08 06.5	0.2									
		-iP	13 17 46.0	0.4		-----											
		PMZ	$m_b = 5.6$	1.2	0.13	DEC 24d 02h 51m $40.1 \pm 0.06s$, SD1.79 / 61											
		PMZ		3.0	0.55	23.05 N $\pm 0.73km$, 120.69 E $\pm 0.72km$, h15 $\pm 0.09km$											
		pP	13 17 52.0	-1.1		Taiwan											
		PP	13 19 26.0	3.4		$M_s 4.5 / 20, M_L 4.7 / 8, m_b 4.3 / 13$											
		S	13 23 52.0	-1.9													
		sS	13 24 06.0	-1.5													
		ScS	13 27 48.4	1.9													
KMI	44.3 259	LN	$M_s = 5.4$	16.0	2.97	-----											
		LE		16.0	1.84	DEC 24d 02h 51m $40.1 \pm 0.06s$, SD1.79 / 61											
		LZ	$M_s = 5.3$	18.0	3.66	23.05 N $\pm 0.73km$, 120.69 E $\pm 0.72km$, h15 $\pm 0.09km$											
		eP	13 18 14.5	0.0		Taiwan											
		PMZ	$m_b = 6.2$	1.5	0.51	$M_s 4.5 / 20, M_L 4.7 / 8, m_b 4.3 / 13$											
		sP	13 18 27.0	1.7													
		S	13 24 47.5	1.9													
		sS	13 24 57.0	-2.3													
		LN	$M_s = 5.1$	15.0	1.18												

					DEC 25d 19h 23m 23.5 ± 0.05s, SD0.90 / 291								
					45.74 N ± 0.88km, 151.70 E ± 0.52km, h35 ± 0.15km								
					Kurile Islands (221)								
					M _s 5.1 / 40, m _b 5.3 / 8, m _b 5.3 / 92								
DL2	48.3	4	LZ	M _s =4.3	30.0	0.47	MDJ	15.6	274	eP	19 27 04.0	0.9	
			P	10 55 50.2	-0.5				PMZ	m _b =5.6	1.0	0.28	
			PMZ	m _b =5.6	1.0	0.083			S	19 30 00.0	5.2		
BJI	49.3	358	eP	10 55 58.0	-0.8				sS	19 30 12.0	4.7		
			PMZ	m _b =5.5	1.5	0.099			SS	19 30 18.0	4.7		
BTO	50.4	352	P	10 56 06.0	-1.2				LN	M _s =5.2	16.0	4.40	
HHC	50.5	354	eP	10 56 07.2	-0.4				LE		20.0	9.55	
			PMZ	m _b =6.2	1.3	0.43			LZ	M _s =5.0	18.0	8.39	
SNY	51.3	5	+iP	10 56 12.4	-1.7		CN2	18.7	273	+P	19 27 39.5	-2.3	
			PMZ	m _b =5.6	1.0	0.075			PMZ	m _b =5.0	0.8	0.056	
GTA	51.5	342	+iP	10 56 15.7	-0.1				PMZ	m _b =5.2	4.0	0.50	
			PMZ	m _b =5.5	1.0	0.057			epP	19 27 47.0	-2.5		
			pP	10 56 30.0	-3.8				eS	19 31 02.0	-4.0		
			sP	10 56 37.8	-4.7				LN	M _s =5.1	13.0	1.61	
			PcP	10 57 29.3	1.1				LE		13.0	3.60	
			ScP	11 01 19.8	3.3				LZ	M _s =5.3	16.0	9.80	
			ScS	11 05 58.2	3.5		SNY	20.6	269	+P	19 28 02.0	-0.8	
CN2	53.5	7	eP	10 56 28.0	-2.1				PMZ	m _b =5.0	1.2	0.097	
			PMZ	m _b =5.0	1.0	0.020			S	19 31 44.0	-2.0		
			LZ	M _s =4.3	20.0	0.30			sS	19 31 56.0	-4.4		
MDJ	54.9	10	eP	10 56 37.0	-3.3				SS	19 32 12.0	-5.2		
WMQ	59.8	335	P	10 57 14.0	-1.1				LN	M _s =5.1	14.5	2.25	
			PMZ	m _b =6.0	1.5	0.32			LE		14.5	3.14	
			pP	10 57 33.0	-0.6				LZ	M _s =5.2	17.0	7.44	
			S	11 05 13.0	-5.2				eP	19 28 29.5	1.3		
			LZ	M _s =4.6	28.0	0.63			PMZ	m _b =5.1	1.0	0.083	
DEC 24d 21h 27m 50.1 ± 0.05s, SD2.10 / 50					DL2					23.2	264		
29.96 N ± 0.71km, 92.47 E ± 0.51km, h10 ± 0.05km													
Tibet (306)													
M _s 4.1 / 3, M _L 4.3 / 1, m _b 4.5 / 11													
LSA	1.2	257	+iPg	21 28 11.6	0.2				S	19 32 37.0	4.1		
			Sg	21 28 26.8	-0.1				LN	M _s =5.0	12.0	2.02	
			SME	M _L =4.3	0.5	5.25			LE		12.0	1.67	
CD2	9.8	82	eP	21 30 19.0	4.7				LZ	M _s =4.6	17.0	1.75	
GTA	11.2	31	eP	21 30 32.1	-1.5		BJI	26.5	270	eP	19 29 00.0	0.1	
			PMZ	m _b =3.9	1.0	0.0030			PMZ	m _b =5.3	1.0	0.071	
LZH	11.3	54	eP	21 30 33.5	-2.0				PMZ	m _b =5.4	5.0	0.44	
			PMZ	m _b =5.0	1.2	0.043			eS	19 33 32.0	2.2		
			pP	21 30 39.0	-1.1				LE	M _s =5.3	15.0	4.46	
			LN	M _s =4.1	9.0	0.67			LZ	M _s =5.3	16.0	6.60	
			LZ	M _s =3.8	10.0	0.43	TIA	27.6	262	P	19 29 09.9	-0.2	
GYA	13.0	102	P	21 30 56.6	-1.4				PMZ	m _b =5.1	1.9	0.083	
WMQ	14.3	346	P	21 31 19.2	3.6				eS	19 33 48.0	0.2		
			pP	21 31 23.2	3.3				LN	M _s =4.8	13.0	0.76	
XAN	14.5	70	eP	21 31 17.6	-0.6				LE		13.0	1.00	
BTO	17.8	49	eP	21 32 01.6	1.6				LZ	M _s =4.7	16.0	1.60	
TIY	18.3	60	eP	21 32 08.0	2.1		SSE	27.8	249	eP	19 29 12.0	-0.1	
WHN	18.9	83	eP	21 32 14.5	0.9				pP	19 29 24.0	2.6		
DEC 25d 16h 01m 34.2 ± 0.13s, SD2.41 / 12													
33.79 N ± 0.50km, 121.96 E ± 0.84km, h16 ± 0.55km													
Yellow Sea (665)													
M _s 3.7 / 1, M _L 3.4 / 8,													
SSE	2.8	194	Pn	16 02 16.7	-1.7				S	19 33 50.0	-0.5		
			Pg	16 02 23.5	0.4				LN	M _s =5.0	18.0	2.80	
			Sn	16 02 50.7	-2.6				LZ	M _s =5.0	20.0	3.70	
			Sg	16 03 01.3	0.3		HHC	29.4	275	+P	19 29 26.3	0.0	
			SMN	M _L =3.3	0.5	0.13			PMZ	m _b =5.4	1.2	0.096	
			SME		0.5	0.17			pP	19 29 38.0	2.4		
			LE		4.0	0.60			S	19 34 15.0	-0.7		
TIA	4.6	303	Pn	16 02 44.0	-0.2				sS	19 34 28.0	-4.3		
			Pg	16 03 00.0	3.7				LN	M _s =5.6	16.0	6.10	
			Sn	16 03 41.6	1.7				LE		16.0	6.16	
			Sg	16 04 03.1	3.3				LZ	M _s =5.6	16.0	10.1	
			SMN	M _L =3.5	0.6	0.072	TIY	30.1	269	eP	19 29 32.4	-0.5	
			SME		0.6	0.053			S	19 34 24.0	-3.5		
									LE	M _s =5.0	16.0	2.31	
									LZ	M _s =5.1	17.0	3.84	
							BTO	30.6	275	P	19 29 37.0	0.2	
									pP	19 29 45.0	-1.0		
									S	19 34 33.0	-1.3		
									LN	M _s =5.2	15.0	2.65	
									LE		16.0	1.79	

WHN	32.7 255	+P	19 29 55.5	-0.1					LZ	$M_s = 5.4$	16.0	3.92		
		eS	19 35 08.0	-0.9					LSA	49.3 273	+P	19 32 13.4	0.9	
		LN		$M_s = 5.1$	13.0	0.89			S			19 39 19.0	4.7	
		LE			15.0	1.81			KSH	54.2 292	P	19 32 49.0	0.6	
		LZ		$M_s = 5.0$	18.0	2.41			LN				1.3	2.11
XAN	34.5 265	+P	19 30 10.0	-0.5					DEC 25d 20h 33m $46.2 \pm 0.05s$, SD2.32 / 12 $38.70 N \pm 0.52km$, $104.67 E \pm 0.37km$, $h12 \pm 0.10km$ Northern China (323) $M_L 3.3 / 11$,					
		PMZ		$m_b = 5.0$	0.6	0.013			LZH	2.7 194	Pg	20 34 34.5	0.5	
		S	19 35 34.0	-0.8					Sn			20 35 08.0	3.8	
		LN		$M_s = 5.1$	14.0	1.30			SMN		$M_L = 3.3$		0.8	0.18
		LE			14.0	1.20			SME				0.6	0.12
LZH	36.9 272	+iP	19 30 32.5	0.7				GTA	3.8 282	Pn	20 34 43.4	-2.5		
		PMZ		$m_b = 5.2$	10.0	0.37			Pg			20 34 51.4	-2.8	
		pP	19 30 43.0	1.9				Sn			20 35 28.2	-4.7		
		sP	19 30 50.0	4.7				Sg			20 35 41.0	-5.8		
		PcP	19 32 53.5	1.3				SMN		$M_L = 3.0$		0.6	0.040	
		eS	19 36 08.0	-6.5				SME				0.4	0.038	
		sS	19 36 30.0	0.0				BTO	4.5 64	ePg	20 35 05.8	-0.8		
		ScP	19 36 37.5	2.4				Sg			20 36 02.6	-5.9		
		PcS	19 36 43.5	4.3				SMN		$M_L = 2.7$		0.8	0.015	
		ScS	19 40 45.0	4.0				SME				0.8	0.0060	
		LN		$M_s = 5.0$	14.0	1.37			HHC	5.7 66	ePg	20 35 28.0	0.5	
		LZ		$M_s = 4.9$	25.0	2.28			SMN		$M_L = 3.3$		0.6	0.030
		GTA	38.2 279	P	19 30 43.0	1.0			SME				0.4	0.019
		PMZ		$m_b = 5.7$	1.0	0.13			XAN	5.8 142	ePg	20 35 28.4	0.0	
		PMZ		$m_b = 5.2$	8.0	0.36			Sg			20 36 43.6	-3.6	
GZH	38.4 247	P	19 30 44.1	0.6				SMN		$M_L = 2.7$		0.6	0.0090	
		eS	19 36 37.0	1.2				SME				0.8	0.0040	
		LE		$M_s = 5.0$	19.0	1.84			DEC 26d 02h 23m $15.8 \pm 0.10s$, SD3.28 / 17 $26.04 N \pm 0.81km$, $99.98 E \pm 1.01km$, $h7 \pm 0.12km$ Yunnan Province (318) $M_s 3.9 / 1$, $M_L 3.8 / 6$,					
		LZ		$M_s = 5.0$	20.0	2.12			KMI	2.6 109	ePn	02 24 04.0	4.5	
		CD2	39.8 265	+iP	19 30 55.9	0.3			Pg			02 24 05.4	2.8	
GYA	40.5 257	PMZ		$m_b = 5.6$	0.8	0.086		Sn			02 24 35.0	1.5		
		S	19 36 57.2	0.5				Sg			02 24 39.5	0.7		
		sS	19 37 12.5	-1.2				SMN				2.0	2.29	
		LZ		$M_s = 4.9$	18.0	1.64		SME				2.0	1.55	
		P	19 31 01.4	-0.3				LN				3.0	4.70	
		PMZ		$m_b = 5.1$	1.0	0.033		LE				3.0	1.00	
		pP	19 31 13.8	2.6				CD2	5.9 34	ePn	02 24 47.0	3.4		
		PP	19 32 40.0	1.5				GYA	6.0 85	Pn	02 24 48.6	3.0		
		S	19 37 06.0	-1.5				Sn			02 26 00.6	3.8		
		sS	19 37 26.0	1.6				SMN		$M_L = 3.9$		1.6	0.076	
QZN	43.5 246	LN		$M_s = 5.4$	18.0	2.99		SME				1.6	0.11	
		LE			18.0	1.27		LN		$M_s = 3.9$		10.0	0.81	
		LZ		$M_s = 4.8$	20.0	1.50		LE				10.0	0.92	
		eP	19 31 27.0	0.7				LZ		$M_s = 3.7$		14.0	0.89	
		eS	19 37 50.0	-2.8				XAN	11.1 42	eP	02 25 56.0	-2.3		
KMI	44.1 259	LN		$M_s = 5.2$	16.0	0.85		TIY	15.7 39	eP	02 27 03.0	3.6		
		LE			18.0	1.68		DEC 26d 11h 35m $55.1 \pm 0.06s$, SD1.22 / 327 $54.44 N \pm 1.11km$, $162.35 E \pm 0.81km$, $h28 \pm 0.11km$ Off east coast of Kamchatka (219) $M_s 5.5 / 35$, $m_b 5.3 / 3$, $m_b 5.3 / 102$						
		eP	19 31 31.0	0.3				MDJ	23.2 259	eP	11 41 00.2	-0.9		
		PMZ		$m_b = 5.8$	1.2	0.16			PMZ		$m_b = 4.9$		1.0	0.055
		PMZ		$m_b = 5.7$	5.0	0.56			PMZ		$m_b = 5.3$		4.0	0.46
WMQ	44.4 292	S	19 38 00.0	0.6				S			11 45 13.0	6.2		
		sS	19 38 20.0	3.5				LN		$M_s = 5.3$		13.0	2.68	
		LN		$M_s = 5.2$	14.0	1.13		LE				13.0	3.82	
		LE			14.0	1.18		LZ		$M_s = 5.0$		16.0	3.57	
		LZ		$M_s = 5.1$	20.0	2.20		CN2	26.1 261	P	11 41 27.0	-1.7		
		P	19 31 33.0	0.0				PMZ		$m_b = 4.9$		1.0	0.028	
		PMZ		$m_b = 5.3$	1.0	0.042								
		pP	19 31 43.5	0.9										
		S	19 38 10.0	6.2										
		ScS	19 41 30.0	5.0										
LN		$M_s = 5.5$	14.0	2.36										
LE			14.0	1.90										

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		epP	11 41	35.0	-1.8				LN	$M_s = 5.7$	20.0	4.60		
		LN		$M_s = 5.3$		12.0	2.35		LE		20.0	2.50		
		LE				12.0	3.15		LZ	$M_s = 5.1$	20.0	1.90		
		LZ		$M_s = 5.3$		16.0	7.12	QZN	53.2	250	P	11 45 15.0	1.6	
SNY	28.4	260	+P	11 41	47.0	-2.6			PMZ		$m_b = 5.0$	0.9	0.020	
			PMZ		$m_b = 5.0$		0.8	0.022	LN		$M_s = 5.5$	17.0	1.00	
			pP	11 41	56.2	-1.7			LE			17.0	2.15	
			LN		$M_s = 5.5$		14.0	4.00	LSA	55.7	274	P	11 45 32.4	0.2
			LE				16.0	4.87	KSH	57.1	293	P	11 45 42.0	-0.4
			LZ		$M_s = 5.3$		16.0	5.29	LN		$M_s = 5.7$	12.0	2.50	
BJI	33.8	264	eP	11 42	37.0	-0.5			DEC 26d 12h 10m $06.2 \pm 0.04s$, SD1.21 / 54					
			LE		$M_s = 5.5$		14.0	5.00	7.31 S $\pm 0.50km$, 125.97 E $\pm 0.90km$, h22 $\pm 0.14km$					
			LZ		$M_s = 5.4$		16.0	6.10	Banda Sea (280)					
HHC	36.0	269	P	11 42	58.0	1.8			$M_s 4.7 / 1$, $m_b 5.0 / 20$,					
BTO	37.1	270	eP	11 43	03.0	-2.2			GYA	38.4	332	+iP	12 17 29.6	0.9
			epP	11 43	11.0	-2.5			PMZ		$m_b = 4.9$	1.2	0.028	
			LN		$M_s = 5.9$		12.0	4.77	LZ		$M_s = 4.5$	20.0	0.75	
			LE				12.0	6.87	WHN	39.3	344	+P	12 17 36.5	1.2
SSE	37.4	248	eP	11 43	09.3	1.5			PMZ		$m_b = 5.3$	1.5	0.076	
			pP	11 43	18.8	2.5			KMI	39.4	326	+P	12 17 38.0	1.3
			LN		$M_s = 5.1$		12.0	1.00	PMZ		$m_b = 5.5$	1.5	0.12	
			LE				13.0	1.10	CD2	43.6	332	P	12 18 10.5	-0.3
			LZ		$M_s = 5.1$		18.0	2.70	XAN	44.2	340	P	12 18 15.0	-0.8
TIY	37.6	264	eP	11 43	08.0	-1.3			PMZ		$m_b = 4.5$	0.6	0.0050	
			LN		$M_s = 5.6$		13.0	4.85	TIY	46.5	345	eP	12 18 34.0	-0.6
			LZ		$M_s = 5.2$		18.0	3.41	LZH	47.9	336	P	12 18 45.8	0.2
WHN	41.6	255	eP	11 43	43.0	0.2			PMZ		$m_b = 5.3$	1.5	0.074	
			pP	11 43	50.5	-0.8			pP	12 18	53.5	0.6		
			eS	11 50	02.0	4.6			sP	12 18	57.0	0.8		
			LE		$M_s = 5.4$		14.0	2.76	LE		$M_s = 4.7$	10.0	0.29	
			LZ		$M_s = 5.3$		16.0	2.98	LZ		$M_s = 4.9$	27.0	1.70	
XAN	42.2	263	eP	11 43	47.8	0.4			BJI	48.0	350	eP	12 18 44.0	-1.8
			LN		$M_s = 5.7$		13.0	2.42	PMZ		$m_b = 5.0$	1.5	0.032	
			LE				12.0	3.67	HHC	49.7	346	-P	12 18 59.0	-0.5
LZH	43.7	270	eP	11 43	58.5	-1.5			CN2	50.9	360	eP	12 19 07.0	-1.1
			PMZ		$m_b = 4.9$		2.0	0.035	MDJ	51.8	3	eP	12 19 14.8	-0.2
			PMZ		$m_b = 5.2$		12.0	0.42	GTA	52.4	334	+iP	12 19 19.6	-0.3
			pP	11 44	07.0	-1.3			PMZ		$m_b = 5.1$	1.0	0.028	
			sP	11 44	09.5	-2.4			pP	12 19	24.5	-2.8		
			LN		$M_s = 5.9$		12.0	4.84	WMQ	61.5	329	P	12 20 23.4	-1.3
			LE				11.5	3.47	PMZ		$m_b = 4.9$	1.0	0.014	
			LZ		$M_s = 5.7$		12.0	5.95	LZ		$M_s = 5.0$	20.0	1.16	
GTA	43.8	277	eP	11 43	59.2	-1.5			DEC 26d 12h 34m $40.8 \pm 0.05s$, SD1.49 / 122					
			PMZ		$m_b = 5.5$		1.0	0.068	8.05 N $\pm 0.66km$, 126.67 E $\pm 1.00km$, h78 $\pm 0.36km$					
			pP	11 44	06.0	-3.1			Mindanao (259)					
			LE		$M_s = 5.7$		13.0	4.35	$M_s 4.5 / 4$, $m_b 5.2 / 41$,					
			LZ		$M_s = 5.7$		14.0	6.56	QZN	19.6	305	P	12 39 06.0	0.0
CD2	47.4	265	P	11 44	29.5	-0.1			PMZ		$m_b = 4.5$	0.8	0.020	
			S	11 51	27.0	6.6			pP	12 39	25.0	4.0		
			LZ		$M_s = 5.0$		20.0	1.85	eS	12 42	39.0	0.6		
WMQ	47.8	290	eP	11 44	31.5	-1.0			LN		$M_s = 4.3$	14.0	0.72	
			PMZ		$m_b = 5.4$		12.0	0.68	LE			16.0	0.12	
			PcS	11 49	58.0	3.1			GZH	19.7	321	eP	12 39 04.4	-1.9
			LN		$M_s = 5.5$		12.0	1.82	XAN	30.6	330	P	12 40 47.5	-2.5
			LE				12.0	1.42	TIY	32.2	339	eP	12 41 03.0	-1.2
			LZ		$M_s = 5.4$		20.0	4.70	BJI	33.2	345	eP	12 41 11.5	-1.2
GZH	48.0	249	eP	11 44	32.0	-1.9			PMZ		$m_b = 4.7$	1.0	0.013	
			LN		$M_s = 5.5$		13.0	1.19	ePcP	12 43	55.0	1.7		
			LE				12.0	1.80	eS	12 46	31.5	5.5		
			LZ		$M_s = 5.3$		17.0	2.87	eScP	12 47	32.0	2.7		
GYA	49.1	258	P	11 44	42.0	-0.6			LE		$M_s = 4.5$	12.0	0.39	
			S	11 51	45.0	1.3			LZ		$M_s = 4.3$	18.0	0.53	
			LN		$M_s = 5.5$		15.0	2.09	SNY	33.7	356	eP	12 41 16.4	-0.9
			LE				15.0	1.30	PMZ		$m_b = 5.2$	1.4	0.051	
			LZ		$M_s = 5.2$		18.0	2.35	S	12 46	35.0	1.4		
KMI	52.3	261	+P	11 45	07.0	-0.4			LZ		$M_s = 4.4$	26.0	0.95	
			PMZ		$m_b = 5.2$		1.5	0.050						
			pP	11 45	12.0	-3.8								



LZH	34.8	327	eP	12 41	25.5	-1.2		
			PMZ		$m_b=4.9$		1.5	0.028
			LN		$M_s=4.5$		10.0	0.31
			LZ		$M_s=4.3$		20.0	0.54
HHC	35.3	340	-P	12 41	30.8	-0.1		
			PMZ		$m_b=4.7$		1.0	0.014
CN2	35.6	358	eP	12 41	33.0	-0.4		
MDJ	36.5	4	eP	12 41	42.0	1.1		
			PMZ		$m_b=5.9$		1.2	0.26
GTA	39.4	327	+P	12 42	04.9	-0.4		
			PMZ		$m_b=4.7$		1.0	0.013
			pP	12 42	26.0	2.5		
			LN		$M_s=5.0$		23.0	1.80
			LZ		$M_s=4.8$		25.0	1.59
LSA	39.7	308	P	12 42	09.4	1.9		
WMQ	49.2	323	P	12 43	23.6	-0.1		
			PMZ		$m_b=5.3$		1.0	0.035
			LZ		$M_s=4.9$		20.0	1.16
KSH	55.0	313	eP	12 44	09.5	2.0		

DEC 26d 13h 24m $16.9 \pm 0.06s$, SD2.38 / 26
 30.97 N $\pm 0.50km$, 99.62 E $\pm 0.85km$, h18 $\pm 0.20km$
 Sichuan Province (307)
 $M_s 4.3 / 10$, $M_L 4.4 / 7$, $m_b 4.2 / 5$

CD2	3.6	90	Pn	13 25	13.3	1.6		
			Pg	13 25	18.4	-1.3		
			Sg	13 26	03.2	-5.1		
			SMN		$M_L=4.1$		1.2	0.43
			SME				1.2	0.53
LZH	6.2	33	ePn	13 25	50.0	1.7		
			PMZ		$m_b=4.2$		2.0	0.042
			sP	13 25	58.0	-1.2		
			Pg	13 26	12.0	5.6		
			eSn	13 27	04.5	3.7		
			SMN		$M_L=4.7$		1.8	0.48
			LE		$M_s=4.3$		7.0	2.08
			LZ		$M_s=4.3$		10.0	2.67
KMI	6.4	154	-Pg	13 26	12.0	1.4		
			PMZ		$m_b=4.7$		1.5	0.10
			Sn	13 27	10.0	3.9		
			LN		$M_s=4.3$		7.0	1.60
			LE				7.0	1.20
GYA	7.6	124	Pn	13 26	08.8	0.8		
			Sn	13 27	37.6	1.3		
			Sg	13 28	17.0	0.7		
			SMN		$M_L=4.4$		1.6	0.13
			SME				1.6	0.11
			LN		$M_s=4.6$		8.0	2.45
			LE				8.0	1.47
			LZ		$M_s=4.1$		12.0	1.44
XAN	8.4	66	P	13 26	22.5	1.1		
HHC	13.8	41	eP	13 27	37.3	2.8		
			LN		$M_s=4.2$		12.0	0.41
			LE				9.0	0.58
			LZ		$M_s=4.4$		8.0	1.12

DEC 27d 02h 32m $41.7 \pm 0.08s$, SD1.77 / 111
 19.22 S $\pm 1.64km$, 176.34 W $\pm 1.02km$, h19 $\pm 0.21km$
 Fiji region (181)
 $M_s 5.8 / 17$, $m_b 5.9 / 3$, $m_b 5.3 / 38$

MDJ	80.4	324	eP	02 44	54.6	0.3		
			PMZ		$m_b=5.7$		1.1	0.096
GZH	80.5	298	P	02 44	56.0	1.2		
			S	02 55	04.0	6.3		
			LZ		$M_s=5.4$		22.0	1.94
QZN	81.8	293	eP	02 45	06.5	4.9		
			S	02 55	10.5	-0.7		
			LE		$M_s=5.9$		18.0	2.97

SNY	82.2	319	eP	02 45	08.6	4.5		
			LN		$M_s=5.7$		17.0	1.87
			LZ		$M_s=5.3$		26.0	1.90
CN2	82.3	322	eP	02 45	03.4	-0.7		
			PMZ		$m_b=5.2$		1.2	0.033
			PMZ		$m_b=5.8$		6.0	0.61
			S	02 55	18.0	1.9		
			SS	03 00	36.0	-3.5		
			LN		$M_s=5.8$		18.0	1.36
			LE				18.0	1.64
			LZ		$M_s=5.7$		20.0	3.02
TIA	83.6	312	eP	02 45	13.0	2.1		
			eS	02 55	38.0	6.8		
			LN		$M_s=5.9$		23.0	3.93
BJI	86.1	315	eP	02 45	23.0	-0.4		
			ePP	02 48	40.0	-4.3		
			eS	02 55	50.0	-5.8		
			LN		$M_s=5.5$		15.0	0.98
			LZ		$M_s=5.5$		24.0	2.24
GYA	87.4	299	P	02 45	29.4	-0.5		
			LN		$M_s=5.7$		20.0	1.57
			LE				20.0	0.87
			LZ		$M_s=5.2$		32.0	1.59
TIY	87.6	311	eP	02 45	31.1	0.2		
			LN		$M_s=5.5$		16.0	0.95
			LZ		$M_s=5.5$		34.0	3.11
XAN	88.6	307	P	02 45	36.5	0.8		
HHC	89.6	314	eP	02 45	40.8	0.4		
			LN		$M_s=5.9$		17.0	1.22
			LE				20.0	2.46
			LZ		$M_s=5.7$		26.0	3.50
KMI	90.2	296	+P	02 45	45.0	1.7		
			PMZ		$m_b=6.0$		1.5	0.17
			PMZ				3.0	0.35
			pP	02 45	49.5	-0.6		
			LN		$M_s=6.1$		20.0	3.40
			LE				20.0	3.00
			LZ		$M_s=5.7$		22.0	3.20
BTO	90.5	313	eP	02 45	48.0	3.1		
			eSKS	02 56	14.5	2.4		
			eS	02 56	32.5	-5.1		
			LN		$M_s=5.8$		18.0	1.22
			LE				18.0	1.48
LZH	93.2	307	eP	02 45	57.0	-0.4		
			PMZ		$m_b=5.3$		2.0	0.028
			PMZ		$m_b=5.9$		5.0	0.27
			pP	02 46	02.5	-1.8		
			sP	02 46	06.5	-0.8		
			ePP	02 49	44.0	1.5		
			eSKS	02 56	28.0	0.5		
			sS	02 57	12.0	-0.9		
			S	02 57	01.0	1.6		
			sS	02 57	12.0	-0.9		
			SS	03 03	18.0	-1.2		
			LE		$M_s=5.6$		17.0	1.07
			LZ		$M_s=5.5$		31.0	2.78

DEC 27d 04h 05m $56.7 \pm 0.05s$, SD1.53 / 351
 56.06 S $\pm 1.73km$, 24.97 W $\pm 1.84km$, h11 $\pm 0.17km$
 South Sandwich Islands region (153)
 $M_s 7.5 / 53$, $m_b 7.2 / 35$, $m_b 6.1 / 24$

KSH	127.4	73	-iPKP	04 25	04.0	1.1		
			PP	04 27	06.0	0.9		
			PPMZ		$m_b=7.6$		6.0	12.8
			eSKS	04 32	14.0	3.5		
			LN		$M_s=7.6$		17.0	21.5
			LE				18.0	55.4
LSA	128.5	93	PKP	04 25	06.0	0.5		

QZN	130.0	119	PP	04 27	19.0	5.4			WHN	141.8	115	LE										
			PPMZ			$m_B=7.4$	5.0	6.85								PKHKP	04 25	24.0	-1.2	20.0	26.6	
			SKS	04 32	13.0	0.3											PP	04 28	30.0	-6.4		
			LN			$M_S=7.1$	18.0	18.6									PPMZ			$m_B=7.2$	12.0	17.5
			LE				17.0	8.16									LN			$M_S=7.4$	17.0	21.3
KMI	131.4	107	LZ			$M_S=6.5$	18.0	8.39				LE										
			-PKP	04 25	09.0	1.3								LZ			$M_S=7.3$	18.0	41.0			
			PP	04 27	20.5	-2.0					SSE	145.6	122	-iPKP	04 25	36.0	-0.1					
			PPMZ			$m_B=7.2$	6.5	6.38						PP	04 28	58.0	-1.4					
			LN			$M_S=7.6$	18.0	45.1						PPMZ			$m_B=7.1$	11.0	12.9			
GYA	134.5	110	LE				18.0	39.3				SKKS	04 35	40.0	-6.8							
			+PKP	04 25	10.0	-0.7								LN			$M_S=7.8$	18.0	77.9			
			PP	04 27	26.0	-6.1								LE				18.0	50.3			
			PPMZ			$m_B=7.3$	6.0	7.50						LZ			$M_S=7.5$	21.0	74.6			
			PKS	04 28	38.0	-6.2					TIY	146.3	105	-iPKP	04 25	38.0	0.6					
GZH	135.1	120	SKKS	04 34	15.0	-6.4						PPMZ			$m_B=7.3$	12.0	22.5					
			SS	04 45	00.0	-1.3								LN			$M_S=7.7$	19.0	69.0			
			LN			$M_S=7.5$	18.0	45.7						LZ			$M_S=7.5$	20.0	75.0			
			LE				18.0	8.10			BTO	147.0	99	+iPKP	04 25	39.0	0.4					
			LZ			$M_S=7.3$	20.0	55.8						PP	04 29	11.0	3.2					
CD2	136.5	103	iPKP	04 25	17.0	0.5						PPMZ			$m_B=7.2$	7.0	10.7					
			PP	04 27	56.0	4.2								SS	04 48	01.0	-4.1					
			PPMZ			$m_B=7.1$	7.0	6.56						LN			$M_S=7.5$	18.0	27.4			
			LN			$M_S=7.7$	18.0	63.2						LE				17.0	31.3			
			LE				18.0	10.6			TIA	147.7	112	PKP	04 25	39.4	-0.2					
WMQ	136.7	77	LZ			$M_S=7.1$	32.0	54.8				PPMZ			$m_B=7.3$	9.0	17.7					
			PKHKP	04 25	11.0	-1.2								LN			$M_S=7.5$	18.0	43.1			
			PKP	04 25	20.0	3.8								HHC	148.0	100	-PKP	04 25	37.1	-3.2		
			PP	04 27	50.5	-5.0								PP	04 29	10.0	-3.9					
			PPMZ			$m_B=7.3$	7.0	9.32						PPMZ			$m_B=7.3$	7.0	14.5			
QZH	139.2	124	LN			$M_S=7.6$	18.0	39.3				LN			$M_S=7.4$	17.0	21.3					
			LE				18.0	38.3						LE				22.0	31.7			
			LZ			$M_S=7.5$	19.0	77.3						LZ			$M_S=7.3$	24.0	58.6			
			PKP	04 25	17.0	-2.9					BJI	150.0	106	ePKP	04 25	43.0	-0.3					
			PP	04 28	02.0	-1.5								PPMZ			$m_B=7.2$	9.0	14.4			
LZH	140.4	98	LZ			$M_S=7.2$	20.0	40.8				LN			$M_S=7.2$	18.0	20.4					
			PKHKP	04 25	10.5	-1.3								LZ			$M_S=7.1$	20.0	28.3			
			PKP	04 25	13.5	-5.6								DL2	152.0	114	-iPKP	04 25	47.0	0.6		
			sPKP	04 25	22.0	-2.5								PP	04 29	33.0	-3.0					
			PP	04 28	05.0	0.2								PPMZ			$m_B=7.2$	7.0	11.1			
GTA	140.5	91	PPMZ			$m_B=7.4$	4.0	7.62				LN			$M_S=7.5$	19.0	39.9					
			SKKS	04 34	52.0	-2.4								LE				20.0	31.2			
			LN			$M_S=7.5$	20.0	45.1						LZ			$M_S=7.0$	22.0	26.3			
			LE				18.0	28.0			SNY	155.2	112	+iPKP	04 25	49.0	-1.7					
			LZ			$M_S=7.2$	24.0	47.3						PKP2	04 26	20.0	3.4					
XAN	141.6	105	LN			$M_S=7.2$	24.0	47.3				LN			$M_S=7.6$	19.0	31.9					
			LE				18.0	24.6						LE				18.0	42.5			
			LZ			$M_S=7.5$	20.0	74.6						LZ			$M_S=7.6$	20.0	91.3			
			PKHKP	04 25	17.0	-1.2					CN2	157.5	111	-PKP	04 25	52.0	-1.9					
			sPKP	04 25	26.0	-3.1								PKP2	04 26	25.0	-1.8					
QZN	130.0	119	PP	04 27	20.5	-2.0						PP	04 30	04.0	-3.2							
			PPMZ			$m_B=7.3$	7.0	9.32					PPMZ			$m_B=6.9$	8.0	8.19				
			LN			$M_S=7.6$	18.0	39.3					LN			$M_S=7.5$	18.0	40.0				
			LE				18.0	38.3						LE				18.0	17.2			
			LZ			$M_S=7.5$	19.0	77.3						LZ			$M_S=7.4$	20.0	54.4			
GTA	140.5	91	MDJ	160.3	115	ePKP	04 25	55.6	-1.4													
			PKP2	04 26	36.0	-2.5																
			PP	04 28	26.6	-2.0																
			PPMZ			$m_B=6.8$	7.0	3.97														
			SKKS	04 35	23.0	5.9																
XAN	141.6	105	SS	04 46	48.0	-1.9																
			LE			$M_S=7.4$	19.0	32.2														
			LZ			$M_S=7.4$	22.0	65.4														
			PKP	04 25	25.5	-3.9																
			PP	04 28	34.0	-1.6																
XAN	141.6	105	LN			$M_S=7.4$	17.0	20.6														
			TIY	147.3	105	ePKP	08 29	11.2	3.2													
			BTO	147.9	99	ePKP	08 29	13.5	4.4													
			TIA	148.7	113	ePKP	08 29	13.1	2.9													

DEC 27d 08h 09m $28.9 \pm 0.05s$, SD1.94 / 31
 $55.38 S \pm 1.21km$, $26.50 W \pm 1.01km$, $h32 \pm 0.09km$
 South Sandwich Islands region (153)
 $m_B 4.9 / 8$,

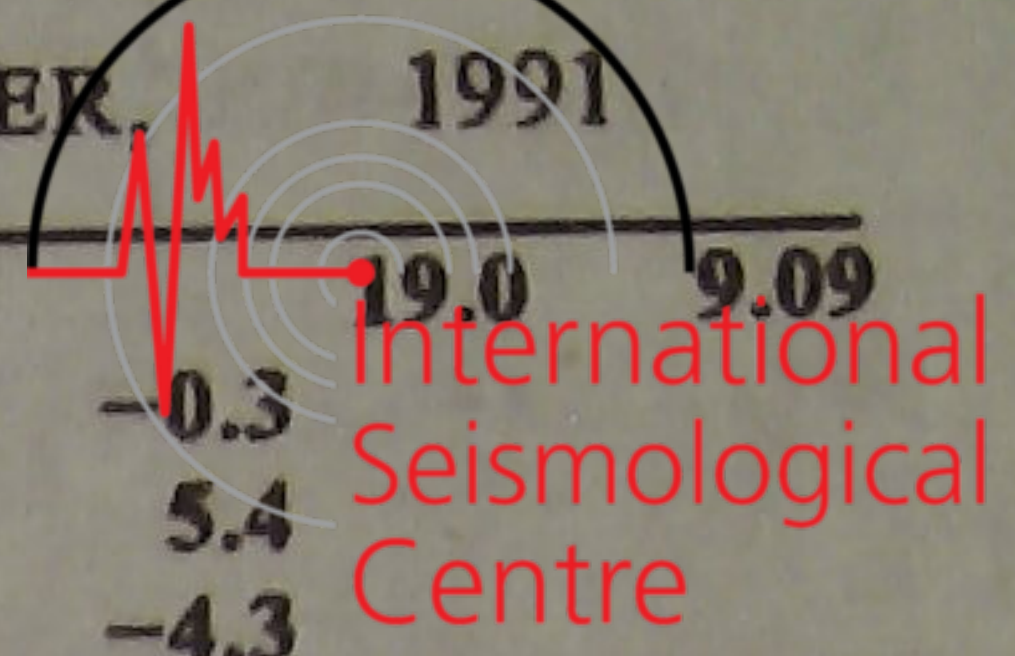


DEC 27d 09h 09m 36.5 ± 0.03s, SD1.14 / 414
 51.07 N ± 0.64km, 98.18 E ± 0.58km, h14 ± 0.10km
 USSR-Mongolia border region (333)
 M_S6.9 / 61, m_B6.0 / 38, m_b5.7 / 115

WMQ	10.1	228	P	09 12 05.0	-0.2		
			PMZ	m _b = 5.4		1.5	0.17
			sS	09 14 10.0	1.7		
			LN	M _S = 7.2		12.0	1300
			LZ	M _S = 6.5		12.0	260
GTA	11.7	174	P	09 12 26.8	0.0		
			PMZ	m _b = 5.8		1.0	0.22
			S	09 14 32.0	-5.9		
			sS	09 14 47.0	0.0		
			LE	M _S = 6.6		6.0	124
			LZ	M _S = 6.2		10.0	103
BTO	13.3	137	P	09 12 47.0	-1.2		
			PMZ	m _b = 6.2		1.2	0.57
			PMZ	m _B = 6.4		6.0	5.20
HHC	13.8	133	+P	09 12 54.0	-0.7		
			PMZ	m _b = 5.9		1.0	0.23
			sP	09 13 03.0	-0.1		
			PP	09 13 07.0	1.9		
			LE	M _S = 6.2		7.0	45.7
			LZ	M _S = 6.8		8.0	264
LZH	15.5	163	+iP	09 13 17.6	0.4		
			PMZ	m _b = 6.2		1.5	1.84
			PMZ	m _B = 6.2		7.0	7.47
			pP	09 13 23.0	1.1		
			sP	09 13 27.5	1.9		
			PP	09 13 31.0	2.1		
			iS	09 16 10.0	0.3		
			sS	09 16 19.0	1.6		
			SS	09 16 30.0	3.3		
			LN	M _S = 6.9		7.0	203
			LZ	M _S = 6.7		15.0	339
BJI	16.7	124	eP	09 13 31.0	-1.1		
			PMZ	m _b = 5.6		1.6	0.46
			PMZ	m _B = 5.5		7.0	1.70
			LN	M _S = 7.4		10.0	603
			LE			10.0	644
TIY	16.8	137	+iP	09 13 32.0	-0.9		
			LN	M _S = 6.9		13.0	324
			LZ	M _S = 6.2		15.0	82.8
XAN	18.7	151	P	09 13 55.6	-1.9		
			PMZ	m _b = 4.5		0.9	0.022
			PMZ	m _B = 6.2		8.0	8.63
			pP	09 14 05.0	2.6		
			PP	09 14 17.0	4.2		
			LN	M _S = 6.7		6.5	70.1
			LE			6.5	41.2
KSH	19.4	242	-P	09 14 05.0	0.0		
			LN	M _S = 7.1		8.0	231
SNY	19.7	108	+iP	09 14 06.0	-2.7		
			PMZ	m _b = 6.0		1.6	1.19
			pP	09 14 14.0	-0.1		
			S	09 17 46.0	1.5		
			LN	M _S = 6.7		11.0	124
			LE			7.0	37.2
CN2	19.8	101	+P	09 14 08.2	-1.0		
			PMZ	m _b = 5.7		1.2	0.40
			PMZ	m _B = 6.3		5.0	7.61
			S	09 17 46.0	0.6		
			LN	M _S = 7.0		9.0	82.0
			LE			9.0	216
TIA	20.1	130	+P	09 14 12.8	-0.5		
			PMZ	m _b = 6.0		1.8	1.27
			PMZ	m _B = 6.3		5.0	7.40

			LN	M _S = 7.0		15.0	281
			LE			16.9	306
DL2	20.5	117	+P	09 14 15.0	-1.8		
			PMZ	m _b = 5.5		1.0	0.23
			PMZ	m _B = 5.9		6.0	3.12
			pP	09 14 24.0	1.5		
			S	09 18 06.0	5.8		
			LN	M _S = 6.6		10.0	67.7
			LE			10.0	62.4
			LZ	M _S = 6.2		15.0	64.3
CD2	20.6	166	+iP	09 14 18.5	0.6		
			PMZ	m _B = 6.1		12.0	9.62
			LZ	M _S = 6.2		8.0	39.2
MDJ	21.9	95	eP	09 14 31.0	-0.9		
			PMZ	m _b = 5.3		1.3	0.17
			PMZ	m _B = 5.9		8.0	3.94
			S	09 18 24.0	-4.2		
			sS	09 18 36.0	-2.3		
			LN	M _S = 7.2		10.0	288
			LE			10.0	202
			LZ	M _S = 5.7		20.0	27.1
LSA	22.0	197	+P	09 14 35.8	3.0		
			LN	M _S = 7.0		10.0	205
WHN	23.8	143	P	09 14 50.0	0.1		
			PMZ	m _b = 5.5		2.0	0.36
			PMZ	m _B = 5.8		7.0	2.53
			S	09 19 02.0	0.8		
			LN	M _S = 6.9		16.0	233
			LE			14.0	54.3
			LZ	M _S = 6.2		20.0	78.8
GYA	25.4	162	+iP	09 15 06.0	0.2		
			PMZ	m _b = 5.9		1.2	0.36
			PMZ	m _B = 6.5		6.0	6.80
			LN	M _S = 6.6		12.0	52.0
			LE			12.0	59.6
			LZ	M _S = 6.2		16.0	61.8
KMI	26.1	171	-P	09 15 13.0	0.5		
			PMZ	m _b = 6.7		1.5	2.52
			pP	09 15 18.0	-0.1		
			S	09 19 40.0	-0.6		
			sS	09 19 47.0	-4.2		
			LN	M _S = 6.6		9.0	45.1
			LE			9.0	37.7
			LZ	M _S = 6.3		12.0	52.3
SSE	26.2	131	-P	09 15 14.5	1.0		
			PMZ	m _b = 5.5		1.4	0.15
			PMZ	m _B = 5.9		9.0	2.40
			LN	M _S = 7.0		17.0	180
			LE			17.0	233
GZH	30.3	151	+P	09 15 48.5	-1.7		
			PMZ	m _B = 6.0		7.0	2.12
			S	09 20 54.0	5.9		
			LN	M _S = 6.8		14.0	106
			LZ	M _S = 6.5		12.0	66.3
QZH	30.4	141	eP	09 15 48.0	-3.3		
			pP	09 15 55.0	-2.4		
			S	09 20 50.0	-0.1		
			sS	09 20 58.0	-2.9		
			LE	M _S = 6.9		18.0	205
QZN	33.3	160	+P	09 16 15.5	-0.8		
			S	09 21 35.0	0.5		
			SS	09 23 41.0	4.8		
			LN	M _S = 6.8		10.0	76.5

DEC 27d 13h 34m 22.0 ± 0.05s, SD2.07 / 25
 24.50 N ± 0.60km, 122.74 E ± 0.77km, h17 ± 0.32km
 Taiwan region (243)
 M_L3.7 / 8, m_b4.2 / 6,



QZH	3.8	277	-Pn	13 35	19.0	-1.2		
			SMN		$M_L=3.5$		0.5	0.14
			SME				0.2	0.093
SSE	6.7	349	-P	13 36	04.5	2.0		
			PMZ		$m_b=4.2$		0.7	0.012
			SME		$M_L=3.5$		1.0	0.022
XAN	15.3	311	eP	13 37	59.6	-0.1		
SNY	17.3	2	+P	13 38	25.1	0.5		
			LZ		$M_S=3.9$		18.0	0.48

DEC 27d 17h 14m $27.1 \pm 0.05s$, SD1.60 / 116
 $8.92 S \pm 0.98km$, $157.86 E \pm 1.01km$, $h11 \pm 0.15km$
 Solomon Islands (193)
 $M_S 5.2 / 4$, $m_b 5.3 / 1$, $m_b 5.1 / 32$

WHN	57.3	315	eP	17 24	17.0	-0.9		
MDJ	59.1	337	eP	17 24	29.0	-1.5		
			PMZ		$m_b=5.4$		1.0	0.055
			sP	17 24	41.5	2.6		
			S	17 32	38.0	3.1		
			ScS	17 34	16.0	0.1		
			LZ		$M_S=4.9$		16.0	0.80
CN2	60.2	333	eP	17 24	40.6	2.8		
			PMZ		$m_b=4.8$		1.0	0.012
			eS	17 32	50.0	0.2		
			eSS	17 36	46.0	-0.5		
GYA	60.9	307	P	17 24	43.0	0.2		
			PMZ		$m_b=5.0$		1.2	0.026
TIY	62.9	321	eP	17 24	56.0	-0.1		
			S	17 33	21.0	-2.0		
			LE		$M_S=5.1$		15.0	0.65
			LZ		$M_S=5.0$		16.0	0.83
XAN	63.1	315	P	17 24	55.9	-1.5		
KMI	63.4	304	-P	17 25	02.5	2.4		
			PMZ		$m_b=5.6$		1.5	0.12
CD2	65.2	310	eP	17 25	10.7	-0.8		
HHC	65.3	323	eP	17 25	12.0	-0.2		
BTO	66.1	322	eP	17 25	16.0	-1.2		
LZH	67.7	315	eP	17 25	26.5	-0.8		
			PMZ		$m_b=5.2$		1.5	0.045
			pP	17 25	36.5	3.7		
			LE		$M_S=4.8$		12.0	0.24
			LZ		$M_S=4.6$		25.0	0.48
GTA	72.1	316	eP	17 25	54.0	-0.2		
			PMZ		$m_b=4.6$		0.8	0.0060
LSA	74.7	304	P	17 26	10.0	0.1		
WMQ	82.2	317	P	17 26	50.4	0.0		
			LN		$M_S=5.7$		6.0	0.62
			LZ		$M_S=4.9$		16.0	0.44
KSH	89.5	310	eP	17 27	27.7	1.2		

DEC 28d 00h 52m $08.8 \pm 0.05s$, SD1.30 / 305
 $56.12 S \pm 1.57km$, $24.41 W \pm 1.54km$, $h11 \pm 0.16km$
 South Sandwich Islands region (153)
 $M_S 6.9 / 42$, $m_b 6.6 / 20$, $m_b 6.0 / 20$

KSH	127.1	72	-PKP	01 11	15.0	0.5		
			PP	01 13	17.0	1.6		
			PPMZ		$m_b=7.6$		8.0	17.6
			eSKS	01 18	24.0	1.7		
			LN		$M_S=7.1$		18.0	16.3
			LE				19.0	12.7
LSA	128.2	93	PKP	01 11	16.8	-0.3		
			PP	01 13	20.0	-3.5		
			PPMZ		$m_b=6.6$		5.0	1.01
			LN		$M_S=6.7$		21.0	9.92
QZN	129.7	118	PKP	01 11	20.0	0.6		
			PP	01 13	32.0	-0.8		
			PPMZ				16.0	4.46
			LN		$M_S=7.0$		18.0	10.6

KMI	131.1	107	LE					
			-PKP	01 11	22.0	-0.3		
			sPKP	01 11	31.5	5.4		
			PP	01 13	38.0	-4.3		
			PPMZ		$m_b=6.5$		7.0	1.40
			PKS	01 14	50.0	-5.8		
			LN		$M_S=6.9$		20.0	12.4
			LE				20.0	5.10
			LZ		$M_S=6.7$		26.0	18.1
GYA	134.2	110	PKP	01 11	29.0	0.9		
			PP	01 14	00.0	-2.2		
			SS	01 31	48.0	-0.1		
			LN		$M_S=6.9$		18.0	9.20
			LE				18.0	5.31
			LZ		$M_S=5.7$		20.0	1.44
GZH	134.8	119	PKHKP	01 11	22.0	-1.2		
			PP	01 14	00.0	-5.9		
			PPMZ				18.0	4.12
			LN		$M_S=7.0$		18.0	13.0
			LE				18.0	7.72
			LZ		$M_S=6.8$		21.0	18.7
CD2	136.1	103	PKP	01 11	28.0	-3.6		
			PP	01 14	12.0	-1.8		
			LZ		$M_S=6.6$		18.0	9.18
WMQ	136.4	77	PKHKP	01 11	21.0	-1.3		
			PKP	01 11	33.0	2.2		
			PP	01 14	16.0	0.6		
			PPMZ				18.0	3.46
			LN		$M_S=6.7$		14.0	5.39
			LZ		$M_S=6.6$		24.0	13.3
QZH	138.9	124	PKHKP	01 11	28.0	-1.2		
			PP	01 14	32.0	0.6		
			PPMZ		$m_b=6.8$		12.0	5.43
			LZ		$M_S=6.8$		20.0	16.2
LZH	140.1	98	PKHKP	01 11	30.0	-1.4		
			PP	01 14	33.0	-5.3		
			PPMZ		$m_b=6.6$		10.0	2.92
			PKS	01 15	05.0	-7.0		
			LN		$M_S=6.9$		20.0	7.68
			LE				18.0	6.82
			LZ		$M_S=6.4$		30.0	9.70
GTA	140.2	91	PKHKP	01 11	31.2	-1.4		
			sPKP	01 11	46.8	3.9		
			PP	01 14	33.0	-6.0		
			PPMZ				15.0	2.62
			LE		$M_S=6.9$		18.0	11.2
			LZ		$M_S=6.8$		18.0	14.7
XAN	141.3	105	PKHKP	01 11	36.0	-1.3		
			PKP2	01 11	33.5	-2.0		
			PP	01 14	39.5	-6.5		
			LN		$M_S=7.0$		19.0	9.77
			LE				8.0	4.69
WHN	141.5	114	ePKP	01 11	37.0	-4.2		
			PP	01 14	44.0	-2.8		
			PPMZ		$m_b=6.5$		11.0	3.03
			LN		$M_S=6.9$		20.0	5.56
			LE				20.0	9.84
			LZ		$M_S=6.7$		21.0	12.7
SSE	145.3	122	-iPKP	01 11	48.0	0.2		
			PP	01 15	08.0	-1.8		
			PPMZ		$m_b=6.6$		11.0	4.50
			LN		$M_S=7.2$		18.0	18.0
			LE				18.0	11.0
			LZ		$M_S=7.1$		20.0	32.1
TIY	146.0	104	+PKP	01 11	48.0	-1.1		
			PP	01 15	20.0	6.2		
			PPMZ		$m_b=6.6$		10.0	4.12
			LN		$M_S=7.1$		18.0	16.0



BTO	146.7	98	LZ	$M_s=6.9$	18.0	18.3
			+iPKP	01 11 50.0	-0.3	
			PP	01 15 25.0	6.9	
			eSKKS	01 22 03.5	-2.2	
TIA	147.3	111	LN	$M_s=7.0$	19.0	9.99
			LE		18.0	10.0
			-PKP	01 11 52.0	0.7	
			LN	$M_s=6.8$	18.0	8.10
HHC	147.7	99	LE		18.0	4.24
			LZ	$M_s=6.5$	24.0	9.46
			+PKP	01 11 52.2	0.2	
			PKS	01 15 25.0	0.7	
BJI	149.7	105	PP	01 15 18.0	-6.3	
			PPMZ		14.0	3.54
			SKS	01 18 50.0	-6.2	
			LN	$M_s=7.2$	28.0	25.9
DL2	151.7	113	LE		27.0	16.3
			LZ	$M_s=6.8$	20.0	13.7
			ePKP	01 11 56.0	1.0	
			ePP	01 15 36.0	1.0	
SNY	154.9	111	PPMZ		16.0	7.00
			eSKKS	01 22 24.0	2.3	
			eSS	01 34 48.0	1.3	
			LN	$M_s=6.8$	18.0	8.20
CN2	157.2	110	LZ	$M_s=6.6$	20.0	9.00
			-iPKP	01 11 58.0	-0.1	
			PP	01 15 42.0	-4.5	
			PPMZ		18.0	3.97
MDJ	160.0	114	LN	$M_s=6.8$	18.0	8.94
			LZ	$M_s=6.5$	20.0	6.72
			-iPKP	01 12 00.0	-2.5	
			PKP2	01 12 22.0	-5.5	
GTA	141.4	92	PP	01 16 02.0	-2.3	
			PPMZ		22.0	5.21
			LN	$M_s=7.0$	21.0	16.0
			LE		23.0	7.95
XAN	142.7	106	LZ	$M_s=6.8$	23.0	13.8
			-PKP	01 12 04.0	-1.7	
			epPKP	01 12 12.0	3.8	
			PKP2	01 12 34.0	-3.7	
TIA	148.7	113	PPMZ	$m_b=6.4$	10.0	2.90
			LN	$M_s=6.6$	16.0	4.50
			LE		16.0	2.34
			LZ	$M_s=6.7$	22.0	11.6
BJI	151.0	106	PKP	01 12 08.5	-0.4	
			PKP2	01 12 49.0	-0.4	
			PP	01 16 30.0	-1.8	
			PPMZ	$m_b=6.3$	12.0	3.26
GTA	148.0	99	LN	$M_s=7.0$	16.0	6.04
			LE		18.0	11.3
			PKP	02 39 49.5	-1.4	
			ePKP	02 39 56.8	-2.6	
TIA	148.7	113	+PKP	02 40 10.6	3.2	
			PKP	02 40 12.0	3.5	
			ePKP	02 40 13.4	3.8	
			ePKP	02 40 18.0	4.8	

GYA	53.5	310	P	03 49 54.0	1.2	
			pP	03 50 03.6	2.6	
MDJ	54.2	342	eP	03 50 00.3	2.9	
XAN	56.2	319	eP	03 50 10.8	-1.4	
CD2	58.0	313	eP	03 50 24.6	-0.5	
			S	03 58 22.0	0.5	
			LZ	$M_s=5.3$	16.0	1.78
HHC	59.0	326	eP	03 50 32.6	0.4	
			eS	03 58 35.0	-1.0	
			LN	$M_s=5.4$	16.0	1.22
			LE		16.0	1.03
			LZ	$M_s=5.3$	20.0	2.62
LZH	60.8	318	eP	03 50 42.5	-1.8	
			PMZ	$m_b=4.9$	1.5	0.026
			pP	03 50 49.0	-3.3	
			sP	03 50 56.5	0.7	
			LE	$M_s=5.1$	15.0	0.69
			LZ	$M_s=5.1$	22.0	1.43
GTA	65.3	319	eP	03 51 17.1	3.2	
			PMZ	$m_b=4.7$	1.0	0.0090

DEC 28d 04h 20m $20.5 \pm 0.06s$, SD1.44 / 57
 $8.82 S \pm 0.70km$, $157.76 E \pm 0.96km$, $h11 \pm 0.14km$
 Solomon Islands (193)
 $M_s 5.0 / 2$, $m_b 5.8 / 1$, $m_b 5.0 / 15$

GYA	60.7	307	P	04 30 35.8	0.5	
			PMZ	$m_b=4.6$	1.2	0.0090
TIY	62.7	321	eP	04 30 49.0	0.3	
XAN	62.9	315	eP	04 30 47.1	-2.8	
KMI	63.3	304	-P	04 30 53.5	0.8	
			PMZ	$m_b=5.5$	1.8	0.11
			PMZ	$m_b=5.8$	4.0	0.46
			LZ	$M_s=5.2$	20.0	1.60
CD2	65.1	310	eP	04 31 03.8	-0.3	
			pP	04 31 07.8	-1.9	
			LZ	$M_s=4.8$	22.0	0.67
HHC	65.2	323	eP	04 31 09.1	4.3	
LZH	67.5	315	eP	04 31 20.0	0.1	
			PMZ	$m_b=5.0$	2.0	0.039
			pP	04 31 30.0	4.6	
			LE	$M_s=4.9$	12.0	0.29
			LZ	$M_s=5.0$	26.0	1.14
GTA	71.9	316	eP	04 31 47.4	0.6	
			PMZ	$m_b=5.0$	1.4	0.025
			LE	$M_s=5.2$	12.0	0.46
			LZ	$M_s=5.8$	26.0	7.03

DEC 28d 05h 08m $25.6 \pm 0.04s$, SD1.51 / 112
 $6.36 S \pm 0.82km$, $150.46 E \pm 1.11km$, $h31 \pm 0.24km$
 New Britain region (192)
 $m_b 5.1 / 21$,

WHN	50.4	319	eP	05 17 22.0	-0.6	
XAN	56.2	318	P	05 18 06.3	0.9	
CD2	58.0	312	P	05 18 20.0	1.6	
			S	05 26 16.0	1.7	
			SS	05 30 13.0	5.9	
			LZ	$M_s=4.8$	18.0	0.73
GTA	65.2	319	eP	05 19 08.2	1.1	
			PMZ	$m_b=4.7$	1.0	0.0090

DEC 28d 05h 35m $29.6 \pm 0.05s$, SD1.29 / 81
 $7.94 S \pm 0.63km$, $125.61 E \pm 0.81km$, $h37 \pm 0.24km$
 Timor (289)
 $M_s 4.9 / 1$, $m_b 5.6 / 1$, $m_b 5.1 / 21$

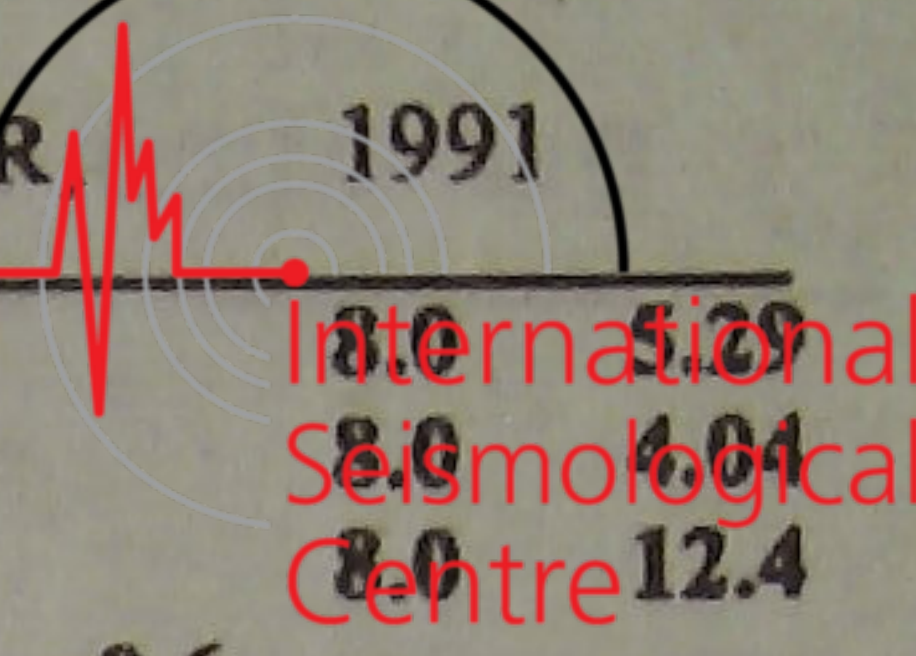
GYA	38.8	332	P	05 42 54.6	1.3	
			PMZ	$m_b=4.6$	1.0	0.011
KMI	39.7	327	+P	05 43 03.0	2.2	
			PMZ	$m_b=5.8$	1.5	0.25

DEC 28d 02h 20m $26.0 \pm 0.05s$, SD2.01 / 47
 $55.40 S \pm 1.46km$, $26.54 W \pm 1.18km$, $h17 \pm 0.11km$
 South Sandwich Islands region (153)
 $M_s 6.4 / 1$, $m_b 5.1 / 9$,

GTA	141.4	92	PKHKP	02 39 49.5	-1.4	
XAN	142.7	106	ePKP	02 39 56.8	-2.6	
TIY	147.3	105	+PKP	02 40 10.6	3.2	
BTO	148.0	99	PKP	02 40 12.0	3.5	
TIA	148.7	113	ePKP	02 40 13.4	3.8	
BJI	151.0	106	ePKP	02 40 18.0	4.8	

DEC 28d 03h 40m $31.5 \pm 0.04s$, SD1.48 / 116
 $6.45 S \pm 0.78km$, $150.39 E \pm 1.06km$, $h26 \pm 0.16km$
 New Britain region (192)
 $M_s 5.3 / 2$, $m_b 5.1 / 19$,

WHN	50.4	319	eP	03 49 31.5	2.1	
TIA	52.7	326	eP	03 49 43.1	-3.2	



WHN	39.8	345	pP	05 43 10.0	-0.5					LN	$M_S = 5.5$	8.0	5.29				
			eP	05 43 02.5	1.6					LE		8.0	4.04				
			PMZ	$m_b = 5.5$		1.5	0.12			LZ	$M_S = 5.7$	8.0	12.4				
CD2	43.9	333	pP	05 43 09.5	-1.4				TIA	20.2	130	eP	09 11 39.2	-0.6			
TIY	47.0	346	eP	05 43 35.8	0.5							LN	$M_S = 5.3$	10.0	2.61		
LZH	48.3	336	eP	05 44 01.0	1.0							LE		9.0	3.88		
			eP	05 44 09.5	-0.8							LZ	$M_S = 5.0$	14.0	4.01		
			PMZ	$m_b = 5.4$		1.5	0.071		CD2	20.6	166	eP	09 11 43.8	-0.7			
			PMZ	$m_b = 5.6$		5.0	0.40					PMZ	$m_b = 5.2$	1.0	0.12		
			pP	05 44 18.0	-2.1				LSA	22.0	196	P	09 12 02.8	3.7			
			sP	05 44 22.5	-1.8							LN	$M_S = 4.6$	10.0	0.82		
			PP	05 46 05.0	3.6				WHN	23.9	143	-P	09 12 18.5	2.1			
			S	05 51 12.0	6.2							PMZ	$m_b = 4.9$	1.4	0.064		
			LN	$M_S = 4.9$		10.0	0.44					pP	09 12 26.0	0.8			
HHC	50.2	346	eP	05 44 24.4	-0.4							eS	09 16 34.0	6.6			
MDJ	52.4	4	+P	05 44 41.8	0.6							LZ	$M_S = 4.7$	16.0	1.79		
			PMZ	$m_b = 5.8$		1.2	0.16		GYA	25.5	162	P	09 12 32.8	0.5			
GTA	52.8	335	P	05 44 44.4	0.0							PMZ	$m_b = 5.3$	1.2	0.094		
			PMZ	$m_b = 5.4$		1.2	0.060					sP	09 12 46.0	1.1			
WMQ	61.9	330	pP	05 44 51.2	-3.1				KMI	26.2	170	+P	09 12 39.5	0.6			
			P	05 45 47.8	-0.6							PMZ	$m_b = 5.6$	1.0	0.15		
			pP	05 45 55.0	-3.6							pP	09 12 46.0	-1.5			
												LN	$M_S = 4.8$	9.0	0.50		
												LE		9.0	0.80		
												LZ	$M_S = 4.8$	12.0	1.70		
<p>DEC 28d 09h 07m $04.8 \pm 0.03s$, $SD1.46 / 127$ $51.13 N \pm 0.59km$, $98.12 E \pm 0.59km$, $h32 \pm 0.10km$ USSR-Mongolia border region (333) $M_S 5.4 / 31$, $M_L 5.4 / 1$, $m_b 5.3 / 2$,</p>										<p>DEC 28d 10h 36m $30.1 \pm 0.07s$, $SD0.98 / 188$ $45.52 N \pm 0.90km$, $151.59 E \pm 0.70km$, $h34 \pm 0.26km$ Kurile Islands (221) $M_S 5.1 / 12$, $m_b 5.4 / 2$, $m_b 5.0 / 71$</p>							
WMQ	10.2	228	eP	09 09 31.3	-0.5					CN2	18.7	274	eP	10 40 46.0	-1.5		
			LN	$M_S = 5.5$		6.0	11.0					PMZ	$m_b = 4.8$	1.0	0.043		
			LZ	$M_S = 4.9$		12.0	6.81					epP	10 40 52.0	-3.2			
GTA	11.8	174	eP	09 09 52.0	-2.0							eS	10 44 09.0	-2.1			
			PMZ	$m_b = 4.8$		1.0	0.019					LN	$M_S = 4.9$	14.0	2.09		
			LE	$M_S = 5.4$		8.0	10.4					LE		14.0	2.52		
			LZ	$M_S = 5.3$		8.0	9.72					LZ	$M_S = 4.9$	16.0	4.34		
BTO	13.4	137	P	09 10 14.0	-1.4							-P	10 41 08.4	-0.1			
			LN	$M_S = 5.6$		8.0	6.56		SNY	20.5	270	PMZ	$m_b = 4.8$	1.2	0.062		
			LE			7.0	9.91					eS	10 44 56.0	4.3			
LZH	15.6	163	P	09 10 43.5	-0.8							LZ	$M_S = 4.7$	17.0	2.77		
			PMZ	$m_b = 5.0$		1.5	0.11		BJI	26.4	271	eP	10 42 08.0	2.2			
			PMZ	$m_b = 5.1$		5.0	0.40					PMZ	$m_b = 5.2$	1.0	0.059		
			pP	09 10 50.0	-1.2							eS	10 46 36.0	0.9			
			sP	09 10 54.0	-1.9							LN	$M_S = 5.1$	14.0	1.66		
			PP	09 10 56.0	-0.5							LE		14.0	2.10		
			LN	$M_S = 5.1$		9.0	3.99					LZ	$M_S = 5.0$	16.0	2.92		
			LZ	$M_S = 4.9$		12.0	4.07		TIA	27.5	262	+P	10 42 16.2	0.5			
BJI	16.8	124	eP	09 10 59.0	0.1				HHC	29.3	275	P	10 42 32.4	0.1			
			PMZ	$m_b = 4.3$		1.0	0.015					LN	$M_S = 5.1$	11.0	0.58		
			LN	$M_S = 5.7$		9.0	10.5					LE		13.0	2.33		
			LE			9.0	11.5					+P	10 42 39.2	0.5			
			LZ	$M_S = 5.4$		10.0	9.30		TIY	30.1	269	+P	10 42 39.2	0.5			
TIY	16.8	137	+P	09 11 02.0	2.2				BTO	30.5	276	eP	10 42 42.2	-0.6			
			PMZ	$m_b = 5.4$		1.2	0.20		WHN	32.6	256	eP	10 43 01.0	0.0			
			LN	$M_S = 5.1$		18.0	7.15					LZ	$M_S = 4.9$	16.0	1.79		
			LZ	$M_S = 5.4$		10.0	8.88		XAN	34.4	266	P	10 43 16.2	-0.1			
XAN	18.8	151	eP	09 11 22.0	-2.5							PMZ	$m_b = 5.0$	0.6	0.013		
			LN	$M_S = 5.4$		10.0	4.89					LN	$M_S = 5.1$	10.0	0.89		
			LE			8.0	4.51					LE		12.0	1.28		
KSH	19.4	242	+iP	09 11 32.0	1.0				LZH	36.9	272	P	10 43 38.5	0.7			
			PMZ	$m_b = 5.5$		4.0	1.00					PMZ	$m_b = 5.6$	1.5	0.15		
			LN	$M_S = 5.5$		8.0	2.90					PMZ	$m_b = 5.5$	5.0	0.42		
			LE			10.0	6.60					pP	10 43 46.0	-1.0			
SNY	19.8	108	+P	09 11 36.0	0.9							sP	10 43 51.0	-0.2			
			PMZ	$m_b = 4.9$		1.4	0.093					LN	$M_S = 5.1$	9.0	1.05		
			LZ	$M_S = 5.2$		10.0	4.86					LZ	$M_S = 4.8$	12.0	0.95		
CN2	19.8	101	eP	09 11 35.0	-0.5				GTA	38.1	280	+P	10 43 48.8	0.6			
			PMZ	$m_b = 4.5$		1.0	0.024										
			epP	09 11 40.0	-3.7												



CD2	39.7	265	PMZ	$m_b = 5.2$	1.0	0.042	GTA	65.1	319	sS	11 23 59.0	2.4	17.0	2.04				
			LN	$M_s = 5.2$	8.0	1.06				LN	$M_s = 5.5$	23.0			2.31			
			LZ	$M_s = 5.1$	9.0	1.34				LZ	$M_s = 5.2$							
			+iP	10 44 02.2	0.8					eP	11 16 01.4	0.7						
GYA	40.4	258	PMZ	$m_b = 5.7$	0.9	0.10	WMQ	75.1	318	PMZ	$m_b = 4.8$	0.6	0.0080	12.0	0.85			
			LZ	$M_s = 4.5$	16.0	0.62				PMZ	$m_b = 5.6$							
			+iP	10 44 09.2	2.0					sP	11 16 15.8	4.4						
			PMZ	$m_b = 5.0$	1.2	0.030				LZ	$M_s = 5.2$	22.0				1.82		
KMI	44.0	259	PcP		1.3		DEC 28d 12h 20m	$58.2 \pm 0.34s, SD2.02 / 6$										
			LZ	$M_s = 4.6$	20.0	0.88		$24.99 N \pm 2.23km, 121.23 E \pm 2.42km, h6 \pm 0.30km$										
			+P	10 44 37.5	1.2			Taiwan (244)										
			PMZ	$m_b = 5.7$	1.5	0.16		$M_L 3.4 / 6, m_b 4.1 / 1,$										
QZH	43.7	316	pP	10 44 48.5	2.8		QZH	2.4	269	ePn	12 21 38.5	0.3	1.0	0.20				
			New Britain region (192)							Sn	12 22 14.5	4.7						
			$M_s 5.5 / 9, m_b 5.6 / 4, m_b 5.3 / 33$							SMN	$M_L = 3.3$							
			eP	11 13 26.0	1.1					SME		1.0			0.12			
SSE	46.4	325	P	11 13 49.5	3.2		DEC 28d 12h 52m	$36.9 \pm 0.05s, SD1.26 / 88$										
			PMZ	$m_b = 5.0$	1.4	0.032		$45.15 N \pm 1.49km, 151.31 E \pm 1.02km, h26 \pm 0.30km$										
			PMZ	$m_b = 5.9$	8.0	1.30		Kurile Islands region (222)										
			epP	11 13 56.0	2.3			$m_b 4.9 / 39,$										
WHN	50.2	319	LN	$M_s = 5.7$	18.0	3.30	BJI	26.2	271	eP	12 58 12.0	-0.1	20.0	0.60				
			LE		18.0	4.80				LZ	$M_s = 4.2$							
			LZ	$M_s = 5.5$	20.0	5.90				LZ	$M_s = 5.1$	1.2			0.043			
			eP	11 14 20.0	4.1					PMZ	$m_b = 5.1$							
DL2	52.2	332	LZ	$M_s = 5.3$	16.0	2.38	HHC	29.2	276	-P	12 58 38.8	-0.1	12.0	0.55				
			P	11 14 34.0	3.1					PMZ	$M_s = 4.1$	24.0			0.55			
			LZ	$M_s = 5.0$	24.0	1.76				eP	12 58 44.6	-0.3						
			LZ	$M_s = 5.0$	24.0	1.76				LZ	$M_s = 4.1$	24.0			0.55			
TIA	52.5	326	eP	11 14 28.5	-4.3		BTO	30.4	276	eP	12 58 53.6	4.1	12.0	0.49				
			LN	$M_s = 5.7$	18.0	2.70				XAN	34.1 266	eP			12 59 21.3	-1.1		
			LE		18.0	3.32				LZH	36.7 273	eP			12 59 42.5	-1.8		
			LZ	$M_s = 5.3$	20.0	3.18				PMZ	$m_b = 5.1$	1.5			0.054			
SNY	53.7	335	+P	11 14 42.0	-0.3		GTA	38.0	280	P	12 59 55.2	0.0	0.8	0.034				
			LZ	$M_s = 5.4$	19.0	3.31				PMZ	$m_b = 5.2$							
			eP	11 14 41.5	-2.6					pP	13 00 01.6	-1.5						
			PMZ	$m_b = 5.6$	12.0	0.90				LZ	$M_s = 4.3$	18.0			0.49			
MDJ	54.0	342	S	11 22 22.8	6.5		CD2	39.5	266	P	13 00 07.6	0.0	13.0	0.0				
			sS	11 22 32.0	2.0					DEC 28d 13h 12m $26.5 \pm 0.05s, SD1.48 / 77$								
			LZ	$M_s = 5.2$	50.0	5.79				$17.77 S \pm 1.11km, 115.97 W \pm 1.42km, h10 \pm 0.35km$								
			eP	11 14 48.5	-0.7					Easter Island Cordillera (684)								
CN2	54.7	338	PMZ	$m_b = 4.8$	1.0	0.014	CD2	141.7	298	ePKP	13 32 02.2	2.7	13.0	-4.5				
			epP	11 14 54.0	-2.7					GTA	142.2	312			PKP	13 31 56.0	-4.5	
			LN	$M_s = 5.6$	17.0	2.76									pPKP	13 32 03.4	0.9	
			LE		17.0	0.69									WMQ	147.2 327	PKP	13 32 10.7
LZ	$M_s = 5.5$	17.0	3.19	DEC 28d 15h 59m $44.1 \pm 0.05s, SD1.92 / 57$														
XAN	56.0	319	P	11 14 58.5	-0.3		CD2	57.8	313	P	11 15 12.8	1.1	18.0	0.52				
			pP	11 15 03.5	-2.8					$56.56 S \pm 1.54km, 25.42 W \pm 1.17km, h33 \pm 0.11km$								
			eP	11 15 01.8	1.6					South Sandwich Islands region (153)								
			LN	$M_s = 5.4$	17.0	1.98				$m_b 5.0 / 9,$								
TIY	56.2	324	LZ	$M_s = 5.2$	24.0	2.48	GTA	140.7	92	ePKP	16 19 10.0	-1.9	16.0	0.52				
			LZ	$M_s = 5.2$	24.0	2.48				LZ	$M_s = 5.4$	18.0			0.52			
			P	11 15 12.8	1.1					XAN	141.7 106	ePKP			16 19 11.0	-2.6		
			LZ	$M_s = 4.9$	20.0	1.01				SSE	145.5 123	PKP			16 19 20.7	0.6		
HHC	58.8	326	eP	11 15 17.8	-1.1		TIY	146.4	106	ePKP	16 19 22.0	0.4	16.0	0.5				
			sS	11 23 32.0	-2.1					BTO	147.2 100	ePKP			16 19 24.0	1.0		
			LN	$M_s = 5.5$	15.0	1.61				TIA	147.7 113	-PKP			16 19 26.0	2.3		
			LE		16.0	1.28				HHC	148.2 101	ePKP			16 19 28.0	3.4		
BTO	59.5	325	LZ	$M_s = 5.6$	22.0	5.46	BJI	150.1	107	ePKP	16 19 32.0	4.5	16.0	0.5				
			eP	11 15 22.0	-1.7					DEC 28d 19h 52m $56.6 \pm 0.04s, SD2.51 / 8$								
			ePP	11 17 39.0	3.0					$23.17 N \pm 0.41km, 99.27 E \pm 0.50km, h30 \pm 0.64km$								
			eS	11 23 36.5	5.6					Burma-China border region (297)								
LZH	60.6	318	LN	$M_s = 5.5$	17.0	2.06	CD2	54.7	338	eP	11 15 34.0	3.1	1.2	0.027				
			eP	11 15 34.0	3.1					PMZ	$m_b = 5.1$	1.2			0.027			
			PMZ	$m_b = 5.5$	5.0	0.34				PMZ	$m_b = 5.5$	5.0			0.34			
			sP	11 15 45.5	4.0					eS	11 23 42.0	-2.5						

$M_L 3.8 / 5,$
KMI 3.7 58 Pg 19 54 04.0 0.9
Sg 19 54 49.0 -5.1
SMN $M_L = 3.7$ 1.0 0.24
SME 1.4 0.17

$M_L 3.3 / 3,$
KMI 3.4 58 +Pg 08 28 59.0 4.2
Sg 08 29 40.0 -1.2
SMN $M_L = 3.2$ 1.2 0.090
SME 1.2 0.050

DEC 28d 21h 34m $02.6 \pm 0.07s$, SD2.04 / 36
23.77 N $\pm 0.88km$, 121.83 E $\pm 1.03km$, $h7 \pm 0.36km$
Taiwan (244)

DEC 29d 18h 39m $09.3 \pm 0.04s$, SD1.26 / 221
4.36 S $\pm 0.74km$, 132.77 E $\pm 0.89km$, $h36 \pm 0.05km$
West Irian region (196)

$M_S 4.7 / 15, M_L 4.6 / 10, m_b 4.3 / 7$

$M_S 5.9 / 56, m_B 6.3 / 30, m_b 6.0 / 79$

QZH	3.2	292	ePn	21 34 53.0	-0.1		
			Sn	21 35 29.0	-4.2		
			SMN	$M_L = 4.0$		1.0	0.57
			SME			1.0	0.48
SSE	7.3	356	+P	21 35 51.5	-1.1		
			S	21 37 11.5	-5.0		
			SMN	$M_L = 4.7$		1.4	0.23
			SME			1.4	0.32
			LE	$M_S = 4.4$		7.0	2.10
			LZ	$M_S = 4.2$		12.0	1.80
GZH	7.8	267	P	21 36 01.4	1.8		
			SMN	$M_L = 4.9$		1.2	0.39
			SME			1.4	0.31
WHN	9.5	317	P	21 36 23.2	0.6		
			S	21 38 06.2	-4.0		
			SMN			1.5	0.54
			LZ	$M_S = 4.7$		8.0	2.82
GYA	14.0	284	P	21 37 23.6	-0.3		
			pP	21 37 31.8	3.9		
			S	21 39 56.2	-3.8		
			SMN			1.8	0.22
			SME			1.8	0.12
			LN	$M_S = 4.9$		9.0	1.42
			LE			9.0	2.72
			LZ	$M_S = 4.9$		10.0	3.54
XAN	15.2	315	eP	21 37 40.6	0.6		
			LN	$M_S = 4.8$		8.0	1.70
			LE			10.0	1.37
TIY	16.1	332	eP	21 37 55.4	4.6		
			LN	$M_S = 4.7$		8.0	1.35
			LZ	$M_S = 4.5$		12.0	1.45
HHC	19.1	336	eP	21 38 30.5	1.9		
			LN	$M_S = 4.4$		8.0	0.55
			LZ	$M_S = 4.2$		12.0	0.60
BTO	19.5	332	eP	21 38 36.0	2.7		
			LN	$M_S = 4.8$		10.0	1.44
			LE			11.0	1.01
GTA	24.3	315	eP	21 39 21.6	-0.4		
			PMZ	$m_b = 4.3$		1.4	0.015
			LE	$M_S = 4.7$		10.0	0.90
			LZ	$M_S = 4.5$		12.0	0.91

QZH	32.2	335	eP	18 45 35.0	-1.8		
			LE	$M_S = 6.0$		24.0	30.2
QZN	32.4	317	P	18 45 37.8	-0.6		
			PMZ	$m_b = 5.5$		0.8	0.059
			sP	18 45 50.0	-2.2		
			S	18 50 49.0	0.6		
			sS	18 51 00.0	-5.6		
			LN	$M_S = 5.9$		17.0	12.7
			LE			17.0	11.3
GZH	33.2	326	+P	18 45 45.0	-0.5		
			PMZ	$m_b = 6.0$		1.9	0.51
			PMZ	$m_B = 6.3$		4.0	1.79
			sP	18 45 58.0	-1.4		
			S	18 50 59.0	-2.3		
			sS	18 51 22.0	3.5		
			SS	18 53 09.0	5.0		
			LN	$M_S = 5.8$		14.0	8.95
			LE			14.0	6.04
			LZ	$M_S = 5.8$		25.0	23.5
SSE	36.9	343	+P	18 46 17.3	0.0		
			PMZ	$m_b = 5.2$		0.7	0.027
			PMZ	$m_B = 6.2$		4.0	1.50
			pP	18 46 29.8	2.7		
			sP	18 46 33.0	1.7		
			S	18 51 58.0	-0.8		
			SS	18 54 32.0	3.1		
			LN	$M_S = 5.6$		14.0	3.10
			LE			16.0	4.40
			LZ	$M_S = 5.9$		20.0	18.3
WHN	38.9	334	eP	18 46 34.4	0.6		
			PMZ	$m_b = 6.4$		1.5	0.95
			PMZ	$m_B = 6.1$		4.0	1.18
			pP	18 46 47.5	3.9		
			iS	18 52 28.0	-1.7		
			LN	$M_S = 5.8$		8.0	1.46
			LE			12.6	6.65
			LZ	$M_S = 5.9$		24.0	22.3
GYA	39.7	322	+iP	18 46 41.4	0.9		
			PMZ	$m_b = 5.8$		1.0	0.14
			PMZ	$m_B = 6.3$		4.0	1.97
			sP	18 46 55.0	0.5		
			PP	18 48 18.0	2.1		
			S	18 52 40.0	-0.7		
			SS	18 55 24.0	-6.5		
			LN	$M_S = 5.9$		14.0	7.66
			LE			14.0	4.43
			LZ	$M_S = 5.7$		24.0	12.5
KMI	41.4	317	+P	18 46 55.5	1.2		
			PMZ	$m_b = 5.5$		1.9	0.16
			PMZ	$m_B = 6.2$		4.0	1.60
			pP	18 47 07.0	3.2		
			sP	18 47 10.0	1.9		
			iS	18 53 05.0	-1.6		
			LN	$M_S = 5.8$		13.0	3.20
			LE			13.0	4.60
			LZ	$M_S = 5.9$		24.0	19.0
TIA	42.9	341	+P	18 47 06.8	-0.1		
			PMZ	$m_b = 6.1$		1.6	0.45

DEC 28d 21h 58m $54.2 \pm 0.06s$, SD3.58 / 10
23.26 N $\pm 1.37km$, 99.48 E $\pm 0.76km$, $h17 \pm 1.12km$
Burma-China border region (297)

$M_S 4.0 / 1, M_L 3.9 / 6, m_b 3.9 / 1$

KMI	3.5	57	-Pg	21 59 57.5	0.7		
			Sg	22 00 41.5	-3.1		
			SMN	$M_L = 4.0$		1.4	0.52
			SME			1.4	0.25
			LN	$M_S = 4.0$		6.0	1.40
			LE			6.0	0.90
GTA	16.1	1	eP	22 02 45.0	3.0		
			PMZ	$m_b = 3.9$		1.0	0.0060

DEC 29d 08h 27m $54.1 \pm 0.07s$, SD3.30 / 6
23.39 N $\pm 0.48km$, 99.53 E $\pm 0.32km$, $h9 \pm 0.01km$
Burma-China border region (297)



DL2	44.3	348	PMZ		14.0	3.01	HHC	49.0	339	LZ	$M_s = 5.6$	40.0	13.5
			pP	18 47 19.0	2.1	P				18 47 54.8	-0.4	1.5	0.25
			S	18 53 24.0	-4.3	PMZ				$m_b = 5.9$		4.0	1.57
			LN	$M_s = 6.1$	12.0	3.09				PMZ	$m_B = 6.3$		
			LE		18.0	14.3				pP	18 48 07.5	2.6	
			LZ	$M_s = 5.7$	25.0	11.4				PP	18 49 49.0	1.0	
			eP	18 47 18.0	0.3	S				18 54 49.0	-6.0		
			PMZ	$m_b = 6.5$	1.4	1.07				ScS	18 57 44.0	3.5	
			S	18 53 49.0	1.3					SS	18 58 27.0	5.3	
			LN	$M_s = 6.2$	18.0	10.4				LN	$M_s = 5.9$	18.0	7.47
XAN	44.3	331	LE		17.0	15.1	BTO	49.4	337	LZ	$M_s = 6.0$	22.0	15.8
			LZ	$M_s = 5.7$	22.0	11.1				eP	18 47 57.0	-0.9	
			P	18 47 17.0	-1.3	0.038				sP	18 48 08.0	-3.8	
			PMZ	$m_b = 5.3$	0.8	1.50				LN	$M_s = 6.0$	17.0	6.70
			PMZ		3.0					LE		15.0	4.96
			pP	18 47 30.5	2.3					eP	18 48 25.6	-0.6	
			PP	18 49 02.5	-0.5					PMZ	$m_b = 6.2$	1.6	0.45
			S	18 53 47.0	-1.7					PMZ	$m_B = 6.4$	4.0	1.77
			LN	$M_s = 5.9$	15.0	5.83				PP	18 50 28.0	1.3	
			LE		13.0	4.39				ScP	18 53 28.4	2.0	
CD2	44.7	324	eP	18 47 19.8	-1.4		S	18 55 52.0	0.6				
			PMZ	$m_b = 6.0$	1.4	0.29	SS	18 59 32.0	2.0				
			pP	18 47 33.0	2.0		LN	$M_s = 5.6$	12.0	2.20			
			S	18 53 49.0	-4.8		LZ	$M_s = 5.8$	22.0	10.5			
			LZ	$M_s = 5.9$	24.0	16.0	WMQ	62.8	325	P	18 49 33.5	-0.5	
			eP	18 47 30.9	-0.2					PMZ	$m_b = 6.3$	1.0	0.39
			pP	18 47 43.0	2.1					sP	18 49 49.0	0.8	
			sP	18 47 47.1	2.0					S	18 58 00.0	2.3	
			S	18 54 11.0	-0.6					ScS	18 59 22.0	3.1	
			LN	$M_s = 5.7$	13.0	4.19				LN	$M_s = 6.0$	12.0	4.55
LZ	$M_s = 5.9$	20.0	12.4	LZ	$M_s = 5.8$	20.0				7.32			
+P	18 47 33.0	-4.2	0.75	+P	18 50 09.0	1.0							
PMZ	$m_b = 6.3$	1.8	6.05	PMZ	$m_B = 6.7$	6.0				5.30			
PMZ	$m_B = 6.4$	12.0		pP	18 50 21.0	2.9							
SNY	46.7	351	pP	18 47 45.0	-2.2		S	18 59 06.0	3.7				
			sP	18 47 53.5	2.2		LE	$M_s = 6.6$	24.0	25.7			
			LE	$M_s = 5.2$	13.0	1.40	DEC 29d 19h 43m $16.7 \pm 0.05s$, SD0.98 / 190						
			LZ	$M_s = 5.0$	20.0	1.89	49.76 N $\pm 1.00km$, 155.97 E $\pm 0.65km$, h48 $\pm 0.07km$						
			eP	18 47 37.5	0.1	0.79	Kurile Islands (221)						
			PMZ	$m_b = 6.4$	1.5		$M_s 4.9 / 1$, $m_b 4.9 / 68$,						
			eS	18 54 22.0	-2.1		MDJ	18.6	264	eP	19 47 32.5	-0.1	
			LE	$M_s = 5.9$	18.0	9.21	sP	19 47 48.4	0.3				
			LZ	$M_s = 5.8$	22.0	12.1	CN2	21.6	266	eP	19 48 03.0	-2.0	
			BJI	46.7	342	eP	18 47 50.2	-0.1	0.085	PMZ	$m_b = 4.1$	0.8	0.0070
PMZ	$m_B = 6.4$	6.0				2.80	LZ	$M_s = 4.6$	22.0	2.18			
esP	18 48 02.5	-1.9					SNY	23.8	263	+P	19 48 27.0	0.9	
eS	18 54 41.0	-6.5					SSE	32.0	247	P	19 49 41.3	0.4	
LN	$M_s = 6.2$	20.0				15.7	PMZ	$m_b = 4.8$	0.7	0.012			
LE		20.0				6.71	HHC	32.1	271	P	19 49 41.0	-0.8	
LZ	$M_s = 6.3$	20.0				32.4	TIY	33.2	266	-P	19 49 51.0	-0.8	
+P	18 47 50.0	-1.3				0.75	WHN	36.6	254	-P	19 50 20.0	-0.2	
PMZ	$m_b = 6.4$	1.5				2.15	PMZ	$m_b = 5.3$	0.5	0.025			
PMZ	$m_B = 6.3$	5.0					XAN	37.7	263	eP	19 50 31.8	1.9	
LZH	48.5	328	pP	18 48 05.0	4.0		LZH	39.7	270	eP	19 50 45.0	-1.9	
			PcP	18 49 16.0	-0.4		PMZ	$m_b = 4.8$	2.0	0.028			
			PP	18 49 48.0	5.2		LE	$M_s = 4.9$	15.0	0.92			
			iS	18 54 50.0	0.6		LZ	$M_s = 4.7$	20.0	1.23			
			SS	18 58 17.0	3.6		GTA	40.4	277	eP	19 50 52.0	-0.6	
			LN	$M_s = 5.7$	15.0	4.62	PMZ	$m_b = 4.4$	0.6	0.0040			
			LZ	$M_s = 5.7$	30.0	11.5	CD2	43.1	264	eP	19 51 15.8	1.7	
			+P	18 47 50.0	-1.3	0.14	GYA	44.2	257	P	19 51 24.6	0.9	
			PMZ	$m_b = 5.7$	1.3		DEC 30d 00h 08m $30.4 \pm 0.04s$, SD0.98 / 29						
			pP	18 48 05.4	1.8		24.14 S $\pm 0.73km$, 180.00 W $\pm 0.81km$, h535 $\pm 0.35km$						
S	18 54 56.0	3.3		South of Fiji (171)									
SS	18 58 24.0	5.0		$m_b 4.9 / 14$,									
LN	$M_s = 5.8$	12.0	2.64										
LE		15.0	4.74										



CN2	84.1	324	eP	00 20 05.5	-1.0		
			PMZ	$m_b=4.4$		1.0	0.012
			PcP	00 20 10.0	1.1		
TIY	88.4	313	eP	00 20 27.5	0.5		
XAN	88.9	308	+P	00 20 30.1	0.6		
			PMZ	$m_b=4.4$		0.7	0.0050
HHC	90.6	315	eP	00 20 38.0	0.6		
CD2	91.2	303	eP	00 20 41.6	1.4		

DEC 30d 22h 07m $43.5 \pm 0.05s$, SD1.41 / 123
 $4.53 S \pm 0.84km$, $152.88 E \pm 1.21km$, $h61 \pm 0.19km$
 New Britain region (192)
 $m_b 5.0 / 33$,

MDJ	53.2	339	eP	22 16 56.0	-2.3		
CN2	54.1	336	eP	22 17 03.0	-1.9		
			PMZ	$m_b=5.0$		1.0	0.018
			epP	22 17 18.0	-1.8		
GYA	54.3	307	P	22 17 07.2	0.7		
BJI	55.7	326	eP	22 17 15.0	-1.7		
			PMZ	$m_b=4.8$		1.5	0.020
TIY	56.4	322	eP	22 17 21.0	-0.5		
XAN	56.5	316	P	22 17 21.3	-1.0		
			sP	22 17 44.5	0.9		
KMI	56.9	304	-P	22 17 26.5	1.0		
			PMZ	$m_b=5.3$		1.5	0.060
			pP	22 17 43.0	2.7		
			sP	22 17 51.0	4.3		
CD2	58.6	310	eP	22 17 36.8	-0.5		
HHC	58.9	324	P	22 17 38.6	-0.5		
			PMZ	$m_b=5.0$		1.2	0.021
			LZ	$M_s=4.7$		26.0	0.70
BTO	59.6	323	eP	22 17 44.0	-0.4		
LZH	61.1	316	+P	22 17 54.5	0.1		
			PMZ	$m_b=5.4$		1.5	0.074
			sP	22 18 15.0	-0.7		
			LZ	$M_s=4.6$		20.0	0.40
GTA	65.5	317	eP	22 18 23.0	-0.5		
			PMZ	$m_b=5.3$		1.4	0.057
			pP	22 18 39.0	0.4		
			sP	22 18 45.8	0.8		
LSA	68.2	304	eP	22 18 39.8	-0.7		
WMQ	75.6	317	P	22 19 24.8	0.4		
			PMZ	$m_b=5.0$		1.5	0.031
			pP	22 19 41.5	1.9		
KSH	82.9	311	P	22 20 04.5	0.7		

DEC 31d 04h 47m $33.6 \pm 0.05s$, SD1.73 / 41
 $24.14 N \pm 0.61km$, $121.73 E \pm 0.14km$, $h39 \pm 0.64km$
 Taiwan (244)
 $M_s 3.8 / 5$, $M_L 4.3 / 11$, $m_b 4.5 / 8$

QZH	3.0	286	-P	04 48 19.2	-0.4		
			iS	04 48 51.5	-2.3		
			SMN	$M_L=3.9$		0.7	0.56
			SME			0.7	0.37
SSE	6.9	356	P	04 49 13.0	-2.7		
			S	04 50 30.0	-3.7		
			SMN	$M_L=4.0$		1.0	0.063
			SME			1.0	0.081
			LE	$M_s=3.6$		8.0	0.40
			LZ	$M_s=3.4$		16.0	0.40
GZH	7.8	264	P	04 49 26.5	-0.6		
			S	04 50 49.0	-5.1		
			SMN	$M_L=4.6$		1.0	0.27
			SME			1.0	0.098
GYA	13.8	283	P	04 50 49.8	0.2		
			S	04 53 18.8	-3.1		
			SMN			1.8	0.15
			SME			1.8	0.12

TIY	15.7	332	eP	04 51 18.0	4.1		
			LN	$M_s=4.1$		7.0	0.31
			LZ	$M_s=4.0$		12.0	0.48
CD2	17.3	297	eP	04 51 35.2	1.1		
LZH	19.5	312	eP	04 52 04.5	3.9		
			PMZ	$m_b=4.2$		1.5	0.020
			pP	04 52 11.0	1.9		
			sP	04 52 14.0	-0.1		
			PP	04 52 23.5	5.5		
			LN	$M_s=4.3$		7.0	0.33
			LZ	$M_s=3.9$		16.0	0.44
GTA	24.0	315	eP	04 52 47.2	1.3		
			PMZ	$m_b=4.1$		1.0	0.0080

DEC 31d 05h 21m $40.8 \pm 0.07s$, SD2.90 / 14
 $26.36 N \pm 0.52km$, $100.19 E \pm 0.71km$, $h13 \pm 0.31km$
 Yunnan Province (318)
 $M_L 3.5 / 7$,

KMI	2.6	117	-Pg	05 22 28.0	0.9		
			Sg	05 23 03.0	0.5		
			SMN	$M_L=3.7$		1.5	0.40
			SME			1.5	0.40
			LN			4.0	0.60
			LE			6.0	0.50
CD2	5.5	34	Pn	05 23 03.8	0.8		
			SMN	$M_L=3.5$		1.0	0.036
			SME			1.2	0.052
GYA	5.8	88	ePg	05 23 22.6	-1.0		

DEC 31d 18h 47m $52.4 \pm 0.04s$, SD1.30 / 58
 $23.24 S \pm 0.65km$, $179.14 E \pm 0.81km$, $h565 \pm 0.24km$
 South of Fiji (171)
 $m_b 4.9 / 23$,

CN2	82.9	324	-P	18 59 20.0	0.0		
			PMZ	$m_b=4.6$		1.0	0.022
TIA	83.2	314	-P	18 59 22.0	0.4		
			PMZ	$m_b=4.9$		1.4	0.052
BJI	86.0	317	eP	18 59 35.0	-0.2		

DEC 31d 21h 14m $15.2 \pm 0.06s$, SD2.37 / 66
 $30.78 N \pm 0.71km$, $99.60 E \pm 0.60km$, $h11 \pm 0.08km$
 Sichuan Province (307)
 $M_s 4.5 / 21$, $M_L 4.3 / 10$, $m_b 4.3 / 14$

CD2	3.6	87	Pn	21 15 13.6	2.5		
			Pg	21 15 18.0	-0.3		
			Sg	21 16 07.0	-0.2		
			SME	$M_L=4.3$		0.8	0.79
			LN	$M_s=4.6$		8.0	8.95
			LZ	$M_s=4.5$		6.0	3.81
KMI	6.3	153	+Pn	21 15 52.0	3.8		
			PMZ	$m_b=4.7$		1.0	0.080
			LN	$M_s=4.6$		7.0	2.80
			LE			7.0	2.00
			LZ	$M_s=4.3$		10.0	2.70
LZH	6.4	33	ePn	21 15 51.0	1.3		
			PMZ	$m_b=4.3$		1.8	0.050
			pP	21 15 57.5	1.2		
			SMN	$M_L=4.8$		1.5	0.68
			SME			1.5	0.40
			LE	$M_s=4.6$		7.0	3.33
LSA	7.4	264	Pn	21 16 08.9	4.9		
			LN	$M_s=4.0$		9.0	0.90
GYA	7.5	123	Pn	21 16 06.6	0.8		
			SMN	$M_L=4.5$		1.4	0.15
			SME			1.4	0.16
			LN	$M_s=4.7$		10.0	3.83
			LE			10.0	2.48
			LZ	$M_s=4.1$		14.0	1.89

XAN	8.5	65	eP	21 16	20.6	-1.2		
TIY	12.7	53	eP	21 17	18.5	0.0		
			LN		$M_s=4.4$		8.0	0.98
			LZ		$M_s=4.2$		10.0	0.89
WHN	12.7	87	eP	21 17	21.2	2.3		
			LN		$M_s=4.6$		10.0	1.75
			LE				9.0	0.74
BTO	12.9	38	eP	21 17	24.0	1.7		
			LN		$M_s=4.4$		9.0	0.64
			LE				9.0	0.81
HHC	14.0	41	eP	21 17	36.8	1.1		
			LN		$M_s=4.2$		7.0	0.20
			LE				6.0	0.33
TIA	15.6	65	eP	21 18	01.7	4.8		
WMQ	16.1	327	P	21 18	05.0	1.8		
			pP	21 18	09.4	1.7		
BJI	16.3	51	eP	21 18	03.0	-3.6		
SNY	22.2	54	eP	21 19	15.6	2.3		
CN2	24.2	50	eP	21 19	35.0	1.7		
			PMZ		$m_b=4.2$		1.0	0.0080
			esP	21 19	45.0	3.4		
			LN		$M_s=4.4$		10.0	0.44
			LE				10.0	0.27
			LZ		$M_s=4.4$		10.0	0.64

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