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中国地震台网观测报告

(一九七一)

Seismological Bulletin

China

中国 北京

中国科学院地球物理研究所

一九七三年三月

1971

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说 明

- 一、报告中的时间使用国际时G.M.T。
- 二、一般情况下，我们使用J-B走时表定震中。
- 三、对于发生在中国国内和中国附近的较大地震($M \geq 5$)的震中，都使用电子计算机进行了修订；对于国外的地震，引用USNOS或JMA。
- 四、用北京台1965年的计算公式定震级：

$$\Delta < 130^\circ, M = \log \left(\frac{A}{T} \right) + 1.66 \log \Delta^\circ + 3.50;$$

$$\Delta > 130^\circ, M = \log \left(\frac{A}{T} \right) + 6.74$$

$$+ \frac{1}{2} \left[(2.147e^{-0.04465\Delta^\circ} + 1.325) \times 10^{-2} \right.$$

$$\times (\Delta^\circ - 90^\circ) + \log \sin \Delta^\circ$$

$$\left. + \frac{1}{3} (\log \Delta^\circ - 1.954) \right];$$

体波震级 m 化为 M_B (M_{PZ} , M_{PH} , M_{PPZ} , M_{PPH} , M_{SH}),

用李希特1955年的计算公式。

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台 站 目 录

台 名	汉语拼音 代 号	北 纬	东 经	海拔高度 (公尺)	仪 器
北 京	BJI	40°02'25"	116°10'30"	43	SK, 64, 513, SH
包 头	BTO	40°35'54"	110°01'06"	1120	SK, 64
成 都	CDU	30°39'37"	104°00'40"	506	SK
长 春	CNH	43°49'45"	125°18'48"	236	SK, 513
广 州	GZH	23°05'13"	113°20'38"	11	SK, SH
花 溪	HXI	26°27'31"	106°39'50"	1162	SK
昆 明	KMI	25°07'24"	102°44'24"	1945	SK
喀 什	KSH	39°27'19"	75°58'48"	1286	SK
拉 萨	LSA	29°42'00"	91°09'00"	3658	VGK
兰 州	LZH	36°05'12"	103°50'40"	1560	SK, 64, 513
南 京	NJI	32°03'48"	118°47'00"	10	SK, 64
余 山	SSH	31°05'48"	121°11'11"	90	SK, 64
泰 安	TIA	36°12'41"	117°07'28"	260	SK, 64, 513
武 昌	WCH	30°32'37"	114°21'01"	26	SK, 64
乌 鲁 木 齐	WMQ	43°49'16"	87°41'42"	970	SK, 62
西 安	XAN	34°02'22"	108°55'17"	630	SK, 64

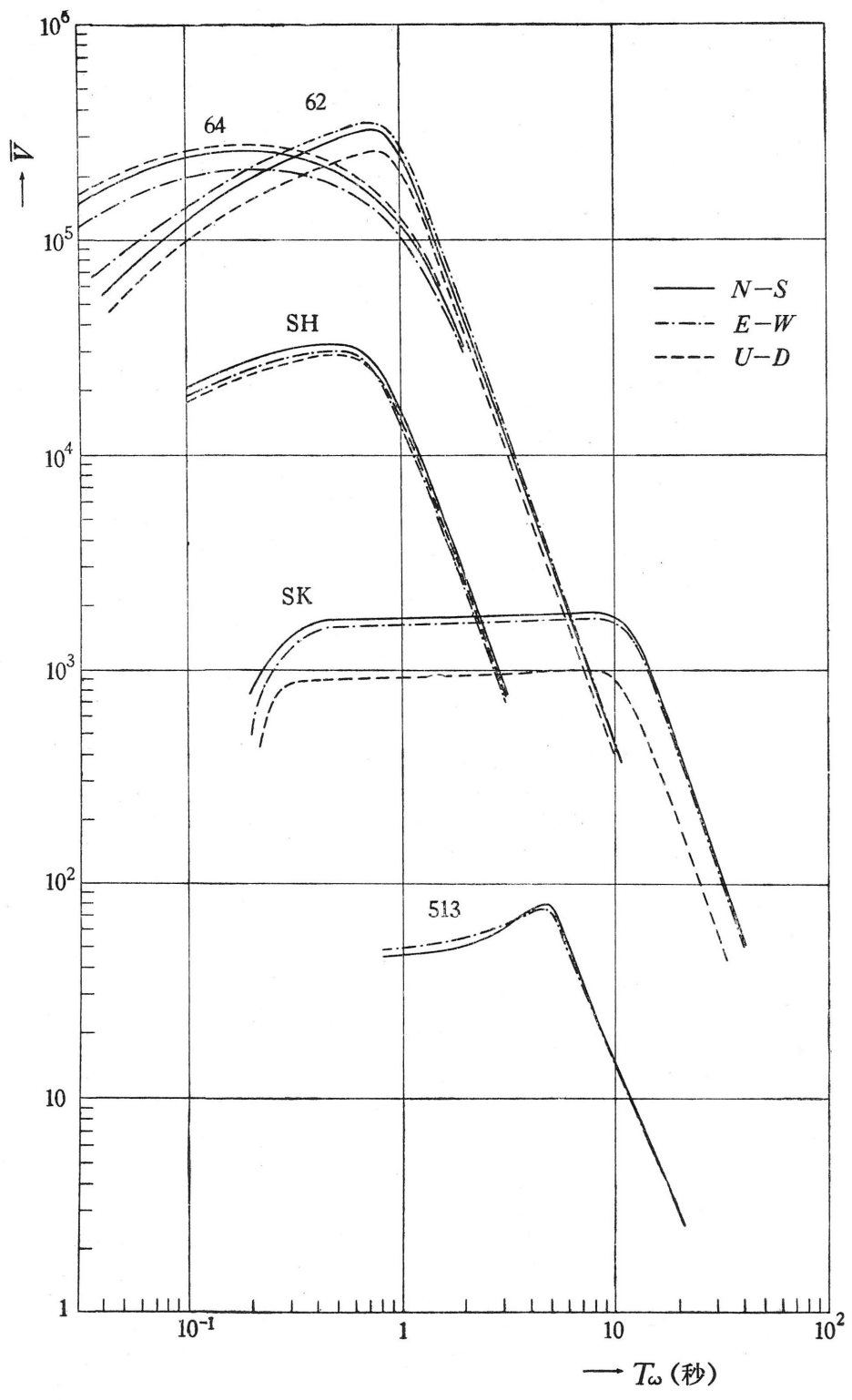
仪 器 常 数

仪器型号	T_1	T_2	D_1	D_2	σ^2	r_1	V_0	R_v
62	1.0	0.5	0.6	1.5	0.3		3×10^5	120
64	1.5		0.7				2.7×10^5	120
VGK	1.0	0.10	0.5	4.0	0.3		3×10^4	120
SK	12.5	1.2	0.45	5.5	H:0.07 Z:0.30		H:1600 Z:900	30
SH	0.8	0.4	0.7	2.0	0.25		3×10^4	60
513	4		0.3			0.10	50	30

- 64 64型电子放大可见记录地震仪
 62 62型电流计记录地震仪
 513 513式水平向机械记录中强地震仪
 SK 基尔诺斯 (Kirnos) 式电流计记录地震仪
 SH 哈林 (Harin) 式电流计记录地震仪
 VGK 维开克 (Vegik) 电流计记录地震仪

- T_1 拾震器的周期
 T_2 电流计的周期
 D_1 拾震器的阻尼常数
 D_2 电流计的阻尼常数
 σ^2 耦合系数
 r_1 摩擦振幅
 V_0 静态放大倍数
 R_v 记录纸速, 毫米/分

仪器放大倍数曲线



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
1. H=07-57-58.8, 4.0 S, 141.2 E, h=17 km, M=5.6								
SSH	+ P	08-05-35	39.8					
	S	11-37						
NJI	+ P	05-51	41.7					
	eS	12-07						
WCH	L _m			3.7				15
	+ eP	06-02	43.0					
KMI	L _m			5.7				18
	eP	06-36	47.3					
XAN	PP	08-34						
	eS	13-28						
	L _m	22-20			3.3			16
BJI	eP	06-44	48.3					
	S	13-46						
CDU	eP	06-51	49.2					
	eS	13-55						
CNH	L _m			6.1				19
	eP	06-53	49.5					
BTO	P	06-55	49.7					
	eP	07-17	52.7					
LSA	eS	14-45						
	L _m			3.5				15
WMQ	P	07-58	58.2					
	+ P	08-58	67.3					
	S	17-56						
	L _m			2.9				17
3. H=10-11-39.8, 33.6 N, 138.7 E, h=24 km, M=5.5								
CNH	P	10-15-10	14.6					
	S	17-58						
SSH	L _m			9				13
	+ P	15-12	14.8					
NJI	L _m			7.5				12
	eP	15-37	16.7					

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	L _m	16-02	18.7	4.3				10
	eP							
WCH	L _m	16-24	20.7	5.8				14
	+iP							
BTO	L _m	16-51	23.4	5.9				12
	eP							
XAN	eS	21-01						
	L _m	17-00	24.3	8.3				13
	+iP							
KMI	eS	21-18						
	L _m	18-12	32.2	5.9				12
eP								
LSA	L _m	32-50		2.6				12
	P	19-19	40.1					
WMQ	eP	19-20	40.2					
	eS	25-26						
	L _m			6.7				17

3. H=13-51-29.4, 41.4N, 143.4E, h=25 km, M=5.1

BJI	eP	13-56-08	20.2					
	eS	59-56						
SSH	L _m			2.3				13
	eP	56-10	20.4					
NJI	eP	56-16	21.0					
BTO	eP	56-54	24.8					
WCH	eP	57-03	25.8					
	eS	14-01-33						
LSA	L _m			4.0				13
	eP	13-59-34	43.3					

3. H=17-35-40.2, 55.5S, 2.6W, h=33 km, M=6.8

LSA	ePKP	17-54-21	116.8					
WMQ	PKP	54-43	128.1					
	PP	56-29						
	L _m			13.2				18

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	ePKP	54-44	128.7					
XAN	PKP	54-49	131.3					
BTO	ePKP	55-00	137.2					
	ePP	57-28						
	L _m			14				18
BJI	PKP	55-05	140					
	PP	57-36						
	L _m			13				19
CNH	PKP	55-13	144.6					
	PP	58-10						
	L _m			21				22
WCH	ePP	58-23						
	L _m			22				22
NJI	ePKP	55-17	146.9					
	PP	58-29						
	L _m			7.0				18

4. H=21-08-53.4, 34.5N, 137.1E, h=40 km, M=5.8

CNH	-iP	21-11-59	13.1					
	S	14-34						
	L _m			11.7				10
SSH	-P	12-09	13.9					
	S	14-53						
	L _m			(30)				10
NJI	eP	12-30	15.5					
	eS	15-28						
	L _m			14				9
BJI	-P	12-56	17.5					
	S	16-13		4.6				10
	L _m			22				15
WCH	+P	13-20	19.5					
	S	16-59						
	L _m			20				11
BTO	eP	13-47	22.2					
	eS	17-54						



台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	L _m			16.2				13
	eP	13-59	23.4					
	iS	18-08						
CDU	L _m			11.1				9
	eP	14-46	28.3					
	KMI	15-10	31.0					
WMQ	eS	20-10						
	iS	20-12						
	L _m	25-35		10				10
	- P	16-17	38.9					
LSA	S	22-13						
	L _m			9.1				14
	eP	16-19	39.1					

6. H=06-04-21.3, 36.4N, 141.2E, h=45 km, M=5.1

CNH	P	06-07-42	14.2					
	S	10-22						
SSH	L _m			10.2				15
	P	08-21	17.3					
	NJI	08-38	18.7					
BJI	eP	08-48	19.5					
	L _m			2.0				13
XAN	P	09-10	21.7					
WCH	eP	09-22	22.8					
	L _m			5				15
BTO	eP	09-39	24.6					
	L _m			2.8				13
CDU	eP	10-37	30.9					
KMI	+ P	11-07	34.4					
	eS	16-32						
	L _m	26-53		2.4				15
WMQ	+ P	12-02	41.0					
	S	18-14						
LSA	P	12-12	42.1					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
10. H=07-17-03.7, 3.1 S, 139.7 E, h=33 km, M _{PH} =M _{PZ} =8.0, M _{SH} =7.9 (NJI), M=7.7 (GZH, LSA)								
GZH	+ P	07-24-10	36.7					
	S	29-44						
	L _m			570				18
SSH	+ iP	24-24	38.4					
	P _{mNE}			67				14.5
NJI	+ iP	24-41	40.6					
	P _{mNE}			50				13.5
	S	30-48						
	S _m			102				16
WCH	+ iP	24-51	41.6					
	P _m			105			166	15
	iS	31-09						
KMI	+ iP	25-25	45.9					
	iS	32-08						
	S _m	32-24				150		16
XAN	+ iP	25-33	46.9					
	S	32-20						
BJI	+ iP	25-43	48.1					
	P _m			73			112	15
CNH	+ iP	25-48	48.8					
	P _m			63				10
	S	32-45						
BTO	iP	26-07	51.3					
	P _{mz}						39	8
LZH	+ iP	26-09.1	51.6		6.0	5.1		10
	P _m						88	10
	iS	33-19						
CDU	iP	26-40	55.8					
LSA	P	26-47	56.7					
WMQ	+ iP	27-50	56.6					
	P _m						38	10
	S	36-40						



台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

10. H=14-29-56.3, 3.2 S, 139.8 E, h=28 km, M=5.6

SSH	- P	14-37-18	38.6					
	L _m			2.2				13
NJI	- P	37-34	40.8					
	eS	43-35						
WCH	P	37-44	41.8					
	L _m			3.8				14.5
KMI	- P	38-18	46.0					
XAN	- iP	38-28	47.2					
CDU	P	38-36	48.3					
CNH	- iP	38-41	49.0					
	S	45-43						
LSA	P	39-32	55.8					
WMQ	+ P	40-44	66.4					

10. H=16-07-45.9, 3.1 S, 139.8 E, h=33 km, M=5.7

SSH	- P	16-15-10	38.9					
NJI	eP	15-25	40.8					
	eS	21-33						
WCH	eP	15-33	41.7					
	L _m			5.1				18
KMI	eP	16-10	46.2					
CDU	P	16-26	48.3					
BJI	eP	16-27	48.4					
	L _m			6.4				19
CNH	P	16-31	49.0					
	S	23-29						
BTO	eP	16-52	51.7					
	eS	24-12						
	L _m			11.3				20
WMQ	eP	18-33	66.3					

10. H=16-38-36, 3.4 S, 140.0 E, h=27 km, M=5.4

SSH	- P	16-46-02	39.1					
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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	S	51-58	42.5	1.4				15
	eP	46-30						
	L _m							
KMI	eP	47-05	46.9					
BJI	eP	47-21	49.0					
CNH	eS	54-18	50.8					
	P	47-35						
BTO	eP	47-44	52.0					21
	eS	55-04						
	L _m							

10. H=19-13-36.8, 3.2 S, 139.8 E, h=33 km, M=5.5 (BTO, WCH)

SSH	+ P	19-20-59	38.6					
	S	26-52						
NJI	+ P	21-13	40.4					18
WCH	eP	21-25	41.8					
		L _m			3.6			
BJI	eP	22-17	48.3					
	eS	29-16						
CNH	+ iP	22-21	48.8					
BTO	eP	22-41	51.4					
	eS	30-01						
	L _m							19

10. H=19-34-22.3, 3.1 S, 139.7 E, h=39 km

SSH	+ P	19-41-43	38.5					
	S	47-34						
WCH	eP	42-09	41.3					
XAN	P	42-52	47.0					
BJI	+ P	43-01	48.1					
CNH	+ iP	43-05	48.7					
BTO	eP	43-25	51.3					
LSA	P	44-07	57.0					
WMQ	+ P	45-08	66.2					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

10. H=22-14-37.4, 3.2 S, 139.9 E, h=30 km, M=5.6

SSH	+ iP	22-22-00	38.7					
	iS	27-56						
NJI	+ P	22-16	40.8					
	S	28-29						
WCH	L _m			5.5				14
	+ P	22-27	42.0					
KMI	L _m			4.5				17
	+ P	23-01	46.2					
XAN	P	23-09	47.2					
	S	29-59						
CDU	+ P	23-17	48.3					
BJI	+ P	23-20	48.7					
	eS	30-16						
CNH	L _m			5.1				18
	+ iP	23-23	49.1					
BTO	S	30-25						
	eP	23-43	51.7					
LSA	eS	31-01						
	L _m			5.8				21
WMQ	+ P	25-25	66.2					

10. H=23-24-46.7, 3.3 S, 139.8 E, h=33 km, M=5.3 (WCH, BTO)

WCH	+ eP	23-32-26	40.8					
	L _m			0.8				14
KMI	+ P	33-10	46.1					
XAN	P	33-18	47.2					
BJI	eP	33-28	48.4					
	eS	40-26						
BTO	eP	33-52	51.6					
	eS	41-02						
LSA	L _m			3.6				18
	P	34-33	57.2					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	eP	35-34	66.3					

11. H=19-06-45.0, 23.8 N, 121.8 E, h=20 km, M=5.0

SSH	P	19-08-34	7.3					
	S	10-01						
	L _m			9				5
GZH	P	08-39	7.8					
NJI	P	08-51	8.7					
	eS	10-29						
	L _m			19				8
WCH	eP	09-03	9.5					
	eS	10-49						
	L _m			4.9				12
XAN	P	10-20	15.2					
	S	13-09						
	L _m			4.8				7
BJI	eP	10-47	16.9					
	eS	13-57						
	L _m			1.5				13
CDU	eP	10-47	17.2					
	eS	13-56						
	i	14-03						
KMI	+iP	10-51	17.4					
	eS	14-05						
BTO	eP	11-16	19.5					
	eS	14-50						
	L _m			5.7				11
CNH	eP	11-26	20.2					
	eS	15-09						
	L _m			1.9				14
LSA	P	12-38	28.1					

12. H=14-42-15.4, 9.9 N, 138.2 E, h=33 km, M=5.6

NJI	eP	14-48-11	28.7					
	L _m			3.3				10

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	+ P L _m	48-29	30.7	4.2				12
BJI	eP	49-16	36.1					
XAN	eP	49-17	36.3					
	S	54-54						
KMI	+ P L _{mN}	49-26 13-01-31	37.3		3.3			14
CDU	P	14-49-33	38.1					
BTO	eP eS	49-47 55-51	39.8					
LSA	P	50-56	48.4					
WMQ	+ iP	51-48	55.3					

12. H=14-57-11.6, 3.2 S, 140.0 E, h=33 km

SSH	- P eS	15-04-35 10-29	38.8					
WCH	eP	04-59	41.2					
KMI	- P	05-34	46.0					
XAN	P	05-44	47.2					
BJI	eP	05-53	48.4					
CNH	- iP	05-56	48.8					
BTO	eP	06-17	51.6					
LSA	P	06-58	57.2					
WMQ	P	07-59	66.3					

13. H=10-22-46.9, 3.1 S, 139.6 E, h=33 km, M=5.1 (WCH)

SSH	- P	10-30-07	38.4					
WCH	- P eS L _m	30-33 36-37	41.6	1.1				15
KMI	- P	31-06	45.6					
CDU	P	31-23	47.8					
BJI	- P eS	31-25 38-23	48.0					
CNH	- iP	31-29	48.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	iS	38-31						
LSA	iP	32-30	56.7					
WMQ	-iP	33-32	66.0					

14. H=10-23-45.5, 2.9 S, 139.4 E, h=33 km, M=5.3 (WCH, BTO)

SSH	eP	10-31-04	38.1					
WCH	eP	31-38	42.3					
	L _m			1.3				17
BJI	eP	32-14	46.8					
XAN	eP	32-15	46.9					
CNH	eP	32-26	48.3					
BTO	eP	32-51	51.6					
	L _m			3.7				23
WMQ	eP	34-28.7	65.6					

14. H=14-35-02, 25.1 N, 121 E, M=4.2

SSH	eP	14-36-31	5.8					
	eS	37-40						
	Lg ₂	38-08						
	L _m			1.2				5
NJI	eLg ₂	38-53	7.0					
	L _{mE}					1.1		6
WCH	e(P)	37-03	8.0					
	Lg ₂	39-20						
	L _m			0.7				4
XAN	eP	38-23	13.9					
BJI	e(P)	38-43	15.5					
BTO	eP	39-17	18.1					

14. H=18-07-22.1, 3.0 S, 139.7 E, h=33 km, M=5.6 (BJI, BTO)

SSH	+ P	18-14-43	38.5					
	eS	20-35						
NJI	eP	14-58	40.4					
XAN	eP	15-51	46.9					
	eS	22-41						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eP	16-01	48.1	2.8				20
	eS	22-56						
	L _m							
CNH	P	16-05	48.7	6.7				21
BTO	eP	16-24	51.2					
	L _m							
LSA	P	17-06	56.8					
WMQ	eP	18-06	65.8					

18. H=00-03-31.6, 1.0N, 125.8E, h=33 km, M=5.5 (KMI)

SSH	- P	00-09-47	30.8					
	eS	14-45						
KMI	+ P	10-08	33.2	6.8				18
	S	15-18						
	L _m	23-55						
XAN	eP	10-34	36.3					
CNH	P	10-49	38.0					
LSA	P	11-38	44.0					
WMQ	eP	12-58	54.4					

18. H=05-02-08.8, 41.6N, 142.6E, h=47 km, M=4.7

CNH	+ iP	05-04-43	11.0					
BJI	eP	06-37	20.0					
	eS	10-13	1.0				12	
	L _m							
NJI	eP	06-44						20.7
BTO	eP	07-23	24.6	2.4				18
	L _m							
WCH	eP	07-31	25.4	2.1				17
	L _m							
XAN	eP	07-51	27.6					
KMI	- P	09-14	37.2					
WMQ	P	09-39	40.2					
LSA	iP	10-06	43.4					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

18. H=11-24-56.3, 2.8 S, 139.3 E, h=33 km, M=5.8

SSH	P	11-32-14	38.1					
WCH	e(P)	32-44	41.8					
KMI	- P	33-15	45.6					
XAN	eP	33-24	46.8					
	S	40-07						
CNH	- iP	33-36	48.3					
	S	40-31						
BJI	eP	33-42	49.0					
BTO	eP	33-57	51.1					
	eS	41-11						
LSA	P	34-38	56.5					
WMQ	eP	35-39	65.6					
	S	44-21						

21. H=17-19-35.3, 7.8 S, 122.7 E, h=196 km, M_{PZ}=5.9 (WMQ),

M_{SH}=5.2(WCH)

SSH	+ P	26-42	39.1					
WCH	+ P	26-46	39.3					
	sP	27-32						
	S	32-26		2.0				8
	sS	33-48						
NJI	+ P	26-53	40.5					
	sP	27-42						
	S	32-38						
CDU	eP	27-13	42.8					
	S	33-12						
XAN	+ P	27-23	44.2					
	iS	33-32						
BJI	+ eP	27-56	48.5					
	sP	28-41						
	S	34-33						
LSA	iP	27-59	48.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	+iP	28-22	51.8					
	i	29-34						
	iScS	38-24						
WMQ	+P	29-26	60.8				0.2	1.2
	S	37-21						

25. H=00-18-26.1, 9.6 S, 151.3 E, h=38 km, M_{PZ}=6.5, M=6.0

SSH	+P	00-27-18	49.8					
	eS	34-23						
	L _m			8.2				17
NJI	P	27-35	52.1					
WCH	+P	27-49	54.0					
	P _{mz}						5.1	
	S	35-21						
	L _m			4.3				14
CNH	P	28-21	58.4					
	P _{mz}						5.0	
	S	36-21						
KMI	eP	28-23	58.7					
	iP	28-28						
	PP	30-28						
	S	36-29						
	L _{mN}	53-32			2.5			16
BJI	eP	28-26	59.2					
	P _m				1.7		2.8	
	S	36-33						
	L _m			5.4				18
XAN	eP	28-26	59.2					
	S	36-34						
	S _m			5.4				8
CDU	P	28-37	60.8					
BTO	eP	28-53	63.1					
	eS	37-20						
	L _m			13.7				21
LZH	-iP	28-58	64.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA WMQ	iS	37-31						9
	L _m					4		
	P	29-26	68.3					
	P	30-26	78.6					
	P _{mz}						5.1	5
	S	40-23						

25. H=16-08-15.1, 51.5N, 177.7W, h=38 km, M_{PZ}=6.6, M=6.3

CNH	+iP	16-15-32	38.0					
	eS	21-17						
BJI	L _m			36				18
	+iP	16-36	45.9					
	P _m			4.5			6.5	6.5
SSH	S	23-23						
	L _m			29				17
	+iP	16-57	48.6					
BTO	S	23-51						
	L _m			9				18
	eP	17-03	49.3					
NJI	L _m			28				15.5
	+P	17-03	49.3				3.8	8
	L _m			8.0				17
WCH	+P	17-32	53.2			6.0		7
	L _m			36				18
XAN	+P	17-40	54.2					
	L _m			9.1				15
LZH	+iP	17-53	56.0					
	PP	19-58						
	iS	25-39						
	R _m				41	23		17
CDU	iP	18-17	59.4					
	S	26-24						
WMQ	+P	18-18	59.6					
KMI	+iP	18-48	64.2		1.3	1.0	1.8	6
	PP	21-11						



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	iS	27-26	68.0		9.2			16
	L _{mN}	49-37						
	+ P	19-13						

25. H = 16-56-50, 39 N, 123 E, M = 4.6

CNH	+ \bar{P}	16-58-13	4.4					
	i \bar{S}	59-14						
	\bar{S}_m			17.1				2
BJI	P _n	58-06	5.3					
	\bar{P}	58-28						
	S _n	59-05						
	\bar{S}	59-34						
	\bar{S}_m			1.5				0.5
NJI	e \bar{S}	17-01-02	8.0					
	L _m					1.0		3
SSH	eP	16-58-49	8.3					
BTO	eP	59-14	10.2					
	Lg ₁	17-01-52						
	Lg ₂	02-02						
WCH	Lg ₂	02-40	11.2					

26. H = 19-32-04.9, 51.7 N, 174.9 W, h = 36 km, M = 5.4

CNH	P	19-39-33	39.4					
BJI	eP	40-40	47.6					
	eS	47-31						
	L _m			3.4				18
BTO	eP	41-05	50.9					
	eS	48-15						
	L _m			2.5				15
WCH	eP	41-35	55.0					
	eS	49-10						
	L _m			2.1				18
XAN	eP	41-41	55.8					
WMQ	P	42-18	61.2					
LSA	P	43-13	69.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
29. H=21-58-05.4, 51.7N, 150.9E, h=544 km, M _{PZ} =7.0, M _{PH} =7.0, M _{SH} =6.8								
CNH	- iP	22-01-52	18.9					
	P _m			52		42		7
	sP	04-11						
BJI	S	04-56						
	- iP	03-01	26.5					
	P _m			26.5		20		7
	sP	05-31						
	iS	07-00						
SSH	S _m			30				10
	sS	09-42						
	- iP	03-31	30.0					
	P _m			13		21		8
BTO	sP	06-01						
	iS	07-52						
	- iP	03-32	30.1					
NJI	P _m			19				7
	S	07-52						
	sS	10-36						
	- iP	03-36	30.5					
WCH	P _{mz}					24		6
	sP	06-12						
	iS	08-00						
	S _m			42				7
	sS	10-54						
	- iP	04-06	32.9					
XAN	P _m			18		31		8
	pP	05-40						
	sP	06-27						
	iS	08-53						
	S _m			46				8
	sS	11-31						
XAN	iScS	13-26						
	- iP	04-12	34.8					

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LZH	P _{mz}						25.3	6
	S	09-05						
	S _m			25				6
	- iP	04-29	36.9		11.2	13.8	35.4	8
	ipP	06-10						
	iS	09-31						
	isS	12-21						
	i	12-30						
CDU	iScS	13-37						
	i	19-04						
	iP	04-51	39.6					
WMQ	S	10-18						
	- iP	05-14	42.5					
	P _m			27			50	7
	pP	06-50						
KMI	sP	07-49						
	S	10-54						
	S _m			36				8
	sS	13-42						
	- iP	05-34	45.1		9.2	5.9	16.7	7
LSA	P _m	05-36		21	16	13	25	7
	pP	06-54						
	iS	11-32						
	S _{mE}	11-39				33		9
	eP	06-04	49.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

1. H=05-19-23.4, 51.7N, 172.9W, h=40 km, M=6.0

CNH	+ P	05-27-06	41.2					
	eS	33-20						
	L _m				17.5			19
BJI	eP	28-06	48.7					
SSH	+ P	28-27	51.4					
	eS	35-47						
	L _m				5			18
BTO	eP	28-31.5	52.1					
	eS	35-56						
	R _{mE}					14		18
NJI	+ P	28-33	52.2					
	L _m			4.9				20
WCH	+ eP	29-00	55.9					
	eS	36-50						
	L _m					8.2		20
XAN	+ P	29-06.5	56.8					
	eS	37-06						
	L _m				2.6			15
WMQ	+ P	29-42	62.0					
	eS	38-12						
KMI	+ P	30-16	67.2					
	PP	32-35						
	S	39-11						
	L _m			5.9				20
LSA	iP	30-39	71.0					

1. H=12-06-18, 36.9N, 113.5E, M=4.0

BJI	eP _n	12-07-18	3.4					
	P*	07-22						
	\bar{P}	07-28						
	\bar{S}	08-14						
	\bar{S}_m				3.3			0.5

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	iS	45-23	34.0					
	- iP	40-17						
NJI	P _m				21	9	29.3	6
	iS	45-42						
	- P	40-33	35.9					
SSH	P _{mz}						22.4	7
	S	46-12						
	L _m			167				19
	- P	40-39	36.6					
	P _m				8.5	8.1	18.5	5
BTO	eS	46-19						
	S _m				42	49		13
	L _m			172				18
	- iP	41-12.9	40.7		2.9	1.6	6.3	2.4
BJI	P _m	41-21			24	9.3	43.0	5
	S	47-25						
	- P	41-23	41.9					
WMQ	P _m				27		44	4
	S	47-42						
	R _m				114			17
	- iP	41-37	43.6					
CNH	P _m						44.3	6
	S	48-01						
	- P	42-15	48.5					
	P _m				11.8	11	27.5	5
	S	49-13						
	L _m				407			23

5. H=07-33-29.1, 51.8N, 130.8W, h=33 km, M=5.9

BJI	eP	07-44-47	70.5					
	eS	54-10						
BTO	L _m					2.7		15
	eP	45-00	72.6					
	SSH	eP	45-14					
eS		55-03						



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	L _m eP	45-31	78.1		1.9			14

5. H=09-10-32.9, 25.0N, 99.3E, h=30 km, M=5.8

KMI	P _n	09-11-23	3.1			2.6	2.3	6
	\bar{P}	11-31						
	\bar{S}	12-10						
CDU	eP _n	12-18	6.9					
	e \bar{P}	12-40						
	\bar{S}	14-11						
LSA	P	12-40	8.7					
XAN	eP	13-26	12.3					
	eS	15-42						
	Lg ₂	17-08						
GZH	L _m			31				14
	P	13-35	13.0					
	WCH	eP	13-54	14.4				
BTO	eS	16-30						
	L _m			53				
	eP	14-40	17.9					
SSH	eS	17-54						12.5
	L _m			15				
	eP	15-08	20.2					
BJI	eS	18-49						10
	L _m			28				
	eP	15-11	20.6					
WMQ	L _m			20				13
	eP	15-18	21.0					
	e(S)	19-07						
	L _m				26			12

6. H=08-17-48.6, 2.2N, 126.9E, h=33 km, M_{PZ}=5.8, M=5.6

SSH	- P	08-23-51	29.3					3
	P _m				1.2		1.7	
WCH	+ iP	24-03	30.7					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	eS	28-57	30.8		12			22
	L _m							
KMI	+ P	24-04	32.5					
	eS	29-04						
CDU	+ P	24-18	34.0	3.4				16
	PP	25-29						
XAN	S ₁	29-33	35.7		4.7			14
	iS ₂	29-39						
BJI	L _m	37-32	39.0					
	P	24-43						
BTO	+ iP	24-46	41.1	3.1				4
	+ P	25-14						
CNH	P _m		41.3		0.9		1.5	4
	eS	31-11						
LSA	L _m		43.3					16
	eP	25-31.4						
WMQ	P _m	25-34	54.0		0.6	0.3	1.1	3.8
	S	31-44						
LSA	R _m		51.5		7.1	4.0		N 18 E 15
	P	25-33						
WMQ	L _m		54.0			3.5		15
	P	25-50						
LSA	- P	27-12	54.0					
	S	34-46						
LSA	L _m		51.5					20
				7.0				

6. H=10-43-05.5, 47.0N, 154.1E, h=60 km, M_B=5.6

BTO	eP	10-49-27	32.2					
XAN	eP	50-04	36.7					
WMQ	+ iP	51-19	45.8					
LSA	iP	52-03	51.5					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
7. H=02-29-28.2, 51.4N, 176.7W, h=50 km, M _{SH} =6.8 (WCH), M=7.0								
CNH	+iP	02-36-49	39.0					
	iS	42-51						
	L _m				74			15
BJI	+P	37-52	46.8					
	pP	37-57						
	sP	38-04						
	S	44-45						
	L _m					75		15
SSH	+P	38-12	49.7					
	S	45-18						
	L _{mN}				45			16
	L _{mE}					55		18
BTO	+iP	38-19.1	50.3		1.1	1.1	2.2	4
	S	45-33						
	R _m	59-00		320				18
WCH	+P	38-47	54.0					
	S	46-27						
	S _{mE}					24		15
	L _m				99			17
XAN	+P	38-54	54.9					
	S	46-43						
	L _m				88			15
LZH	+P	39-32	60.3					
WMQ	+P	39-33	60.4					
	S	47-51						
	L _m			350				20
GZH	eP	39-34	60.5					
	L _m			60				15
KMI	+P	40-04	65.1					
	PP	42-34						
	S _N	48-54						
	S _E	48-56						
	L _m	03-14-00			67			16

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	P	02-40-26	68.6					
8. H=21-04-21.8, 63.5 S, 61.2W, h=33 km, M=7.2								
GZH	PKP	21-23-39	132.7					
	ePP	26-42						
KMI	+PKP	23-41	133.5					
	PP	26-50						
	L _{mN}	22-16-22			173			28
LSA	PKP	21-23-47	137.0					
CDU	PKP	23-57	142.6					
SSH	PKP ₁	23-57	142.6					
	PKP ₂	24-01						
	PP	27-28						
	L _m				56			28
WCH	-PKP	23-58	143.2					
	PP	27-28						
	L _m				70			27
NJI	+PKP	23-58	143.2					
	(PP)	27-29						
	L _m				26			21
XAN	+PKP ₁	24-02	145.6					
	PKP ₂	24-16						
	L _m				39			21
WMQ	PKP ₁	24-10	150.6					
	PP	28-03						
	PP _{mz}						13	8
BTO	PKP ₁	24-12	151.7					
	PKP ₂	24-42						
	PP	28-16						
	L _m	22-38-00			37			18
BJI	-PKP ₁	21-24-13	152.4					
	PKP ₂	24-46						
	PP	28-19						
	L _m				26			18
CNH	-PKP ₁	24-15	153.9					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	PKP ₂ L _m	25-00				19		18

8. H=23-49-51, 30.0N, 122.3E, M=4.2

SSH	+P _n	23-50-19	1.5					
	\bar{S}	50-38						
	\bar{S}_m				9			4
NJI	- \bar{P}	50-50	3.0					
	\bar{S}	51-30						
	i	51-47						
WCH	L _{mN}			3.2				8
	\bar{S}	53-38	6.9					
	L _{mN}			3.4				8

9. H=14-00-41.6, 34.4N, 118.4W, h=13 km, M=6.6

CNH	+iP	14-13-06	82.2					
	PP	16-18						
	SKS	23-28						
	S	23-31						
	L _m					17		19
BJI	+eP	13-44	89.8					
	eSKS	24-17						
	S	24-31						
BTO	L _m					17		21
	eP	13-56	92.4					
	PP	17-38						
	SKS	24-39						
	S	25-07						
SSH	L _m					19		17
	+P	14-00	93.4					
	S	25-14						
NJI	L _m					6.7		16
	+P	14-04	94.1					
	SKS	24-40						
	S	25-24						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	L _m					4.2		15
	eP	14-21	97.9					
XAN	eS	25-53						
	L _m					15.4		20
	+ eP	14-22	98.1					
	PP	17-43						
WMQ	SKS	25-04						
	S	25-55						
	L _m			9.8				16
	+ P	14-22	98.1					
	S	25-54						
	L _m			24				17

11. H = 12-55-53.8, 51.2N, 177.2W, h=50 km, M=5.5

CNH	eP	13-03-10	38.3					
BJI	eP	04-17	46.4					
	S	11-09						
BTO	L _m				1.2			16
	+ P	04-43	49.9					
XAN	L _m					3.4		16
	eP	05-19	54.7					

11. H = 14-36-55, 30.0N, 122.3E, M=4.1

SSH	- P _n	14-37-25	1.7					
	\bar{S}	37-44						
NJI	\bar{S}_m				5			4
	e \bar{P}	37-55	3.0					
WCH	\bar{S}	38-37						
	L _m			3.8				6
	\bar{S}	40-46	7.0					

12. H = 08-25-38, 25.3N, 120.6E, M=4.4

SSH	eP	08-27-10	6.0					
	eS	28-19						
	L _m				1.0			4



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	eP	27-29.4	7.3					5
	eS	28-56						
	L _m					1.1		
GZH	eP	27-35	7.7					
WCH	eP	27-44	8.4					3
	L _m			1.4				
XAN	eP	29-03	14.2					4
	L _m			0.8				
BTO	eP	29-54	18.2					
LSA	eP	31-23	26.9					
WMQ	eP	32-14	32.7					

12. H = 19-06-53.6, 6.2 S, 146.5 E, h = 113 km, M = 5.6

SSH	eP	19-15-11	46.3					14	
	eS	21-51							
	L _m					2.6			
NJI	+ P	15-25	48.0						
	S	22-15							
KMI	- P	16-01	52.7					10	
	S	23-21							
	S _m	23-26				1.5			
XAN	P	16-04	53.1						
	sP	16-39							
	S	23-23							
CNH	eP	16-04	53.1						
	sP	16-52							
BJI	eP	16-06	53.4						
	sP	16-39							
	eS	23-31							
	sS	24-27							
	L _m					2.6			
BTO	eP	16-32	57.0					18	
	P _m								
	sP	17-04					0.4		6
	i	17-07							

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
LSA	eS	24-19	65.8		0.8	0.3		N 10 E 8	
	S _m								
	sS	25-05							
	L _m							4.8	23
	P	17-31							

13. H=22-09-39.4, 6.0 S, 146.2 E, h=101 km, M_{PZ}=5.5 (BTO, WCH)

SSH	- P	22-17-39	42.4					
	S	24-00						
NJI	- P	17-56	44.5					
WCH	- P	18-07	45.9					
	P _{mz}				0.6	4.5		
CNH	- P	18-47	51.0					
	sP	19-21						
	ScS	28-19						
XAN	- iP	18-50	51.5					
CDU	P	18-58	52.5					
	S	26-28						
BTO	- P	19-21.3	55.6					
	P _m						0.5	5
	L _m					0.5		20
WMQ	- P	20-56	70.0					
LSA	P	21-24	74.7					

14. H=16-27-36.1, 36.6 N, 55.6 E, h=39 km, M_{PZ}=5.2 (BTO), M=5.5

WMQ	+ iP	16-33-04	25.6	14				
	L _m							
LSA	P	33-48	30.4					
KMI	+ P	35-24	41.8					
	PP	37-04						
	eS	41-27						
BTO	L _m	54-57			1.5			12
	+ P	35-29	42.4					
	P _m	35-32				0.7	1.1	6
	ePP	37-06						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
XAN	eS	41-57	43.2		4.5	0.6		12	
	S _m								
	L _m	55-17				1.5		12	
BJI	P	35-36							
WCH	eP	36-04	48.8	3.0				11	
	L _m								
SSH	eP	36-20	53.8	2.6				10	
	L _m								
	P	36-58							

14. H=21-45-22, 37.6N, 115.1E, h=10 km, M=4.1

BJI	P _n	21-46-05	2.4					
	P*	46-09						
	\bar{P}	46-14						
	(S _n)	46-36						
	\bar{S}	46-43						
BTO	\bar{S}_m					2.9		0.5
	e(P _n)	46-39	4.9					
	e \bar{P}	46-50						
	\bar{S}	47-54						
	\bar{S}_m				0.8	1.0		1.6
XAN	Q _m	48-10			1.4	2.3		10
	R _m	49-13			2.0	0.8		6.5
	R _{mz}	49-15					0.4	5.5
	eP _n	46-53	5.8					
	(\bar{S})	48-33						
NJI	L _m			1.2				8
	e(P _n)	47-05	6.6					
WCH	L _m				0.6			5
	e(P _n)	47-09	6.9					
CNH	(S _n)	48-33						
	L _m				2.1			10
	Lg ₁	50-40	9.9					
	L _m					1.1		9

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
15. H=07-51-02.6, 25.2 S, 178.3 E, h=584 km, M _{PZ} =5.5, M _{PH} =5.6, M _{SH} =5.7								
SSH	- P	08-02-04	78.5					
NIJ	- P	02-15	80.4					
WCH	- P	02-27	83.0				3.9	8
	pP	04-28						
	sP	05-23						
	iS	11-51						
CNH	S _m				2.7			9
	- iP	02-34	84.5					
BJI	- P	02-47	87.2					
	P _m				0.3	0.4	1.6	4
XAN	S	12-18						
	- iP	02-54	88.6					
	S	12-25						
KMI	ScS	12-52						
	- P	02-57	89.3					
CDU	i	09-37						
	P	03-04	90.8					
BTO	iS	12-38						
	- P	03-07	91.5					
	P _m	03-14			0.3	0.5	1.4	8
	PP	06-03						
	PP _{mZ}						0.8	9
LSA	S	12-42						
	S _m	12-49			0.7	1.8		N 8 E 10
	L _{mE}					1.4		17
	P	03-47	100.3					
16. H=14-26-06, 23.9 N, 122.4 E, h=15 km, M=5.8								
SSH	- P	14-27-52	7.2					
	S	29-18						
GZH	L _{mN}				43			11
	- P	28-09	8.3					
	L _m			77				12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	eP	28-11	8.7	51				11
	S	29-49						
WCH	L _m		9.7			50		11
	eP	28-26						
XAN	S	30-20	15.5	31				5
	L _{mE}							
BJI	P	29-47	16.9					11
	S	32-43						
KMI	L _m		18.2		20			10
	+ P	30-05						
BTO	sP	30-11	19.6	58	1.1	0.8	1.9	6
	S	33-17						
LZH	L _{mN}		20.1		22			13
	+ iP	30-17						
LSA	PP	30-39	28.5					9
	L _m	37-06						
WMQ	+ iP	30-36.4	34.6		23	14		
	P _m	30-47						
	(S)	34-04			39	24		12
	Lg ₂	36-57						
	Q _m	37-17					34	12
	R _m	38-44						
	R _{mZ}	38-47						12
	+ iP	30-39						
	iS	34-17						16
	L _{mN}							
	+ iP	30-42	20.1					12
	S	34-29						
	i	36-44						9
	R _m							
LSA	P	32-03	28.5					
WMQ	+ iP	32-56	34.6					

台名	震相	G.M.T. h-m-s	Δ (度)	Λ (μ)				T (秒)
				A _H	N-S	E-W	U-D	
21. H=10-35-20.1, 23.8 S, 67.2W, h=169 km, M=6.6								
WMQ	- PKP	10-54-48	151.2					
	L _{mN}				10			18
CNH	- PKP ₁	54-56	157.0					
	PKP ₂	55-28						
	PP	59-06						
LSA	L _{mE}					6.6		20
	- PKP	55-00	160.5					
BTO	- iPKP ₁	55-03	163.5					
	PKP _{1mZ}	55-10					1.3	10
	PKP ₂	55-53						
	sPKP ₂	56-41						
	ePP	59-29						
	sPP	11-00-24						
	SKKS	06-10						
	SKKKS	06-58						
	iSS _E	19-38						
	iSS _N	19-43						
BJI	L _{mE}	12-07-40				10.2		22
	- PKP ₁	10-55-04	164.5					
	PKP ₂	55-53						
	PP	59-38						
	i	11-00-25						
LZH	R _{mE}	12-34-07				11		21
	- iPKP ₁	10-55-06	167.0					
	PKP ₂	56-53						
	iPP	11-00-34						
	PP _{mZ}						5.7	7
XAN	iSKKS	06-16						
	i	10-29						
	- PKP ₁	55-08	170.0					
SSH	PKP ₂	55-58						
	- PKP ₁	10-55-08	170.0					
	PKP ₂	55-56						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	PP	11-00-11	172.0		10.4			22
	L _{mN}							
	-PKP ₁	10-55-09						
	PKP ₂	55-59						
	i _z	57-16						
NJI	PP	11-00-21	172.0					
	SKKS	06-50						
	-PKP ₁	10-55-09						
	PKP ₂	55-57						
	PP	11-00-14						
WCH	L _{mE}		179.0		10.4			23
	-PKP ₁	10-55-11						
	pPKP ₁	56-00						
	PKP ₂	56-37						
	pPKP ₂	57-27						
	PP	11-00-28						
	pPP	01-16						
GZH	L _{mE}		179.5	32		5.4		21
	PKP ₁	10-55-12						
	pPKP ₁	55-47						
	sPKP ₁	56-07						
	L _m							

22. H=11-43-27, 36.5N, 113.3E, M=4.0

BJI	P _n	11-44-37	4.4					
	\bar{p}	44-49						
	(S _n)	45-31						
	\bar{S}	45-41						
	\bar{S}_m							
XAN	P _n	44-39	4.6		2.6	2.0		0.5
	\bar{p}	44-50						
	(S _n)	45-34						
	\bar{S}	45-45						
	\bar{S}_{mE}							
BTO	eP _n	44-47.7	5.2			0.7		3

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	P _m	44-51			0.03	0.01	0.05	0.8
	\bar{P}	44-58.2						
	\bar{P}_m	45-07			0.17	0.19	0.25	0.9
	e \bar{S}_N	45-58						
	\bar{S}_Z	46-00						
	\bar{S}_{mN}	46-09			1.0			1.4
	\bar{S}_{mE}	46-18				0.8		1.4
	Q _{mE}	46-17				0.8		10
	R _m	46-40			1.2	0.5		6
	R _{mZ}	46-42					1.0	8
	eP _n	45-02	6.2					
	L _m			1.1	1.3		1.5	
NJI	eP _n	45-06	6.5					
24. H=19-20-16.8, 19.2N, 121.1E, h=39 km, M=4.7								
GZH	eP	19-22-13	8.0					
	eS	23-39						
	L _m			4				14
WCH	eP	23-18	12.7					
	L _{mN}				2.9			16
KMI	- P	24-27	18.1					
	L _m	32-33		2.2				13
XAN	- iP	24-31	18.4					
	eS	27-56						
CDU	+ iP	24-41	19.3					
BJI	eP	25-02	21.2					
	S _E	28-55						
	R _{mN}				1.0			15
BTO	eP	25-23.4	23.3					
	P _{mZ}	25-37					0.5	1.7
	Q _{mE}	33-10				2.4		20
	R _m	35-05			1.2	0.8	1.4	17
LSA	eP	26-18	29.2					



台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

25. H = 14-36-02.2, 5.9 N, 126.7 E, h = 88 km, M = 5.4 (WMQ)

SSH	+ P	14-41-29	26.2					
	pP	41-53						
	S _E	45-59						
WCH	eP	41-39	27.3					
XAN	P	42-26	32.6					
BTO	eP	43-11.4	37.9					
WMQ	+ iP	44-56.6	51.1					
	PcS	50-03						
	ScS	54-39						
	R _{mN}				2.3			20

25. H = 19-27-53.0, 37.1 N, 138.3 E, h = 40 km, M = 5.6

CNH	- iP	19-30-45	12.0					
	i	33-06						
	L _{mE}					16		13
SSH	P	31-33	15.7					
NJI	eP	31-52	17.2					
	eS	35-02						
	L _{mE}					13		15
BJI	P	31-57	17.6					
	sP	32-08						
	S	35-22						
	R _{mE}	40				6.4		11
WCH	eP	32-36	21.0					
	eS	36-23						
	L _m			11				12
BTO	eP	32-49	22.4					
	S	36-52						
	S _m	37-22			1.0	1.6		N 9 E 13
	R _{mE}	42-16				11		13
	R _{mZ}	42-42					8.4	12
XAN	eP	33-06	24.1					
	L _m			5.4				11

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	+ P	34-21	32.3					
	eS	39-57						
	L _m	48-56		6.0				15
WMQ	eP	35-14	38.5					
	R _m			4.5				12

25. H=22-14-17.7, 3.2N, 95.9E, h=33 km, M=5.4

KMI	+ P	22-19-20	22.5					
	S	23-31						
	L _m	29-35		5.8				13
CDU	+ iP	20-10	27.7					
WCH	+ P	20-46	31.8					
	L _{mN}				5.5			17
XAN	P	20-51	32.3					
	L _m			3.6				13
NJI	eP	21-17	35.3					
	eS	26-57						
	L _{mE}				6.0			17
SSH	P	21-23	36.1					
BTO	+ iP	21-46	38.8		0.5	0.4	1.4	3.5
	P _m	21-48			0.5	0.3	0.8	5
	eS	27-44						
	S _m	28-08			0.7	0.7	0.4	8
	Q _m	37-34		7.0				17
	R _m	40-05			10.0	3.0		14.5
WMQ	R _{mZ}	40-07				8.7	14	
	+ iP	22-00	40.5					
	R _m			2.4				16
BJI	iP	22-01	40.6					
	eS	28-16						
	R _{mE}					2.5		14
CNH	P	22-56	47.4					

26. H=04-55-50.0, 10.4S, 161.3E, h=90 km, M_{PZ}=5.3, M_{PH}=5.0 (BTO)

SSH	P	05-05-24	56.5					
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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	+ P	05-40	58.8					
CNH	+ iP	05-49	60.1					
	pP	06-35						
	PP	07-56						
	e	12-28						
XAN	P	06-30	66.3					
BTO	+ iP	06-50.6	69.5		0.2	0.3	0.7	2.2
LSA	iP	07-43	78.7					
WMQ	+ iP	08-19.4	85.7					

27. H = 16-32-49.4, 40.7 N, 143.5 E, h = 38 km, M = 5.4

CNH	eP	16-36-04	13.8					
	L _{mE}					9.7		15
SSH	eP	37-24	20.3					
	L _{mE}					3.5		14
BJI	P	37-26	20.4					
	eS	41-07						
	R _{mZ}						4.7	17
NJI	eP	37-36	21.4					
	eS	41-44						
	L _{mE}					7.0		14
BTO	+ eP	38-13.1	25.2					
	P _m	38-19			0.2	0.3	0.6	8
	ePP	38-51						
	PP _m	39-03			0.1	0.9		6
	PP _{mZ}						1.0	10
	eS	42-40						
	S _m	43-04			0.5	1.2		N 12
	R _{mE}	48-46				10.3		E 15
	R _{mZ}	48-57					6.0	16
WCH	eP	38-16	25.5					15
	L _{mE}					6.7		13
XAN	eP	38-40	28.1					
WMQ	+ iP	40-29	40.9					
	eS	46-33						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

3. H=21-54-09.1, 48.3 N, 153.0 E, h=120 km, M=5.3

CNH	P	21-58-29	19.6					
	sP	58-57						
	i	22-01-07						
BJI	L _m			4				10
	eP	21-59-46	27.6					
	sP	22-00-15						
SSH	i	05-06						
	L _m			6.9				19
	- P	22-00-07	30.0					
NJI	S	04-47						
	- P	00-13	30.6					
BTO	eS	04-57						
	P	00-20	31.5					
WCH	L _m			2				11
	- P	00-44	34.6					
XAN	- P	00-57	35.3					
LSA	P	02-55	50.5					

4. H=00-28-36.3, 30.4 N, 138.3 E, h=428 km, M_{PZ}=5.3

SSH	- P	00-31-46	14.6					
	S	34-21						
NJI	iP	32-08	16.8					
	S	35-02						
CNH	P	32-11	17.1					
	i	32-47						
	S	35-04						
BJI	- iP	32-45	20.6					
	P _m			1.9			2.9	4
XAN	iS	36-03			4.9	3.5		6.5
	- iP	33-27	25.1					
	P _m						4.5	3
BTO	S	37-18						
	P	33-27	25.1					

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	pP	34-42						
	sP	35-31						
	S	37-19						
	S _m			4.7				7
LSA	P	34-40	33.5					
WMQ	P	35-50	42.0					

4. H=07-48-39.0, 40.7 N, 143.5 E, h=37 km, M=5.0

CNH	P	07-51-54	13.8					
	L _m			3				11
SSH	eP	53-14	20.3					
BJI	eP	53-16	20.4					
NJI	eP	53-24	21.2					
BTO	P	54-03	25.2					
	L _m			3				15
WCH	eP	54-06	25.5					
	L _m			2.5				14
WMQ	P	56-18.5	40.9					
	L _m			2.1				14
LSA	P	07-56-42	43.6					

6. H=08-00-19.1, 21.5 N, 121.9 E, h=41 km, M=4.5

SSH	eP	08-02-39	9.7					
	eS	04-33						
	L _m			2.3				11
WCH	e	05-49	11.0					
	L _m			3				12
XAN	e(P)	04-16	17.0					
	e(S)	07-29						
	L _m				1.1			10
BJI	eP	04-43	19.3					
	(S)	08-23						
	L _m				0.9			11
LSA	eP	06-17	28.9					
WMQ	eP	07-17	35.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
11. H=04-43-35, 29.0N, 103.6E, h=20 km, M=4.6								
CDU	+ iP _n	04-44-11	2.1					
	\bar{S}	44-48						
KMI	P _n	44-31	3.5					
	\bar{P}	44-41						
	S _n	45-14						
	\bar{S}	45-27						
	L _m			4.7				8
XAN	+ P _n	45-17	6.7					
	i \bar{S}	47-13						
	\bar{S}_m			5.1				4
LZH	eP _n	45-22	7.6					
	\bar{P}	45-53						
	\bar{S}	47-32						
WCH	eP	45-53	9.5					
	Lg ₂	48-42						
	L _m				2.4	3.1		8.5
LSA	eP	46-14	10.8					
BTO	eP	46-37	12.6					
	eLg ₂	50-27						
	R _m			1.7				13
NJI	e(P)	46-50	13.5					
	Lg ₂	50-54						
	L _m			1.7				7
BJI	e(P)	47-12	15.2					
	eLg ₂	51-54						
	L _m			0.8				10
SSH	e(P)	47-16	15.5					
	Lg ₂	52-05						
	L _m			1.0				8
WMQ	eP	48-06	19.6					
CNH	e(P)	48-38	22.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
12. H = 05-25-13, 29.1 N, 95.8 E, M = 4.3								
LSA	- iP _n	05-26-12	3.3					
	\bar{P}	26-22						
	\bar{S}	27-05						
KMI	eP	27-33	9.4					
	L _m			0.9			8	
LZH	+ eP	27-46	10.4					
	Q _{mN}	31-20			1.1		10	
XAN	e(P)	28-21	13.0					
	(Lg ₂)	32-10						
WMQ	R _m	33-14		0.9			10	
	- iP	29-06	16.4					
	(S)	32-11						
12. H = 22-32-51, 18.8 N, 119.8 E, h = 44 km, M = 5.6								
GZH	eP	22-34-32	6.9					
	L _m			48			11	
SSH	P	35-42	11.9					
	L _m			12			13	
WCH	eP	35-45	12.2					
	L _m	41-35		20			11	
NJI	eP	35-57	13.1					
	L _m			22			15	
KMI	+ iP	36-46	16.9					
	iS	40-06						
	L _m	42-54		34			15	
XAN	+ P	36-57	17.7					
	S	40-24						
	L _m			8.6			10	
CDU	- iP	37-02	18.2					
	eS	40-34						
BJI	P	37-35	21.1					
	iS	41-34						
	L _m			7.7			15	

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	+ P	37-54	23.0	14				16
	S	42-09						
CNH	P	38-16	25.3	10				13
	S	42-46						
LSA	L _m		28.1					
	P	38-42						

13. H=15-47-57.1, 18.4 S, 173.6 E, h=20 km, M=6.0

NJI	eP	15-59-26	72.3				2.1	16
	eS	16-08-54						
	L _m							
WCH	eP	15-59-39	74.5				3.0	17
	eS	16-09-18						
	L _m							
CNH	eP	15-59-46	75.7					
	S	16-09-35						
BJI	eP	00-02	78.6				1.7	2.4
	S	10-04						
	S _m							
XAN	L _m		80.2				2.7	2.8
	eP	00-11						
	eS	10-24						
BTO	eP	00-25	83.0				3.6	3.8
	S	10-51						
	L _m							
LSA	eP	01-10	92.2					
WMQ	eP	01-44	99.7				3.1	3.4
	S	13-18						
	L _m							

13. H=19-12-25, 5.7 S, 145.4 E, h=118 km,

M_{PZ}=6.5, M_{SH}=5.8, M=5.6

SSH	-iP	19-20-17	43.1					3.2	5
	P _{mz}								
	pP	20-42							
	iS	26-36							

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJJ	S _m				1.1	1.8		7
	sS	27-25						
	-iP	20-34	45.2					
	P _{mZ}						4.5	5
	pP	20-59						
WCH	iS	27-08						
	S _m				1.1	3.8		7
	sS	27-50						
	L _m			3.8				12
	-iP	20-45	46.7					
KMI	P _{mZ}					3.8		5
	S	27-27						
	S _m				1.1	3.3		8
	sS	28-17						
	-iP	21-24	51.7					
CNH	S	28-36						
	S _m	28-42			0.8	1.6		8
	sS	29-28						
	-iP	21-28	52.2					
	P _{mZ}						2.7	5
XAN	eS	28-43						
	L _m			4.8				16
	-iP	21-28	52.2					
	P _{mZ}						7	4
	S	28-45						
BJJ	S _m				1.5	3.8		7
	-iP	21-30	52.5					
	P _{mZ}						2.5	5
	S	28-50						
	S _m				1.1	2.0		7
CDU	L _m				1.1	0.8		13
	iP	21-37	53.4					
	S	29-02						
BTO	-iP	21-56	56.0					
	P _{mZ}						3	5

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA WMQ	pP	22-22						
	S	29-39						
	S _m			2				7
	L _m			3				18
	P	22-41.5	62.7					
	-iP	23-36	71.3					
	P _{mz}						6.5	104
	pP	24-03						
	S	32-46						
L _m					1.0		14	
13. H=23-51-35.5, 50.6N, 129.9W, h=33 km, M=6.1								
CNH	P	00-02-14	64.1					
	PP	04-40						
	eS	11-01						
	L _m			11.3				20
BJI	eP	03-01	71.6					
	S	12-32						
	L _m			5.0				15
BTO	eP	03-13	73.6					
	ePP	06-03						
	eS	12-54						
	L _m			13				16
SSH			76.0					
	eS	13-19						
	L _m			3.7				16
NJI			77.3					
	eS	13-29						
WMQ	L _m			3.0				15
	-P	03-44	79.1					
	PP	06-51						
	S	13-54						
XAN	L _m			6.7				17
	P	03-47	79.6					
	S	14-00						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	L _m			3.3				14
	L _m				3.6			15
15. H=05-35-44.6, 41.7N, 143.7E, h=48 km, M=5.4								
CNH	iP	05-38-56	13.5					
	L _m			17				16
BJI	iP	40-21	20.4					
	L _m			20				15
SSH	eP	40-25	20.7					
	eS	44-10						
	L _m			3				12
NJI	+ P	40-37	22.0					
	L _m			4				13
BTO	P	41-06	24.9					
	L _m			7				16
XAN	eP	41-35	28.0					
WMQ	+ P	43-20.5						
	S	49-23						
	L _m				8.9			16
LSA	iP	43-48	43.6					
16. H=12-32-30.6, 10.9S, 163.7E, h=42 km, M=6.2								
SSH	eP	12-42-24	58.2					
	L _m			8.3				16
NJI	eP	42-39	60.4					
	L _m			5				14
WCH	eP	42-53	62.4					
	PP	45-17						
	eS	51-18						
	L _m			9				15
CNH	P	43-06	64.4					
	L _m			32				20
BJI	eP	43-22	66.8					
	eS	52-10						
	L _m			15.4				19

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	+ P	43-32	68.5	4.8				16
	S	52-27						
KMI	- P	43-37	69.3	8.7				18
	L _m							
CDU	P	43-46	70.8					
BTO	eP	43-47	71.0	8.5				15
	L _m							
LSA	eP	44-42	80.6					
WMQ	P	45-17	87.6					16
	S	55-53						
	L _m							

16. H=20-35-18.8, 8.3N, 127.1E, h=52 km, M_{SH}=6.2, M=6.0

GZH	eP	20-39-45	20.4	34				16	
	L _m								
SSH	- P	40-24	23.2	16				10	
	S	44-37							
	L _m								
NJI	eP	40-40	24.9	12.5				8	
	S	45-03							
	S _m								10
	L _m								
WCH	eP	40-42	25.1	26				15	
	L _m								
KMI	+ P	41-14	28.6	16				16	
	S	46-03							
	L _m								
XAN	eP	41-28	30.1	7.6				13	
	L _m								
CDU	eP	41-34	30.8						
BJI	eP	41-50	32.7	8.7				13	
	S	47-07							
	L _m								
CNH	- P	42-09	34.9						



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	S	47-39	35.2	13				16
	+ P	42-12						
LSA	S	47-46	40.0	14.1				13
	L _m							
WMQ	iP	42-50	48.8					16
	P	44-03						
	S	51-09						
	L _m			25.5				

19. H=16-45-30.1, 2.1N, 126.8E, h=33 km, M=5.3

NJI	eP	16-51-44	30.2					
WCH	eP	51-44	30.2					
	S	56-46						
XAN	L _m			2.8				19
	P	52-28	35.2					
	eS	58-03						
BJI	eP	52-54	38.3					
BTO	eP	53-12	40.5					
	eS	59-26						
CNH	L _m			9.7				25
	P	53-16	41.0					
	S	59-43						
LSA	iP	53-32	42.9					
WMQ	P	54-45	52.2					
	L _{mN}				3.0			19

23. H=02-15-26.9, 22.9S, 176.4W, h=76 km,

M_{PZ}=5.9, M_{SH}=6.2, M=6.0

SSH	eP	02-27-36	82.1					
	eS	37-45						
NJI	S _m				1.1	1.5		8
	L _m			1.5				14
	- P	27-45	83.9					
	P _{mz}						1.0	7
	eS	38-00			0.8	2.0		N 7 E 10

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	L _m			1.7				13
	+iP	27-58	86.5					
	P _{mz}						1.4	7
	iSKS	38-13						
WCH	S	38-25						
	L _m			5.2				19
	P	27-59	86.8					
	P _{mz}						1.4	6
XAN	SKS	38-15						
	eS	38-28						
	L _m			6.0				19
	P	28-24	91.8					
KMI	P _{mz}						1.2	6
	iSKS	38-49						
	S	39-17						
	S _m				1.7	3.6		10
BTO	-P	28-31	92.8					
	SKS	38-57						
	eP	28-35	94.4					
	P _{mz}						0.7	7
	iSKS	39-02						
	S	39-38						
	S _m			1.2				8
	L _m			10				23

23. H=09-26-29.3, 71.0N, 7.0W, h=33 km, M=6.6

WMQ	-iP	09-35-28.5	50.2					
	S	42-49						
	S _m	42-58			9.4			14
BTO	L _m			10.3				13
	+eP	36-35.4	59.3					
	P _{mz}	36-42					2.1	5
	eS	44-48						
	S _m	44-59			2.1	2.2		N10 E13
	L _m	10-00-25				3.3		19

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	P	09-36-38	59.7					
	S	44-57						
	L _m							
XAN	P	37-14	65.1			9.8	12	
	eS	46-03						
	L _m							
NJI	eP	37-42	69.6		3.5	12	N 9 E 14	
	eS	46-57						
	L _m							
WCH	eP	37-45	70.1			10.3	15	
	S	47-04						
	L _m							
SSH	- P	37-51	71.0		4.2	24	N 12 E 17	
	eS	47-17						
	L _m							
KMI	- P	37-58	72.1		6.3	21.0	19	
	S	47-20						
	- P	38-08						
LSA								

23. H=09-52-11.0, 41.5 N, 79.3 E, h=20 km, M=6.0

WMQ	P _n	09-53-51	6.7				
	\bar{p}	54-13					
	S _n	55-11					
	\bar{S}	55-39					
	L _m						
LSA	+ P	55-46	15.2	93			8
LZH	- P	56-43	19.9				
CDU	L _m			31			10
	eP	57-12	22.7				
BTO	eP	57-16.4	23.2				
	Lg ₂	10-04-43					
	R _m	07-51					
XAN	eP	09-57-30	24.5	22			11
	e(Lg ₂)	10-05-35					
	L _m						
				29			13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	- P	09-57-42	25.4	16				14
	eS	10-02-03						
WCH	L _m		30.2	18				11
	eP	09-58-23						
SSH	L _m		35.1	10.7				13
	eP	59-05						
NJI	e	59-02	32.6	15.3				12
	L _m							
CNH	L _m		(33)	23.5				12

23. H=20-47-16.1, 41.6N, 79.5E, h=20 km, M=6.1

WMQ	+ P _n	20-48-54	6.4	33			86	4				
	\bar{P}	49-23										
	S _n	50-19										
	i \bar{S}	50-49										
	\bar{S}_m											
LSA	P	50-51	15.2									
LZH	P	51-46	19.7									
	L _m							10				
CDU	P	52-17	22.6									
	(S)	56-30										
BTO	+ P	52-20	23.0									
	+ P	52-22							0.06	0.29	0.39	4.5
	P _m	52-32							0.6	2.2	3.2	7
	eS _E	56-32										
	eS _{ZN}	56-37										
	S _m	56-52							2.4	4.3		11
	iz	58-52										
	iLg ₂	59-58										
	Rg	21-01-42										
	L _{mN}	02-32								26		
R _{mE}	02-58			21		10						
XAN	+ P ₁	20-52-35	24.4									
	+ P ₂	52-38										

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	P _m				1.2	2.1	3.8	7
	S	56-49						
	S _m					4.7		10
	iLg ₂	21-00-45						
	L _m			25				11
	+eP	20-53-09	27.7					
	P _m				0.32	0.6	1.2	9
	eS	57-52						
WCH	iLg ₁	21-01-58						
	iLg ₂	02-28						
	R _m			18				13
	eP	20-53-26	30.1					
	+iP	53-31						
	S	58-30						
NJI	iLg ₂	21-04-03						
	L _m			18				10
	+eP	20-53-53	32.6					
	eS	59-10						
GZH	eLg ₂	21-05-25						
	L _{mE}			18				14
	P	20-53-58	33.8					
SSH	eP ₁	54-09	34.9					
	+iP ₂	54-13						
	S	59-46						
	Lg ₂	21-06-01						
	L _m			11				12

24. H=02-26-14.7, 5.3 S, 151.5 E, h=71 km, M=5.4

SSH	+iP	02-34-36	46.7					
	pP	34-51						
NJI	+P	34-53	48.9					
	eS	41-44						
WCH	P	35-07	50.7					
	pP	35-21						
	eS	42-15						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	L _m			0.9				10
	P	35-35	54.5					
	eS	43-08						
BJI	+ P	35-45	55.9					
	pP	35-59						
	eS	43-22						
XAN	R _m	56-36		1.7				17
	P	35-48	56.3					
	pP	36-03						
BTO	eS	43-31						
	+iP	36-12.7	59.9					
	P _m	36-14					0.16	1.6
LSA	eS	44-12						
	R _m	58-48		3.1	2.5	1.7		20
	R _{mz}	58-52					2.5	20
WMQ	iP	37-05	67.9					
	+iP	37-52	75.8					
	PcP	38-07						
	PP	40-40						
	S	47-12						
	S _m				0.5			8
	SS	51-43						

24. H=13-54-16.4, 35.5 N, 98.1 E, h=13 km, M=6.3

LZH	- iP _n	13-55-30	4.7					
	\bar{P}	55-47						
	\bar{S}	56-50						
	iz	57-02						
CDU	L _m			182				5
	- iP _n	56-03	6.9					
	\bar{S}	58-07						
LSA	+ P	56-19	8.4					
	i	56-50						
XAN	- P	56-28	9.0					
	Lg ₂	59-12						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	L _m			120				10
	- P	56-49.5	10.7					
	P _{mz}	56-51					0.03	1.8
	P _m	56-58			2.3	9.3	9.9	4
KMI	iLg ₂	59-53						
	L _m	14-00-36			88			8
	+ P	13-56-58	11.1					
WMQ	eS	59-00						
	+ iP	57-01	11.5					
	sP	57-08						
WCH	iS	59-12						
	Lg ₂	14-00-31						
	L _m			188				14
	P	13-57-42	14.5					
BJI	S	14-00-24						
	iLg ₂	02-09						
	L _m			114				11
	- P	13-57-49	15.0					
NJI	pP	55-55						
	eS	14-00-40						
	L _m			64				11
GZH	P	13-58-22	17.5					
	S	14-01-38						
	L _m			63				12
SSH	+ P	58-29	18.2					
	pP	58-37						
	+ iP	58-51	19.8					
CNH	eS	02-31						
	Lg ₂	05-07						
	L _m			109				12
	- iP	13-59-17	22.5					
	S	14-03-23						
	L _m			66				12

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
24. H=20-54-32, 41.6N, 79.3E, M=4.8								
WMQ	eP	20-56-08	6.7					
	\bar{P}	56-34						
	S _n	57-22						
	\bar{S}	58-02						
	L _m			10.3				4
LSA	e(P)	58-07	15.2					
BTO	eP	59-35.3	22.8					
	e(S)	21-03-50						
	Lg ₂	07-01						
	R _m			1.2				N 11 E 13
XAN	eP	20-59-49	24.2					
SSH	e(P)	21-01-20	34.3					
24. H=21-01-56.0, 41.5N, 79.3E, h=29 km, M=5.0								
WMQ	P _n	21-03-34	6.6					
	\bar{P}	04-00						
	S _n	04-48						
	\bar{S}	05-28						
	L _m			17.6				4
LSA	eP	05-33	15.2					
BTO	Lg ₂	14-36	22.8					
	R _m	17-08		1.9				11
	L _m			1.4				11
XAN	P	07-15	24.5					
BJI			27.8					
	L _m			0.9				12
WCH	P	08-05	30.2					
	L _m			1.1				11
SSH	eP	08-47	35.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
25. H = 16-19-51.7, 38.5 N, 142.1 E, h = 53 km, M = 4.9								
CNH	eP	16-23-04	13.7					
	L _m			4.7				18
SSH	+iP	24-07	18.7					
	eS	27-28						
NJI	+P	24-18	19.7					
	L _m			5.0				16
WCH	P	25-03	24.2					
	S	29-18						
BTO	L _m			0.8				11
	eP	25-07	24.6					
	P _{mz}	25-10					0.04	1.4
	R _m	35-16			0.7	5.2		N 11
	R _{mz}	35-19					5.0	E 14 14
XAN	P	25-29	26.9					
WMQ	+iP	27-29	40.9					
LSA	iP	27-44	42.7					
26. H = 17-35-18.0, 60.3 N, 141.0 W, h = 7 km, M = 5.9								
CNH	eP	17-44-49	54.4					
	eS	52-30						
BJI	L _m				3.8			15
	eP	45-39	61.5					
	eS	54-04						
	R _m	18-13-24		1.9				11
BTO	+iP	17-45-52.6	63.6					
	P _{mz}	45-54					0.14	1.5
	eS	54-31						
	Q _m	18-10-07			7.4	16		23
	R _m	15-27		8.0	6.2	5.2		16
	R _{mz}	15-31					6.3	16
SSH	+eP	17-46-12	66.5					
	eS	55-07						
	L _m			2.5				13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	+ P	46-14.5	67.0	1.9				13
	L _m							
WMQ	+iP	46-25	68.6					
	eS	55-33						
XAN	R _m	46-32	69.8	3.7				15
	P							
WCH	eS	55-43	70.1	3.0				12
	L _m							
LSA	+eP	46-34	80.6	2.3				15
	eS	55-49						
	L _m							
	+iP	47-34						

27. H=17-09-52.3, 52.5N, 174.5W, h=138 km, M=5.5 (BTO)

BJI	eP	17-18-15	47.8					
	eS	25-00						
SSH	+ P	18-38	50.8					
	eS	25-39						
BTO	-eP	18-40.3	51.1					
	P _m	18-42.6						
WCH	- P	19-12	55.4		0.07		0.19	1.3
	eS	26-46						
XAN	P	19-17	56.1					
WMQ	P	19-51	61.0					
LSA	iP	20-47	69.8					

28. H=02-54-12.2, 19.1N, 96.3E, h=34 km, M=5.1

KMI	eP	02-56-20	9.0					
	S	58-06						
LSA	L _m		11.8	10				10
	iP	56-58						
LZH	- P	58-26	18.5					
	L _m							
XAN	P	58-29	18.8	6				11

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	eP	02-58-46	20.3					
	eS	03-02-33						
BTO	L _m			7.2				12
	eP	02-59-30.2	24.7				0.06	1.3
SSH	P _{mz}							
	eP	59-40	25.8					
WMQ	eS	03-04-08						
	eP	02-59-43	26.1					
BJI	L _m			0.9				11
	eP	59-55	27.4					
	L _m			1.9				10

28. H=08-23-19.9, 11.8N, 95.1E, h=33 km, M_B=5.5, M=6.5

KMI	- P	08-26-54	15.2					
	S _m	30-00				22.8		11
	L _m			125				13
LSA	iP	27-30	18.1					
CDU	iP	27-56	20.3					
GZH	eP	27-59	20.6					
	L _m			56				12
XAN	- P	28-45	25.2					
	eS	33-08						
WCH	L _m			12				10
	- P	28-49	25.7					
LZH	L _m			67				13
	eP	28-49	25.7					
NJI	eS	33-21						
	L _m			86				12
	- P	29-24	29.5					
SSH	eS	34-16						
	L _m			52				11
	- P	29-34	30.6					
BTO	eS	34-36						
	L _m			66				12
	eP	29-42	31.5					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	eP	29-52	32.7					12
	S	35-07						
	R _m			23				
BJI	eP	30-01	33.7					14
	eS	35-24						
	R _m	45-36		38				
CNH	eP	31-03	41.1					14
	eS	37-17						
	L _m			41				

30. H=11-30-38.9, 51.2N, 177.5W, h=20 km, M=5.7

CNH	P	11-38-01	38.1					18
	PP	39-45						
	S	44-07						
	L _m	54-19		9				
BJI	eP	39-04	45.8					16
	sP	39-16						
	eS	46-48						
	R _m	58-00		3.2				
SSH	eP	39-25	48.5					1.3
	S	46-29						
NJI	+ P	39-31	49.2					
BTO	+ P	39-32	49.3					1.3
	P _{mz}	39-34					0.24	
	PP	41-39						
	eS	46-32						
	iS	46-42						
	Q _m	55-17		2.9				
XAN	R _m	12-00-02	54.0	4.3				15
	P	11-40-07						
	S	47-46						
WMQ	eP	40-47	59.6					18
	L _m			7.3				
KMI	+ P	41-17	64.1					
	eS	49-53						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	iP	41-41	67.8					

31. H=08-16-19.6, 26.2N, 96.6E, h=22 km, M=4.4

KMI	e \bar{P}	08-18-05	6.0					
LSA	eP _n	17-51	6.5					
CDU	e(\bar{P})	18-25	7.0					
XAN	eP	19-25	13.0					
	eS	22-01						
	L _m			0.7				10
WCH	e	20-11	15.5					
	L _m			1.4				9
BTO	eP	20-30	18.9					
	Q _m			1.7				12
WMQ	P	20-44	20.1					
	L _m				0.8			11

31. H=09-14-03.8, 9.0N, 125.7E, h=49 km, M=5.1

SSH	- P	09-19-00	22.4					
	L _m			2.6				14
WCH	P	19-15	23.9					
	L _m			2.6				14
BJI	eP	20-33	32.5					
BTO			33.2					
	L _m			5.2				22
LSA	P	21-22	38.1					
WMQ	P	22-40	47.8					
	eS	13-56						
	L _m			3.1				15

31. H=10-23-57.3, 9.0N, 125.7E, h=33 km, M=5.1

SSH	+ P	10-28-58	22.4					
	eS	32-59						
	L _m			3.3				13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	- P	29-12	23.8					
	eS	33-28						
	L _m			2				14
WCH	P	29-13	23.9					
	L _m			4.2				16
KMI	eP	29-40	26.7					
	PP	30-35						
	eS	34-23						
	L _m			1.1				13
XAN	eP	29-58	28.6					
BJI	eP	30-22	31.4					
	L _m			3.5				18
BTO	e(P)	30-39	33.4					
	L _m			4.0				20
CNH	eP	30-49	34.5					
LSA	P	31-18	37.9					
WMQ	P	32-36	47.5					
	L _m			2.6				14



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
3. H=04-49-00.5, 32.2N, 95.1E, h=20 km, M=6.3								
LSA	P _n	04-50-09	4.3					
CDU	-iP	50-56	7.7					
LZH	P	51-02	8.2					
KMI	+P	51-20	9.8					
XAN	L _m	51-56		100				11
	-P	51-50.0	11.7					
	S	54-02						
	S _m	54-06		3.4				12
WMQ	i _N	55-17						
	iLg ₂	55-31						
	L _m			162				11
	+P	52-05.3	13.0					
	P _m	52-15		2.2	1.2	1.8		7
BTO	S	54-25						
	iLg ₂	55-53						
	-P	52-26	14.7					
	P _m	52-38		1.1	2.2	3.6		7
	eS	55-06						
WCH	S _m	55-22		2.7	1.9			9
	Lg ₁	56-38						
	Lg ₂	57-14						
	Q _m			80	56			14
	+P	52-51	16.5					
GZH	P _m	53-00		0.7	2.8	2.0		6
	eS	55-53						
	S _m	56-18		13.6	13.7	14.5		9
BJI	P	53-13.4	18.0					
	-P	53-21	18.7	0.6	1.3	1.8		4
	P _m	53-31		1.7	3.0	3.8		10
	S	56-46						
	S _m	57-08		7.7	7.4	10		13
	Lg ₂	59-19						
	Q _m			153	83			13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	+ P	53-34	19.9					
	P _m	53-44			0.2	1.2	1.4	6
	S	57-15						
	S _m	57-33			4.6	4.3	7.3	9
	i _N	59-52						
SSH	Q _m			50			12	
	eP	53-58	22.2					
	P _m	54-09			0.3	0.9	0.8	6
	S _N	57-57						
S _m	58-18			16	7.7	6.0	13	
CNH	Q _m			92			15	
	+ P	54-40	26.3					
	P _m	54-42			0.6	2.8	3.0	2
	eS	59-08						
	S _m	59-35			3.3	12.0	7.3	13
Q _m				73			14	

3. H=04-50-42.3, 31.9 N, 95.4 E, h=20 km, M=6.5

XAN	+ P	04-53-30	11.6					
WMQ	eP	53-51	13.3					
WCH	+ P	54-29	16.3					
	P _m	54-38			1.5	7.2	6.2	6
	(S)	57-41						
BJI	S _m	57-56		14	25	11	7	
	(P)	55-01	18.7					
	P _m	55-08			1.3	3.8	3.0	9
	(S)	58-36						
S _m	58-50			14	7.3	5.6	13	
NJI	(P)	55-12	19.9					
	(S)	59-02						
	S _m	59-22			5	6.9	15.6	9
SSH	eP	55-40	22.0					
	P _m	55-48			1.2	3.8	4.1	5
	(S)	59-48						
	S _m	59-56			14.7	11.7	9.5	12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	L _m	56-22	26.3		110			13
	P							
	L _m				113			13

4. H=10-15-37.2, 56.2 S, 122.5 W, h=33 km, M=6.6

BTO	ePKP	10-34-59	135.3					
	e	39-19						
XAN	L _m	35-03	137.6		1.2	1.9		20
	ePKP							
	PP			38-04				
WCH	L _m	35-05	138.6		6.5	6.5		20
	ePKP							
	PP			38-21				
BJI	L _m	35-05	138.6			4.2		19
	ePKP							
	L _m				4.5			18
WMQ	ePKP ₁	35-34	156.9					
	PKP ₂	36-01						
	PP	39-36						
	L _m			8.4	5.5		17	

5. H=19-30-53, 24.3 N, 121.5 E, M=4.5

SSH	+ P	19-32-30.5	6.4					
	e(S)	33-46						
	L _m					1.5		5
NJI	P	32-48	7.6					
	e(S)	34-21						
	L _m				1.3			7
WCH	P	33-01	8.5					
	(S)	34-39						
	L _m				2.5			4
XAN	(P)	34-23	14.6					
	eLg ₁	38-40						
	eLg ₂	38-54						
BTO	eP	35-18.3	19.0					

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	P	36-40	27.2					
WMQ	eP	37-34.1	33.2					

6. H=06-49-52.9, 29.8 N, 51.9 E, h=10 km, M=5.7

WMQ	eP	06-56-18.2	31.4					
	S	07-02-20						
BTO	L _m			12.7				15
	eP	06-58-32.3	47.5					
XAN	L _m			5.9				16
	P	58-35	47.9					
BJI	S	07-05-32						
	eP	06-59-12	52.7					
WCH	eS	07-06-42						
	L _m			3.7				18
WCH	eP	06-59-17	53.5					
	eS	07-06-46						

6. H=09-35-35.8, 42.3 N, 145.1 E, h=35 km, M=5.5

CNH	P	09-38-59	14.4					
	L _m			5.5				16
BJI	eP	40-25	21.7					
	L _m			3.3				17
SSH	eP	40-30	22.2					
	eS	44-27						
NJI	+ P	40-40	23.1					
	L _m			6.7				15
BTO	+ iP	41-08.9	26.1					
	L _m			3.5				16
WCH	+ P	41-20	27.3					
	S	46-00						
XAN	L _m			5.4				18
	eP	41-39	29.4					
KMI	eS	46-33						
	+ P	43-01	39.0					
	L _m			2.4				16

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	P	43-18.8	41.2					
6. H=11-06-30.6, 22.2 S, 179.6W, h=603 km, M _{SH} =5.7								
SSH	+iP	11-17-28	77.8					7
	sP	20-30						
	S	26-33						
	S _{mN}				1.8			
NJI	+ P	17-41	81.2					7
	pP	19-37						
	sP	20-42						
	S	26-59						
WCH	+ P	17-53	82.4					9
	S	27-20						
	S _{mN}				2.7			
CNH	+iP	17-54	83.2					6
	pP	20-05						
	sP	20-57						
	S	27-29						
BJI	+iP	18-11	86.3					7
	pP	20-16						
	sP	21-10						
	eSKS	27-40						
XAN	S	28-01						9
	S _{mN}							
	+iP	18-20	88.2					
	pP	20-29						
	sP	21-24						
SKS	27-52							
S	28-20							
KMI	S _m			5.3	4.7	2.8		4
	+iP	18-25	89.3					
	P _{mZ}						1.7	
SKS	27-59							

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
BTO	+iP	18-31	90.7					7	
	pP	20-34							
	sP	21-34							
	eSKS	28-04							
	eS	28-42							
	S _{mN}			2.8					
CDU	P	18-32	90.8						
	SKS	28-04							
LSA	P	19-16	100.5						
WMQ	P	19-45							
	S _m				0.7				6
<p>7. H=04-59-39.4, 2.4N, 129.1E, h=47 km, M_{PZ}=7.4, M_{SH}=7.0, M=6.7</p>									
SSH	-iP	05-05-41	29.3					8	
	P _{mZ}						21		
	isP	06-06							
	eS	10-31							
	S _{mE}					20			11
	L _{mE}				44		10		
NJI	-iP	05-56	31.0					6	
	P _{mZ}						22		
	eS	11-02							
	S _{mE}					45			10
	L _{mE}					55			12
WCH	-iP	05-58	31.2					7	
	P _{mZ}						33		
	iS	10-58							
	S _{mN}					23			10
	L _{mN}					47			12
XAN	-iP	06-43	36.5					7	
	P _{mZ}						30		
	sP	07-19							
	S	12-23							
	S _{mN}					21			8
	L _m				40	36	17		12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	P	06-45	36.7					
	S	12-29						
BJI	-iP	07-05	39.1					
	P _{mz}						23	7
	sP	07-30						
CNH	S	13-02						
	S _{mN}				23			10
	L _{mE}					28		13
	-iP	07-21	41.1					
	P _{mz}						21.6	8
BTO	S	13-33						
	S _{mE}					19		14
	-iP	07-25.0	41.6					
	P _{mz}						26	6
	PP	08-59						
LSA	S	13-39						
	S _{mE}					18		13
	L _{mE}					61		15
	-iP	08-58	53.4					
WMQ	-iP	09-09.4	55.0					
	P _{mz}						28	7
	pP	09-25						
	sP	09-36						
	S	16-47					50	7
	L _m				71	37		16
<p>8. H=07-45-58, 4.2 S, 102.4 E, h=50 km, M_{PZ}=6.4, M_{SH}=6.7, M=6.5</p>								
KMI	+iP	07-51-58	29.4					
	L _m	08-04-09		55				16
CDU	P	07-52-43	34.9					
	S	58-09						
LSA	+iP	52-54	35.9					
WCH	+iP	52-58	36.4					
	P _{mz}						6	6
	sP	53-18						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	PP	54-27						
	iS	58-33						
	S _m				8	7		8
	L _{mE}					46		16
	+iP	53-17	38.7					
	sP	53-35						
	iS	59-07						
NJI	S _m				13.6	13.5		N10 E6
	ScS	08-02-07						
	L _m				42	27		14
	+iP	07-53-23	39.4					
	P _{mZ}						6.8	8
	sP	53-42						
	S	59-23						
SSH	S _{mN}				7			9
	L _m			18				15
	+iP	53-24	39.5					
	P _{mZ}						5.7	7
	sP	53-44						
	PP	54-57						
	iS	59-22						
BTO	S _m				12	7.7		N10 E9
	L _{mN}				22			16
	+iP	54-11	45.3					
	P _{mZ}						6.1	6
	sP	54-30						
	iPcP	55-49						
	PP	55-51						
BJI	iS	08-00-47						
	S _m				8.6	6.6		N10 E9
	iScS	04-00						
	L _{mN}				80			13
	+iP	07-54-16	45.9					
	P _{mZ}						5.9	6
	sP	54-37						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	iS	08-00-57	49.7	16	31	11		N10 E 7
	S _m							
	ScS	04-03						
	L _{mN}							
	+iP	07-54-45.2						
	S	08-01-49						
	S _m							
	ScS	04-20						
	L _{mN}						15	

9. H=06-08-33.0, 44.4N, 139.1E, h=33 km, M=5.7

CNH	P	06-10-57	9.7					
	L _{mE}					26		13
BJI	- P	12-37	17.3					
	S	16-01						
	S _{mN}				1.8			6.5
	L _{mE}					15.5		14
SSH	eP	12-59	19.0					
	eS	16-37						
	L _{mN}				4.2			12
NJI	- P	13-06	19.6					
	eS	16-50						
	L _m				8.5			14
BTO	- P	13-23	21.3					
	S	17-22						
	L _m			9.6	7.3	6.2		12
WCH	P	13-45	23.5					
	S	18-02						
	L _m			4.5				12
XAN	P	14-00	25.0					
KMI	eP	15-29	35.0					
WMQ	P	15-35.2	35.7					
	L _m			21				14

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
12. H=19-03-25.9, 28.3 N, 55.6 E, h=44 km, M=6.0								
WMQ	P	19-09-32.5	29.9					
	S	14-28						
	L _{mN}				16			11
LSA	+ P	09-42	30.9					
CDU	P	11-14	41.8					
KMI	+ P	11-15	41.9					
XAN	+iP	11-43	45.4					
	S _N	18-21						
	L _m				6.2	6.1		N14 E12
BTO	+ P	11-46	45.8					
	PP	13-33						
	eS	18-27						
	S _m				1.4	1.1		10
	L _m				9.1	5.0		14
BJI	eP	12-21	50.3					
	+ P	12-22						
	PcP	13-41						
	eS	19-33						
	L _{mN}				6.1			13
WCH	+ P	12-23	50.5					
	S	19-36						
	L _{mE}					3.6		13
NJI	+ P	12-48	53.8					
	eS _N	20-20						
	L _m			4.5				16
SSH	- P	13-01	55.6					
	eS	20-45						
	L _m				2.0	4.4		16
CNH	P	13-08	56.6					
	eS	20-59						
	L _{mN}				15.1			16

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
18. H=23-13-55, 41.5N, 80.0E, M=4.1								
WMQ	- P _n	23-15-34.8	6.9					
	\bar{P}	15-58.3						
	S _n	16-53						
	i	17-29						
	i \bar{S}	17-33.3						
	\bar{S}_{mN}					0.53		1.4
	L _m				1.1			5.0
LSA	eP	17-30	14.9					
XAN	e(P)	19-14	24.2					
20. H=14-12-46.8, 21.8S, 69.0W, h=93 km, M=5.7								
WMQ	PKP	14-32-24	152.0					
	PP	36-32						
CNH	PKP	32-28	154.9					
BTO	PKP	32-38	163.7					
	PP	37-00						
	L _m			1.0				20
BJI	ePKP	32-38	163.7					
	L _m			0.9	0.5	0.7		12
SSH	- PKP	32-43	170.5					
NJI	+ PKP	32-43	170.5					
	ePP	37-39						
XAN	PKP	32-45	175.0					
CDU	PKP	32-45	175.0					
WCH	PKP	32-46	180					
	PP	38-20						
	L _m					1.5		12
21. H=06-42-16.3, 53.9N, 161.5W, h=21 km, M=6.1								
BJI	eP	06-51-45	54.1					
	eS	59-27						
	L _m				8.1	5.2		18
BTO	+ P	52-06	57.0					

四月

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
SSH	S	07-00-08						14
	L _{mN}				10.3			
NJI	+ P	06-52-09	57.4					13
	S	07-00-14				2.2		
WCH	L _{mE}							17
	eP	06-52-14	58.2					
XAN	S	07-00-24						15
	L _m					6.0		
WMQ	P	06-52-40	61.9					13
	S	07-01-11						
LSA	L _{mE}					5.1		14
	eP	06-52-42	62.2					
SSH	eS	07-01-15						9
	L _{mN}				4.2			
NJI	P	06-53-03.0	65.4					10
	S	07-01-55						
WCH	L _{mN}							11
	eP	06-54-03	75.3					
XAN	L _m							14
	eP	06-54-03	75.3					
CDU	+ P	06-54-03	75.3					14
	eS	07-01-15						
KMI	+ P	06-54-03	75.3					14
	L _m					1.5		
BJI	eP	06-54-03	75.3					14
	L _m							

23. H = 10-41-16, 22.7 N, 121.1 E, M = 4.3

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	eS	48-56	20.6	1.4		0.7	11	
	L _m							
	+ P	45-59						
LSA	L _m	53-21	28.4				14	
	P	47-14						
WMQ	P	48-14	35.2			0.7	14	
	L _m							

27. H=00-18-05, 37.4N, 113.5E, M=4.1

BJI	- P _n	00-19-02.5	3.6				
	\bar{P}	19-09.5					
	S _n	19-43					
	\bar{S}	19-52					
BTO	\bar{S}_m		4.3		3.2		4
	P _n	19-13					
	\bar{P}	19-25					
XAN	\bar{S}	20-18	5.1			1.4	6
	L _m						
	- P _n	19-24					
	\bar{P}	19-40.5					
	i	20-40					
WCH	\bar{S}	19-44.5	6.7	0.7			10
	L _m						
	e(P _n)	19-53					
NJI	\bar{S}	21-46	6.9				
	e	20-12					
LZH	\bar{S}	21-52	7.5				
	e \bar{S}	22-11					
SSH	Q _{mN}		8.6		1.5		9
	eLg ₂	23-09					
WMQ	eP	22-47	20.5				

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
28. H=15-32-00.5, 23.0N, 101.2E, h=15 km, M=6.7								
KMI	-iP _n	15-32-46	2.6					
	\bar{P}	32-59						
	S _n	33-20						
	\bar{S}	33-35						
	\bar{S}_m				23	33	4	
CDU	P	33-59.4	8.1					
	S	35-36						
GZH	P	34-41.4	11.2					
LSA	+eP	34-42	11.2					
XAN	-eP	35-04.4	12.7					
	+iP	35-05.1						
	S _E	37-24						
	S _N	37-28						
	iLg ₂	39-11						
LZH	-eP	35-10	13.2					
	i _E	37-58						
	Lg ₁	39-00						
	Lg ₂	39-20						
WCH	+P	35-20	14.0					
	P _m	35-27		1.1	3	2.6	6	
	iS	37-54						
	Lg ₁	39-21						
	L _m				78		8	
NJI	+P	36-13	18.0					
	P _m	36-22		0.6	2.8	2.9	7	
	iS _N	39-43						
	iLg ₂	41-50						
BTO	L _m			41	42		8	
	-eP	36-24	19.1					
	P _m	36-31		11	7	13.3	9	
	eS	39-53						
	iLg ₁	42-00						
	iLg ₂	42-14						

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
SSH	Q _{mE}					110		12
	+iP	36-32	19.6					
	P _m	36-35			1.3	4.7	4.4	7
	eS	40-06						
	iS _N	40-16						
	S _m	40-26			10	8		N12 E 9
BJI	iLg ₂	42-42						
	L _m				276	113		13
	- P	36-49.1	21.2					
	P _m	36-58			4.0	4.1	7.1	9
	S	40-41						
	S _m	41-07			23	24	14	12
	Lg ₂	43-40						
WMQ	Rg	45-11						
	R _m				65	53		12
	+ P	37-13.3	23.6					
	S	41-27						
	S _m	41-48			17	19	8	14
CNH	iLg ₂	45-10						
	L _{mN}				111			15
	- P	38-01	28.8					
	S	42-46						
GZH	Q _m	46-46			123	125		18
	29. H=19-56-11.6, 12.6 N, 122.3 E, h=4 km, M=6.1							
GZH	- eP	19-59-26	13.4					
	L _m				41			12
SSH	+ eP	20-00-30	18.4					
	eS	03-55						
	L _m				21			17
WCH	P	00-39	19.1					
	ePP	01-32						
	S	04-19						
	S _m				30			9
NJI	- P	00-45	19.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	eS	04-24						
	S _m			13				11
	L _m			25				12
XAN	-eP	01-02	21.3					
	L _m				19			14
CDU	P	01-34	24.5					
	S	05-54						
	L _m				34	19		12
BJI	-P	01-35	24.7					
	S	05-55						
BTO	-P	02-04	27.7					
	S	06-46						
	L _{mN}				28			15
CNH	eP	02-21	29.6					
	PP	03-13						
	eS	07-18						
WMQ	S _m				5.8			13
	L _m			14				12
	-iP	02-31	30.7					
WMQ	S	07-36						
	S _{mE}					11		12
	L _m				23			18
	P	04-15	43.0					
	PP	05-58						
WMQ	S	10-41						
	S _{mN}					8.8		11
WMQ	L _m			26				14

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
1. H=14-15-36.2, 22.3 S, 171.6 E, h=147 km, M _{PZ} =6.3(BTO,WCH), M _{SH} =6.1								
SSH	+ P	14-26-44	72.0					
	S	35-52						
	S _m	36-00		0.7				4
NJI	+ P	26-58	74.4					
	S	26-21						
WCH	+ P	27-09	76.4					
	P _m						1.6	3
	PP	30-01						
	iS	36-43						
CNH	S _m					2.3		7
	P	27-21	78.5					
	BJI	+ P	27-34	81.0	0.6	0.7	1.8	3
KMI	iS	37-35						
	S _m	37-40				5.9		9
	R _m	56-12			2.5	2.7		23
	+ P	27-43	82.7	0.3	0.7	1.6		5
CDU	iS	37-48						
	S _m	37-52				3.2		8
	+ iP	27-51	84.2					
BTO	iS	38-02						
	+ P	27-56.2	85.4					
	P _m	28-01			0.6	0.6	1.9	5
	ePP	31-09.7						
	iS	38-09						
LSA	S _m	38-17			1.3	2.1	0.7	12
	L _m				1.0	0.1		16
	P	28-41	94.9					
2. H=06-08-27.3, 51.4N, 177.2W, h=43 km, M=7.1								
CNH	P	06-15-46	38.3					
	pP	15-53						
	PP	17-05						
	S	21-41						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	L _m	31-32	45.9		0.9	7.1	2.4	19
	+ P	16-48				1.4		6
	pP	16-55						
	S	23-34						
	S _m	23-48				31		11
SSH	R _m	36-48	139			19		
	+P	17-11	48.8					
NJI	+P	17-16	49.5					
	S	24-24						
BTO	L _m	34-14	49.6			66	13.1	21
	+iP	17-17						
	+isP	17-25						
	ePP	19-14						
	PP _m					7.7		10
WCH	PP _m						E14	
	eS	24-25					10	
	S _m	24-40		28	17		10	
	ScS	27-13						
	R _m			125	260		N19	
XAN	P	17-46	53.4				E20	
	pP	17-55						
	S	25-16						
LZH	L _m		54.5			153	101	21
	P	17-54						
	pP	18-01						
	PP	20-00						
CDU	S	25-32						
	L _m							22
WMQ	+ P	18-05.5	56.2					
	S	25-56			24	5.4		10
WMQ	+iP	18-10	56.7					
	+iP	18-30.5	59.7					
	S	26-42.3						
WMQ	ScS	28-26						
	L _m			162				21

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)	
				A _H	N-S	E-W	U-D		
KMI	+ P	19-03	64.6					10	
	PP	21-35							
	iS	27-46							
	S _m	27-57			17.4				
LSA	iP	19-26	68.2						
3. H=00-33-23.5, 30.9 N, 84.5 E, h=20 km, M=5.4,									
LSA	- iP _n	00-34-55	5.9					9	
	S _n	36-07							
KSH	eP	36-02	11.0						
	S	38-06							
WMQ	- P	36-34.2	13.1						
	S	39-04							
	L _m			5					
CDU	P	37-17	16.8						
KMI	eP	37-21	17.2						
	eS	40-38							
	S _m	40-49				5.2			7
	L _m	43-32			11				14
XAN	- P	38-06.8	21.0						
	iS	42-00							
BTO	eP	38-27	22.8						
	P _m				0.3	0.7	0.8		6
	eS	42-34							
	S _m				0.8	2.5	1.9		8
WCH	- P	38-53.8	25.7						
	S	43-23							
	L _m	48-22		4.1					11
BJI	eP	39-11	27.3						
	eS	43-52							
	R _m	50-18			2.9				10
SSH	eP	39-47	31.4						
	eS	44-57							
	L _m	53-15		2.5					10

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	

3. H=10-49-26.9, 11.1 S, 161.6 E, h=45 km, M=5.8

LSA	eP	10-56-21	35.3					
SSH	eP	59-22	58.4					
NJI	eP	59-32	59.8					
WCH	eP	11-00-06	65.0					
	eS	08-08						
	L _m			3.5				16
CNH	eP	00-13	66.2					
	L _m	27-05		5				16
BJI	eP	00-18	66.8					
	eS	09-05						
	R _m	27-54		3.1				17
CDU	eP	00-35	69.6					
	eS	09-37						
BTO	eP	00-36	69.8					
	L _m				2.6			16
WMQ	P	02-07.6	86.6					
	Q _m			5.3				17

4. H=02-04-32.6, 6.6 S, 105.4 E, h=69 km, M=6.5

KMI	+ P	02-10-52	32.0					
	PP	12-07						
	S	16-05						
	L _m	25-17		96				15
WCH	+ eP	11-46	38.4					
	PP	13-23						
	iS	17-41						
	L _m	30-13		22				16
LSA	+ iP	11-50	38.8					
	iS	17-43						
XAN	+ P	12-06						
	S	18-11						
SSH	+ P	12-06	40.8					
	eS	18-18						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	L _m	31-15	41.0	20				15
	+ P	12-07						
	eS	18-16						
LZH	L _m		42.9	22				14
	P	12-23						
	BTO	+ eP		12-59				
BJI	ePP	14-42	47.8		43	16		15
	iS	19-30						
	L _m							
WMQ	+ eP	13-02	52.9					5
	P _m	13-08			2	0.5	3.2	
	eS	19-55						
CNH	R _m	37-00	53.6		24			14
	P	13-41						
	eS	21-07						
CNH	L _m		53.6	16				14
	+ iP	13-46						
	S	21-13						
	L _m	39-28		17				18

5. H=21-47-36, 45.8 N, 117.3 E, h=15 km, M=4.2

CNH	i(\bar{P})	21-49-08	5.0					
	\bar{S}	50-20						
	\bar{S}_m	50-29		1.2				1
BJI	e(P_n)	49-05	5.8					
	e \bar{P}	49-23						
	eS _n	50-14						
BTO	\bar{S}	50-37						
	i	50-42						
	\bar{S}_m			17				0.5
	e \bar{P}	49-49	7.3					
	\bar{S}	51-35						
	\bar{S}_m			0.1				0.7

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
7. H=00-21-13.9, 2.6 S, 119.6 E, h=35 km, M=6.1								
KMI	eP	00-27-44	32.6					
	PP	28-58						
	L _m	46-04		18				17
WCH	eP	27-53	33.6					
	eS	33-04						
	L _m			56				22
SSH	eP	27-55	33.8					
	eS	33-12						
	L _m	41-16		16				18
NJI	-eP	28-03	34.8					
	eS	33-25						
	L _m	36-45		7				9
CDU	+ P	28-18	36.5					
XAN	+ P	28-30	37.9					
	eS	34-13						
	L _m			39				6
BJI	eP	29-08	42.5					
	eS	35-23						
	R _m	48-24		14				20
BTO	+P	29-19.5	44.0					
	P _m			0.9	0.8	0.3	0.9	7
	PP	31-04						
	PP _m				1.8	0.3	1.9	6
	S	35-42						
	S _m	36-17			2.2	1.7		12
	Q _m	42-50		37				28
	R _m	48-10			17.1	3.7	17	20
LSA	+ P	29-30	45.2					
CNH	eP	29-38	46.2					
	eS	36-19						
	L _m	01-17-17		31				26
WMQ	P	00-30-41	54.5					
	S	38-07						
	L _m			8.4				16

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
7. H=20-02-55, 41 N, 108 E, h=20 km, M=4.0								
BTO	- P _n	20-03-26.8	1.7					
	+ \bar{P}	03-28.1						
	S _n	03-49.5						
	\bar{S}	03-51.7						
	\bar{S}_m				3.8	1.5	1.4	0.6
BJI	e(P _n)	04-44	6.1					
	eP*	04-52						
	\bar{P}	04-58						
	\bar{S}	06-17						
	\bar{S}_m			0.3				0.5
XAN	+ eP _n	04-43	6.4					
	eP*	04-57						
	e \bar{P}	05-09						
	i	05-12.3						
	S _n	05-58						
	e \bar{S}	06-37						
	\bar{S}_m	06-54			14.5			1.0
	\bar{S}_m	06-57				9.0		0.8
8. H=00-49-45.6, 42.2 S, 71.7 W, h=151 km, M _{ppz} =6.0								
LSA	ePKP ₁	01-09-30	164.5					
SSH	ePKP ₁	09-32	167.0					
	pPKP ₁	10-13						
	PKP ₂	10-29						
	PP	14-15						
	sPP	14-52						
	SKKS	20-46						
WCH	PKP ₁	09-34	170.8					
	PKP ₂	10-33						
	pPKP ₂	11-15						
	PP	14-25					1	6
	SKKS	21-00						
	ScSPKP	25-05						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)	
				A _H	N-S	E-W	U-D		
NJI	PKP ₁	09-34	170.8						
	pPKP ₁	10-14							
	PKP ₂	10-38							
	pPKP	11-17							
	PP	14-24					2.9	7	
WMQ	SKKS	20-54	168.5						
	PKP ₁	09-33							
	PKP ₂	10-30							
	PP	14-20					1.1	6	
XAN	SKKS	20-52	172.0						
	SKKSP	21-43							
	PKP ₁	09-35							
	pPKP ₁	10-16							
BJI	PP	14-50	173.0						
	sPP	15-28							
	eSKKS	21-15							
	PKP ₁	09-37							
	pPKP ₁	10-18							
	sPKP ₁	10-37							
	PKP ₂	11-08							
	PP	14-59					2.1	6.5	
pPP	15-39								
CDU	sPP	15-54	1.8						
	SKKS	21-29						23	
BTO	L _m		175.0						
	PKP ₁	09-36							
	+ PKP ₁	09-38		177.2					
	pPKP ₁	10-19							
	PKP ₂	11-27.5							
	pPKP ₂	12-05							
	PP	15-19						2.5	7
	sPP	16-13							
PcPPKP	18-22								
SKKS	21-50								
	ScSPKP	25-05							

台名	震相	G.M.T.		Δ (度)	A(μ)				T (秒)
		h-m-s			A _H	N-S	E-W	U-D	
	SKSSKS	36-11							
9. H=08-25-01.7, 39.8 S, 104.8W, h=33 km, M=6.3									
SSH	ePKP ₁	08-44-28		137.5					
	ePP	47-21							
	L _m				3.0				20
NJI	PKP	44-32		139.7					
	ePP	47-34							
	L _m						2.8		19
WCH	PKP	44-39		143.8				7.3	(5)
BTO	ePKP	44-40		144.4					
	SKKS	55-32							
	SS	09-08-34							
	R _m	37-14					17		35
BJI	ePKP	08-44-40		144.4					
	PP	47-41							
	L _m				0.7				26
XAN	ePKP	44-44		146.7				1.9	4
KMI	ePKP	44-48		149.1					
CDU	PKP	44-52		151.7					
LSA	PKP	45-02		159.3					
WMQ	PKP	45-05		159.5					
	L _m				4				19
9. H=19-26-34.6, 35.6 N, 71.1 E, h=85 km, M=5.2									
WMQ	-iP	19-30-02.3		14.7					
	L _m				5.6				5
KMI	-P	32-28		29.0					
	L _m	43-16			2.3				14
BTO	-iP	32-46		31.1					
	eS	37-47							
	S _m				0.3				10
	L _m	47-22			1.3				14
XAN	P	32-46		31.1					
BJI	-P	33-27		35.8					
	L _m	47-36			2.1				16

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
10. H=11-53-53, 8.0 N, 126.8 E, h=33 km, M=5.6								
SSH	- P	11-59-02	23.3					
	S	12-03-18						
	S _m			17				8
NJI	- P	11-59-15	24.5					
	eS	12-03-35						
	S _m	03-51		11				7
WCH	L _m	09-55		10				14
	P	11-59-16	24.6					
	L _m				10			16
KMI	P	59-48	28.0					
	L _m	12-14-46		6.8				14
XAN	P	00-04	29.8					
CDU	eP	00-08	30.3					
BJI	- P	00-29	32.7					
	S	05-48						
	S _m	05-53				3.6		6.5
	L _m	16-48			2.3	4.0		13
BTO	- eP	00-49	35.0					
	P _m				0.4	0.2	0.7	8
	S	06-26						
	S _m				1.6	2.3		8
LSA	L _m	17-59				3.5		12
	eP	01-26	39.4					
WMQ	P	02-40.6	48.7					
	L _m			5.8				16
10. H=14-51-46.8, 42.8 N, 71.4 E, h=33 km, M=5.6								
WMQ	P	14-54-36.6	11.6					
	S	56-49						
	L _m			23				8
BTO	+ P	57-44	28.3				0.6	5
	eS	15-02-30						
	S _m				0.3	0.7		10



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	Lg ₂	07-02						
	L _m	13-16			3.9			11
CDU	P	14-57-44	28.3					
XAN	P	57-59	29.9					
KMI	+ P	58-07	30.8					
	S	15-03-13						
	L _m	10-04		3				14
BJI	eP	14-58-25	32.9					
	L _m	15-11-18		4				12
WCH	P	14-58-49	35.7					
	S	15-04-30						
	ScS	09-01						
	L _m				6.0	6.8		13
NJI	eP	14-59-09	38.1					
	eS	15-05-08						
	L _m			5.3				13
SSH	P	14-59-29	40.5					
	S	15-05-42						
	L _m			2.8				13

11. H=00-09-33.4, 22.4N, 121.1E, h=30 km, M=5.3

SSH	eP	00-11-39	8.7					
	eS	13-17						
	L _m			9				6
NJI	eP	11-53	9.9					
	L _m			9.4				6.5
WCH	- P	11-58	10.1					
	L _m				7.1			4
XAN	- P	13-15	15.8					
	eS	16-10						
	L _m					4		5.5
KMI	- P	13-31	17.0					
	L _m	21-25			4			12
CDU	- iP	13-34	17.4					
BJI	P	13-46	18.1					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)	
				A _H	N-S	E-W	U-D		
BTO	S	17-11	20.5					6.5	
	R _m	20-24			1.1	2.7			
	-iP	14-11.7							
	iS	18-00							
	S _m				1	1.4	0.7		8
	R _m	22-52			3.1	4.4			14
LSA	R _{mz}	22-55				4.9	14		
	P	15-23	27.9						
WMQ	P	16-24.5	34.9						
	eS	21-53							
	L _m			1.0			12		

12. H=06-25-13, 37.6N, 29.8E, h=23 km, M=6.3

WMQ	P	06-33-17	43.8						
	PP	35-09							
	S	39-39							
	L _m				29			15	
LSA	P	34-14	51.1						
BTO	-eP	35-21	60.3						
	P _m				0.4	0.7	1.7	7	
	iPP	37-43							
	ePPP	39-05							
	eS	43-31							
	PS	44-07							
	L _m	07-03-50				19		20	
	L _m	07-03				8		13	
	CDU	eP	06-35-24	60.8					
	XAN	eP	35-35	62.4					
eS		43-51							
KMI	eP	35-35	62.4						
	L _m	07-05-19		7.5				18	
BJI	eP	06-35-49	64.6						
	eS	44-18							
	L _m	07-09-42				12		16	
WCH	P	36-13	68.3						



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	S	45-04						
	L _m					6.5		14
	P	36-17	69.0					
NJI	S	45-15						
	L _m							12
	- P	36-29	71.0					
SSH	eS	45-32						
	L _m					6.5		16
	eP	36-41	73.0					
	eS	45-59						
	L _m				8.1			18

12. H = 12-57-24.8, 37.6 N, 29.6 E, h = 33 km, M = 5.4

WMQ	P	13-05-28.3	43.7					
	L _m			4.3				14
LSA	P	06-24	50.8					
BTO	- eP	07-32	60.1					
	P _m				0.1	0.3	0.6	3.5
	PP	09-47						
	S	15-48						
	S _m				0.9			10
	SS	22-28						
	L _m				1.3			18
KMI	+ P	07-45	62.2					
XAN	eP	07-47	62.4					
BJI	eP	08-01	64.6					
	eS	16-44						
WCH	R _m	42-30			1.6	2.4		N 14 E 17
	eP	08-23	68.0					
	S	17-27						
	L _m				0.9			13
CNH	eP	08-25	68.2					
SSH	eP	08-51	72.6					
	eS	18-16						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
13. H=08-58-07.9, 22.3 N, 121.1 E, h=69 km, M=4.8(WCH)								
WCH	eP	09-00-29	9.8					
	eS	02-20						
	Lg ₂	03-28						
	L _m			5.5				1.5
BJI	eP	02-17	18.4					
BTO	eP	02-41	20.6					
14. H=07-56-36.7, 6.5 S, 107.1 E, h=10 km, M=5.4								
KMI	eP	08-03-07	32.0					
	L _m	17-16			5.1			12
WCH	P	03-57	37.8					
	eS	09-50						
	L _m			1.5				12
NJI	eP	04-16	40.1					
SSH	eP	04-16	40.1					
	eS	10-27						
	L _m	23-55			1.3			12
XAN	P	04-18	40.4					
	eS	10-33						
BTO	eP	05-11	46.9					
	ePP	07-10						
	S	12-07						
BJI	R _m	24-47				3.3		14
	eP	05-14	47.3					
	eS	12-09						
WMO	R _m	29-35				1.3		12
	P	05-54.7	52.6					
15. H=07-43-15.7, 40.6 N, 143.8 E, h=23 km, M=5								
CNH	P	07-46-37	14.7					
	L _m	53-45			3.2			14
SSH	eP	47-54	21.0					
	L _m				1.0			12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eP	47-57	21.3					
	R _m	58-48		1.6	1.1	1.2		13
BTO	eP	48-45.2	26.2					
WCH	P	48-47	26.4					
WMQ	L _m			1.8				13
	P	50-58.4	41.7					

17. H=11-04-07.1, 1.6S, 77.7W, h=176 km, M_{PPZ}=6.2

CNH	PKP	11-23-04	133.4					
	pPKP	23-50						
WMQ	ePKP	23-03	132.8					
	PP	26-27						
BJI	ePKP	23-13	135.2					
	ePP	26-39						
	SKKS	32-46						
BTO	L _m			9.2				29
	ePKP	23-11	135.1					
	pPKP	24-00						
	ePP	26-37						
	iSKP	26-43						
	iSKKS	32-59						
	SS	45-43						
NJI	L _m	12-21-30			7.2	2.0		22
	PKP	11-23-26	145.6					
	pPKP	24-12						
SSH	ePP	26-54					2	8
	SKP	27-35						
	PKP	23-26	145.6					
	pPKP	24-11						
	sPKP	24-27						
	PP	26-54					1.2	9
XAN	SKP	27-35						
	SKKS	32-56						
	PKP	23-28	146.8					
	pPKP	24-15						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	PP	26-56	146.8				5.4	6
	PKP	23-28						
	pPKP	24-20						
	ePP	27-07						
LSA	SKKS	33-46	151.4					
	ePKP	23-35						
18. H=22-44-43.8, 63.9N, 146.1E, h=33 km, M=7.4(BJI)								
CNH	iP	22-49-51	23.7				12	5
	S	54-01						
BJI	eP	50-48	30.0					
	S	55-42						
BTO	L _m			117				5
	- P	51-04	31.6					
	PP	51-58						
	PP _m	52-05			2	1.1	1.6	6
NJI	iS	56-04						
	+ P	51-43	36.1					
	S	57-20						
SSH	L _m	48-08		89				12
	+ P	51-46	36.6					
	S	57-26						
XAN	L _m				43	64		16
	- P	51-58	37.8					
	ePP	53-24						
LZH	iS	57-46		12				7
	- iP	52-00					13.4	7
	PP	53-30						
WCH	S	57-48						
	P	52-06	38.8					
	PP	53-36						
CDU	S	58-01						
	P	52-38	42.6					
	S	58-58						
KSH	iP	53-13	47.1					



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	- P	53-21	48.1					
	PP	55-16						
	iS	23-00-17						
	ScS	03-10						
	L _m	11-24		346				17
LSA	iP	53-26	48.8					

21. H = 18-56-43.7, 52.5N, 173.2W, h = 36 km, M = 5.6

BJI	eP	19-05-26	48.6					
	eS	12-33						
	R _m	27-42		1.5	2.0			15
SSH	- P	05-46	51.2					
BTO	eP	05-48	51.4					
	P _m			0.1	0.2		0.5	
	PP	07-52						
	eS	13-04						
	L _m	25-04		0.4	2.5			19
NJI	eP	05-52	52.0					
WCH	eP	06-19	55.6					
	L _m			5.6				16
XAN	eP	06-25	56.4					
WMQ	P	06-58.6	61.4					
	PP	09-23						
	eS	15-22						
	L _m			3.6				16
CDU	eP	07-01	61.7					
LSA	P	08-10	72.6					

22. H = 16-43-58.7, 38.8N, 40.5E, h = 3 km, M = 7.0

KSH	iP	16-49-49	27.5					
WMQ	+ iP	50-57	35.2					
	S	56-30						
LSA	iP	51-55	42.2					
LZH	+ iP	52-52	49.4				4.4	7
	iS	17-00-00						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	P	53-10	51.7					
BTO	eP	53-11.9	52.0					
	PP	55-17						
	S	17-00-40			2.6	5.9	2.2	4
	SS	04-04						
	L _m	16-36		38				15
KMI	+iP	16-53-23	53.5		0.9	1.5	2.9	5
	P _m	53-25					3.6	5
	S	17-00-52						
	L _m	18-44				65		18
BJI	+P	16-53-45	56.4					
	S	17-01-39						
	R _m	19-00			83			15
WCH	P	16-54-05	59.3					
	eS	17-02-18						
	L _m				70			15
CNH	iP	16-54-16	60.8					
	S	17-02-37						
	L _m	19-23				142		18
NJI	+P	16-54-24	62.1					
	eS	17-02-51						
	L _m					42		15
SSH	+P	16-54-38	64.2					
	PP	56-48						
	S	17-03-17						
	L _m	24-40			59	53		18

22. H=20-03-30.6, 32.5N, 92.3E, h=20 km, M=6.5

LSA	-iP _n	20-04-20.2	3.1					
CDU	-iP	05-59	10.2					
LZH	+P	05-59	10.2					
	iS	08-00						
	iLg ₂	08-56						
	L _m				124			6
KMI	+iP	06-18	11.8		0.7	1.0	1.1	4



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	PP	06-27						
	S	08-29						
	L _m	10-48			280			16
	+iP	06-19.9	11.9					
XAN	S	08-34		82				9
	+P	06-49.4	14.0					
	S	09-26						
KSH	L _m			86				6.5
	P	07-00	14.9					
BTO	+P	07-21.4	16.4					
	P _m				0.8	2.7	2.6	7
	Lg ₂	12-10						
	iRg	12-54						
WCH	L _m					100		10
	+iP	07-52	18.9					
	S	11-25		33				7
BJI	+P	08-13	20.6					
	S	12-06						
NJI	L _m				94			10
	+P	08-28.2	22.4					
SSH	L _m			67				12
	+P	08-51	24.6					
	PP	09-31						
	S	13-15						
	L _m			77				13

25. H=05-43-27.0, 39.0 N, 29.7 E, h=24 km, M=5.9

WMQ	- P	05-51-26.4	43.1					
	PP	53-08						
	S	57-53						
	L _m			8.4				14
LSA	iP	52-26	50.8					
LZH	- iP	53-14.2	57.3					
	S	06-01-14						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	- eP	05-53-30.4	59.5	5	0.4	1.2	2.0	4.5
	P _m							
	iPP	55-43						
	eS	06-01-34						
	S _m	01-51						
CDU	L _m	19-04					8	
	iP	05-53-34	60.1				20	
KMI	- P	53-46	62.0		0.5	0.7	1.6	4
	P _m	53-48						
	PP	55-51						
	iS	06-02-13						
	S _m	02-18						
XAN	- P	05-53-46	62.0					
	S	06-02-09						
	L _m							
BJI	- P	05-54-00	64.2		0.2	0.4	1.0	3
	S	06-02-39						
	R _m	24-24						
CNH	- iP	05-54-16	66.6					
	S	06-03-08						
	L _m							
WCH	- P	05-54-24	67.8					
	S	06-03-23						
	L _m							
NJI	- P	05-54-37	70.0					
	S	06-03-48						
	L _m							
SSH	- iP	05-54-51	72.3	2.2				16
	S	06-04-14						
	L _m							
25. H = 13-00-19.9, 31.3 N, 131.5 E, h = 52 km, M = 6								
SSH	+ P	13-02-27	8.8					
	S	04-24						
	L _m							
						45	14	



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	+ P	02-55	10.8					
	eS	05-14						
CNH	L _m			52				14
	P	03-32	13.5					
WCH	L _m					30		14
	+ P	03-47	14.7					
BJI	S	06-46						
	L _m					45		13
	+ P	03-52	15.1		1.2	2.1	1.9	5
	sP	04-06						
XAN	eS	06-55						
	R _m	10-48				54	82	14
	+ P	04-40	18.9					
BTO	S	08-28						
	L _m				19	32		16
	+ P	04-46.4	19.5		0.6	1.8	2.3	14
	P _m				2.9	4.1	3.1	8
CDU	ePP	05-12						
	eS	08-34						
	S _m				0.9	3.4	2.8	8
	R _m	14-34			27	43		13
	R _{mz}	14-38					57	13
KMI	+ iP	05-26	23.4					
	S	09-45						
LSA	+ iP	05-49	25.7			0.5	0.5	6
	iP	05-51			0.6	1.2	1.8	6
	L _m	17-25				13		15
WMQ	P	07-06.5	34.4					
	+ iP	07-20.2	36.0					
	eS	13-16						
	L _m					25		17

26. H=02-41-46, 35.5N, 58.2E, h=26 km, M=5.7

WMQ	- eP	02-47-01.1	24.3					
	L _m			13				13

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	+ P	17-35	19.2					
	L _m			44				14
BTO	+ iP	17-41.6	19.8					
	P _m				2.8	4.7	5.8	7
	R _m	26-29			46	67		14
LZH	+ iP	18-20	23.6					
	S	22-30						
	R _m					27		16
CDU	+ iP	18-21	23.7					
KMI	+ P	18-44	26.0					
	L _m	30-21				22		14
LSA	P	20-45	40.0					
WMQ	P	20-15.7	36.5					
	PP	21-43						
	S	25-56						
	L _m					34		17

29. H=08-52-43.6, 31.3 N, 131.4 E, h=48 km, M=5.9

SSH	+ P	08-54-50	8.6					
	L _m					35		14
NJI	+ P	55-19	10.7					
	L _m					35		13
CNH	+ iP	55-55	13.4					
	L _m				12			8
WCH	P	56-09	14.5					
	L _m					42		14
BJI	+ P	56-16	15.0		1.1	1.8	1.7	5
	R _m	09-03-00				47		14
XAN	+ P	08-57-05	18.9					
	L _m			35	16	30		16
BTO	+ iP	57-10.8	19.4					
	P _m	57-20			1.5	3.0	3.3	7
	R _m	09-05-55			25	31		14
	R _{mz}	05-59					53	14
CDU	+ iP	08-57-50	23.3					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	+ P	58-13	25.5					
	L _m	09-09-50				13		13
LSA	- P	08-59-31.5	34.4					
WMQ	+ P	59-45	35.9					
	L _m					23		18

30. H=11-55-59.9, 25.3N, 96.4E, h=33 km, M=5.4

KMI	eP _n	11-57-25	5.5					
	\bar{P}	57-46						
	\bar{S}	59-07						
	L _m	59-40				33		10
LSA	iP _n	57-34	6.2					
CDU	eP _n	58-37	6.4					
XAN	eP	59-15	13.5					
	eS	12-02-11						
	L _m			18				10
WCH	eP	11-59-53	16.4					
	L _m			7				10
BTO	eP	12-00-19	18.5					
WMQ	P	00-29.7	19.4					
	S	04-10						
	L _m			3.1				11
BJI	eP	00-57	21.9					
	R _m	08-18			2.1	2.8		8
SSH	- P	00-59	22.2					
	L _m			5				10
KSH	eP	01-00	22.3					
	S	05-02						
	L _m			6.3				14

30. H=15-44-15.7, 25.2N, 96.4E, h=15 km, M=6.4

KMI	- iP _n	15-45-44	5.7		0.3	6.1	4.3	4
	P _m	45-49				7.2		6
	+ \bar{P}	46-05						
	\bar{S}	47-24						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	P _n	45-53	6.4					
CDU	P	46-23	8.5					
	S	48-04						
LZH	eP	47-14	12.1					
XAN	eP	47-31	13.5					
	L _m			115				7
WCH	P	48-08	16.3					
	S	51-14						
	L _m			87				11
BTO	eP	48-38	18.7					
WMQ	+ P	48-49	19.7					
	eS	52-30						
	L _m			59				11
NJI	- P	48-59	20.6					
	eS	52-51						
	L _m			72				11
BJI	eP	49-13	21.9					
	S _m	53-28			24	22		N14
	R _m	57-24			58			E10
KSH	- iP	49-16	22.3					12
	iS	53-20						
	L _m			50				13
SSH	- P	49-18	22.5					
	S	53-25						
	L _m			65				11
CNH	eP	50-25	29.5					
	eS	55-21						
	L _m			32				9
31. H=03-46-52.2, 72.2N, 1.2E, h=33 km, M=5.8								
WMQ	P	03-55-29.6	47.4					
	PP	57-23						
	S	04-02-33						
	L _m			39				12
BTO	eP	03-56-37	56.3					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
	P _m				0.4	0.3	1.1	4.5
	PP	04-00-01						
	PP _m				0.6		0.7	8
	L _m	18-59				6.3		20
BJI	- P	03-56-52	58.4					
	R _m	04-21-00				3.6		16
LSA	P	03-57-11	61.2					
XAN	P	57-16	61.9					
NJI	- P	57-46	66.5					
WCH	P	57-49	67.0					
	L _m			2.5				15
SSH	- P	57-55	67.9					
	L _m			4				19
KMI	- P	58-00	68.7					
	eS	04-07-06						

31. H=05-13-59.7, 25.2N, 96.5E, h=33 km, M=6.3

KMI	- iP _n	05-15-25	5.5		0.2	2.2	1.9	4
	P _m	15-30				2.9		6
	+ \bar{P}	15-44						
	\bar{S}	16-44						
LSA	+ iP _n	15-34	6.1					
CDU	P	16-04	8.3					
LZH	P	16-55	12.0					
XAN	eP	17-10	13.1					
	L _m			91				8
WCH	- P	17-49	16.1					
	S	20-55						
	L _m			71				10
BTO	eP	18-18.5	18.5					
	P _m	18-26			2.6	2.2	3.6	7
	S	21-43						
	Lg ₂	24-12						
	Q _m	24-48				120		11
WMQ	+ P	18-30.4	19.4					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
	S	22-11						
BJI	L _m			40				11
	- eP	18-54	21.6					
	P _m	18-56			0.4	0.5	0.8	5
NJI	R _m	26-18			28	31		9
	- P	18-40	20.3					
SSH	L _m			43				10
	- P	18-58	22.0					
KSH	L _m			53				10
	- iP	18-59	22.1					
	iS	23-01						
	L _m			55				15

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
1. H=00-26-13.6, 18.0N, 120.3E, h=59 km, M=4.7								
NJI	- P	00-29-29	13.9					
	e	33-07						
KMI	- P	30-18	17.7					
	e	33-47						
	L _m	37-57		2.6				14
XAN	P	30-31	18.8					
	eS	34-04						
	L _{mN}				1.7			15
CDU	P	30-36	19.3					
	e	34-20						
BJI	eP	31-07	22.3					
BTO	eP	31-26	24.2					
	eS _E	35-42						
	S _{NZ}	35-46						
	S _m	35-59			0.6	0.3	0.7	13
	L _m	41-05		0.6				14
	R _{mz}	41-10					0.4	15
1. H=19-23-34, 19.7N, 121.0E, M=4.5								
XAN	eP	19-27-46	17.9					
	L _{mN}				1.4			12
KMI	- P	27-51	18.3					
	e	31-59						
	L _{mN}	36-14			1.2			14
CDU	eP _E	27-58	18.9					
BJI	eP	28-18	20.7					
	eS	32-05						
	L _{mN}				0.6			13
BTO	eP	28-41	23.0					
	eS	32-48						
	S _{mN}	33-07			0.3			12
	L _{mE}	36-53				0.8		17
	R _m	39-04		1.1	0.9	0.6		13
	R _{mz}	39-07					1.0	13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
4. H=14-10-46, 32.3 N, 94.9 E, M=4.3								
LSA	- P _n	14-11-54	4.3					
	\bar{p}	12-08						
	\bar{S}	12-59						
XAN	eP	13-32	11.3					
	L _{mN}				1.0			10
WMQ	eP	13-52	12.8					
	eLg _{2E}	17-46						
	eLg _{2N}	17-51						
BTO	eP	14-18	14.8					
WCH	eP	14-43	16.7					
	L _{mN}				1.3			10
BJI	eP	15-06	18.6					
	L _{mN}				0.4			12

4. H=15-14-10.6, 28.8 N, 128.6 E, h=134 km, M_{PZ}=5.2(BJI, XAN)

SSH	+ P	15-15-53	7.1					
	pP	16-17						
	S	17-13						
	Q _{mE}					5.3		8
NJI	eP	16-22	9.3					
	eS	18-03						
	L _{mE}					2.8		6
WCH	P	17-09	12.9					
	eS	19-32						
	L _m				3.6			4
BJI	+ P	17-42	15.5				1.7	4
	S	20-32						
CNH	+iP	17-43	15.6					
	pP	18-11						
	S	20-35						
XAN	+iP	18-10	17.8				2.2	4
	pP	18-37						
	S	21-26						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	+ P	18-27.6	19.5					
	pP	18-55						
	eS	21-46						
CDU	P	18-47	21.4					
LSA	eP	20-32	32.9					
	pP	21-05						
WMQ	P	20-58	36.0					
	sP	21-33						

5. H=01-38-10.9, 9.4N, 92.5E, h=33 km, M=4.7

KMI	+ P	01-42-29	18.8	0.7	0.5	1.0	4
	eS	45-54					
	L _{mN}	51-03					
LSA	P	42-47	20.4				
CDU	+ iP	43-21	28.6				
	S	47-30					
XAN	+ P	44-06	28.6				
	S	48-51					
WCH	P	44-13	29.3				
	eS	49-00					
	L _{mN}			0.9	12		
SSH	eP	44-57	34.4				
	eS	50-24					
WMQ	P	45-00	34.8				
	S	50-25					
	L _m			0.7	8		
	+ iP	45-00					
BTO	i	45-10	34.8				
	iS	50-23					
	iScP	51-16					
	i	51-36					
	L _m	02-00-43		1.3	0.8	0.5	16
BJI	+ P	01-45-21	37.3				
	pP	45-31					
	eS	51-05					



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	R _{mE}					0.3		21
	+iP	46-22	44.6					
	pP	46-33						

5. H=09-20-54, 6.1 N, 126.2 E, h=67 km, M=5.3

SSH	eP	09-26-18	25.4					
	eS	30-41						
NJI	+P	26-31	27.0					
	L _{mE}					1.7		10
XAN	eP	27-16	32.0					
	i	27-21						
	S	32-26						
CDU	L _m			2.5				7
	eP	27-16	32.0					
	eS _N	32-20						
BJI	+eP	27-42	35.1					
	eS	33-12						
BTO	L _{mE}					1.3		16
	eP	28-02.7	37.6					
	eS	33-37						
CNH	R _m	44-16			4.9	1.2		20
	R _{mz}	44-20					4.2	20
	P	28-05	37.8					
LSA	e	34-10						
	P	28-30	40.8					
WMQ	P	29-47.5	50.8					
	S	36-53						
	L _{mE}					0.6		11

5. H=10-17-44, 37.4 N, 113.6 E, h=10 km, M=4.3

BJI	- P _n	10-18-43	3.3					
	\bar{P}	18-50						
	S _n	19-23						
	\bar{S}	19-33						
	\bar{S}_m						0.9	0.5

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	L _m			5.5				3.5
	eP _n	18-53	4.0					
	e \bar{P}	19-02						
XAN	e \bar{S}	19-55						
	L _m				4.3	4.4	6.8	15
	+ iP _n	19-06	5.1					
	\bar{P}	19-23						
WCH	S _n	20-06						
	\bar{S}	20-29						
	L _{mE}					2.3		9
LSA	\bar{S}	21-26	6.7					
	L _{mE}					3.4		10
WMQ	eP	22-26	20.5					
	eP	22-31	21.0					

5. H=10-21-22.9, 37.5N, 113.4E, h=10 km, M=4.7

BJI	P _n	10-22-16.5	3.4					
	\bar{P}	22-24						
	S _n	22-57						
	\bar{S}	23-06						
BTO	L _{mN}				15.7			4.5
	(P _n)	22-26.5	4.1					
	\bar{P}	22-36						
	\bar{S}	23-29.5						
	\bar{S}_m				1.4	0.6	1.3	N1.0 EZ1.3
XAN	+ \bar{P}	22-37						
	i \bar{S}	23-32						
	L _m				13.2	11.0	14.7	13
	P _n	22-39	5.1					
	\bar{P}	22-59						
WCH	S _n	23-39						
	\bar{S}	24-01						
	L _m			15.3				9
	eP _n	23-08	7.0					
	e(\bar{P})	23-29						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	i \bar{S}	25-00						
	L _{mE}					7.2		10
	e(P)	33-41	10.5					
	L _{mE}					2.4		8
LSA	P	25-59	20.0					
WMQ	P	26-03.5	20.4					
6. H=01-32-32.3, 40.8N, 133.3E, h=451 km, M _{SH} =5(BTO)								
CNH	iP	01-34-18.5	7.0					
	S	35-44						
	S _{mE}					2.6		3
BJI	eP	35-26	13.4					
	eS	37-42						
	S _m					1.3		6
BTO	P	36-12.7	18.0					
	eS	39-08						
	S _m				0.3	0.9		10
WMQ	P	38-35	33.9					
10. H=19-27-32, 37.9N, 106.2E, M=4.1								
BTO	+ P _n	19-28-37.4	4.1					
	i	28-40.2						
	+i \bar{P}	28-49.0						
	iS _n	29-24.2						
	i \bar{S}	29-38.7						
	S _m					2.1	2.5	1.3
	L _{mE}					2.4		7
XAN	P _n	28-44	4.6					
	\bar{P}	28-56						
	S	29-51						
	L _{mN}					2.5		9
CDU	eP	29-54	9.6					
	e _N	31-28						
BJI	eP	29-57	9.8					
	Lg ₂	31-47						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	L _{mN}				1.5			11
	eP	29-58	9.9					
	Lg ₂	32-58						
LSA	L _{mN}				1.2			9
	eP	31-07	15.0					
WMQ	eP	31-10	15.2					
	eLg ₂	35-47						
	Lg _{mE}					0.2		1.8
	L _{mN}				1.0			10
10. H=19-59-52.5, 41.1 N, 138.4 E, h=226 km, M _{SH} =6.0(BJI, BTO)								
CNH	- iP	20-02-15	10.2					
	i	04-10						
BJI	- P	03-36	16.7					
	S	06-39						
SSH	S _{mN}				4.8			6
	- P	03-38	16.9					
NJI	S	06-40						
	- P	03-48	17.9					
BTO	eS	06-57						
	L _{mE}					3		12
	- iP	04-22.7	21.4		0.6	2.9	3.2	4
	ipP	05-04						
	e	05-27						
	iS	08-06						
	S _m					3.1	1.9	N6.0 E4.5
WCH	PcPz	08-10						
	esS	08-59						
	i	09-14						
	P	04-29	22.0					
XAN	S	08-08						
	ScS	15-17						
	L _{mN}				4.3			11
XAN	- iP	04-50	24.1					
	(PP)	05-54						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	S	08-58	29.2	4.1				5
	i	10-14						
	L _m							
WMQ	-iP	05-36	36.8					
	i	10-02						
	P	06-41.4						
KSH	PP	08-14	39.1			2.7		7
	S	12-10						
	R _{mE}							
LSA	-iP	07-00	39.7					
	i	17-30						
	P	07-05						

11. H=12-56-04.3, 18.0N, 69.8W, h=57 km, M=6.7

BJI	ePKP	13-14-54	121.5					
	ePP	16-30						
BTO	L _{mN}				20			24
	ePKP	14-51	120					
	ePP	16-24					0.7	7
	eSKS	21-49						
	iSKKS	23-25						
	ePS	26-22						
	ePPS	27-44						
	eSS	32-45						
XAN	L _m	14-00-34		18	11.1	14.5		26
	R _m	05-11		20	13	15	16	24
NJI	PKP	13-15-07	128.2					
	PP	17-14						
LSA	L _{mN}				10.5			27
	ePKP	15-09	129.2					
	ePP	17-26						
	PKP	15-11	130.2					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
11. H=13-58-37.7, 51.5 N, 176.1 E, h=32 km, M=6.9								
CNH	eP	14-05-24	34.4					
	S	10-57						
	L _m			106				16
BJI	eP	06-29	42.1					
	eS	12-56						
	L _{mN}				51			14
SSH	eP	06-52	45.0					
	S	13-36						
	L _m			42				15
NJI	P	06-57	45.6					
	eS	13-46						
	L _{mN}				28			17
BTO	+ P	06-58	45.8					
	P _m				2.2	4.6	11.6	9
	PP	08-56						
	S	13-48						
	S _m				38	17	13	14
WCH	L _m	28-42		131	97	91		15
	eP	07-26	49.3					
	eS	14-37						
	L _{mN}				38			15
	XAN	+eP	07-34	50.4				
eS		14-53						
L _m				62	51	35		15
WMQ	+iP	08-19	56.4					
	eS	16-15						
	R _{mE}					87		18
KMI	P	08-54	61.5					
	L _{mN}	38-55			46			15
LSA	+ P	09-13	64.3					
KSH	eP	09-22	65.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
11. H = 22-42-31.3, 24.0 N, 122.5 E, h = 46 km, M _B = 5.1, M = 4.3								
SSH	e(P)	22-44-14	7.0					
	eLg ₂	46-08						
	L _m			2.4				12
NJI	eP	44-37	8.7					
	Lg ₂	47-05						
	L _{mN}				1.6			10
XAN	eP	46-14	15.9					
	eS	49-06						
	L _m			1.0				12
BJI	eP	46-28	17.0					
	L _{mN}				1.1			12
	BTO	eP	46-58	19.5				
	eS	50-28						
	R _m	55-28		2.8	2.3	1.6		13
	R _{mz}	55-30					2.7	13
WMQ	P	49-18	34.5					
12. H = 01-13-21.2, 28.5 N, 128.3 E, h = 69 km, M = 4.7								
SSH	eP	01-14-53	6.2					
	i	17-02						
	L _{mN}				6.3			11
WCH	eP	16-46	14.8					
	i	20-28						
	L _{mN}				2.5			11
XAN	eP	17-19	17.4					
	i	23-06						
	BTO	eP	17-40	19.2				
	Q _m	24-26		0.5				14
	R _m	27-24		1.3	1.1	0.7		10
	R _{mz}	27-26					0.3	10

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
13. H=04-05-50.6, 36°14' N, 140°58' E, h=40 km, M=5.3, M _{PZ} =5.4(WMQ), M=4.5								
CNH	P	04-09-10	14.1					
	PP	09-22						
	S	11-49						
	L _{mE}				1.5			13
SSH	P	09-48	17.0					
NJI	eP	10-05	18.4					
	e	13-50						
BJI	eP	10-16	19.4					
	eS	13-53						
	L _m			0.9				14
WCH	eP	10-49	22.5					
	eS	14-56						
	L _{mN}				1.0			13
BTO	P	11-04.5	24.2					
	i	11-07.2						
	L _{mE}	20-59				1.2		15
XAN	eP	11-21	25.8					
WMQ	P	13-30.3	40.7				0.3	1.4
	S	19-41						
LSA	eP	13-38.5	41.8					
14. H=13-48-55.7, 56.2 N, 123.6 E, h=33 km, M=6.2								
CNH	eP	13-51-50	12.2					
	L _{mE}					36		6
BJI	P	52-50	16.8					
	eS	56-10						
	iLg ₁	57-50						
	L _{mE}					61		10
BTO	eP	53-03	17.8					
	P _{mzN}	53-11			0.9		1.0	2.1
	P _m	53-11			4.5	2.6	4.8	5.0
	eS	56-22						
	S _m	56-37			0.7	1.4		12

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	Lg ₂	58-43						
	L _m			50				8
	- iP	54-12	24.4				6.3	5
LZH	eS	58-33						
	L _{mN}				13			12
	- iP	54-12	24.4					
XAN	- iP	54-14	24.6					
	S	58-41						
	eLg ₂	14-01-55						
SSH	L _m			42				9
	- eP	13-54-18	25.0					
	S	58-46						
WMQ	L _{mN}				13			10
	P	54-27	25.9					
	S	59-01						
WCH	Lg ₁	14-02-45						
	R _{mE}					20		8
	- P	13-54-31	26.3					
KMI	eS	59-15						
	L _{mE}					52		15
	- P	55-43	34.5					
	S	14-01-15						
	L _{mN}	08-31						11
					20			

15. H = 05-27-34.9, 18.0 N, 119.5 E, h = 52 km, M = 4.8

SSH	e	05-30-41	13.1					
	eLg ₂	34-29						
NJI	eP	30-49	13.7					
	e	33-35						
KMI	L _{mE}					3.2		14
	eP	31-27	16.6					
XAN	L _{mN}	37-31			2.6			13
	eP	31-47	18.2					
	eS	35-17						
	L _m			2.5				10

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	P	31-51	18.6					
BJI	eP	32-28	22.1					
	eS	36-34						
	L _{mE}					1.5		20
BTO	eP	32-44	23.7					
	eS	36-57						
	S _m	37-14			0.6	0.5	0.4	10
	Q _m	40-43		2.0				17
CNH	eP	33-04	25.7					
	L _{mE}					1.6		13
WMQ	eP	34-43.5	37.1					

15. H=07-39-35.5, 41.4 N, 79.3 E, h=20 km, M=5.2

KSH	- iP _n	07-40-29.0	3.2					
	(\bar{P})	40-34						
	S _n	41-13						
	(\bar{S})	41-25						
	\bar{S}_{mE}					25		4
WMQ	+ P _n	41-14	6.7					
	- \bar{P}	41-39						
	S _n	42-34						
	i \bar{S}	43-08						
	L _{mN}				22			5
CDU	P	44-37	22.6					
	S _E	48-46						
BTO	+ P	44-41	23.1					
	eS _E	48-48						
	eS _N	48-50						
	S _m	49-07			0.4	0.6	0.5	11
	Lg ₂	52-07						
	R _{mE}	55-13				3.0		10
XAN	+eP	44-55	24.5					
	eS	49-16						
	L _m			2.1				8
KMI	eP ₁	45-04	25.3					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	+ P ₂	45-08	27.9		1.2	1.2	1.9	4
	eS _E	49-34						
	S _N	49-39						
	L _{mN}	54-37						
WCH	eP	45-26	30.2		1.4			10
	L _{mN}	45-46						
NJJ	+ P	45-46	32.9		1.6			9
	L _{mN}	46-08						
CNH	eP	46-08	33.8		1.8			12
	L _{mE}	46-16						
SSH	eP	46-16	35.3			1.5		10
	L _{mE}	46-16						
SSH	+ P	46-29	35.3			2.2		10
	L _{mE}	46-29						
	L _{mE}	46-29				1.1		11

15. H = 22-04-11.8, 41.5 N, 79.5 E, h = 12 km, M = 5.8

KSH	- P _n	22-05-05	3.3					
	(\bar{P})	05-12						
	(S _n)	05-53						
		05-50						
WMQ	+ P _n	05-50	6.5					
	sP	05-54						
	\bar{P}	06-15						
	S _n	07-14						
	iS*	07-36						
	i \bar{S}	07-43						
LSA	L _{mN}		15.1		3.9			5
	eP	07-47						
LZH	- iP	08-46.1	19.7					
	i	08-50						
	S _N	12-30						
CDU	R _m		22.6		18.8	13.2	13.5	10
	P	09-15						
BTO	S	13-21	23.0					
	eP	09-17						
	i	09-21.4						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	P _m	09-25			0.1	1.0	1.6	8
	eLg ₁	16-27						
	R _m	20-00				14.1	10.3	E 11 Z 9
	eP	09-30	24.7					
	P _m	09-45			0.4	1.0	1.8	7
	eS _E	13-52						
	S _N	14-04						
KMI	Lg ₂	18-01						
	L _m			11				10
	eP ₁	09-41	25.3					
	iP ₂	09-46						
	eS _N	14-11						
BJI	S _E	14-18						
	L _{mE}	21-12				6.7		12
	eP	10-04	27.7					
	eS	14-50						
WCH	iLg ₂	19-35						
	L _{mN}				6.5			12
	eP	10-21	30.1					
CNH	eS	15-17						
	Lg ₂	21-00						
	L _{mE}					11		11
	eP	10-54	33.5					
	eS _E	16-14						
GZH	S _N	16-24						
	iLg ₂	22-40						
	L _{mE}					9.8		11
SSH	P	10-56.3	33.7					
	+ P	11-07	34.9					
	eS	16-40						
	iLg ₂	23-39						
	L _{mE}					5.3		13

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)	
				A _H	N-S	E-W	U-D		
16. H=00-58-35.2, 41.6N, 79.4E, h=12 km, M=5.6									
KSH	- iP _n	00-59-30	3.4						
	\bar{P}	59-35							
	(\bar{S})	01-00-26							
WMQ	L _{mE}				41			5	
	+ eP _n	00-14	6.5						
	sP	00-18							
	\bar{P}	00-40							
	S _{nN}	01-38							
	S _{nE}	01-40							
	i \bar{S} _N	02-08							
	L _{mN}					36			4
CDU	P	03-38		22.6					
BTO	+ P	03-42.5	23.1						
	P _m				0.1	0.6	0.7	8	
	e _R	07-21							
	S _z	07-53							
	S _{NE}	07-56							
	S _m	08-09				0.6	1.2		11
	i _{ZN}	10-29							
	iLg _{1N}	10-55							
	L _{mN}	13-49				6.0			9.5
	R _{mE}	14-43					6.6		9
XAN	+ P	03-55	24.5						
	S	08-15							
KMI	L _m			7.2				9	
	eP ₁	04-04	25.4						
	+ P ₂	04-09							
	eS _E	08-28							
L _{mE}	15-35				3.3		13		
BJI	eP	04-27	27.8						
	eS	09-15							
	R _{mN}					3.3		12	
WCH	eP	04-47	30.5						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	eS	09-48	33.0			5.1		11
	L _{mE}							
	eP	05-09						
CNH	eS	10-26	33.5			3.5		10
	L _{mE}							
	eP	05-16						
SSH	eS	10-41	35.0			5.1		11
	L _{mE}							
	P	05-29						
	eS	11-04						
	L _{mN}				3.7		13	

16. H=05-41-52, M=4.3, 中国新疆

KSH	e(P _n)	05-42-53	3.8					6
	e \bar{P}	42-57						
	e \bar{S}	43-49						
WMQ	L _{mE}		7.1			7.2		1.8
	+eP _n	43-39.2						
	\bar{P}	44-02.2						
	S _n	45-00						
	\bar{S}_N	45-32						
	\bar{S}_{mN}				0.64			

16. H=10-56-35, M=4.7, 中国新疆

KSH	e(P _n)	10-57-34	3.7					5
	\bar{P}	57-39						
	S _n	58-20						
	\bar{S}	58-27						
	L _{mE}						10.2	

16. H=13-46-47, M=4.5, 中国新疆

KSH	eP _n	13-47-44	3.5					5
	\bar{P}	47-51						
	\bar{S}	48-38						
	L _{mE}						20.6	

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	eP _n	48-31	6.8					3.5
	\bar{P}	48-54						
	\bar{S}	50-23						
BTO	L _{mN}			3.4				
	e	52-02	23.4					
	L _{mE}				0.4			11

17. H = 21-00-40.9, 25.5 S, 69.2W, h = 93 km, M_{ppz} = 7.2, M = 7.3

KSH	+ iPKP	21-20-14	149.1					
WMQ	- PKP	20-22						
	(PP)	24-41						
	L _{mE}				51			22
CNH	- PKP	20-26	158.0					
	pPKP	20-57						
	PP	24-42				13		10
	SKKS	31-22						
LSA	- PKP	20-34	165.7					
BJI	- PKP	20-35	167.0					
	pPKP	20-59						
	PP	25-13				8.7		6
	SKKS	32-02						
BTO	L _{mN}			36				24
	- PKP	20-35	167.6					
	PKP _{mz}	20-47				13.2		7
	ipPKP	21-05						
	i	22-02						
	iPP	25-17						
	PP _{mz}					10.4		6
	sPP	25-45						
	iSKKS	32-03						
	iSS	45-43						
NJI	i _N	46-43						
	- iPKP	20-38	172.0					
	pPKP	21-09						
LZH	- iPKP	20-38	172.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
SSH	iPP	25-32	175.0					7.5	
	PP _m	26-02							
	PPP	29-11							
	iSKKS	32-02							
	SKSP	36-58							
	iSS	46-18							
	- PKP	20-39							
	pPKP	21-09							
	PP	25-37							
WCH	PP _m		178.0				14.5	6	
	SKKS	32-23							
	PKP	20-40							
	pPKP	21-06							
	PP	25-58							
	PP _m								17
SKKS	32-24								
L _{mE}		180			45	16			
- PKP ₁	20-40								
PKP ₂	22-12								
PP	26-04								
SKKS	32-47								
L _{mN}	22-47-23						75		
KMI									
19. H=17-23-01.2, 41.7 N, 79.4 E, h=12 km, M=5.3									
KSH	+ iP _n	17-23-56.5	3.4						
	\bar{P}	24-02.5							
	S _n	24-42							
	(\bar{S})	24-52							
	L _{mE}								30
WMQ	+ P _n	24-40.5	6.5						
	\bar{P}	25-03							
	S _n	26-00							
	\bar{S}	26-33							
	L _{mN}							29	6
LSA	eP	26-39	15.3						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
LZH	- P	27-35	19.8						
	S _E	31-20							
	e	34-11							
CDU	P	28-05	22.7						
	S _E	32-14							
BTO	+eP	28-07.5	22.9						
	P _{mz}						0.12	2.2	
	e _z	35-26					5.7	4	
	P _m	28-16			0.1	0.5	0.6	8	
	R _{mE}	38-49				5.7		10	
	R _{mz}	38-53						5.8	10
	XAN	P		28-22	24.5				
eS		32-39							
L _{mE}						5.3		11	
KMI	eP ₁	28-30	25.5						
	+ P ₂	28-34							
	eS _E	32-56							
	i	33-00							
	L _{mN}	39-54			3.1			14	
BJI	eP	28-56	27.8						
	eS	33-42							
	L _{mN}				2.4			10	
WCH	eP	29-16	30.2						
	eS	34-15							
	L _{mE}					3.5		12	
NJI	e(P)	29-35	32.1						
	eS	34-53							
CNH	e(P)	29-43	33.0						
SSH	eP	29-55	35.0						
	L _{mN}				1.5			10	

24. H=13-52-18.7, 23.6N, 123.8E, h=33 km, M=5.5

SSH	+ P	13-54-12	7.8					
	eS	55-47						
	L _{mE}					19		8

台名	震相	G.M.T. h-m-s	Δ (度)	A'(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	eP	54-36	9.5					
	eS	56-28						
	L _{mE}					14		7
WCH	eP	54-52	10.9					
	eS	56-59						
	L _{mN}				17.4			8
XAN	P	56-12	16.7					
	S	59-20						
	L _m			12				N 9 E 8
CDU	P	56-40	19.0					
	S	14-00-14						
	L _m			20				N 8 E 10
KMI	+iP	13-56-44	19.3					
	PP	57-03						
	e _E	57-15						
	iS	14-00-24						
	L _{mN}	04-22			10.3			12
CNH	+iP	13-56-52	20.2					
	eS	14-00-43						
	R _{mN}				18			15
BTO	+iP	13-56-56.4	20.5		1.0	0.9	1.8	4
	S _N	14-00-42						
	S _E	00-43						
	S _Z	00-48						
	R _m	06-00			14.5	13.6		16
	R _{mz}	06-04					19.3	16
	LSA	+iP		13-58-25	29.9			
KSH	+iP	14-00-20	43.2					
	iS	06-46						
	L _m			4.1				12

24. H = 17-56-52, M = 4.6, 中国新疆

KSH	e(P _n)	17-57-50	3.6					
	\bar{P}	57-55						
	iS _n	58-35						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	\bar{S}	58-47	6.9			15		6
	L _{mE}							
	+ P _n	58-36.6						
	\bar{P}	59-01.2						
BTO	eS _{nE}	59-57	23.5		1.8			2.2
	\bar{S}_N	18-00-30						
	\bar{S}_{mN}							
	e(P)	02-04						
	eLg ₂	09-30						
	Q _{mN}	11-02			0.1			
R _{mE}	12-42				0.1		10	

26. H=02-16-37.0, 24.6N, 94.7E, h=76 km, M=4.7

LSA	eP	02-18-05	6.0					
KMI	+ iP	18-27	7.6					
	iS	19-52						
CDU	L _{mN}	20-47			3.2			6
	ePz	19-14	11.1					
XAN	eP	20-13	15.6					
WCH	S	23-09						
	P	20-48	18.5					
BTO	eP	21-08	20.4					
	i	21-13						
BJI	S	24-54						
	S _m	25-02			0.3	0.6	0.4	9
BJI	L _{mN}	29-10			0.7			11
	eP	22-02	26.0					

26. H=19-00-36.6, 25.2N, 106.1E, h=33 km, M=4.8

KMI	eP _n	19-01-24	3.1					
	- \bar{P}	01-27						
CDU	\bar{S}_z	02-06						
	\bar{S}_N	02-08						
	L _{mN}				26			8
	P _n	02-04	5.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	\bar{P}	02-24	9.0					
	S _n	03-04						
	P	02-47						
	S	04-26						
	Lg ₂	05-08						
XAN	L _m			6.1				N 9 E 8
	P	02-49	9.2					
	S	04-26						
LZH	L _m			7.7				N 10 E 9
	e(P)	03-16	10.6					
NJI	Lg ₂	06-25						
	e(P)	03-48	12.9					
LSA	eLg ₂	07-41						
	L _m			3.1				10
	+ P	03-54	14.1					
BTO	eP	04-15	15.7					
	eLg ₂	08-42						
BJI	L _{mE}	09-42				3.6		13
	e(P)	04-36	17.1					
	L _{mN}				1.6			15
WMQ	eP	05-48.4	23.9					
<p>26. H = 19-27-13.9, 5.2 S, 96.9 E, h = 25 km, M = 6.7</p>								
KMI	-iP	19-33-31	30.5		1.7	0.8	3.2	4
	PP	34-26						
	iS _E	38-34						
	SS _E	40-14						
	L _{mN}	45-52			74			16
LSA	-iP	34-10	35.0					
WCH	-iP	34-44	39.0					
	sP	34-50						
	S	40-45						
	SS	43-35						
XAN	L _{mE}					80		17
	-iP	34-55	40.4					



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)				
				A _H	N-S	E-W	U-D					
LZH	sP	35-03	41.2					N 16 E 12 4				
	S	41-04										
	R _m								42	14		
	-iP	35-02							1.4	0.6		
	PP	36-35										
	PcS	40-46										
	i	41-00										
	iS	41-15										
NJI	SS	44-20	42.2	55	27	47		17				
	Q _{mE}											
	-iP	35-10										
	sP	35-17										
SSH	S	41-34	42.7	37	17	33		16				
	L _m											
	-iP	35-14										
	sP	35-21										
	PcP	37-07										
	S	41-39										
BTO	ScS	45-09	46.9	34	17	30		9				
	L _m											
	-iP	35-47.7							1.0	0.5	2.0	4
	P _m	35-53							2	0.7	3.7	6
	iPP	37-26.7										
	PP _{mz}										1.6	10
	iS	42-42							+3.3	+2.2	-2.1	N 9 E 8 Z 7
	S _m	42-50							9.7	7.4	2.4	N 13 E 10 Z 8
KMI	L _{mE}	54-02	47.9			36		16				
	L _{mE}								44	17		
BJI	-iP	35-56	47.9									
	S	42-56										
	-iP	35-56										

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	i	36-03	49.1	50				18
	S	42-58						
	R _m							
	-iP	36-05						
	sP	36-11						
CNH	S	43-11	54.4					18
	R _{mN}							
	-iP	36-45						
	i	36-53						
	iS	44-27						
	L _{mE}				47		17	

27. H=17-15-39.2, 52.0N, 170.5W, h=18 km, M_B=5.2

BJI	eP	17-24-35	49.7					
SSH	eP	24-49	51.6					
BTO	eP	25-00	53.0					
WCH	eP	25-28	56.9					
XAN	P	25-39	58.4					
WMQ	P	26-08	62.7					
LSA	P	27-05	71.8					

27. H=17-50-50.7, 3.5S, 145.5E, h=33 km, M_B=5.4, M=5.3

WCH	eP	17-59-07	45.2					
	eS	18-05-51						
	L _{mE}					1.5		10
XAN	P	17-59-49	50.6					
BJI	eP	59-56	51.6					
	R _{mN}					2.5		19
BTO	+ P	18-00-17.3	54.4					
	L _m	20-01				2.5	1.7	20
LSA	P	01-08	61.0					
WMQ	P	02-00.4	69.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

28. H=05-01-48, 37.8 N, 106.3 E, h=33 km, M=5.1

BTO	+ P _n	05-02-48.0	4.0					
	i	02-49.9						
	\bar{P}	03-00.7						
	S _n	03-36.6						
	\bar{S}	03-50.7						
XAN	R _m	04-35		20				8
	P _n	02-53	4.3					
	\bar{P}	03-04						
CDU	\bar{S}	04-03						
	L _m			24				9
	eP _n	03-26	6.4					
BJI	P _n	03-44.8	8.0					
	\bar{P}	03-14						
	\bar{S}	05-52						
WCH	L _{mN}				10			11
	eP	04-11	9.9					
	L _{mE}					7.5		10
LSA	P	05-19	15.2					
WMQ	eP	05-20	15.3					
	S	08-15						
	Lg ₂	09-52						
	L _{mN}				3.4			9

28. H=13-20-38, 37.8 N, 106.2 E, M=3.6

BTO	eP _n	13-21-41	3.8					
	e \bar{P}	21-52.5						
	S _n	22-29						
	\bar{S}	22-43						
	\bar{S}_m				0.6	0.5	0.3	0.5
XAN	L _m				1.1	0.9	0.7	11
	- P _n	21-48	4.4					
	\bar{P}	22-00						
	\bar{S}	23-00						

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	\bar{S}_{mE}				0.3	0.5		0.8
	L_{mN}				1.7			13
	eP _n	22-40.5	8.0					
	\bar{P}	23-10						
WCH	\bar{S}	24-48						
	L_{mN}				0.9			14
	eP	23-13	10.5					
	eS	25-06						
	L _{g2}	25-55						



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
1. H=01-16-16.8, 6.4 S, 130.3 E, h=133 km, M _{PZ} =5.7(KMI), M _{SH} =5.3(SSH, BTO)								
SSH	+ P	01-23-25	38.5					
	pP	23-54						
	PP	24-58						
	S	29-05						
	S _m			1				8
	sS	30-00						
WCH	+ P	23-39	40.2					
NJI	+ P	23-38	40.1					
	eS	29-37						
KMI	+ P	23-52	41.8		0.6	0.7	1.5	4
	P _{mZ}	23-54					1.6	4
	PP	25-29						
	S _E	29-52						
	i	30-51						
CDU	+iP	24-16	44.7					
XAN	P	24-19.5	45.4					
	S	30-42						
BJI	P	24-44	48.4					
	pP	25-16						
	sP	25-38						
	S	31-28						
	sS	32-21						
	ScS	34-21						
CNH	P	25-00	50.5					
	S	31-58						
BTO	+ P	25-01	50.6					
	e	25-34						
	S _E	32-00						
	S _N	32-02						
	S _m				0.6	1.4		8
	i	32-59						
WMQ	+iP	26-31.7	54.8					
	pP	27-02.9						
	S	34-48						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
2. H=05-34-27.3, 12.3 N, 123.9 E, h=35 km, M _{PPZ} =5.1, M=6.1								
SSH	+iP	05-38-45	18.8					
	S	42-15						
WCH	L _{mE}					23.7		14
	+ P	38-59	20.0					
	PP	39-21						
NJI	L _{mN}				50			18
	+ P	39-00	20.1					
	eS	42-42						
KMI	L _{mE}					16.4		15
	+ P	39-38	23.9					
	L _{mE}	49-22				16.0		15
XAN	P	39-52.5	25.3					
	S	44-24						
	R _m			33				15
BJI	eP	40-19	28.2					
	eS	45-07						
	L _{mE}					15.6		16
LZH	+ P	40-32.5	29.7					
	iS	45-28						
	Q _m			102	85	57		20
BTO	eP	40-39	30.4					
	ePP	41-45						
	PP _m	41-54			0.5	0.2	0.8	10
	eS	45-39						
	S _m	46-02			3.2	3.3		19
	S _{mz}	46-28					3.2	12
	L _{mE}	52-26				16		16
	R _{mz}	53-07					23.0	20
CNH	P	40-46	31.2					
	PP	41-52						
	eS	45-51						
	L _{mE}					16.7		14
LSA	eP	41-16	34.7					



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	P	42-35	44.3					19
	S	49-11						
	R _{mN}				62			

3. H=04-26-20, 41.6 N, 79.2 E, M=4.3

KSH	- \bar{P}	04-27-20	3.4					7
	\bar{S}	28-04						
	L _m			3.7				
WMQ	P _n	28-03.6	6.3					4
	\bar{S}	29-49						
	L _m			4.4				

4. H=09-03-50.2, 27.0 N, 127.3 E, h=120 km, M=4.8

SSH	- P	09-05-28	6.8					6
	S	06-37						
	L _m			2.4				
NJI	- P	05-58	9.0					
BJI	eP	07-32	11.5					
CNH	+ iP	07-42	12.4					
	pP	08-02						
XAN	P	07-46	12.7					
BTO	eP	08-12	19.8					13
	L _m	24-14		2.0				

4. H=11-30-51.1, 15.6 N, 121.9 E, h=30 km, M=5.4

WCH	+ iP	11-34-42	16.5					17
	L _m			21.2				
NJI	+ P	34-44	16.7					15
	L _m			6				
KMI	+ iP	35-29	20.5		0.9	1.2	2.7	4
	iS	39-14						
	L _m	43-43				15.3		
CDU	+ iP	35-48	22.5					15
	S	39-51						
BJI	+ eP	36-15	25.2					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	eS	40-39	26.9	5.4	13			15.5
	L _m							
	+ P	36-31						
CNH	i	37-11	28.9	6	13			20
	eS	41-04						
	L _{mN}	47-34						
WMQ	eP	36-49	40.7	9				16
	L _m							
	P	38-29						
	sP	40-04						14
	S	44-36						
	L _m							
8. H=19-07-00.4, 6.9 S, 129.6 E, h=33 km.								
M _{PZ} =6.9, M _{PH} =7.0(BTO), M=6.1								
SSH	+iP	19-14-25	39.0		8.6			10
	S	20-12						
	L _{mE}							
WCH	+iP	14-36	40.4		15.3			14
	L _{mE}							
CDU	+iP	15-15	45.2					
XAN	+iP	15-16.5	45.3		10			14
	S	21-46						
	L _{mN}							
BJI	+iP	15-43	48.7					11
	S	22-32						
	ScS	25-26						
BTO	L _{mE}		50.3		2.3	1.2	5.3	5
	+iP	15-59						
	P _m	16-04						
	+PP	17-57			3.1	1.5	6.0	5.5
	S _N	23-02						
	S _E	23-05						
	S _m	23-11			2.2	4.1	1.1	9
	SS _N	26-41						
	L _{mE}							
				6.2				14



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	+iP	16-00	50.4					13
	S	23-06						
	ScS	25-39						
	L _{mE}			5.5				
LSA	eP	16-10	52.2					
WMQ	+iP	17-28	63.4					16
	PP	19-46						
	S	25-51						
	ScS	27-08						
KSH	L _{mN}			7.2				16
	+iP	17-59	68.4					10
	L _{mE}			6.0				

9. H=03-03-18.7, 32.5 S, 71.2 W, h=58 km, M_{PPZ}=7.9(BTO), M=7.9

KSH	+iPKP	03-23-04	152.5					20
	PP	26-57						
WMQ	+iPKP	23-13	161					22
	PP	27-36						
	SKKS	34-37						
CNH	L _{mE}					277		
	+iPKP	23-13	163					22
	PP	27-50						
	L _{mE}					253		
LSA	+iPKP	23-18	167					
SSH	+iPKP ₁	23-19	168					19
	PKP ₂	24-25						
	PP	28-12						
	PPP	32-05						
	SKKS	34-43						
	L _{mE}					85		
KMI	+ PKP	23-21	170		0.8	9.0		10
	PKP _m	23-29					23	10
	PP	28-28						
	L _{mE}	46-51					266	22
NJI	+iPKP	23-21	171					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)	
				A _H	N-S	E-W	U-D		
BTO	PP	28-35	171.5					7	
	+iPKP ₁	23-21.4							
	PKP _m	23-31					19		
	+ PKP ₂	24-40							
	i	24-47							
WCH	ePP	28-29	174					10.5	
	iPP	28-36							
	PP _m	28-43					31		
	L _{mE}					300			23
	+iPKP ₁	23-22							
XAN	PKP ₂	25-48	177					19	
	PP	29-00							
	L _{mN}					203			
	+iPKP ₁	23-23							
	PKP ₂	25-13							
CDU	SKKS	35-48	178						
	PKP ₁	23-24							
<p>9. H=09-49-43.3, 5.9 S, 154.4 E, h=62 km, M_{PZ}=5.5(BTO), M=5.0(BJI)</p>									
SSH	+ P	09-58-23	49.2						
	pP	58-33							
	S	10-05-18							
NJI	+ P	09-58-40	51.4						
	eS	10-05-52							
WCH	P	09-58-54	53.2						
CNH	P	59-17	56.5						
BJI	eP	59-29	58.2						
	eS	10-07-12							
	L _m					0.8			18
KMI	+ P	09-59-40	59.8						
	S	10-07-47							
BTO	+ P	09-59-57	62.4					6	
	P _m					0.3	0.2		0.7
	i	10-01-06.3							
	eS	08-14							

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
	S _m				0.1	0.5		10
	L _m	23-51		1.0				20
9. H=16-44-15.8, 43.5N, 147.7E, h=46 km, M=5.0								
CNH	eP	16-48-02	16.2					
	L _m			7				14
BJI	eP	49-24	23.6					
	L _m			1.5				17
SSH	+ P	49-32	24.4					
	S	53-53						
	L _m			3				18
NJI	P	49-42	25.4					
BTO	eP	50-05	27.9					
	L _m			3.0				17
XAN	P	50-45	32.4					
10. H=05-23-51.6, 6.0S, 154.6E, h=59 km, M=5.4								
SSH	+ P	05-32-33	49.4					
NJI	+ P	32-50	50.9					
	eS	40-06						
WCH	+ P	33-03	53					
CNH	P	33-27	56					
BJI	eP	33-39	58					
	eS	41-35						
	L _m			0.9				18
XAN	P	33-45	58.5					
	S	41-47						
	L _m			1.4				8
KMI	+ P	33-49	59.0					
	S	41-57						
BTO	eP	34-07	61.5					
	eS	42-22						
	S _{mE}	42-35				0.3		9
	L _{mE}	58-16				1.8		20

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KSH	PKP	10-11-26	153					
	PP	15-18						
CNH	PKP	11-34	159.4					
WMQ	PKP	11-35	160					
	PP	15-59						
	SKKS	22-13						
	SKSP	26-23						
	L _{mN}			4.8				16
LSA	PKP	11-41	166.5					
BJI	+ PKP	11-43	169.2					
	ePP	16-48						
	L _{mN}			4.4				18
SSH	+ PKP	11-43	169.3					
	PP	16-46						
	SKKS	23-29						
	L _{mE}				4.3			17
NJI	PKP	11-43	170.3					
BTO	+ PKP ₁	11-43.6	170.7					
	PKP _{1mz}	11-47					2.2	4
	ePKP ₂	13-04						
	ePP	16-50						
	iPP	16-55						
	PP _m	17-03		0.8		2.1		N12 Z 8
	PPP	21-02						
KMI	+ PKP ₁	11-44	170					
	+ PKP ₂	13-10						
	PP	16-52						
	L _{mE}	33-02			6.2			20
WCH	PKP ₁	11-44	171.5					
	PP	17-16						
XAN	PKP	11-45	173.5					
	PP	17-25						
	L _{mE}				3.5			18

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
14. H=06-11-28, 6.2 S, 154.5 E, h=120 km, M _{PZ} =7.7, M _{SH} =7.2, M=8.0								
SSH	+iP	06-20-05	49.0				29(P _m)	7
	pP	20-30						
	sP	20-47						
	eS	27-00						
NJI	L _m			570	448	358		20
	+iP	20-23	51.1					
	sP	21-06						
WCH	P _{mZ}						37	8
	P	20-36	52.8					
CNH	+iP	21-02	56.4					
	P _{mZ}						27	10
	sP	21-41						
BJI	S	28-47						
	+iP	21-12	57.9					
	P _{mZ}						30	10
XAN	sP	21-54						
	L _m			2,000				37
	+iP	21-18						
KMI	sP	22-02						
	P _m						42	8
	+iP	21-24	60.7		4.2	10.7	25.8	9
	P _{mZ}	21-29					39.4	9
	sP	22-05						
BTO	iS	29-26						
	S _{mE}	29-33				40		12
	i	30-03						
	+iP	21-39	62.2		8	10.2	25	8.5
	P _m	21-42			11	13	(25)	9
	isP	22-23						
	iS _E	29-54						
	iS _N	30-00						
	S _{mE}	30-02				38.3		12
	i	30-24						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
	PKPPKP	51-11						
LZH	+ P	21-51	64.2		4.6	6.3		8
LSA	eP	22-36	70.9					
WMQ	P	23-20	78.5					
	P _{mz}						33.4	7
	S	33-03						
KSH	+iP	24-00	86.2					

14. H=17-38-49.3, 5.2 S, 153.3 E, h=33 km, M=5.7

SSH	+ P	17-47-22	47.3					
NJI	+ P	47-39	49.6					
CNH	iP	48-18	54.8					
BJI	eP	48-30	56.1					
	eS	56-18						
	ScS	58-18						
	L _m	18-12-12				27		22
KMI	+ P	17-48-39	57.6					
	eS _E	56-31						
	S _N	56-38						
	L _{mN}	18-06-52			4.2			20

14. H=18-27-43.7, 5.2 S, 153.3 E, h=33 km, M=6.3

SSH	+ P	18-36-18	47.5					
	eS	43-11						
	L _m			12.5				18
NJI	- P	36-34	49.5					
	eS	43-41						
	R _{mN}				10.7			18
WCH	P	36-49	51.7					
	S	44-05						
	L _{mE}					29.2		20
CNH	iP	37-15	55.2					
	S	44-51						
	L _{mN}				15.7			17
BJI	eP	37-25	56.5					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	eS	45-12						
	R _m	19-00-06		17	11	13	16	18
	- P	18-37-35	57.8					
XAN	S _N	45-29						
	L _{mN}				12.2			18
	P	37-30	57.4					
BTO	S	45-22						
	L _{mE}					29.3		20
	- iP	37-53.4	60.4					
	P _{mZ}	37-59					2.0	8
LSA	S	46-06						
	S _m			2.3	1.64	1.6		11
	L _{mN}	19-06-43			10.6			17
	P	18-38-49	69.2					
WMQ	P	39-32	76.4					
	S	49-13						
	R _{mE}					8		17
14. H=20-24-54.0, 5.7 S, 153.3 E, h=33 km, M=5.6(BJI, BTO), M _{PZ} =5.5, M _{SH} =5.4(BTO)								
SSH	+ P	20-33-32	48.0					
NJI	P	33-54	50.9					
CNH	eP	34-26	55.3					
BJI	eP	34-40	57.2					
	eS	42-29						
	R _m	21-00-06			16			16
KMI	+ P	20-34-48	58.4					
	PP	37-01						
	S	42-51						
BTO	eP	35-05	60.8					
	P _{mZ}	35-17					0.6	5
	eS	43-22						
	S _m			2.1	1.5	1.7		10
	L _m	21-03-17		3.7	2.6	2.7		N 16 E 18

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
16. H=21-59-42, 40.2 N, 111.5 E, M=4.2								
BTO	- iP _n	22-00-04.7	1.2					
	i \bar{P}	00-05.4			0.6	2.5	1.6	1.0
	S _n	00-20.4						
	i \bar{S}_N	00-21.7						
	i \bar{S}_E	00-21.9						
	i	00-24						
BJI	\bar{S}_m				14	7	11	0.8
	eP _n	00-39	3.6					
	\bar{P}	00-42						
	\bar{S}	01-27						
XAN	L _m				2.5	5.5		0.5
	P _n	01-20	6.5					
	S _n	02-35						
WCH	L _m				0.3	0.5		1.2
	e	02-23	10					
	Lg ₂	05-15						
16. H=22-15-39.1, 39.0 N, 143.5 E, h=22 km, M=5.4								
CNH	P	22-19-00	13.9					
	L _m			5				13
SSH	+ P	20-10	19.5					
	L _m			3				13
BJI	+ P	20-20	20.4			0.7	0.6	3
	eS	24-17						
	R _m	28-36			2.7	5.3	6.6	N13 ZE16
BTO	+ iP	21-06.4	25.0					
	P _m	21-16			0.4	0.5		8
	PP	21-51						
	eS	25-32						
	R _m	31-31			0.6	11.6		15
WCH	R _{mZ}	31-35					12.7	15
	P	21-15	26.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	eS	26-24	27.5	4.3		8.1		14
	L _{mE}							
WMQ	P	21-29						13
	L _m							
	+iP	23-25.4	41.0					
	S	29-42						18
	R _m				2.6			
17. H=05-32-42.9, 7.0N, 94.7E, h=138 km, M _{PZ} =5.9, M _{SH} =6.2								
KMI	eP ₁	05-37-05	20					9
	+ P ₂	37-07						
	pP	37-39						
	eS _E	40-36						
	iS _{NE}	40-41						
	S _{mE}	40-52				23		
XAN	sS	42-14						8
	P	38-39	30					
	S	43-21						
WCH	S _m				4.6	4.0		17
	eP	38-40	30.1					
LZH	iS	43-27						16
	L _{mN}				2.7			
	+ P	38-43.5	30.5					
NJI	S	43-28						8
	R _m				4.0	1.2		
SSH	eP	39-12	33.8					5
	eS	44-25						
	L _{mN}				2.6			
BTO	+eP	39-23	35.2				2	3.5
	P _{mZ}							
	sP	40-15						
	iS	44-41						
	sS	45-38						
	+eP ₁	39-34	36.5					
	+iP ₂	39-36			0.8	0.6	1.5	
	sP	40-18						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)				
				A _H	N-S	E-W	U-D					
WMQ	iPcP	41-47	37.5					NE8.5 Z7.0				
	iS	45-02										
	S _m								2.2	3.5	1.1	
	iSS	47-43										
	eP	39-42										
	pP	40-12										
BJI	S _N	45-17	38.5					14.3				
	S _{mN}								6.9			
	P	39-52							1.5	1.0	2.9	4
	P _m	39-55										
CNH	pP	40-29	45.8									
	e	42-18										
	eS	45-34							5.3			6
	S _{mE}											
	ScS	48-40										
	eP	40-50							4.0			
eS	47-18											
	L _{mN}											

17. H=15-00-55.9, 26.6N, 93.2E, h=49 km, M=5.3

LSA	+iP	15-01-55	3.6					
KMI	+ P	03-02	8.7		0.25	0.76	1.10	2
	L _{mN}	06-09			19			11
XAN	P	04-29	15.4					
	eS	07-18						
WMQ	L _m			7.5				8
	P	05-01	17.7					
	eS	08-18						
WCH	S _m				3.6			6
	P	05-15	19.0					
BTO	- P	05-23	19.7		0.47	0.64	1.01	4
	P _m	05-28			0.9	1.1	1.2	5
	eS	08-53						
	iS	09-02						
	S _m			1.4	1.1	1.0	1.8	7

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	+ P	14-41-01	56.8					
	S	48-50						
	L _m			42	31	28		21
BTO	+ P	41-22	59.8		0.9	1.1	0.2	4
	P _m	41-28			1.4	1.5	1.2	4
	eS _Z	49-25						
	S _N	49-29						
	iS _E	49-34						
	S _m	49-41			4.0	5.5		11
	L _{mN}	15-07-58			15.0			18
LSA	+ iP	14-42-19	68.5					
WMQ	+ P	43-05	76.4					
	S	52-43						
	S _{mE}					1.0		7
<p>19. H=00-14-45.3, 5.7 S, 153.8 E, h=42 km, M_{PZ}=7.0(BTO), M_{SH}=7.5(BTO, WMQ), M_{SH}=6.6(BJI)</p>								
SSH	- P	00-23-24	48.2					
	L _m			45				18
	WCH	- iP		23-55				
CNH	S	31-12						
	L _{mN}				40			17
	eP	24-15	55					
	eS	31-35						
BJI	L _{mN}				30			17
	eP	24-30	57					
	S	32-25						
	S _{mE}	32-28				12		10
	ScS	34-19						
XAN	R _{mN}	52-36			25			18
	- P	24-36	58					
	S	32-28						
L _m		39					16	
BTO	eP	24-57	61					
	P _m				4.2	4.1	9.2	9
	iS _E	33-16.5				15.2		10

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
LZH	iS _N	33-17.5	62.5	38	7.7			10
	S _Z	33-18.5					3.3	10
	S _m	33-43			21	33	7.5	9
	L _{mN}	50-44			53			19
	L _{mE}	51-24				34		17
	P	25-07.7			1.2	1.8		5
	S	33-35.6						
LSA	L _m			4.2	3.4		10	
WMQ	iP	25-53	69.6					
WMQ	+ P	26-37	77.2					
	S	36-24						
	S _{mN}			44			9	

19. H=14-48-42.3, 4.9 S, 144.5 E, h=74 km, M=5.7

SSH	+ P	14-56-29	42.4					
NJI	+ P	56-46	44.6					
WCH	P	57-07	47.4					
KMI	L _{mE}					1.8		13
	+ P	57-35	50.8					
CNH	S	15-04-46						
	P	14-57-41	51.8					
	S	15-04-49						
XAN	P	14-57-42.1	51.9					
BJI	+ P	57-44	52.1					
	eS	15-05-01						
	R _m				2.2	1.3		20
BTO	+ P	14-58-09.5	55.5					
	P _{mZ}						0.09	1.0
	S	15-05-44						
	S _m				0.4	0.7		8
	R _m	18-04			2.9	2.0		23
LSA	R _{mZ}	18-12					3.7	23
	P	14-58-57	62.4					
	WMQ	+ iP	59-50.7	69.8			0.2	1.0
	S	15-08-59						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
19. H=15-37-46.1, 5.5 S, 150.6 E, h=33 km, M _{PZ} =6.0, M=6.4								
SSH	+ P	15-46-08	46					
	S	52-56						
NJI	L _m			20				14
	eP	46-26	48.3					
	eS	53-30						
WCH	L _m			23				11
	eP	46-38	49.8					
	S	53-51						
CNH	L _{mN}				12			14
	eP	47-08	53.8					
	eS	54-45						
BJI	L _{mN}				8			14
	eP	47-16	55					
	P _{mZ}						2	5
XAN	eS _E	55-03						
	L _{mN}				12			16
	eP	47-19	55.5					
KMI	P _m						1.8	8
	eS	55-10						
	L _m				9.6	6.2		N 15 E 16
BTO	- P	47-24	56					
	S	55-16						
	L _{mN}	16-03-47			14.3			16
BTO	- eP	15-47-44.2	58.5					
	+ P	47-46.7						
	P _m				0.7	0.7	1.8	8
	ePP	49-49						
	eS _N	55-55						
	eS _E	55-57						
	S _m	56-12			3.0	4.8	3.0	12
	L _{mN}	16-13-12			11.8			16
LSA	P	15-48-38	67					
WMQ	P	49-25	74.8					



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
	S S _{mN}	59-07			3.6			10

19. H=16-58-09.3, 24.3 N, 122.4 E, h=62 km, M=4.5

SSH	+ P	16-59-49	6.8					
	Lg _{2E}	17-01-30						
	Q _{mE}	01-47				2.4		5
NJI	+ P	00-09	8.3					
WCH	- eP	00-33	10.2					
XAN	e(P)	01-44	15.7					
BJI	eP	02-01	16.9					
BTO	+ P	02-32.5	20.7					
	P _{mz}						0.02	1.0
WMQ	e(P)	04-53	34.9					

20. H=10-34-11.5, 15.3 N, 120.3 E, h=33 km, M=4.5

SSH	+ P	10-37-54	15.9					
WCH	eP	38-02	16.6					
NJI	eP	38-08	17.0					
KMI	- P	38-35	19.3					
XAN	P	38-56.6	21.2					
	L _m			2.3	2.7	1.3		N 16 E 14
BJI	- P	39-33	25.0					
	R _{mE}	51-24				0.7		15
BTO	eP	39-49	26.7					
	P _m						0.01	1.5
	R _m	51-54				2.2		15
CNH	P	40-15	29.6					
WMQ	P	41-43.3	39.9					

20. H=17-34-20.1, 19.6 S, 177.3 E, h=33 km, M=5.9(BTO)

CNH	eP	17-46-23	79.2					
	eS	56-24						
	S _m					1.7		12
BJI	eP	46-40	82.5					

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)			
				A _H	N-S	E-W	U-D				
XAN	eS	56-56	84.6		0.7			17			
	L _{mN}										
KMI	eP	46-51	85.4								
	eSKS	57-17									
BTO	eP	46-55	86.6								
	eS	57-22									
	eP	47-01									
	P _m	47-11							0.6		
	eSKS	57-34									
	eS	57-49									
	S _m								0.9	0.6	9
	L _m	18-33-13							2.3	1.6	1.64

25. H=12-51-42.0, 12.4N, 123.7E, h=33 km, M=6.5

SSH	+ P	12-55-59	18.7					
	S	59-24						
WCH	L _m			65				14
	P	56-13	19.9					
	P _{mZ}						12.8	3.5
NJI	S	59-57						
	+ P	56-14	20.0					
KMI	eS	13-00-00						
	L _{mN}				15			13
	- P	12-56-53	23.9		1.5	2.1	4.7	4
	P _{mZ}	56-59					6.5	10
	PP	57-22						
	S _E	13-01-00						
	iS _{NE}	01-08						
XAN	SSS _E	02-00						
	L _{mN}	09-42			51			13
	+ P	12-57-07	25.3					
BJI	S	13-01-30						
	+ P	12-57-34	28.2					
	S	13-02-14						
	R _{mE}	08-42				34		15

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
LZH	- P	12-57-46.4	29.6		1.5	1.6		4
	S	13-02-42.4						
BTO	R _m					181		20
	eP ₁	12-57-50.8	30.1					
	P ₂	57-53.3						
	S	13-02-54						
L _{mE}	10-54							
CNH	+iP	12-58-02	31.4			137		18
	S	13-03-08						
	L _{mE}							
LSA	iP	12-58-32	34.9					
WMQ	+ P	59-48	44.0					
	S	13-06-20						
	L _m							
KSH	P	00-36	50.2			170		18
	S	07-49						

25. H=14-14-23.4, 5.9 S, 129.8 E, h=151 km, M_{PZ}=6.2(WMQ)

SSH	+ P	14-21-28	38.2					
XAN	iP	22-21.2	44.6					
BJI	+ P	22-45	47.8					
BTO	eP	23-01	49.8					
CNH	+iP	23-02	49.9					
WMQ	P	24-32.6	62.7					
	P _{mz}						0.4	1.0
	S	32-43						

25. H=15-41-21.3, 52.2 N, 173.1 E, h=28 km, M=6.3

CNH	+iP	15-47-50	32.5					
	iS	53-05						
BJI	+ P	48-57	33.2					
	S	55-02						
	L _m							
SSH	+ P	49-19	43		45	34		N 13.5 E 15.0
	S _N	55-47						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	+ P	49-27	44					
	S	55-58						
BTO	P	49-28	44.1					
	S _N	55-58						
	L _m				90	45		13
WCH	+ P	49-55	47.5					
	S	56-47						
XAN	+ P	50-04	48.7					
	S _N	57-06						
WMQ	+iP	50-49	54.7					
	S _N	58-27						
	L _m				39			14
KMI	P	51-15	58.3					
	S	59-26						
	L _m	16-17-48		24				14
LSA	iP	15-51-43	62.4					

26. H=01-23-21.3, 4.9S, 153.2E, h=48 km, M=7.5

SSH	+ iP	01-31-51	47.0					
	i	34-36						
	S	38-41						
	L _m			620				20
NJI	+ iP	32-10	49.3					
	S	39-14						
	L _m				328			20
WCH	+ iP	32-24	51.4				88	14
	S	39-39						
CNH	+ iP	32-48	54.5					
	S	40-25						
	L _m					240		18
BJI	+ P	32-58	55.9					
	sP	33-12						
	S _N	40-40						
XAN	L _m			2,000				36
	P	33-04	56.7					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	+iP	33-26	59.8				33	8
	S _N	41-39			65	35		16
	SKKS	01-57						
LSA	P	34-23	68.6					
WMQ	+iP	35-06	76.0				32	7
	iS	44-48						
KSH	P	35-47	83.6					
	iS	46-08						

26. H=01-48-35.7, 40.2N, 77.4E, h=33 km, M=5.7

WMQ	- P	01-50-39	8.5					5
	eLg ₂	53-19						
	L _m				48			
BTO	eP	53-56	24.8					
XAN	eP	54-06	25.8					
WCH	eP	54-56	31.5					

26. H=15-35-37.8, 5.6S, 151.4E, h=33 km, M=6.1

SSH	eP	15-44-08	47.0					18
	eS	51-00						
	L _m				29			
NJI	eP	44-23	48.9					20
	eS	51-26						
	L _m					7		
WCH	eP	44-36	50.7					
CNH	eP	45-05	54.5					17
	eS	52-43						
	L _m					7.7		
BJI	eP	45-13	55.7					18
	eS	52-55						
	L _m					16.6		
XAN	eP	45-17	56.2					
	eS	53-00						
KMI	+ P	45-20	56.5					
	PP	47-24						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA WMQ	eS	53-16						
	L _m	16-07-02		7.8				16
	eP	15-46-34	67.6					
	eP	47-22	75.8					
	eS	57-02				2.5		12

27. H=02-03-20.4, 4.9 S, 153.3 E, h=55 km, M_{SH}=5.0(BTO)

CNH	iP	02-12-47	54.5					
BJI	eP	12-58	56.0					
	eS	20-40						
BTO	eP	13-24	59.7					
	S	21-36			0.7	0.6		10
LSA	P	14-22	68.6					
WMQ	P	15-04.8	76.0					

27. H=02-02-49.6, 2.7 S, 77.4W, h=135 km, M=7.0

WMQ	ePKP	02-21-50	133					
	L _m					46		13
CNH	ePKP	21-50	133					
	pPKP	22-30						
	ePP	24-23						
BJI	ePKP	21-56	140					
	ePP	24-58						
	L _m				29.2			21
BTO	ePKP	21-58	141					
SSH	- PKP	22-17	146.5					
	pPKP	22-53						
	PP	25-46						
	PP _m						14.4	11
NJI	- iP	22-18	147					
	pPKP	22-54						
	PP	25-44						
WCH	PP _m						34	9
	- ePKP	22-20	148					
	pPKP	23-02						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA KMI	ePP	26-00						
	- PKP	22-24	149					
	PKP	22-41	156.8					
	PP	26-52						
	SKKS	33-26						
	L _m	03-41-38			26			23
27. H=14-25-31.2, 13.8 N, 95.8 E, h=36 km, M=6.0								
LSA	P	14-29-16	16.1					
WCH	eP	30-42	23.9					
BTO	eS	34-50						
	eP	31-32	29.2					
WMQ	L _m				13			11
	P	31-45	30.7					
	S	36-40						
KSH	L _m				6.8			13
	eP	31-50	31.2					
BJI	eS	36-50						
	eP	31-55	31.9					
	eS	36-59						
	L _m				8			13
27. H=20-47-56.5, 5.2 S, 153.0 E, h=43 km, M=6.4								
SSH	eP	20-56-28	47.1					
	eS	21-03-21						
	L _m				5.2	12		16
NJI	eP	20-56-45	49.4					
	eS	21-03-53						
WCH	L _m				5			15
	P	20-57-01	51.5					
	S	21-04-20						
CNH	L _{mN}				6.7			10
	P	20-57-28	55.1					
	eS	21-05-12						
	L _m			6.0				14

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eP	20-57-34	55.9					20
	eS	21-05-23						
XAN	L _m		56.6			16.4		
	P	20-57-39						
KMI	S	21-05-27	57.4					15
	+ P	20-57-44						
CDU	L _m	21-18-05	58.7	8.4				
	P	20-57-54						
BTO	S	21-05-53	59.7					
	- eP	20-58-01						
LSA	L _m	21-06-13	68.3			10		17
	eP	20-58-57						
WMQ	P	59-42	76.0					
	S	21-09-28						
KSH	L _m		83.2			8		16
	- P	00-21						

28. H=01-10-24.1, 5.1 S, 152.9 E, h=33 km, M=6.4

SSH	eP	01-18-55	47.2					15
	S	25-47						
NJI	L _m		49.2			15.2		15
	eP	19-12						
WCH	eS	26-16	51.4					16
	L _m							
CNH	L _m		54.8			9.4		16
	eP	19-27						
BJI	S	26-45	56.2					19
	L _m							
KMI	L _m		57.4			29		19
	- iP	19-53						
KMI	eS	27-33	54.8					16
	L _m							
KMI	L _m		56.2			12		16
	eP	20-03						
KMI	S	27-50	57.4					16
	L _m							
KMI	L _m		57.4			13.3		16
	- P	20-11						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	S	28-03	58.7	12.4				15
	L _m	38-16						
	P	20-21						
BTO	S	28-20	60					
	+ P	20-30						
	S	28-42						
LZH	PKPPKP	49-57	61.8		15.5			16
	L _m							
	+ P	20-42						
LSA	P	21-26	68.7					
WMQ	P	22-10	76.1					
KSH	S	31-58	83.5		8			14
	sS	32-16						
	L _m							
	- P	22-50						
	S	33-12						
	L _m			15				19

29. H=22-18-20.1, 52.1 N, 173.4 E, h=42 km, M=5.7

CNH	+iP	22-24-49	32.5					
BJI	L _m					1.8		14
	+eP	25-55	40.3					
SSH	eS	31-52						
	L _m				2.1	2.6		13
	+ P	26-19	43.1					
NJI	S	32-46						
	+ P	26-24	43.8					
BTO	eS	32-56						
	+ P	26-25	43.9		0.3	0.6		6
WCH	S	32-56						
	P	26-54	47.5					
XAN	S	33-50						
	L _m				1.7			14
	eP	27-23	51.4					
	S	34-38						

七月

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	L _m				2.0	3.3		16
	eP	27-42	53.8					
	eS	35-16						
WMQ	iP	27-47.5	54.7				0.34	1.4
	pP	27-57						
KMI	S	35-27						
	eP	28-16	58.7					
	S	36-24						
LSA	L _m	54-50			2.3			16
	iP	28-42.5	62.8					

30. H=06-18-12.0, 4.5 S, 152.9 E, h=42 km, M=5.7

SSH	+ P	06-26-40	46.8					
NJI	+ P	26-56	48.8					
	eS	33-54						
WCH	P	27-11	50.9					
	L _m					9.1		24
CNH	+ iP	27-37	54.4					
BJI	+ P	27-47	55.6					
	eS	35-28						
	L _m				3.6	3.5		23
XAN	P	27-52	56.4					
	S	35-41						
KMI	L _m				5.1	5.2		22
	+ P	27-57	57.0					
	S	35-47						
CDU	L _m	50-10		3.1				18
	P	28-06	58.4					
BTO	eS	36-02						
	+ iP	28-15	59.5				0.9	7
	eS	36-21						
LSA	L _m				5.7	4.8		25
	P	29-13	68.5					
WMQ	P	29-56	75.8				0.35	1.5



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
30. H=13-23-58.3, 6.0 S, 151.5 E, h=33 km, M=5.3								
SSH	+ P	13-32-27	46.9					
	eS	39-11						
NJI	+ P	32-43	48.9					
	eS	39-44						
WCH	P	32-56	50.8					
	L _m				2.5			16.5
CNH	eP	33-28	54.9					
BJI	eP	33-35	55.9					
	R _m				1.8	0.9		16
XAN	P	33-38.2	56.4					
	eS	41-27						
	L _m				1.4	1.7		16
KMI	eP	33-41	56.7					
	eS	41-34						
BTO	eP	34-01	59.7					
	eS	42-04						
	S _m	42-29			0.8	0.5		12
	L _m	14-01-41			2	1.8		16
WMQ	P	13-35-41.4	75.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
2. H=07-24-55.1, 41.2N, 143.7E, h=60 km, M=7, M _{SH} =7.4(BTO)								
CNH	- iP	07-28-08	13.9					
	eS	30-42						
	L _m					116		15
BJI	- iP	29-32	20.8					
	S	33-13						
SSH	- P	29-31	20.7					
	S	33-12						
NJI	- P	29-43	22.1					
	eS	33-35						
	L _m					103		16
BTO	- iP	30-16.8	25.7					
	S	34-32						
	iS	34-40.3						
	S _m	34-48			54	100		N 13 E 15 19
WCH	L _m	37-54			365			
	- iP	30-24	26.4					
	S	34-49						
CDU	L _m					114		13
	iP	31-31	34					
	S	24-41						
KMI	- iP	32-06	38.1					
	L _m			147				17
WMQ	- iP	32-32	41.4					
	S	38-40						
	S _m					26		9
	L _m							19
2. H=16-56-31, 35.8N, 124.3E, M=4.0								
SSH	eP _n	16-57-51	5.2					
	\bar{P}	58-07						
	(\bar{S})	59-15						
	R _m	17-00-57				2		10
NJI	eP _n	16-58-02	5.9					
	\bar{P}	58-20						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eS _n	59-19	7.8		1.2			6
	\bar{S}	59-44						
	L _m							
CNH	eP _n	58-29	7.9			1.0		13
	R _m	17-02-32						
WCH	P _n	16-58-30	10.0			2.1		4
	\bar{S}	17-00-53						
	L _m							
BTO	eP	16-58-59	11.9			1.3		11
	Lg ₂	17-01-51						
	L _m							
KMI	eP	16-59-34	21.3	0.7				10
	Lg ₂	17-03-02						
	L _m							
	eS	01-22						
	eS	05-24						

3. H=17-55-42, 40.9N, 112.4E, h=10 km, M=4.7

BTO	-i \bar{P}	17-56-17.8	1.8					
	i \bar{S}	56-41.7						
	\bar{S}_m							
BJI	P _n	56-31.5	2.8			3.2		1.0
	\bar{P}	56-38						
	\bar{S}	57-16						
XAN	\bar{S}_m		7.3			3.7		0.5
	eP _n	57-33.1						
	\bar{S}_m							
							2.1	1.2

7. H=03-37-27, 23.9N, 103.2E, M=4.6

KMI	\bar{P}	03-37-53	1.4					
	\bar{S}	38-11						
	L _m	38-22						
CDU	eP _n	39-06	6.7	28.3				7
WCH	+ P _n	39-20	11.1					
BTO	eP	41-30	17.3					
	L _m					0.9		11

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eP L _m	41-58	19.5			1.0		10
9. H=02-54-36.7, 36.2 N, 52.7 E, h=27 km, M=5.8								
WMQ	P L _m	03-00-21.4	26.8					6
BTO	eP L _m	02-46.5	43.9	8.2				17
BJI	eP L _m	03-30	49.3		4.9			17
WCH	eP eS L _m	03-51 11-51	52.1					13
CNH	eP L _m	04-30	57.4	3.2				12
9. H=20-01-38.2, 5.8 S, 152.2 E, h=24 km, M=6.2								
SSH	- P	20-10-10	46.7					
NJI	- P	10-28	48.9					
WCH	+ P eS L _m	10-40 17-57	50.5					15
KMI	+ P S L _m	11-24 19-17 36-57	56.4	9.5				16
CDU	P S	11-33 19-35	57.7		7.7			
BTO	+ P eS L _m	11-45.2 19-54	59.4					17
10. H=04-23-56.0, 5.7 S, 152.1 E, h=33 km, M=5.5								
NJI	+ P	04-32-47	49.7					
WCH	P eS	32-59 40-11	51.3					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	L _m	33-24	54.7		3.1			16
	eP							
BTO	L _m	34-02	60.0		2.3			16
	eP							
WMQ	L _m	35-41.6	77.8		2.5			18
	P							
	L _m				1.2			11

10. H=14-37-54.0, 5.3 S, 153.5 E, h=38 km, M=5.7

SSH	+ P	14-46-30	47.8					
NJI	+ P	46-49	50.3					
	L _m					3.7		15
WCH	P	47-06	52.5					
	S	54-27						
BJI	L _m	47-40	57.2		5.6			15
	eP							
KMI	+ P	47-48	58.3		3			16
	L _m	15-06-26			5.8			20
CDU	P	14-47-55	59.3					
	S	55-57						
BTO	eP	48-04	60.6					
	eS	56-10						
WMQ	L _m	49-45	77.0		3.4			17
	eP							
	S			59-27				
	L _m				2.4			16

11. H=13-14-16.9, 32.2 N, 138.1 E, h=380 km, M_p=5.6(WMQ)

SSH	- P	13-17-20	13.8					
CNH	- iP	17-33	14.9					
	iS	20-13						
NJI	- P	17-42	15.7					
BJI	- P	18-13	18.8					
	eS	21-27						

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	ScS	28-59	19.7					
	- P	18-22						
WMQ	S	21-48	33.0					1.6
	P	20-21.5						
	P _m				0.4			

12. H=04-17-05.6, 12.6N, 95.1E, h=40 km, M=5.5

KMI	- P	04-20-32	14.6					11
	L _m				9.5			
CDU	P	21-35	19.7					
	S	25-19						
WCH	+ P	22-31	25.3					13
	L _m			10				
NJI	eP	23-14	30					10
	L _m				4			
WMQ	P	23-29.3	31.9					
	S	28-37						
	L _m			1.8				11
BJI	eP	23-40	33					13
	L _m			5.0				
CNH	- iP	24-34	39.4					10
	L _m			1.9				

13. H=16-48-46.5, 6.1S, 154.1E, h=21 km, M=6.0

SSH	+ iP	16-57-32	48.9					17
	iS	17-04-32						
	L _m				5			
NJI	+ P	16-57-49	51.2					8
	S	17-05-02						
	S _m			8				
WCH	L _m			2.5				17
	+ iP	16-58-04	53.2					20
	S	17-05-30						
CNH	L _m					10.8		
	P	16-58-26	56.2					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	eS	17-06-12	57.8			1.3	15	
	L _m							
KMI	+eP	16-58-38	59.4			7.3	21	
	eS	17-06-34						
CDU	L _m		61.0	4.7			18	
	+iP	16-58-59						
BTO	S	17-07-12	62.0					
	+iP	16-59-06						
WMQ	eS	17-07-26	78.4				16	
	L _m							
KSH	P	00-46	85.8			5.7	9	
	S	10-35						
	S _m			1.7			15	
	L _m							
	P	01-24						
	S	11-49						

14. H=00-15-17.8, 14.9 S, 167.2 E, h=120 km, M=5.7

SSH	- P	00-25-38	64				
	S	34-02					
NJI	eP	25-51	65.8				
	L _m			2			15
WCH	eP	26-06	68				
	S	34-56					
CNH	L _m			2.3			16
	P	26-16	69.3				
BJI	-eP	26-31	72				
	L _m			2.0			16
KMI	eP	26-44	74.5				

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CDU	iS	36-13	76					
	eP	26-53						
BTO	S	36-22	76.5					
	eP	26-56						
WMQ	P _m		90.8				0.9	5
	P	28-17.8						

14. H=09-01-31.3, 15.7 S, 178.6W, h=33 km, M=6.5(XAN)

SSH	P	09-13-11	75.0					
NJI	eP	13-24	77.4					
CNH	eP	13-31	78.6					
WCH	P	13-39	80.0					
BJI	P	13-52	82.6					
XAN	P	14-13	86.8					
	L _m			7				10
KMI	eP	14-21	88.5					
CDU	P	14-23	88.8					
WMQ	eP	15-39	106					

15. H=12-14-29.3, 21.9 N, 121.8 E, h=28 km, M=5.1

SSH	eP	12-16-42	9.2					
	L _m					5.2		10
NJI	eP	16-59	10.4					
	L _m					7.8		9
WCH	eP	17-05	10.8					
XAN	eP	18-23	12.1					
KMI	+ P	18-39	18.1					
	PP	18-55						
	S	22-10						
BJI	L _m	28-13		2.9				10
	eP	18-47	18.8					
	eS	22-17						
BTO	L _m					2.1		9
	eP	19-14	21.2					
	L _m			9.2				12

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	P	19-22	22.1					
	L _m				2.7			10
LSA	P	20-26	28.8					
WMQ	eP	21-27	35.8					
	S	27-04						
	L _m				1.6			10
KSH	eP	22-26	42.8					
16. H=04-58-00.6, 28.9N, 103.8E, h=33 km, M=5.9								
CDU	P _n	04-58-31	1.7					
KMI	+iP _n	59-01	3.9					
	\bar{P}	59-11						
	S _n	59-48						
	\bar{S}	05-00-00						
	L _m	00-28		100				7
XAN	+P _n	04-59-38	6.7					
	L _m			65				5
LZH	eP _n	59-45	7.1					
	e \bar{P}	05-00-18						
	S _n	01-06						
	i \bar{S}	01-56						
	Q _m	02-23						9
WCH	+P	00-17	9.3					
	Lg ₂	03-04						
	L _m			65				6
GZH	+P	00-27	10.4					
LSA	+P	00-39	11.1					
	iS	02-42						
BTO	+iP	00-58	12.7					
	eS	03-24						
	Lg ₂	04-46						
	L _m			33				8
NJI	eP	01-10	13.3					
	eS	03-42						
	L _m			33				6

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	+eP	01-33	15.1					10
	pP	01-40						
	eS	04-29						
	Lg ₂	06-21						
	L _m			21				
SSH	eP	01-36	15.2					9
	L _m			48				
WMQ	+ P	02-28	19.7					12
	S	06-04						
	L _m			15				
CNH	+iP	03-02	22.8					11
	eS	07-06						
	Lg ₂	10-35						
	L _m			9.5				

16. H=05-26-41.5, 21.7 N, 121.8 E, h=33 km, M=5.0(BJI, BTO)

SSH	Lg ₂	05-31-40	9.2					
NJI	eP	29-25	11.3					
WCH	eP	29-29	11.6					
BJI	eP	31-08	19.5					
	L _m			4.2				13
BTO	eP	31-25	21.0					
	L _m			19				13

16. H=18-53-53.6, 28.9 N, 103.8 E, h=33 km, M=5.7

KMI	+ P _n	54-52	3.9					9
	+ \bar{P}	55-04						
	S _n	55-44						
	\bar{S}	55-56						
	L _m	56-10		81				
XAN	+ P _n	55-32	6.7					
	L _m			51				6
LZH	P _n	55-38.5	7.2					
	e \bar{P} _Z	56-06						
	\bar{P} _E	56-10						



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	S _n	57-00						
	i _z	57-35						
	i \bar{S}	57-49						
	Q _m	58-20			36	83		8
	+ P	56-07	9.3					
GZH	S	57-53						
	Lg ₂	58-55						
	L _m			39				6
LSA	+ P	56-20.8	10.4					
BTO	eS	56-32	11.2					
	eP	58-41						
	P _m	56-51.8	12.7				0.06	1
	P _m	56-57			0.4	0.2	0.7	7
NJI	i	59-10						
	iS	59-16						
	iLg ₂	03-00-47						
	L _m				29			12
	- P	02-57-03	13.3					
BJI	eS	59-38						
	Lg ₂	03-01-14						
	L _m			44				8
	+ P	02-57-26	15.1					
SSH	pP	57-34						
	eS	03-00-17						
	Lg ₂	02-13						
	L _m				15			10
WMQ	eP	02-57-29	15.2					
	S	03-00-22						
	Lg ₂	02-17						
CNH	L _m			24				6
	+iP	02-58-21	19.7					
	S	03-01-58						
CNH	Lg ₂	04-36						
	L _m			14				12
	P	02-58-56	22.8					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
16. H=22-37-33.6, 28.9 N, 103.7 E, h=33 km, M=5.4								
CDU	\bar{P}	22-38-06	1.8					
	\bar{S}	38-30						
KMI	+ P _n	38-32	3.9					
	\bar{P}	38-44						
	\bar{S}	39-27						
	L _m	39-47		37.3				8
XAN	+ P _n	39-12.3	6.8					
	S _n	40-31						
	\bar{S}	41-13						
	L _m			11.4				7
LZH	P	39-19.5	7.1					
WCH	+ P	39-49	9.4					
	S	41-33						
	Lg ₂	42-33						
	L _m			31				6
GZH	P	40-01	10.4					
LSA	+ P	40-11	11.1					
	S	42-13						
BTO	+ P	40-32	12.7					
NJI	eP	40-45	13.4					
	eS	43-18						
	Lg ₂	45-00						
	L _m			12				5
BJI	eP	41-07	15.1					
	Lg ₁	45-35						
	Lg ₂	45-49						
	L _m			6.3				10
SSH	eP	41-09	15.3					
	eS	44-04						
	Lg ₁	45-36						
	Lg ₂	45-55						
	L _m			10				8
WMQ	eP	42-01	19.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	S	45-37	22.8	1.9				7
	L _m							
	+iP	42-36						
	eS	46-41						
	L _m			6.3				10
17. H=09-36-15.6, 29.0N, 103.8E, h=33 km, M=5.0								
CDU	\bar{P}	09-36-47	1.7					
	\bar{S}	37-11						
KMI	+ P _n	37-17	3.9					
	\bar{P}	37-26						
XAN	L _m	39-04		17				6
	P _n	37-53	6.7					
	S _n	39-10						
GZH	L _m			17				4
	P	38-43	10.4					
WCH	- P	38-31	9.3					
	L _m			15				8
LSA	+ P	38-55.4	11.2					
BTO	+ P	39-14	12.7					
	Lg ₂	42-54						
NJI	L _m			4.4				8
	eP	39-40	13.3					
BJI	L _m			6				8
	eP	39-48	15.0					
SSH	eS	42-35						
	L _m			5.0				11
			15.2					
WMQ	L _m			6				9
	eP	40-41	19.7					
CNH	+iP	41-16	22.7					
	S	45-25						
	L _m			1.5				11
17. H=17-07-40, 28.7N, 103.7E, M=4.7								
CDU	-i \bar{P}	17-08-13	1.8					
	i \bar{S}	08-38						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	+ P _n	08-39	3.9					6
	\bar{P}	08-51						
	S _n	09-27						
	\bar{S}	09-40						
XAN	L _m	09-59	5.3					
	P _n	09-19.6	6.8					
	S _n	10-37						
\bar{S}	11-18							
WCH	L _m		9.4				3.5	
	P	09-56	9.4					
	S	11-39						
BTO	L _m			10.5				6
	eP	10-40	12.7					
	Lg ₂	14-26						
NJI	L _m			2				7
	L _m		13.4	5.5				
SSH	eP	11-29	15.3				5	
	eS	14-25						
WMQ	L _m		2.5				8	
	P	12-08	19.6					
	L _m							
CNH	eP	12-43		22.8				9
	L _m		0.9					

19. H=08-28-56.2, 24.1N, 121.7E, h=30 km, M=5.9

SSH	+ P	08-30-37.5	7.0				6
	S	31-54					
	L _m			40			
NJI	+ P	30-56	8.4				9
	S	32-29					
	L _m			50			
WCH	+ P	31-07	9.2				6
	S	32-49					
	Lg ₂	33-50					
	L _m			59			

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	P	32-27	14.9					6
	L _m			58				
BJI	eP	32-50	16.6					12.5
	sP	33-03						
	S	35-58						
CDU	L _m			24				
	P	32-56	17.0					
BTO	+iP	33-21	19.2					11
	eS	36-57						
	L _m			33				
CNH	-iP	33-27	19.9					14
	eS	37-10						
	L _m			41				
LSA	+iP	34-47	27.8					
WMQ	+ P	35-39	34.1					12
	S	41-06						
	L _m			11				
KSH	+ P	36-40	41.3					
	eS	42-53						

19. H=11-12-40.7, 21.9N, 121.8E, h=15 km, M=5.1

SSH	eP	11-14-56	9.1					8
	eS	16-36						
	L _m			6				
NJI	eP	15-13	10.3					8
	eS	17-03						
	L _m			8				
WCH	P	15-23	11.0					9
	S	17-23						
	L _m			12.4				
KMI	+ P	16-50	17.7					12
	L _m	25-22		5.6				
CDU	P	16-56	18.1					
	S	20-11						
BJI	eP	16-58	18.3					

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台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	eS	20-16						
	L _m			4.4				13
	eP	17-31.5	21.4					
CNH	eS	21-21						
	L _m			24				14
	P	17-36	28.0					
LSA	S	21-27						
	L _m			3.8				16
	+P	18-39	28.4					
WMQ	P	19-40.4	28.5					
	S	25-09						
	L _m					2.5		12
KSH	eP	20-38	42.4					
19. H=22-15-37.7, 49.3N, 155.4E, h=33 km, M=6.1								
CNH	+iP	22-20-22	21.1					
	iS	24-05						
	L _m			33				16
BJI	+P	21-37	29.0					
	eS	26-19						
	R _m			32				18
SSH	+iP	21-59	31.5					
	L _m			10				14
	+iP	22-06	32.3					
NJI	eS	27-09						
	L _m			8				14
	+iP	22-09	32.7					
BTO	L _m			33				13
	+iP	22-38	36.0					
	S	28-11						
WCH	ScS	32-53						
	L _m			27				18
	eP	22-48	37.2					
CDU	iP	23-34	42.7					
WMQ	+iP	23-56	45.5					



台名	震相	G.M.T. h-m-s	△ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	PP	25-36	47.2	24				13
	S	30-28						
	ScS	34-13						
	L _m							
	+iP	24-10						
LSA	PP	26-02	51.9	15				18
	S	30-56						
	L _m	45-14						
	+iP	24-45						
KSH	iP	25-10	55.2					

20. H=21-36-09.6, 13.4N, 92.4W, h=33 km, M=6.2

BJI	PP	21-56-28	119	3				20
	L _m							
BTO	PP	56-36	120.8	4.3				23
	eSS	22-13-17						
WMQ	L _m			7.6				18
	PKP	55-04	122					
	PP	56-44						
	SKKS	03-39						
SSH	SS	13-04						
	L _m							
SSH	PP	21-56-55	123.5					
NJI	PP	57-00	124.5					
XAN	ePKP	55-15	127					
WCH	PKP	55-17	128.5	3				17
	PP	57-26						
	PKS	58-38						
	L _m							
LSA	PKP	55-22	130					
CNH	PP	57-55	132.5					
KMI	+ PKP	55-36	138.5	4.9				22
	PP	58-30						
	L _m	22-07-31						

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
23. H=04-08-02.0, 4.0 S, 146.1 E, h=33 km, M=6.7								
SSH	+ P	04-15-54	42.3					
	S	22-12						
	L _m			52				16
NJI	+ P	16-11	44.4					
	eS	22-42						
	L _m			24				14
WCH	+ P	16-24	46.0					
	S	23-06						
	L _m			32				13
CNH	P	17-05	51.3					
	S	24-21						
	L _m			27				17
KMI	+ P	17-05	51.3					
	S	24-23						
	L _m			13				13
XAN	eP	17-06	51.4					
	S	24-24						
BJI	+eP	17-07	51.6					
	eS	24-26						
	L _m			42				18
CDU	P	17-16	52.7					
BTO	+ P	17-34	55.2					
	S	25-13						
	L _m			49				18
LSA	+ P	18-24	62.2					
WMQ	+eP	19-17	70.8					
	eS	28-29						
	L _m			16				17

23. H=05-36-10.5, 29.0 N, 103.7 E, h=33 km, M=5.4

CDU	P _n	05-36-40	1.7					
KMI	P _n	37-11.8	3.9					
XAN	eP _n	37-46	6.7					



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
LZH WCH	S _n	39-08						
	\bar{S}	39-50						
	L _m			28				6
	P _n	37-55	7.1					
	eP	38-29	9.4					
GZH LSA BTO	S	40-20						
	Lg ₂	41-23						
	L _m			42				8
	P	38-40	10.3					
	+ P	38-51	11.1					
NJJ	+ eP	39-12	12.7					
	eS	41-37						
	Lg ₂	43-00						
	L _m			11				8
	eP	39-27	13.4					
BJJ	eS	42-04						
	L _m			16				7
	eP	39-45	15.1					
SSH	eS	42-38						
	L _m			13				12
	eP	39-45	15.3					
WMQ	eS	42-39						
	L _m			14				8
	eP	40-39.4	16.1					
CNH	S	44-15						
	L _m			4.5				10
	iP	41-16	22.8					
	S	45-25						
	L _m				4.0		9	

23. H=21-55-26.0, 44.2N, 150.7E, h=30 km, M=6.0

CNH	+ iP	21-59-28	17.4					
	S	22-02-49						
BJJ	L _m			33				14
	+ P	00-49	25.1					

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
SSH	eS	05-16						
	L _m			27				16
NJI	+ P	01-01	26.3					
	S	05-32						
BTO	L _m			17				16
	+ P	01-09	27.2					
WCH	eS	05-49						
	L _m			21				18
XAN	+ P	01-25.5	29.0					
	ePP	02-18						
CDU	L _m			32				16
	+ P	01-44	31.1					
KMI	L _m				11.3	16.1		18
	+ P	01-59	32.9					
WMQ	L _m			9.8				16
	+iP	02-45	38.3					
LSA	S	08-41						
	+iP	03-21	42.6					
KSH	PP	05-03						
	S	09-47						
SSH	ScS	13-16						
	L _m	23-51		6.4				16
NJI	P	03-23.6	43.0					
	S	09-49						
WCH	SS	13-18						
	L _m			17				16
SSH	+ P	04-03	47.9					
	P	04-38	52.5					
KSH	S	12-05						

24. H=13-29-12.8, 5.5 S, 152.9 E, h=36 km, M=5.4(BTO)

SSH	- P	13-37-49	47.8					
NJI	P	38-04	49.7					
WCH	eP	38-17	51.4					
	L _m			1.3				13



台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	iP	38-47	55.3					
KMI	- P	39-03	57.7					
BTO	eS	47-00						
	eP	39-21	60.4					
WMQ	eS	47-32						
	L _m			1.5				16
	P	41-00.7	76.5					

24. H=16-33-22.7, 52.2N, 91.4E, h=33 km, M=6.0

WMQ	- P	16-35-28.5	8.7					
	S	37-24.7						
KSH	L _m			38				6
	+ P	37-18	16.8					
BTO	iS	40-25						
	eP	37-20	17.0					
	P _m	37-30		1.6	1	0.9	1.6	10
	S	40-25						
BJI	iLg ₂	42-25						
	Q _m	42-52			13	13		12
	+ eP	38-04	20.8					
	eS	41-56						
XAN	L _m				17	17	23	9
	eP	38-15	22.0					
LSA	L _m			13.1				8.5
	+ P	38-21.4	22.6					
CDU	P	38-32	23.7					
CNH	iP	38-37	24.2					
	L _m			13				11
WCH	P	39-05	26.0					
	L _m			4.1				9
NJI	eP	39-14	28.1					
	L _m			5				12
SSH	+ P	39-31	30.0					
	eS	44-27						
	L _m			12				12

台名	震相	G.M.T. h-m-s	Δ (度)	A(μ)				T (秒)
				A _H	N-S	E-W	U-D	
28. H=15-57-48.1, 28.3N, 131.2E, h=80 km, M=5.4								
NJI	+ P	16-00-26	11.2					
	pP L _m	00-34		7				13
WCH	P	01-18	15.2					
	L _m			15.4				11
CNH	P	01-35	16.5					
	S L _m	04-36		10.2				13
BJI	eP	01-40	16.9					
	L _m				8.3	8.4		13
BTO	eP	02-27	21.2					
	R _m	12-35			2.8	5.9	6.7	13
WMQ	P	05-01.1	38.4					
	PP	06-36						
	L _m			5.4				13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
3. H=18-42-19, 28.8N, 103.6E, M=4.2								
KMI	eP _n	18-43-16	3.6					
	\bar{P}	43-25						
	\bar{S}	44-12						
XAN	L _m	44-27		3.2				5
	P _n	43-55.4	6.3					
	S _n	45-11						
WCH	\bar{S}	45-51		1.4				1.4
	\bar{S}_m							
	P	44-43	9.7					
BTO	L _m					2.0		6
	eP	45-17	12.2					
	eLg ₂	49-01						
NJJ	R _m			0.7				8
	Lg ₂	49-33	13.3					
	L _m					1.3		6
BJI	L _m					0.6		9
SSH	L _m					0.6		8
WMQ	P	46-45	19.0					
4. H=01-10-36, 29.0N, 103.6E, M=4.4								
KMI	P _n	01-11-35	3.4					
	+ \bar{P}	11-47						
	(S _n)	12-20						
	\bar{S}	12-32						
XAN	L _m	13-18		4.6				5
	P _n	12-10.6	6.2					
	\bar{P}	12-34						
	S _n	13-25						
WCH	\bar{S}	14-03						
	\bar{S}_m			1.03				1.1
	eP	12-27.5	8.8					
	S	14-27						
LSA	L _m			3.2				6
	eP	13-12	10.6					
BTO	eP	13-31	12.0					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	iS	44-33	23.4					10
	+iP	40-32						
WCH	P _m				12	28	23	
	S	44-47						
	- P	40-59	26.2					
XAN	S	45-36						
	L _m			87	125			12
CDU	P	41-10	27.4					
	P _m						16.3	8
WMQ	P	41-58	32.8					
	S	47-17						
	P	42-38	37.5					
KMI	PP	44-18						
	S	48-33						
	S _m							
	+ P	42-40	37.7		58			13
LSA	PP	43-14						
	S	48-27						
	S _m	48-41			23			8
LSA	L _m	57-25				132		14
	iP	43-18.5	42.4					

6. H=12-00-24, 26.4N, 101.8E, M=4.5

KMI	- P _n	12-00-57	1.6					
	\bar{p}	01-00						
	\bar{S}	01-21						
CDU	L _m	01-25				28		6
	eP _n	00-36	5.1					
XAN	eP	02-51.5	8.9					
	P _m				0.4	0.9		N1.8 E1.4
WCH	S	04-35						
	L _m				2.0	1.5		10
	eP	03-22	11.1					
	eS	05-27						
WCH	L _m					2.2		10

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	e(P)	04-06	14.4					
NJI	L _m				0.6			11
SSH	L _m				0.6			8
BJI	L _m				0.7			13
6. H=13-37-10.2, 46.7N, 141.8E, h=20 km, M=6.1								
CNH	- iP	13-39-58	11.5					
	eS _N	42-06						
	M ₂	42-52						
	iLg ₂	43-24						
	Rg	44-31						
	R _m	44-41				60		10
BJI	- P	41-38	19.2					
	S	45-16						
	Li	47-06						
	Lg ₂	47-52						
	ScS	53-05						
	R _m				24			11
SSH	- P	42-04	21.6					
	S	46-04						
	L _m				10.2			11
NJI	- P	42-11	22.4					
	eS	46-14						
	R _m				0.4	13.5		12
BTO	eP	42-18	23.1					
	eS	46-26						
	R _m					3.0		10
WCH	P	42-47	26.1					
	S	47-19						
	Lg ₂	51-22						
	R _m	54-04			21	16		11
XAN	eP	42-57	27.2					
	S	47-37						
	R _m				7.3	12.4		N 11 E 10
CDU	P	43-45	32.5					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	P	44-23	37.0					
	PP	45-56						
	S	50-08						
KMI	+ P	44-24	37.1					
	S	50-10						
	L _m	52-58		15.8				12
	Lg ₂	57-23						
	M ₂	56-01						
LSA	R _m	14-00-36			29		10	
	P	13-45-04	41.7					

8. H=11-48-20.9, 46.4N, 141.2E, h=0 km, M=6.7

CNH	-iP	11-51-10	11.8					
	P _m					15.6	9	
BJI	- P	52-50	19.3					
	S	56-29						
	R _m			49	330		N 5 E 11	
SSH	- P	53-15	21.6					
	iS	57-13						
	L _m			79	96		11	
NJI	- P	53-22	22.5					
	S	57-25						
	L _m			80	45		13	
BTO	-eP	53-31	23.3	2.3	6.1	8.3	8	
	L _m			38	45	38	12	
WCH	P	53-59	26.0					
	S	58-29						
	L _m			83			13	
XAN	- P	54-09	27.3					
	S	58-55						
	L _m			213	169		17	
WMQ	P	55-35.5	37.0					
	PP	56-04						
	S	12-01-26						
KMI	-iP	11-55-38	37.4					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)			
				A _H	N-S	E-W	U-D				
LSA	P _m	55-41	42.2				5.4	6			
	PP	57-01									
	S	12-01-20									
	S _m	01-28							8		
	L _m	12-59							92		
	iP	11-56-16									
8. H=16-59-51.3, 46.4N, 141.1E, h=40 km, M=6.5											
CNH	- iP	17-02-37	11.8					10			
	L _m								107		
BJI	- P	04-18	19.3								
	S	07-52									
	R _m		41						5		
SSH	- P	04-42	21.6								
	iS	08-37									
	L _m		43						50	12	
NJI	- iP	04-48	22.5								
	iS	08-50									
	L _m		54						14		
BTO	eP	04-57	23.3				7.5	7			
	S	09-11									
WCH	- iP	05-26	26.0								
	S	09-51									
	L _m		62						11		
XAN	- P	05-37	27.3								
	S	10-14									
	L _m		112						120	15	
CDU	P	06-24	32.5								
	S	11-36									
	WMQ	P	07-05						37.0		
KMI	S	12-55	36.9								
	R _m								52	64	N 13 E 14
	P	07-04									
	P _m	07-08							3.8	6	
	PP	08-29									



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
LSA	S	12-48	42.0		44			13	
	L _m	24-27							
	P	07-44							
9. H=23-01-20.0, 43.5 N, 149.5 E, h=0 km, M=6.2									
CNH	- iP	23-05-20	17.0						
	iS	08-37							
	L _m								82
BJI	eP	06-41	24.4						
	eS	11-09							
	R _m								21
SSH	- P	06-50	25.3						
	S	11-24							
	L _m								17
NJI	eP	07-01	26.5						
	eS	11-41							
	L _m								10.3
BTO	+ P	07-19	28.6						
	S	12-16							
	L _m								18.3
WCH	+ P	07-36	30.4						
	S	12-43							
	L _m								24
XAN	eP	07-50.4	32.0						
	S	13-12							
	L _m								9
CDU	P	08-38	37.6						
	S	14-33							
	eP	09-12							41.7
KMI	S	15-37							
	L _m	30-02							
	+ iP	09-20							
WMQ	S	15-52							
	R _m								

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
14. H-03-11-04.5, 23.0N, 100.9E, h=33 km, M=6.2								
KMI	- P _n	03-11-49.5	2.7					
	P*	11-53						
	\bar{P}	11-57						
	\bar{P}_m	11-58			14.7	15		4
	S*	12-29						
	\bar{S}	12-33						
	L _m	13-17				123		8
CDU	P	13-02	8.2					
LSA	P	13-43	11.1					
LZH	+ P	14-15	13.3					
	S	16-39						
	Lg ₂	18-21						
	Q _m	18-47						14
WCH	eP	14-23	14.2					
	eS	17-00						
	L _m					56		10
NJI	(P)	15-16	18.3					
	Q _m	21-26			48			12
BTO	- iP	15-27	19.2					
	Lg ₂	21-43						
	R _m				86	152		15
SSH	(P)	15-36	19.8					
	L _m					50		11
BJI	- P	15-54	21.4					
	eS	19-52						
	Q _m	23-21						
	R _m	24-44			29	18		N 10 E 11
WMQ	eP	16-15	23.5					
	S	20-25						
	R _m				48			12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
14. H=05-20-29.3, 6.5 S, 151.5 E, h=33 km, M=6.3								
SSH	- P	05-29-01	47.2					
	PP	30-46						
	L _m					15		16
NJI	- iP	29-18	49.5					
	S	36-20						
	L _m				13			17
WCH	- P	29-33	51.4					
	eS	36-50						
	L _m					19.2		19
CNH	- iP	30-00	55.1					
	iS	37-45						
	L _m					12		17
BJI	- P	30-10	56.4					
	S	38-01						
	R _m				11.5			16
XAN	- iP	30-12.8	56.7					
	S	37-59						
	L _m				5.7	2.6		N 12 E 10
CDU	iP	30-24	58.8					
	S	38-26						
BTO	- iP	30-36.6	60.1					
	P _m	30-44			2.0	2.2	5.4	7
	S	38-44						
	S _m	38-58			3.1			9
	R _m	52-13			21	17		18
	R _{mz}	52-16					25	18
LSA	iP	31-29	68.3					
WMQ	- iP	32-16	76.4					
	S	41-58						
	S _m					8.7		12
	L _m				8			17

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
15. H=13-29-34.4, 31.5N, 140.0E, h=72 km, M _{SH} =6.2								
SSH	- eP	13-33-20	16.4					
	pP	33-31						
	sP	33-49						
	S	36-36			5.7			8
CNH	R _m			9	8		10	
	- iP	33-29	17.2					
	sP	33-57						
	S	36-53			14.3			9
L _m				9.2			11	
NJI	- P	33-46	18.6					
	sP	34-18						
	iS	37-20				12		8
	L _m				4			10
BJI	+ eP	34-16	21.5					
	pP	34-43						
	eS	38-16			8.8	8.2		N 8 E 10
WCH	- P	34-27	22.6					
	sP	34-58						
	S	38-35				28		10
BTO	eP	34-59	26.0					
	sP	35-27						
	eS	39-32						
	S _m	39-56			4	21		N 10 E 12
	L _m	46-27			8.6	14.2		15
CDU	R _{mz}	46-23				15.5	15	
	P	35-48	31.4					
	S	40-51						
WMQ	P	37-24		42.8				
	S	43-59			1.5			8
	R _m				4.2			10

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
15. H=14-55-02.2, 39.1N, 143.9E, h=50 km, M=6.4								
CNH	+iP	14-58-28	14.6					
	iS	15-01-14						
SSH	R _m					84		14
	P	14-59-35	20.1					
BJI	R _m			68	43			14
	+iP	59-47	21.2					
NJI	R _m				64			14
	+P	59-49	21.4					
WCH	R _m			26				13
	+iP	15-00-31	25.7					
BTO	S	04-56			55			12
	+iP	00-34.1	26.0					
XAN	P _m	00-41		0.4	7.2	9.5		8.5
	R _{mE}	11-13			140			15
	R _{mz}	11-16				145		15
CDU	+iP	00-57	28.6					
	L _m			19	47			N 14 E 12
KMI	iP	01-39	33.3					
	L _m			134	139			N 13 E 11
WMQ	P	02-15	37.5					
	S	08-00						
	L _m	19-19		36				13
LSA	+iP	02-53	42.1					
	S	09-12						
SSH	R _m			30.4	19.7			12
	iP	03-11	44.4					
16. H=06-22-37.6, 5.9S, 130.7E, h=115 km, M _{PZ} =6.6, M _{SH} =6.2								
SSH	+P	06-29-47	37.8				3.8	4
	sP	30-24						
	S	35-26				3.8		9
NJI	+iP	29-59	39.4					
	sP	30-37						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	iS	35-49	39.5			4.2		5
	i	39-52						
	+iP	30-00						
XAN	sP	30-38	41.4			9		11
	iS	35-51						
	i	39-50						
CDU	+iP	30-14	44.3		3.3	7.2		5
	sP	31-23						
	S	37-05						
BJI	+iP	30-40	47.5				4.5	3
	iS	37-01						
	+iP	31-05						
BTO	sP	31-48	49.7			5.2		8
	S	37-47						
	ScS	40-43						
LSA	+ P	31-22.4	51.8					1.3
	P _m	31-25				0.6		
	P _m	31-24			1.6	0.8	3.7	
WMQ	sP	31-51	62.8					9
	iS	38-21						
	S _m	38-27			2.1	5.0	1.9	
WMQ	i	39-46	51.8					7
	iScS	40-58						
	iP	31-38						
SSH	+iP	32-54.1	62.8					13
	S	41-10.5						
	S	41-10.5			8.0			

24. H=01-09-57.4, 39.3N, 143.6E, h=40 km, M=6.2

SSH	eP	01-14-32	20.3					13
	S	18-13						
BJI	R _m			22	21			N 13 E 15
	eP	14-39	20.9					
NJI	R _m			21	54			13
	eP	14-43	21.3					
	R _m			14				

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	P	15-24	25.5					
	S	19-24						
	R _m					41		14
BTO	+ P	15-25	25.6					
	P _m	15-36			0.3	3.1	4.3	9.5
	R _m	25-51			27	103		15
	R _{mz}	25-54					58	15
XAN	eP	15-49	28.2					
	S	20-33						
	L _m				15.4	3.7		13
CDU	+iP	16-35	33.4					
	L _m				58	73		12
KMI	+ P	17-09	37.5					
	PP	18-35						
	S	22-51						
	L _m	33-09			22.6			15
WMQ	+iP	17-44.3	41.7					
	S	24-02						
	L _m				21.8			14
LSA	iP	18-04	44.1					

24. H = 11-43-22, 46.0 N, 123.4 E, M = 4.4

CNH	+iP _n	11-43-43	2.5					
	\bar{P}	43-48						
	iS _n	44-14						
	i \bar{S}	44-21						
BJI	\bar{S}_m				24		0.5	
	eP _n	45-24	8.0					
	\bar{S}	47-45						
Q _m	48-11			2.5	2.3		8	
BTO	(P)	46-05	11.2					
	Lg ₂	49-27						
	R _m	50-32				1.0		10
WMQ	e(P)	48-49	25.0					
	Q _m	57-42			3			9

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
25. H=04-36-14.0, 6.5 S, 146.6 E, h=115 km, M _{PZ} =6.7, M _{SH} =6.2								
SSH	-iP	04-44-17	45					
NJI	P	44-34	47				8.8	7
WCH	-iP	44-44	47.9				10	7
	sP	45-18						
	S	51-38						
KMI	-iP	45-23	53.3					
	P _m	45-29					12	6
	pP	45-52						
	PP	47-22						
	S	52-40						
CNH	sS	53-38						
	SS	56-19						
	-iP	45-26	54.0				8.3	5
XAN	pP	45-54						
	-iP	45-27	54.2				14	5
BJI	eS	53-01						
	-iP	45-28	54.4					
CDU	eS	52-52				5.7		9
	R _m				11.1			17
	-iP	45-36	55.4					
BTO	S	53-11						
	-iP	45-54.3	57.9					
LSA	P _{m1}	45-57			0.54	0.16	0.62	1.5
	P _{m2}	45-59			3.2	2.5	7.5	6
	isP	46-28						
	iPP	48-34						
	PP _m	48-41			2.4	2.4	4.6	H 6 Z 8
	iS	53-46						
	S _m	53-52			3.4	5.5		N 10 E 9
	isS	54-29						
	L _m	05-04-41				7.0		13
	WMQ	iP	04-46-41	64.5				
	P	47-33.2	73.3					



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	P _m						6.5	6
	S	56-52				5.7		9
27. H=19-01-41.6, 46.4N, 141.4E, h=0 km, M=6.5								
CNH	-iP	19-04-31	11.8					
BJI	eP	06-09	19.3					
	S	09-49						
SSH	R _m			110				13
	eP	06-36	21.6					
NJI	R _m				13	33		12
	eP	06-42	22.5					
BTO	S	10-47						
	L _m				37			14
	eP	06-49	23.3					
	P _m	06-58			1.1	2.7	4.0	8.5
	S _Z	10-58						
	S _{NE}	11-04						
	S _m	11-19			13	18	13	12
	Lg ₂	14-15						
WCH	R _m	16-27				76		10
	P	07-17	26					
	S	11-49						
	L _m					56		13
XAN	eP	07-28	27.3					
	S	12-08						
CDU	L _m				95	36		N 17 E 15
	eP	08-16	32.5					
KMI	S	13-28						
	- P	08-56	37.4					
	PP	10-26						
	S	14-44						
WMQ	L _m	33-37			47			14
	P	08-56	37.4					
	PP	10-22						
	S	14-45						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	R _m				57			13
27. H = 22-20-03.2, 3.3 S, 148.1 E, h = 33 km, M = 6.3								
SSH	+ P	22-28-00	42.3					
	R _m					13.3		12
NJI	+ P	28-16	44.3					
	eS	34-55						
	L _m				11.5			19
WCH	eP	28-31	46.1					
	S	35-24						
	L _m				38			19
BJI	eP	29-12	51.5					
	eS	36-38						
	R _m				12.5			16
XAN	eP	29-14	51.7					
	L _m				11.4			16
KMI	eP	29-18	52.2					
	S	36-45						
	L _m	48-48			10			17
CDU	P	29-27	53.5					
	S	37-00						
BTO	eP	29-38	55					
	eS	37-22						
	S _m	37-41			5	5		18
	R _m	51-05			10	20		17
LSA	eP	30-35	63.2					
WMQ	P	31-21.4	70.5					
	R _m				8.5			16
30. H = 21-31-25.9, 61.6 N, 140.3 E, h = 33 km, M = 6.4								
CNH	- iP	21-35-57	19.9					
	i	39-42						
	L _m				118			10
BJI	- iP	37-00	26.6					
	i	41-35						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	L _m		27.9		29			10
	eP	37-15						
	eS _N	41-57						
	i	46-02						
	iLg ₂	46-33						
	Q _m	46-45			16	34		12
WMQ	R _{mz}	48-19	28.3				10	6
	+iP	37-19						
	S	43-57						
	L _m			14				7

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

3. H=13-24-37.0, 14.7 S, 171.7 E, h=10 km, M=6.5

SSH	+ P	13-35-31	66.5					
	iS	44-22						
	L _m					12		16
NJI	eP	35-54	70.2					
	L _m				6.2			18
WCH	+ P	35-59	71.0					
	iS	45-16						
	L _m					48		23
CNH	+ P	36-04	71.9					
	iS	45-30						
	S _m					8.1		11
BJI	+eP	36-33	77					
	R _m			24				20
XAN	eP	36-32	76.9					
	S	46-21						
	L _m			48				23
KMI	eP	36-42	78.6					
	L _m			17.9				20
	eP	36-45	79.1					
BTO	S	46-44						
	L _m					29		25
	eP	37-39	89.8					
LSA								
	+iP	38-05	95.4					
WMQ								
	R _m				8.1			16

4. H=01-30-34.1, 5.8 S, 154.2 E, h=74 km, M=6.6

SSH	+iP	01-39-11	48.5					
	PcP	40-40						
	PP	41-03						
	S	46-06						
	L _m					27		18
NJI	+iP	39-29	50.7					



台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	eS	46-40						
	L _m				22.5			21
	+iP	39-43	52.6					
CNH	S	47-03						
	L _m					6.5		22
	+iP	40-07	55.9					
BJI	PPP	43-28						
	S	47-50						
	L _m					34		19
XAN	+iP	40-18	57.4					
	S	48-11						
	R _m			35.6				20.5
KMI	iP	40-24	58.3					
	L _m			55				18.5
	+P	40-29	58.9					
CDU	PPP	44-05						
	S	48-31						
	L _m			54				20
BTO	P	40-37	60.1					
	+iP	40-45	61.4					
	iS	49-04						
LSA	L _m					37		20
	+P	41-41	70					
	+iP	42-24	77.5					
WMQ	pP	42-35						
	S	52-12						
	ScS	52-36						
	R _m			27				20

7. H=15-28-04, 38.1N, 102.5E, h=20 km, M=4.3

BTO	+ P _n	29-46	6.4				
	P̄	30-05					
	eS _n	31-02					

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	e \bar{S}	31-29	6.7	0.09				0.7
	\bar{S}_m							
WMQ	\bar{P}	30-11	12.3	0.23				0.7
	\bar{S}	31-39						
	\bar{S}_m							
	-eP	31-03						
	eS	33-26						
	\bar{S}_m			0.11				1.2

9. H=13-15-30, 24.3N, 121.7E, h=30 km, M=5.3

SSH	eP	13-17-08	6.8					
	eS	18-15						
NJI	L_m			14				6
	eP	17-27	8.1					
	eS	18-52						
WCH	L_m			14				6
	P	17-42	9.0					
	eS	19-19						
XAN	L_m			18.5				5
	-iP	19-01	14.8					
	eS	21-49						
BJI	L_m			16.5				6
	+ P	19-19	16.3					
	pP	19-27						
CDU	S	22-18						
	L_m			3.9				8
	P	19-30	16.9					
KMI	- P	19-36	17.3					
	L_m			15				10
BTO	+iP	19-51	19.0					
	S	23-18						
CNH	+iP	19-56	19.7					
	pP	20-04						
	PP	20-16						
	iS	23-29						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	L _m			2.7				6
LSA	+ P	21-21	27.7					
WMQ	+iP	22-12	33.9					
	pP	22-20						
	S	27-28						

10. H=18-25-14.6, 23.0N, 96.0E, h=33 km, M=5.7

KMI	+ P _n	18-27-00	7.1					
	\bar{P}	27-17						
	S _n	28-14						
	L _m			31				17
LSA	+iP _n	27-12	8.1					
	S _n	28-44						
CDU	P	27-51	10.9					
	S	29-51						
XAN	eP	28-56	15.8					
	eS	31-49						
	Lg ₁	33-36						
	L _m			30.1				10.5
WCH	P	29-28	18.3					
	S	32-51						
	L _m			31.2				8
BTO	+eP	30-00	21.2					
	eS	33-49						
	Q _m			25.4				10
WMQ	+iP	30-07	21.8					
	iS	34-07						
	Q _m				9.1			12
NJI	eP	30-12	22.5					
	L _m				5.0			10
SSH	eP	30-28	24.1					
	S	34-42						
	L _m			11				11.5
BJI	+iP	30-33	24.5					
	iS	34-52						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	R _m			9.0				10
	+iP	31-34	31.4					
	eS	36-52						
	L _m				3.9			11
14. H=12-55-23.3, 23.1N, 95.8E, h=63 km, M=5.9								
KMI	- P _n	12-57-02	6.8					
	- \bar{P}	57-21						
	L _m				31.1			7
LSA	+iP _n	57-18	8.0					
	iS _n	58-51						
XAN	+ P	59-00	15.6					
	PP	59-11						
	S	13-01-48						
WCH	L _m			47.2				10
	P	12-59-33	18.3					
	S	13-02-57						
BTO	L _m				29			9
	+ P	00-04	21.1					
	S	03-54						
WMQ	L _m			37				10
	P	00-11.6	21.8					
	S	04-12.4						
NJJ	Q _m				12.3			12
	- P	00-17	22.5					
	eS	04-20						
SSH	- P	00-34	24.2	13				9
	S	04-51						
	L _m				10			9
BJJ	eP	00-36	24.4					
	eS	04-54						
	R _m					11.2		11.5
CNH	eP	01-43	32.5					
	S	06-52						
	L _m					6.5		11

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
16. H=05-15-25, 6.0 S, 154.5 E, h=76 km, M=6.5								
SSH	+ P	05-24-03	48.5					
	pP	24-19						
	S	31-02						
	sS	31-22						
	L _m			5.4				23
NJI	+ P	24-20	50.6					
	eS	31-33						
	L _m			5.5				24
WCH	+ P	24-35	52.6					
	pP	24-48						
	S	32-00						
	sS	32-25						
	L _m				3.4			23
CNH	+ P	24-58	56					
	eS	32-40						
	L _m					5.0		20
BJI	+eP	25-09	57.4					
	eS	32-40						
	R _m			5.1				19.5
XAN	+iP	25-15.4	58.4					
	S	33-12.4						
	L _m			6.9				8
BTO	+ P	25-37	61.4					
	S	33-51						
	L _m			5				20
LSA	+iP	26-33	70.2					
WMQ	+ P	27-15	77.6					
	eS	37-03						
	L _m			6				23

16. H=08-33-22, 43.5 N, 111.3 E, M=4.3

BTO	+iP _n	08-34-17.1	3.2					
	iP̄	34-24.6						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	iS _n	34-52.7	5.0			5.6	6	
	iS	35-01.2						
	L _m							
	P	35-02						
XAN	S	36-07	9.4		1.9	2.4	8	
	L _m							
	Lg ₂	38-27						
CNH	e(P)	35-47	10.1					
CDU	eLg ₂	38-56	13.8					
	eLg ₁	40-46						
20. H=08-40-20.3, 22.2N, 121.4E, h=35 km, M=5.6								
SSH	eP	08-42-28	8.9					
	Lg ₂	45-02						
	L _m							
NJI	eP	42-45	10.1			18	8	
	Lg ₂	45-39						
	L _m							
WCH	eP	42-49	10.4			28	8	
	eS	44-42						
	L _m							
XAN	-iP	44-06	16.1			24.6	9	
KMI	+P	44-22	17.4					
	PP	44-42						
CDU	L _m	52-02	17.7	17.7			12	
	P	44-26						
	S	47-43						
BTO	+P	45-01	20.7					
CNH	P	45-12	21.8					
	S	49-05						
	L _m	55-25						
LSA	P	46-12	28.2			11.2	13	
WMQ	P	47-14	35.2					
	PP	48-38						
	S	52-45						
	Q _m					7.6	13	

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
21. H = 08-22-45.7, 24.8 N, 125.3 E, h = 63 km, M = 4.4								
NJI	eP	08-24-58	9.2					
	L _m			1.3				4
WCH	P	25-26	11.3					
	L _m			1.1				12
BJI	+ P	26-42	17.2					
XAN	eP	26-42	17.2					
CNH	P	27-03	18.9					
BTO	P	27-18	20.3					
	L _m					0.92		14
KMI	eP	27-22	20.6					
LSA	P	28-58	30.9					
WMQ	P	29-41	35.8					
23. H = 22-33-30.9, 11.8 N, 142.5 E, h = 28 km, M = 6.5								
SSH	P	22-39-16	27.4					
	S	43-53						
	R _m	49-33			58			19
NJI	- P	39-38	29.9					
	PP	40-33						
	eS	44-30						
	L _m			20.2				16
WCH	- P	39-58	32.2					
	PP	41-04						
	S	45-08						
	L _m					64		19
CNH	P	40-26	35.4					
	PP	41-43						
	iS	45-58						
	R _m	55-35				43.3		16
BJI	- P	40-38	36.9					
	iS	46-19						
	R _m	56-36			67			17
XAN	iP	40-49	38.1					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	S	46-36	40.5	51	43			16.5
	L _m							
	- P	41-08						
BTO	S	47-10	40.9	51	30.4			15
	L _m	53-29						
	- P	41-11						
LSA	S	47-19	50.9	51				16.5
	R _m							
WMQ	P	42-31	56.7					
	P	43-14						

24. H=01-37-30.4, 11.8N, 142.3E, h=33 km, M=6.5

SSH	P	01-43-15	27.4	48.6	27	65.5		17
	S	47-52						
	Q _m							
NJI	R _m		30	59				18
	P	43-35						
	PP	44-28						
WCH	eS	48-27						
	Q _m							20
	R _m			82				20
CNH	P	43-58	32.1					
	PP	45-02						
	S	49-08						
BJI	R _m							19
	P	44-22	35.3					
	PP	45-43						
XAN	S	49-53						
	R _m			60				17
	eP	44-35	36.7					
XAN	eS	50-15						
	R _m							18
	+ P	44-45	38		74			
	S	50-32						
	L _m			35				15.5

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	+ P	45-05	40.5					16
	S	51-07						
	L _m							
BTO	P	45-08	40.8					15.5
	S	51-16						
	L _m							
LSA	eP	46-30	50.8	48.4				18
WMQ	P	47-14	56.7					
	S	55-02						
	R _m				41.5			

24. H=02-21-02.3, 11.9N, 142.3E, h=33 km, M=6.0

SSH	+ P	02-26-47	27.4					14
	S	31-25						
	R _m							
NJI	+iP	27-07	30					17
	PP	28-00						
	eS	31-59						
	R _m			16				
WCH	+ P	27-29	32.1					15
	L _m							
BJI	+iP	28-07	36.7					17
	S	33-46						
	R _m							
KMI	eP	28-37	40.5					16
	S	34-39						
	L _m	40-52						
BTO	+iP	28-41	40.8					15
	S	34-48						
	L _m							
LSA	P	30-01	50.9	14.7				16
WMQ	+ P	30-44	56.7					
	S	38-35						
	R _m					8.8		

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
25. H=03-46-36.3, 13.1 S, 166.5 E, h=34 km, M=6.0								
SSH	+ P	03-56-54	61.8					
	eS	04-05-12						
	L _m			4.3				16
NJI	+iP	03-57-10	64.3					
	eS	04-05-38						
	L _m			6.3				18
WCH	+ P	03-57-23	66.3					
	eS	04-06-04						
	L _m				8.3			19
CNH	P	03-57-35	68.2					
	eS	04-06-33						
	R _m			5.5				18
BJI	+iP	03-57-35	68.2					
	eS	04-07-03						
	L _m			4.7				18.5
XAN	+iP	03-57-59	72.2					
	S	04-07-18						
	L _m			2.9				10.5
BTO	+ P	03-58-16	75					
	S	04-07-47						
	L _m			6				18
LSA	+iP	03-59-07	84.6					
WMQ	+iP	59-40	91.6					
	SKS	04-10-10						
	R _m				2.4			16
27. H=17-58-36.9, 15.5 S, 167.2 E, h=40 km, M=7.2								
SSH	+ P	18-09-09	64					
	S	17-46						
	L _m				60			20
NJI	+ P	09-23	66.2					
	sP	09-34						
	S	18-12						



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	L _m				34			20
	P	09-35	68.0					
	sP	09-50						
CNH	S	18-37						
	L _m			205				23
	P	09-50	70.5					
BJI	sP	10-05						
	S	19-03						
	L _m			64				19
XAN	+ P	10-04	72.8					
	sP	10-17						
	S	19-30						
KMI	R _m				86			20
	+ iP	10-12	74.1					
	S	19-42						
BTO	L _m			126				21
	+ P	10-16	74.8					
	sP	10-30						
CDU	iS	19-53						
	L _m					94		23
	P	10-28	77.0					
LSA	sP	10-42						
	PP	13-20						
	S	20-17						
WMQ	L _m			77				20
	iP	10-26	76.8					
	iS	20-11						
WMQ	L _m							23
	P	11-16	86.2					
	+ P	11-49	93.2					
WMQ	sP	12-05						
	R _m					100		22

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	

28. H=15-13-37.8, 5.5 S, 153.9 E, h=120 km, M=6.6

SSH	+ P	15-22-04	47.5					
	L _m					29		17
NJI	eP	22-24	50.6					
	pP	22-47						
	L _m				35			15
WCH	eP	22-38	51.8					
	L _m					61		20
CNH	eP	23-03	55.8					
	L _m				16.2			16
BJI	eP	23-12	56.9					
	R _m				22			18
XAN	eP	23-19	57.9					
	L _m			13				6.0
KMI	+ P	23-23	58.4					
	sP	24-12						
	S _m			5.1				11
CDU	P	23-35	60.3					
	S	31-38						
	L _m			16				6.5
BTO	eP	23-40	60.8					
	L _m			17.6				16
LSA	eP	24-36	69.6					
WMQ	eP	25-19	77.2					
	R _m				44			20

28. H=18-00-00.5, 13.4 S, 166.4 E, h=33 km, M=6.3

SSH	+iP	18-10-20	62					
	S	18-40						
	L _m					8.2		17
NJI	+ P	10-36	64.4					
	eS	19-10						
	L _m				11.3			18
WCH	P	10-49	66.4					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	S	19-38	68.3	70	12.3	6.4	16	
	L _m							
BJI	+iP	11-00	71.0	70	12.3	6.4	16	
	S	19-56						
XAN	L _m		72.3	70	12.3	6.4	16	
	+iP	11-16						
KMI	P	11-24	73.4	70	12.3	6.4	16	
	S	20-47						
CDU	L _m		74.5	70	12.3	14.7	21	
	+P	11-30						
BTO	S	20-59	75.2	70	12.3	14.7	21	
	L _m							
LSA	iP	11-38	84.8	11.8	12.3	14.7	18.5	
	S	21-12						
WMQ	P	11-41	91.7	11.8	12.3	14.7	18.5	
	S	21-16						
	R _m		11.8	11.8	12.3	14.7	18.5	
	P	12-32						
	+iP	13-05	11.8	11.8	12.3	14.7	18.5	
	SKS	23-36						
	R _m		11.8	11.8	12.3	14.7	18.5	
				10			19	

29. H=06-00-00, 32.7N, 104.2E, M=4.5

CDU	eP	06-00-45	2.1				
	S	01-12					
XAN	iP _n	01-14	4.4				
	P	01-26					
WCH	S	02-21		0.52			0.8
	S _m						
BTO	eP	02-16	8.8				
	eS	03-55					
	eLg ₂	04-56	8.9				

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
30. H=20-48-47.8, 22.9N, 121.4E, h=35 km, M=6.0								
SSH	eP	20-50-47	8.1					
	eS	52-25						
	L _m				33		12	
NJI	eP	51-03	9.4					
	eS	52-50						
	L _m			21			13	
WCH	P	51-08	9.9					
	PPP	51-22						
	eS	52-59						
XAN	L _m				81		12	
	- P	52-27	15.6					
	S	55-24						
KMI	L _m			57			12	
	- P	52-48	17.2					
	L _m				29.3		12	
CDU	P	52-49	17.3					
	S	56-05						
BJI	+ eP	52-53	17.6					
	S	56-11						
	R _m				18		14	
BTO	+ P	53-20	20.1					
	eS	56-58						
	Lg ₁	58-59						
	Lg ₂	59-36						
CNH	L _m			48.3			14	
	eP	53-33	21.1					
	eS	57-25						
LSA	L _m				22		13.5	
	+ iP	54-39	28.1					
	+ P	55-36	33.4					
WMQ	S	21-01-04						
	L _m			21.7			14	



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
1. H=05-29-58.5, 44.2N, 85.0E, h=33 km, M=5								
WMQ	+iP _n	05-30-33.6	2.0		0.5	3.3	4.0	4
	\bar{P}	30-39						
	\bar{S}_E	31-02						
	\bar{S}_N	31-03						
	L _m				37.4			5
KSH	eP	32-16	8.2					
	eS	34-00		11.3				4
BTO	eP	34-16	18.8					
	eLg ₂	39-54						
	e _z	40-18						
	Q _m	40-44			3.1			10
	R _{mz}	42-00					4.8	14
XAN	eP	34-40	21.1					
	eLg ₁	40-59						
	Lg ₂	41-13						
	L _m				2.0	0.9		7
BJI	eP	35-08	23.4					
	Lg ₂	42-39						
	R _m				1.7	1.0		N10 E12
KMI	- P	35-11	23.9					
WCH	eP	35-38	26.9					
	eS	40-18						
	L _m	44-29			1			9
NJI	eLg ₂	45-53	29					
	L _m				0.7			12
CNH	eLg ₂	45-52	29					
	Q _m				2.6			9
SSH	e(P)	36-16	30.9					
	e(Lg ₂)	46-47						
	R _m					0.8		12

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
3. H=06-20-02, 28.9N, 103.6E, M=4								
KMI	eP _n	06-21-02.5	3.5					
	\bar{P}	21-11						
	S _n	21-47.5						
	\bar{S}	21-57						
XAN	L _m	22-12			2.3		7	
	eP _n	21-39	6.5					
	S _n	22-55						
	\bar{S}	23-34						
WCH	L _m				1.6		4	
	eP	22-23	9.5					
	L _m			1.5			9	
BTO	e	23-04	12.4					
	eLg ₂	26-51						
	L _m			0.4			9	
4. H=20-12-19, 28.8N, 103.5E, M=4.9								
KMI	+ P _n	20-13-20	3.4					
	\bar{P}	13-29						
	S _n	14-03						
	\bar{S}	14-13						
XAN	L _m				10		5	
	P _n	14-00	6.5					
	S _n	15-16						
	\bar{S}	15-57						
LZH	\bar{S}_m	16-11		7.5	5.2		3	
	e	14-13	7.0					
	(S _n)	15-47						
	\bar{S}	16-17						
WCH	R _m			4.2	4.0		8	
	eP	14-37	9.3					
	eS	16-19						
	Lg ₂	17-21						
LSA	L _m				6.0		8	
	eP	14-59	10.9					
BTO	e(P)	15-18	12.6					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	e(S)	17-42	13.5			2.5	2.4	8
	Lg ₂	19-10						
	L _m	20-48						
	R _m	21-23						
BJI	e(P)	15-34	15.2			4.4		5
	Lg ₂	19-45						
	L _m							
SSH	eP	15-59	15.3		1.9	1.8		10
	Lg ₂	20-42						
	Q _m	21-11						
WMQ	e(Lg ₂)	20-44	19.3			1.9		8
	L _m							
CNH	P	16-48.1	20.6			1.1		8
	Q _m							
	eP	17-05						
	Lg ₂	23-44	20.6					6
	L _m	28-59						
	L _m							

8. H=03-06-36.4, 27.1N, 54.5E, h=36 km, M=6.3

KSH	eP	03-11-29	22.1					10
	S	15-30						
	L _m							
WMQ	eP	12-59.5	32.2			79	133	15
	PP	14-05						
	eS	18-08						
LSA	Q _m		32.5			41	17	15
	eP	13-05.2						
KMI	+ P	14-40	43.8					14
	eS _E	20-56						
	S _N	21-03						
XAN	L _m	36-10	47.1				6.4	14
	eP	15-07						
	ePP	16-58						
	S	21-57						
	L _m					34	0.4	N21 E20

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)	
				A _H	N-S	E-W	U-D		
BTO	eP	15-10	47.5			1	1.2	1	
	PP	17-02							
	eS	22-03							
	R _m	36-02			25	12			18
	R _m	37-01			27	9			15
BJI	eP	15-47	52.4						
	ePP	17-46							
	eS	23-09							
WCH	R _m	39-18		10.7			13.5		
	P	15-48	52.5						
	S	23-10							
L _m					38		22		
NJI	eP	16-12	55.8						
	eS	23-54							
	L _m	42-15			4.9			15	
SSH	+ P	16-28	57.2						
	S	24-24							
	L _m	41-10			14			17	
CNH	eP	16-30	57.4						
	PP	18-41							
	eS	24-28							
	L _m	40-38			19			15	
8. H=09-23-20, 44.4N, 119.2E, M=4.6									
CNH	eP _n	09-24-28	4.3						
	\bar{P}	24-44							
	eS _n	25-17							
	e \bar{S}_E	25-39							
	\bar{S}_N	25-40							
	\bar{S}_m	25-50				7.4		2	
BJI	\bar{S}_m	25-55				6.4	2		
	P _n	24-39	5.1						
	\bar{P}	25-00							
	\bar{S}	26-06							
	\bar{S}_m				4.0	4.7		0.5	
L _m					5.3		6		

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	eP	25-27	7.6					8
	S	27-31						
	L _m				2.2	1.9		
XAN	eP	26-54	12.8					7
	L _m					1.0		

20. H=07-28-01, 23.4 S, 179.9 E, h=551 km, M_{SH}=6.5

SSH	- P	07-39-06	77.1					6
	pP	40-58						
	iS	48-16						
	S _m			5.1				
NJI	- P	39-19	80.8					8
	pP	41-12						
	PPP	44-13						
	iS	48-41						
WCH	S _m				3.8			6
	P	39-28	82.6					
	pP	41-23						
	SKS	48-56						
CNH	S	49-03						
	S _m				7.5			
	+iP	39-34	83.8					
	pP	41-28						
iSKS	49-02							
iS	49-14							
TIA	sS	52-43						5
	S _m			7.9				
	eP	39-37	85.0					
	pP	41-29						
iSKS	49-06							
iS	49-18							
BJI	+ P	39-49	86.8					5
	pP	41-45						
	iSKS	49-22						
	iS	49-44						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WCH	+iP	07-44	65.4					14
	pP	08-10						
	S	16-19						
	L _m					32		
TIA	iP	07-52	66.8					19
	pP	08-19						
	iS	16-36						
	sS	17-18						
CNH	+iP	07-54	67.0					15
	pP	08-21						
	iS	16-39						
	L _m	23-12		39.6				
BJI	+iP	08-10	69.6					8
	pP	08-36						
	PPP	12-34						
	iS	17-11						
XAN	S _m				9.3			18
	R _m			52.3				
	+iP	08-20	71.4					
	pP	08-47						
P _m		35.8						
iS	17-30							
KMI	sS	18-14						11
	S _m			23				
	+iP	08-28	72.6					
	pP	08-55						
P _m		22.9						
iS	17-47							
BTO	+iP	08-36	73.9					4
	iS	18-02						
	sS	18-44						
	P _m			23.2				
LSA	L _m					111		26
	+iP	09-30	83.9					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	pP	09-57	90.5					
	+iP	10-01						
	pP	10-27						
	iSKS	20-17						
	iS	20-47						
	sS	21-32						
KSH	P _m			19.3				6
	L _m			41.3				17
	iP	10-38	98.6					
	P _m			6.6				7

22. H=00-46-11.1, 52.3 N, 174.3 E, h=43 km, M=5.7

CNH	+iP	00-52-44	33						
	sP	52-58							
	PP	53-56							
	PPP	54-09							
	eS	57-59							
	sS	58-15							
	L _m					6.8			16
BJI	+iP	53-52	41						
	sP	54-10							
	iPP	55-30							
	S	01-00-02							
	sS	00-17							
	SSS	03-38							
SSH	R _m			4.6				14.5	
	+iP	00-54-06	42.6						
	iS	01-00-45							
sS	01-03								
BTO	P _m					3.7		4	
	+iP	00-54-20	44.4						
	sP	54-34							
	P _m				4.2				5
	PP	56-05							
iS	01-00-52								

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	sS	01-08	44.4	13				16.5
	SS	04-13						
	Q _m							
	+iP	00-54-20						
	sP	54-35						
	PcP	56-02						
	PP	56-11						
WCH	eS	01-00-55	48.3		1.0			12
	sS	01-12						
	L _m							
	P	00-54-51						
XAN	S	01-01-50	49.1	3.8				15
	L _m							
	+iP	00-54-57						
	sP	55-13						
WMQ	PP	56-55	55.0				2.8	4
	eS	01-02-03						
	P _m							
	+iP	00-55-41						
	sP	55-56						
	PP	57-46						
	eS	01-03-21						
KMI	esS	03-37	59.2				0.53	1.4
	P _m							
	+P	00-56-11						
LSA	L _m		63.0		2.2			16
	P	56-37						
KSH	iP	56-46	64.4					16.5
	L _m							

24. H=19-35-29.1, 52.9N, 159.2E, h=106 km, M=7.0

CNH	+iP	19-40-34	23.9	49.5				6
	iS	44-45						
	S _m							
	L _m							
					326			18

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BJI	+ P	41-44	31.6					
	PPP	43-14						
	S _m			23.7				7
	R _m			320				16
TIA	P	42-00	33.4					
	L _m					87		18
BTO	+ P	42-13	34.9					
	S _m					14.3		10
	L _m					69		13
SSH	+ P	42-14	35.0					
	eS	47-42						
	S _m					17.5		9
	L _m			64			12	
NJI	+ P	42-18	35.5					
	eS	47-51						
	S _m					23		8
	L _m				55		13	
WCH	+iP	42-54	39.8					
	L _m					150		17
XAN	+ P	42-55	39.9					
	S	48-57						
	S _m					13.6		7
	L _m			261			15	
LZH	+iP	43-09	41.8					
	PP	44-56						
	L _m					104		13
WMQ	+iP	43-47	46.4					
	S _m					43.4		7
	L _m				136			14
KMI	+iP	44-15	50.0					
	L _m					65.0		13
LSA	eP	44-44	53.8					
	sP	44-50						
KSH	iP	44-58	55.8					
	L _m					26.6		10



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)				
				A _H	N-S	E-W	U-D					
2. H = 17-18-32.8, 43.7N, 152.1E, h=0 km, M=6.4												
CNH	- iP	17-22-53	18.6		3.0	12.3	11.5	6				
	PP	23-12										
	iS _N	26-25										
	S _m	27-07							63	10		
	R _m								95	15		
BJI	- P	24-10	26.1		0.7	1.8	2.4	4				
	P _m	24-18							5.1	11.7	17.6	10
	PP	25-01										
	S	28-49										
	S _m	29-21							14.7	37.2	10	
	R _m	36-41								91	18	
	R _m	36-37									136	19
SSH	- iP	24-19	27.1		0.6	1.9	2.7	4				
	S	29-03										
	S _m	29-16							11.7	11		
	L _m	37-26							14.2	29	15	
NJI	- P	24-28	27.9		0.6	1.9	2.8	9				
	P _m	24-34								5.7	7	
	PP	25-26										
	S	29-22										
	S _m	29-59								13.4	11	
	R _m	38-54							26.4	48	N17 E16	
BTO	- iP	24-48	30.6		1.2	2.9	4.0	9				
	P _m	24-54								9.0	8	
	PP	25-45										
	iS _E	29-54										
	iS _N	29-56										
	S _m	30-17							11.4	10.3	8.2	H10 Z9
WCH	- P	25-02	31.9		1.0	1.9	2.0	8				
	P _m	25-07							2.4	3.0	6.0	8
	eS	30-22										
	S _m	30-30							12.3			14

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	L _m	43-27	34.0			37		16
	-iP	25-20			1.3	1.2	3.6	9
	P _m	25-27			2.9	3.0	8.7	9
LZH	S	30-54	36.5					
	L _m	41-18			20.5			13
	-iP	25-42						
	PP	27-15						
	S _N	31-32						
KMI	S _E	31-36	43.4					
	S _m	31-57			11			10
	L _m					16		15
	-P	26-39			0.5	0.5	1.9	4
WMQ	PP	28-22	44.1					
	L _m	47-37			21			17
	-P	26-44.9			1.3	2.3	4.0	8
	P _m	26-52			6.2	10.5	19.6	8
	S	33-28						
LSA	S _m	33-46	48.9			17.5		10
	R _m	47-21			55	27		N 16 E 14
	-iP	27-22.5						
KSH	iP	27-59	53.8					N 16 E 14
	L _m	54-00			31			

4. H=02-25-51.5, 6.0 S, 154.6 E, h=78 km, M=6.2

SSH	+iP	02-34-30	48.9					
	P _m	34-32			1.4	1.4	4.0	H 8 Z 7
	eS _N	41-14						
	sS	41-48						
WCH	L _m	53-54	53.1			7.7		14
	+iP	35-02			1.1	2.1	4.3	5
	P _m	35-04					5.0	7
	pP	35-15						
	eS	42-18						
	sS	42-52						
	R _m	58-49			10.1	12.9		N 17 E 20

台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	iP	35-23	56.0		1.2	0.8	3.0	8
	pP	35-36						
	eS	43-01						
	L _m	55-30			13.3			
BJI	+ P	35-36	57.8		1.0	1.3	2.2	7
	P _m				1.1	1.4	3.1	8
	eS _N	43-26						
	S _m	43-32				2.3		11
	sS	44-02						
XAN	R _m	03-00-19			7	9.9		N18 E20
	+ P	02-35-43	58.7		1.1	1.3	4.3	6
	P _m	35-45			1.2	1.8	5.1	6
	eS	43-37						
	sS	44-08						
R _m	58-39				11.7			20
KMI	+iP	35-48	59.6		0.7	1.6	3.9	4
	S	43-54						
	sS	44-15						
	L _m	03-02-11					11.6	18
BTO	+iP	02-36-04	62.0		1.1	1.2	2.5	7
	P _m	36-06			1.3	1.5	3.6	8
	eS	44-14						
	S _m					4.9		
LZH	R _m	03-03-36			9.7	13.7		N16 E18
	+iP	02-36-15	63.7					
	eS	44-29						
	sS	45-11						
LSA	+iP	37-00.4		70.6				
WMQ	+iP	37-42.2	78.1					
	isP	38-00						
	S	47-29						
	sS	47-52						
	L _m						14.7	
	PKPPKP	03-04-48						
KSH	iP	02-38-22	85.5					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	P _m SKS	48-47					7.9	5

5. H=05-50-05.8, 49.6N, 129.5W, h=5 km, M=6.0

CNH	eP	06-00-57	66.1					
	eS	09-51						
	S _m	09-57			1.3	1.1		11
	R _m				2.0	4.5		16
BJI	eP	01-43	73.6					
	S	11-19						
	S _m	11-23				1.4		11
	R _m	27-06			4.6	2.9		N20 E17
SSH	eP	02-05	77.5					
	eS	12-02						
	S _m	12-11				1.3		11
	L _m				1.3	1.5		15
NJI	+ P	02-07	77.9					
	eS	12-07						
	S _m	12-15				1.2		10
	L _m					3.3		16
WMQ	P	02-24	81.0					
	eS	12-37						
	S _m	12-50			1.8			11
	L _m				3.6	2.7		16
XAN	eP	02-27	81.6					
	eS	12-44						
	L _m				2.4			13

7. H=06-23-11.8, 3.7N, 128.0E, h=69 km, M=5.5

SSH	+iP	06-28-58	28.0		1.1	0.3	2.8	3
	P _m						3.2	5
	sP	29-18						
	eS _E	33-37						
	eS _N	33-40						
	sS	34-03						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	L _m	38-59	29.6		2.0	2.3		10
	+iP	29-12		1.1	0.4	3.4	4	
	P _m					2.9	6	
	eS	33-59						
WCH	sS	34-18	29.8					
	L _m	38-43			2.8		11	
	+iP	29-13.5		1.6	1.5	3.2	4	
	sP	29-34						
	S _N	34-06						
XAN	sS	34-27	35.0					
	L _m			8.1			18	
	+iP	30-00		2.0	1.2	4.5	3	
	P _m	30-01		2.0	1.8	4.4	4	
	ePP	31-30						
	S	35-26						
BJI	sS	35-49	37.7					
	L _m			3.9			11	
	+iP	30-23		2.5	1.2	4.1	3	
	sP	30-38						
	eS _N	36-08						
LZH	sS	36-27	39.5					
	R _m	51-00		1.8	1.6		17	
	+iP	30-36.7						
	sP	30-58						
CNH	S	36-35	39.9					
	sS	36-54						
	+iP	30-41		1.8	0.3	2.8	4	
	P _m	30-42		1.7	0.5	2.4	6	
BTO	eS	36-35	40.3					
	L _m				2.4		13	
	+iP	30-43		1.3	0.9	3.0	4	
	P _m	30-44		1.5	0.9	3.5	5	
	sP	30-59						
	S	36-42						
	sS	37-09						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
LSA	L _m				1.6	2.5		N 14 E 16
	+iP	31-12	43.6					
WMQ	+iP	32-27.8	53.5		1.7	1.4	4.3	3
	P _m	32-29			1.9	1.8	4.4	4
	sP	32-47						
	PP	34-29						
	S	39-56						
	ss	40-18						
	Q _m				5.6	2.7		14
KSH	P	33-09	59.3					

8. H=16-05-23.2, 22.9 S, 70.8 W, h=18 km, M=6.3

WMQ	+ PKP	16-25-15	152.5					
	PP	29-04						
	L _m				5.4	4.0		18
LSA	ePKP	25-28	164					
BJI	ePKP	25-29	165					
	L _m	17-41-12			2.9			20
BTO	ePKP	16-25-27	163					
	ePP	29-58						
	L _m				2.9	2.6		18
SSH	ePKP ₁	25-28	164					
	PKP ₂	26-35						
	ePP	30-26						
NJI	L _m				3.7	2.9		N 20 E 18
	PKP ₁	25-32	166					
	PKP ₂	26-40						
	PP	30-27						
XAN	L _m	17-56-00			1.4	1.7		17
	ePKP ₁	16-25-30	167					
	PKP ₂	26-40						
	PP	30-29					1.7	9
WCH	L _m				3.0			18
	ePKP ₁	25-29	171					
	ePP	30-39						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
KMI	L _m				3.4			17
	PKP ₁	25-38	173					
	PKP ₂	27-07						
	PP	30-58						
	L _m	47-03			4.5			20
9. H=01-42-30.7, 27.2N, 56.4E, h=15 km, M=5.9								
KSH	eP	01-47-10	20.2					
	L _m			29				12
WMQ	P	48-41.2	29.7					
	eS	53-41						
KMI	L _m				6.5	6.3		13
	+ P	50-19	41.2					
	PP	52-04						
	S	56-37						
XAN	L _m	02-10-56			2.5			14
	eP	01-50-47	44.6					
	eS	57-27						
BTO	L _m				15.8			23
	eP	50-53.7	45.5					
	eS	57-39						
WCH	R _m	02-12-14			3.0	4.9		N15 E14
	eP	01-51-29	50.1					
BJI	L _m				8.9			17
	eP	51-31	50.2					
	eS	58-46						
NJI	Q _m	02-12-41			9.7	6.5		21
	eP	52-02	54.4					
CNH	eS	59-37						
	L _m				2.3	3.2		N14 E16
	eP	52-24	57.4					
	eS _N	00-10						
	eS _E	00-19						
	L _m	14-18			13.2			18

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
11. H=07-25-19.1, 6.1 S, 154.5 E, h=65 km, M=6.2								
SSH	+iP	07-33-59	48.8		0.7	0.6	1.4	5
	P _m	34-01					1.6	8
	pP	34-10						
	eS	40-57						
	sS	41-16						
	R _m			10	11		20	
NJI	+ P	34-16	51.0		0.5	0.9	1.8	6
	P _m	34-18					2.1	8
	pP	34-27						
	eS	41-28						
	sS	41-47						
	L _m	49-25			7.7		17	
WCH	+iP	34-33	53.1		0.5	1.0	2.0	7
	P _m	34-35					2.2	8
	pP	34-44						
	eS	41-57						
	sS	42-21						
	L _m			9.0	2.3		N20 E22	
CNH	+ P	34-54	56					
	P _m	34-56					1.3	9
	pP	35-03						
	L _m	58-52			8.4			17
	L _m			6.1	6.2		17	
BJI	eP	35-06	57.8		0.5	0.5	1.0	6
	P _m	35-08					1.3	9
	eS	42-58						
	R _m	08-04-24		6.1	4.7		17	
XAN	eP	07-35-09.5	58.7					
	P _m	35-14					2.2	5
	pP	35-24						
	eS	43-11						
	sS	43-30						
	L _m			8.4			17	

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)			
				A _H	N-S	E-W	U-D				
KMI	+P	35-17	59.6		0.4	0.9	1.9	5			
	S	43-25									
	PS	43-47									
	SS	47-20									
	L _m	08-01-56							11.3	18	
BTO	+P	07-35-33	62								
	P _m	35-36						1.9			6
	pP	35-46									
	eS	43-51									
	S _m								5.7	6.5	
L _m		16.4	20								
LZH	+iP	35-44.5	63.7								
	pP	35-55									
	S	44-13									
	sS	44-35									
LSA	+iP	36-29.2	70.6								
WMQ	P	37-11.1	78								
	pP	37-23									
	S	47-00									
	L _m							9.8	9.5	20	
KSH	P	37-51.5	85.5								

15. H=08-29-55.3, 56.0N, 163.3E, h=33 km, M=7.9

CNH	+iP	08-35-32	26.6		3.7	4.7	8.9	10							
	P _m	35-45							13.7	15.7	31	13			
	PP	36-21													
	PP _m	36-43											50	10	
	S	40-06													
BJI	+P	36-38	34.0		3.5	3.6	7.4	11.5							
	P _m	36-48							6.4	6.7	16	11.5			
	ePP	38-01													
	PP _m	38-30											2100	121	14
	L _m														
BTO	+iP	37-06	37.3	5.6	6.7	11.1	12								
	P _m	37-14						7	10	20	11				

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
SSH	PP	38-43						
	PP _m					35	52	11
	iS	42-47						
	S _m				47	28		9
	+iP	37-13	38.5		3.9	3.4	8.1	11
NJI	P _m	37-26			9.5	7.3	21	11
	S	43-06						
	L _m	52			430	662		19
	+P	37-18	38.8		1.9	2.3	6.0	11
	P _m	37-31					16.6	11
WCH	eS	43-09						
	L _m	09-06-31			190			18
	P	08-37-46	42.1					
XAN	P _m	38-00			8.3	7.8	16.7	10
	S	44-06						
	+iP	37-50	42.6		3.5	2	8	11
LZH	P _m	38-03			9.2	5	19.7	10
	S	44-11						
	+iP	38-01	44.0					
WMQ	PP	39-45						
	S	44-32						
	+iP	38-30.1	47.6					
	P _m	38-37			15	15.5	43	10
KMI	PP	40-29						
	PP _m						4.2	8
	+iP	39-10	52.9		4.6	3.0	3.7	11
LSA	+iP	39-33	56.0					
KSH	P	39-39	56.8					
16. H=12-25-48.0, 55.9N, 163.6E, h=33 km, M=6.0								
CNH	P	12-31-25	26.7					
	S	36-03						
	L _m	44-19				8.5		14
BJI	eP	32-34	34.1					
	ePP	33-56						



台名	震相	G.M.T. h-m-s	△ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
BTO	eS	38-10	37.5		9.3	7.4	13.2	13
	R _m	49-32						
	R _{mz}	49-36						
	eP	33-00.6						
WCH	R _m	51-11	42.3		22.3	20.4	26.3	13
	R _{mz}	51-23						
	eP	33-37						
WMQ	eS	40-03	47.8		9.6			12
	L _m							
	+iP	34-24.1						
LSA	R _m		56.2		14.1	12.1		13
	eP	35-27						
KSH	eP	35-33	57.0					

17. H=19-06-07.1, 55.5N, 164.0E, h=33 km, M=6.6

CNH	+eP	19-11-44	26.6					16
	L _m	23-20						
BJI	eP	12-53	34.4		68	37		16
	L _m	27-24						
BTO	+P	13-21	37.5		71	39		16
	L _m							
NJI	eP	13-30	38.5		14.2	22.3		16
	L _m	29-42						
WCH	eP	14-00	42		22	29		15
	L _m							
XAN	eP	14-03	42.3		34			17
	L _m							
LZH	eP	14-16	44.4					17
	eS _N	20-45						
	eS _E	20-55						
	L _m	32-29						
	+iP	14-45.5						
WMQ	L _m		47.9		19	24		N17 E18
	+iP	14-45.5						
KMI	L _m		53		65	25		17
	+P	15-26						
	S	22-57						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
	L _m	37-14			55			18
LSA	+ P	15-47.2	56.3					
KSH	eP	15-51	57.1					

18. H=00-45-45, 40 N, 96.6 E, M=4.2

LZH	+ P _n	00-47-26	6.4					
	iP̄	47-39.4						
	i	47-50						
	S _n	48-40						
	iS̄	49-03						
	i	49-30						
WMQ	P _n	47-38.8	7.6					
	i	47-49.2						
	eP̄	48-02.8						
	S̄	49-38						
BTO	R _m	50-37			2.4			9
	P	48-12.6	10.1					
	eLg ₂	51-15						
XAN	R _m	52-18			0.8	0.6		10
	Lg ₂	52-00	11.4					
BJI	R _m				1.1	0.6		8
	eLg ₂	53-42	14.5					
	L _m	54-11			0.8			12

19. H=07-50-27.8, 55.9 N, 163.1 E, h=33 km, M=5.9

CNH	eP	07-56-15	26.6					
	eS	08-00-55						
	L _{mN}	07-03			7.4			15
BJI	L _{mE}					9.4		13
	eP	07-57-15	34					
	eS	08-02-42						
	R _m	12-42			10.3			14
BTO	- P	07-57-41.3	37.3					
	S	08-03-24						
	R _m	15-30			9.4	11.4		N 12 E 13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	- P	07-59-01.5	47.6					16
	S	08-05-57						
	R _m				22.3			
LSA	eP	00-05	56.0					

24. H=02-05-47, 37.2N, 112.2E, M=4.0

BTO	+ P _n	02-06-48.9	3.7					N 10 E 12
	\bar{P}	06-58.5						
	\bar{S}_N	07-43.7						
	\bar{S}_Z	07-44.3						
BJI	Q _m	08-03			0.9	2.7		
	eP _n	06-53	4.1					
	\bar{P}	07-03						
XAN	\bar{S}	07-56						N 9 E 10
	R _m	08-12			2.5	2.6		
	P _n	06-52.4	4.1					
	\bar{P}	07-03.8						
NJI	S _n	07-40						9
	\bar{S}	07-58.4						
	L _m	08-37			1.3	1.2		
WCH	e \bar{S}	09-58	7.6					9
	L _m					0.5		
	eP _n	07-31	6.8					
	S _n	08-50						
CNH	\bar{S}_N	09-23						11
	\bar{S}_Z	09-25						
	Q _m	09-43			1.2	2.5		
	eLg ₂	12-09	11.7					
LSA	L _m				0.6			9
	eP	10-12.5	19					
WMQ	eP	10-20.3	20					

24. H=21-12-11.0, 21.8N, 121.0E, h=33 km, M=4.8

SSH	eP	21-14-23.6	9.2					
	Lg _{2z}	17-10						

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
NJI	Lg _{2E}	17-14	10.2					13
	R _m	18-31						
	eP	14-38						
	eS	16-38						
WCH	eLg ₂	17-52	10.4					N11 E12
	L _m	19-24						
	eP	14-40						
	eS _E	16-36						
XAN	eS _N	16-39	16.3					11
	Lg ₂	17-47						
	R _m	20-21						
	P	15-59						
KMI	eS	19-04	18.0					9
	L _m	22-21						
BJI	eS	19-36	18.8					10
	L _m	23-52						
BTO	+ P	16-29	21.0					13
	eS	19-57						
	Lg ₂	22-30						
	L _m	25-19						
CNH	+ P	16-53.4	22.5					N11 E13
	S	20-45						
	R _m	26-22						
	eP	17-08						
LSA	eS	21-13	28.3					N14 E15
	Lg ₂	24-40						
	R _m	27-19						
WMQ	eP	18-03.5	35.3					
	P	19-05.4						

27. H=08-43-18, 38.4N, 114.3E, M=4.3

BJI	- P _n	08-43-55	2.2					
	S	44-24						
BTO	L _m	44-33			13.7	10.6	10.6	4
	iP _n	44-22.0	3.9					

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)				
				A _H	N-S	E-W	U-D					
XAN	\bar{P}	44-30.4	6.1					8				
	\bar{S}	45-21										
	R _m	45-59							4.0	3.3	3.6	
	eP _n	44-53										
NJI	\bar{P}	45-13	7.3					9				
	\bar{S}	46-32										
	R _m	47-21							2.2	2.1		
	eP _n	45-09										
	eS _n	46-35										
WCH	\bar{S}_E	47-09	7.8					10				
	\bar{S}_{NZ}	47-18										
	R _m	48-23							0.6	1.6		
LZH	eP _n	45-16	8.6									
	P _n	45-26.3										
SSH	\bar{S}	47-50	9.3									
	eP	45-36										
CNH	Lg ₂	48-22	9.8					11				
	R _m	49-32							0.6			
	R _m	49-35									0.7	11
	eP	45-42										
	Lg ₂	48-29										
WMQ	L _m	49-24	20.8					9				
	- P	48-02.7										
LSA	- P	48-06.5	21.2									

30. H=22-27-08.8, 25.6 N, 94.7 E, h=70 km, M=5.5

LSA	iP	22-28-27.4	5.2						
KMI	+iP	28-56	7.3						
	e	29-06							
LZH	S	30-16	13.0					10	
	L _m	31-32							47
	-iP	30-13							
	pP	30-24							
	sP	30-36							
	eS _E	32-41							

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
XAN	S _N	32-45	14.9					12
	L _m				7.0	18.1		
	P	30-39.5						
	pP	30-58						
WCH	eS _E	33-21	18.0					N 7 E 8 9
	L _m				13	7.2		
	L _m	25-28			14.3	6.3		
	eP	31-15						
	pP	31-30						
WMQ	eS	34-33	19.0					11
	L _m	38-45				7.2		
	- P	31-28.2						
	sP	31-52.8						
BTO	S	35-01	19.7					11
	R _m				6.2			
	- iP	31-33						
	pP	31-50						
	sP	31-58						
KSH	eS	35-07	20.9					N 12 E 13
	L _m	38-50			7.5	7.9		
NJI	- P	31-48	22.0					N 13 E 11
	eP	32-02						
	pP	32-16						
	eS	35-59						
BJI	L _m	39-43	23.0					N 13 E 11
	eP	32-07			6.0	4.2		
	epP	32-25						
	sP	32-33						
	eS _E	36-13						
SSH	eS _N	36-15	23.9					11
	L _m	39-48			3.0	2.5		
	eP	32-16						
	eS	36-26						
	S _m	36-38			0.9	1.3		
	L _m	41-35		3.7	1.7		N 10 E 9	



台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
CNH	eP	33-13	30.8					10
	eS	38-09						
	L _m	47-21				2.4		
30. H=10-46-57.8, 31.2N, 122.5E, h=10 km, M=4.9								
SSH	- \bar{P}	10-47-19.7	1.1					2
	\bar{S}	47-33						
	\bar{S}_m				39	28		
NJI	L _m			59	15			5.5
	- P _n	47-49.3	3.3					8
	\bar{P}	47-57.6						
S _n	48-23							
WCH	\bar{S}	48-36						6
	L _m	48-59		18				
	P	48-42	7.0					
eS	49-59							
Lg ₂	50-35							
BJI	L _m			19.5				6
	eP	49-25	10.2					12
	eS	51-09						
eLg ₂	52-12							
XAN	R _m	53-58		17				7
	eP	49-51.5	11.8					
	eS	52-00						
CNH	eLg _{2N}	53-07						12
	eLg _{2z}	53-10						
	L _m	53-26		5.0	2.4			
BTO	iLg ₂	53-49	12.5					12
	L _m	54-20				10.4		
	eP	50-16		13.8				
eS	52-47							
Lg ₂	54-26							
KMI	Q _m	55-19		2.1	2.4			N13
	R _{mz}	55-59					2.9	E12
	eP	51-14	18.4					13

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)								
				A _H	N-S	E-W	U-D									
WMQ	eS	54-35	30.1		1.6	1.0		8								
	L _m	58-09														
	eP	53-09														
30. H=15-39-37.4, 4.7 S, 151.9 E, h=109 km, M _{PZ} =6.2, M _{SH} =4.8																
SSH	-iP	15-47-53	46.2		0.7	0.7	2.0	3								
	P _m	47-55										2.2				
	pP	48-19														
	sP	48-28														
	PP	49-41														
	S	54-31														
	S _m												0.6	0.6		8
	sS	55-17														
NJI	L _m		48.6		0.3	0.6	2.0	4								
	- P	48-11														
	pP	48-38														
	sP	48-46														
	PP	51-56														
	eS	55-02							1.0			9				
	S _m															
	esS	55-50														
WCH	- P	48-25	50.2		0.4	0.9	1.6	4								
	pP	48-52														
	sP	49-02														
	eS	55-27														
	S _m	55-32							0.6	0.7		10				
	sS	56-11														
CNH	-iP	48-52	54.0		0.9	0.9	1.8	3								
	pP	49-18														
	sP	49-25														
	S	56-16														
	S _m	56-24							0.6			10				
	sS	56-56														
BJI	SS	59-07	55.3		0.6	0.8	1.6	4								
	- P	49-02														

台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)			
				A _H	N-S	E-W	U-D				
XAN	pP	49-30	56.0					8			
	sP	49-38									
	eS	56-38									
	S _m								0.4		
	sS	57-23									
	SS	24-00-33									
	R _m	11-10							1.4		
- P	23-49-06	0.6	0.6	1.6	3						
KMI	pP	49-32	56.5					9			
	sP	49-41									
	eS _E	56-44									
	S _m								0.6		
- P	49-10										
BTO	S _N	52-48	59.2					3			
	P	49-29							0.8	0.9	2.1
	pP	49-56									
	sP	50-05									
	PP	51-30									
	eS _N	57-23									
	eS _E	57-29									
	S _m	57-35							0.6	0.9	10
	sS	58-17									
	- P	51-10							75.4	0.3	0.6
WMQ	pP	51-37	75.4					9			
	sP	51-46									
	PP	53-58									
	eS _N	24-00-37									
	S _m								0.5		
sS	01-26										

30. H = 23-35-22, 40.5 N, 77 E, M = 4.6

KSH	iP̄	23-35-48.2	1.4					
	eS̄	36-07						
	S̄ _m				19.3			2

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台名	震相	G.M.T. h-m-s	Δ (度)	A (μ)				T (秒)
				A _H	N-S	E-W	U-D	
WMQ	P	37-33.3	8.3					1.6
	S	39-12						
	Lg ₂	40-07						
	Lg _m	40-27				0.6		
LSA	eP	39-06	15.7					