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SEISMOLOGICAL BULLETIN OF CHINA  
for  
1956

Geographic positions of station net - work

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Stations	$\varphi_N$	$\lambda_E$
PK ( Peking )	39°59'.3	116°19'.0(I-IV)
	40°02'.4	116°10'.5(V-XI)
CC ( Changchun )	43°49'.8	125°18'.8
CT ( Canton )	23°05'.5	113°20'.6
CY ( Changyeh )	38°56'.0	100°35'.0
DR ( Dairen )	38°54'.0	121°38'.0
FL ( Futzeling )	31°18'.0	116°18'.0
HRB ( Harbin )	45°45'.0	126°38'.0
KT ( Kwanting )	40°14'.4	115°36'.3
LC ( Lanchow uni)	36°05'.0	103°49'.0
LF ( Linfen )	36°05'.8	111°31'.1
NK ( Nanking )	32°03'.8	118°47'.0
PT ( Paotow )	40°34'.7	110°02'.0
SC ( Shenchow )	34°46'.0	110°07'.0
SA ( Sian )	34°14'.9	108°55'.2
SN ( Sining )	36°37'.2	101°46'.9
SW ( Suihwa )	46°37'.4	126°59'.5
TT ( Tsingtao )	36°04'.0	120°19'.0
TU ( Tatung )	40°05'.7	113°16'.8
TY ( Taiyuan )	37°47'.2	112°35'.4
TK ( Tungkwan )	34°37'.0	110°17'.0
WW ( Wuwei )	37°55'.7	102°38'.3
YC ( Yinchuan )	38°28'.5	106°16'.2
YM ( Yumen )	40°17'.8	97°00'.9
YMK ( Yumenkow )	35°39'.3	110°35'.9
ZS ( Zöse )	31°05'.8	121°11'.2

INSTITUTE OF GEOPHYSICS & METEOROLOGY  
ACADEMIA SINICA  
Peking, China

*Copied to end of Jan.*

1956 January

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Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
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✓ 1 Epc: 6°S, 130°W  
O: 23-08-40  
h: 110km, \*M: 6

✓ ZS	eP	23	15	46
	sP		16	24
	S		21	26
✓ NK	eP	15	58	
	sP		16	34
	i		21	30
	S			50
✓ PK	P	17	03	
	sP			41
	S		23	46
✓ CC	eP	17	21	
	sP		18	00
	S		24	19

✓ 6

✓ NN	e(P)	22	28	56
	eS		29	17
✓ YC	e(P)			06
	S			32
✓ LC	(S)			50
✓ CY	e(P)			24
	eS		30	06
✓ SN	e		29	56
✓ SA	e		30	52
✓ YM	e		28	03
✓ PT	e		31	05

✓ 3 Epc: 50°N, 156°E  
O: 15-40-55, \*M: 6

✓ CC	e(P)	15	45	52
	eS		49	49
✓ HRB	e(P)	45	52	
✓ PK	P	47	07	
	eS		52	04

✓ 8 \*Epc: 19°S, 70°W  
O: 20-54-13, M: 7½

✓ CC	ePKP	21	14	14
✓ PK	ePKP			17
✓ NK	-iPKP			26
✓ ZS	-iPKP			26

✓ 4 Epc: 35°N, 105°E  
O: 19-34-00

✗ TS	eP	19	34	16
	S			26
✓ LC	e(P)			23
	S			42
✓ SA	e	35	27	
	S			48
✓ SN	e			33
✓ YC	e			35
	S			46
✓ WW	e			44
✓ LF	e		36	45

✓ 9 Epc: 24°S, 180°  
O: 12-05-53  
h: 650km, M: 6½

✓ ZS	-iP	12	16	48
	sP		19	47
	S		25	50
✓ NK	-iP			16 58
	iS		19	34
	S		26	16
✓ FL	eP		17	09
✓ DR	eP			14
✓ CC	P			17
	S		26	50
✓ PK	iP		17	33
	SKS		26	57
	S		27	20
✓ KT	e(P)		17	37
✓ LF	eP			37
✓ TY	eP			40
✓ TK	P			41
✓ YMK	eP			42
✓ SA	P			45
	S		27	41
✓ TU	P			17 47

✓ 6 Epc: 38°N, 104°E  
O: 22-28-23

P.S. Epc., M, etc. with asterisk are from foreign reports. (mostly of Pasadena and Moskva.)

1956 January

Date Sta. Phase h m s | Date Sta. Phase h m s

✓ 9 PT eP 12 17 56 ✓  
 LC eP 13 04 ✓  
 YC e(P) 04 ✓

14 ZS -iP 14 29 42  
 eS 33 48  
 NK e(P) 29 48  
 e 34 03

✓ 10 \* Epc: 25°S, 176°W  
 O: 06-52-36, M: 7½

ZS eP 09 05 02 ✓  
 S 15 30 ✓  
 NK eP 05 11 ✓  
 S 15 52 ✓  
 CC eP 05 35 ✓  
 eSKS 16 07 ✓  
 eS 37 ✓  
 PK P 05 52 ✓  
 SKS 16 38 ✓  
 SA e 06 10 ✓  
 SKS 16 45 ✓  
 S 18 31 ✓

✓ 16 \* Epc: 1½°S, 80°½W  
 O: 23-37-37, M: 7¼ - 7½

CC ePKP 23 57 05 ✓  
 PK PKP 10 ✓  
 ZS ePKP 11 ✓  
 i(PP) 24 00 31 ✓  
 NK ePKP 23 57 11 ✓  
 (PP) 24 00 37 ✓

20 Epc: 29°W, 102°E  
 O: 00-13-58

X TS eP 00 16 01  
 e 17 19  
 LC eP 16 21  
 e 17 41  
 SN eP 16 26  
 SA eP 36  
 iS 18 19  
 WW e 16 51  
 PK i 22 34  
 NK e 21 58

✓ 11 Epc: 7°N, 93°E  
 O: 06-09-52, \*M: 6

NK eP 06 16 45 ✓  
 S 22 15 ✓  
 ZS eP 16 55 ✓  
 eS 22 33 ✓  
 PK P 17 25 ✓  
 S 23 25 ✓  
 CC eP 18 23 ✓  
 S 25 12 ✓

✓ 23 \* Epc: 55°½N, 162°E  
 O: 03-47-27  
 h: 60km, M: 6½ - 6¾

CC e 03 57 15 ✓  
 PK e 04 02 22 ✓  
 ZS e(S) 00 26 ✓  
 NK e(P) 03 56 25 ✓

✓ 14 \* Epc: 51°½N, 173°W  
 O: 14-08-41, M: 6

PK eP 14 17 32 ✓  
 NK eP 58 ✓  
 i 18 02 ✓  
 ZS -iP 17 58 ✓  
 eS 25 16 ✓

✓ 23 \* Epc: 7°N, 123°½E  
 O: 07-36-14, h: 650km

ZS -iP 07 40 49 ✓  
 eS 44 26 ✓  
 NK -iP 41 00 ✓  
 S 44 49 ✓  
 SA i(P) 41 46 ✓

14 Epc: 44°½N, 146°E  
 O: 14-24-36

CC eP 14 23 07 ✓  
 PK eP 29 31 ✓

1956 January

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
✓ 23	SA	eS	07 46 02	✓ 28	NK	+P	07 51 26
	TY	eP	42 00	✓		eS	58 28
	PK	e(P)	10	✓	PK	P	52 19
		i(S)	46 52	✓		S	08 00 02
	YC	e(P)	42 26	✓	SA	eP	07 52 33
						eS	08 00 24
✓ 24	PK	eP	12 20 34	✓ 29	Epc: 20° $\frac{1}{2}$ N, 121° $\frac{1}{2}$ E		
		S	25 13		O: 22-20-52, *M: 5 $\frac{1}{2}$		
	ZS	e	20 57	✓	NK	eS	22 26 16
✓ 26	*Epc: 10°N, 124°E				LF	e(P)	24 59
	O: 15-33-37, M: 5				SA	eP	25 01
	ZS	+P	15 38 25			(S)	28 26
		S	42 32		KT	eP	25 13
	NK	eP	33 38	X	TS	eP	21
		S	42 57		PK	P	28
	PK	eP	39 52			S	29 05
		eS	45 09		LC	P	25 46
✓ 27	*Epc: 41° $\frac{1}{2}$ N, 83° $\frac{1}{2}$ E				SN	eP	26 02
	O: 10-06-53 M: 5				WW	P	05
	WW	e	10 14 06		CC	eP	07
	YC	e(S)	16 21	✓ 30	*Epc: 38° $\frac{1}{2}$ S, 177° $\frac{1}{2}$ E		
	SA	(S)	18 36		O: 08-43-01, M: 6 $\frac{1}{2}$		
	LC	e	14 13		ZS	eP	08 55.48
	ZS	e	18 34			eS	09 06 19
✓ 27	*Epc: 26°S, 176°W				NK	+P	08 55 56
	O: 13-32-45 M: 7					ePP	59 22
	ZS	+P	13 51 15			S	09 06 42
		S	14 01 37	✓ 31	Epc: 3°S, 152° $\frac{1}{2}$ E		
	NK	eP	13 51 24		O: 09-17-14		
		S	14 01 50		h: 360km, *M: 7 - 7 $\frac{1}{4}$		
	PK	iSKS	02 20		ZS	eP	09 24 56
		iS	03 05			pP	26 14
	SA	iSKS	02 41			sP	48
		i(S)	03 19			S	31 05
✓ 28	*Epc: 4° $\frac{1}{2}$ S, 151° $\frac{1}{2}$ E				NK	+P	25 13
	O: 07-42-52					pP	26 23
	h: 100km, M: 6 $\frac{1}{2}$					eS	31 37
	ZS	eP	07 51 10		CC	eP	25 53
		S	57 58			eS	32 51
					PK	iP	26 04
						isP	27 57

1956 February

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
31	PK	iS	09	33	11	3	CY	P	08	08	31
	SA	iP		26	13			S			40
		iS		33	27		WW	eP			44
								eS	09	02	
							SN	e(S)		29	
							LC	e(S)	10	06	
							YC	eP	09	31	
								eS	10	21	
							TS	e	11	14	
							SA	e	12	15	

February

1 Epc: 19°N, 145°E  
 O: 13-41-53  
 h: 400km, \*M: 6 $\frac{1}{2}$  - 7

ZS	-iP	13	46	42
	pP		47	47
	isP		48	32
	S		50	34
NK	-iP		47	02
	pP		48	11
	isP		55	
	iS		51	10
DR	eP		47	17
	eS		51	38
FL	eP		47	18
CC	iP			28
	i		48	50
	iS		51	57
HRB	P		47	36
PK	iP			51
	iS		52	37
KT	eP		47	56
TY	P		48	05
LF	eP			05
YMK	eP			09
TK	eP			09
TU	e(P)			12
SA	eP			16
	iS		53	24
PT	eP		48	29
YC	eP			44
LC	eP			55
	S		54	32
WW	P		49	06
SN	eP			07
CY	eP			21

4 Epc: 25° $\frac{1}{2}$ N, 124°E  
 O: 20-18-20

ZS	eP	20	19	55
NK	eP		20	15
	eS		21	43
PK	eP		22	09
SA	e(P)			21
CC	e(P)			44

5 \*Epc: 3° $\frac{1}{2}$ N, 128°E  
 O: 20-35-55

ZS	eP	20	41	52
NK	+P		42	05
SA	eP		43	04
	eS		48	26
PK	eP		43	17

9 \*Epc: 31° $\frac{1}{2}$ N, 116° $\frac{1}{2}$ W  
 O: 14-32-40, M: 6 $\frac{1}{2}$  - 7

PK	e(P)	14	45	56
	eSKS		56	10
	S			54
ZS	eP		46	15
	eSKS		56	54
	S		57	39
NK	eP		46	18
	eSKS		56	55
	S		57	43

3 Epc: 38° $\frac{1}{2}$ N, 101° $\frac{1}{2}$ E  
 O: 08-08-16

10 \*Epc: 37° $\frac{1}{2}$ N, 142° $\frac{1}{2}$ E  
 O: 00-02-40  
 h: 60km, M: 6 $\frac{1}{2}$

1956 February

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
10	CC	P	00	06	03	12	WC	e(P)	19	45	31
	PK	P		07	15						
	ZS	eP		06	55						
		S		10	20						
	NK	eP		07	11	13	Epc: 19°N, 120°E				
							O: 03-44-46, *M: 5 1/4				
10						ZS	e(P)		03	47	43
	* Epc: 13°N, 124°E						(eS)			50	07
	O: 13-40-07					NK	eP			47	59
							cS			50	29
	ZS	eP	18	44	24	PK	eP			49	35
		S		47	51		eS			53	27
	NK	eP		44	42	CC	eP			50	13
		eS		48	30						
12						13	Epc: 18°N, 120°E				
	Epc: 18°N, 120°E						O: 14-20-50, *M: 5 1/4				
	O: 11-49-16, *M: 6 1/4 - 6 1/2					ZS	eP		14	23	55
	ZS	+iP	11	52	17	NK	eP			24	06
		S		54	39		e(S)			26	38
	FL	eP		52	25	YMK	eP			25	15
	NK	+iP			30	LF	eP				17
		S		55	01	SA	P				18
	TK	eP		53	33		S			28	43
	SA	iP			36	DR	eP			25	32
	YMK	eP			41	PK	P			47	
	LF	eP			45		S			29	45
	TY	eP			58	LC	eP			25	54
	PK	iP		54	13	TU	eP				55
		iS		58	11	PT	eP			26	04
	KT	eP		54	17	SN	eP				09
	TU	e(P)			22	WW	eP				13
	LC	eP			22	CC	eP				22
	YC	eP			31						
	PT	eP			32	14	Epc: 36°N, 141°E				
	SN	eP			37		O: 00-52-42, *M: 5 3/4 - 6				
	WW	eP			42						
	CC	eP			50	CC	eP		00	56	12
	CY	eP		55	05		eS			58	56
						ZS	+iP			56	43
							iS			59	51
12	After shock.					NK	eP			57	04
	O: 19-39-58					PK	eP				12
							eS			01	00
	SA	eS	19	48	24						
	TY	eP		44	55						
	PK	eP		45	05	14	Epc: 18°N, 120°E				
		eS		49	12		O: 03-21-01, *M: 5				
	TU	eP		45	18	ZS	e(P)		03	24	15

1966 February

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
14	NK	e(P)	08	24	27	18	FL	P	07	38	13
		e(S)		27	53		PK	P		28	
	PK	P		25	59		KT	P		33	
		S		29	58		TU	P		48	
	WW	eP		26	26		TY	P		49	
CC	e			34			(sP)		41	00	
								iS		42	21
						TK	P		39	00	
14	Epc: 18° $\frac{1}{2}$ N, 120°E					SA	P			11	
	O: 12-53-50, *M: 5 $\frac{1}{2}$					PT	eP			11	
							(sP)			41	29
	ZS	e(P)	12	36	58		iS			43	02
	NK	e(P)		37	07	YC	P			39	33
	SA	eP		38	09	LC	P				49
	PK	P			39		(sP)			42	06
		S		42	31		iS			44	04
	KT	eP		38	47	WW	P			39	57
	LC	eP			51		(sP)			42	07
	PT	eP		39	02		iS			44	20
	YC	eP			02	SN	P			40	03
WW	eP			11	CY	P				13	
CC	eP			20	YM	eP				57	
15	*Epc: 28°N, 53°E					19	*Epc: 52°N, 131° $\frac{1}{2}$ W				
	O: 15-29-27, M: 5 $\frac{1}{4}$						O: 02-18-00, M: 6 $\frac{3}{4}$				
	NK	e(P)	15	59	06	PK	e(P)	02	29	24	
	ZS	eP			28		S		38	44	
						TU	eP		29	25	
						ZS	+P			52	
							iS		39	37	
						NK	+iP		29	53	
							iS		39	41	
17	*Epc: 47°S, 15°W					20	Epc: 25°N, 125°E				
	O: 09-53-55						O: 07-57-37				
	NK	+PKP	10	13	30	ZS	eP	07	59	35	
	ZS	+PKP			36		S		08	01	
	PK	ePKP			39	NK	eP		07	59	
							S		08	01	
							P			17	
						DR	P			25	
						TK	eP			29	
						LF	eP			35	
						SA	eP			04	
							S		01	41	
						PK	P		01	42	
						TU	P			58	
18	Epc: 30°N, 138° $\frac{1}{2}$ E					18	Epc: 30°N, 138° $\frac{1}{2}$ E				
	O: 07-34-21						O: 07-34-21				
	h: 450km, *M: 7 $\frac{1}{4}$ - 7 $\frac{1}{2}$						h: 450km, *M: 7 $\frac{1}{4}$ - 7 $\frac{1}{2}$				
	ZS	-iP	07	37	29	DR	P			17	
		iS		40	03	TK	eP			25	
	DR	eP		37	46	LF	eP			29	
	NK	-iP			51	SA	eP			35	
		iS		40	42		S		01	41	
	CC	iP		37	56		P		01	42	
		S		40	55		P			58	

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Date	Sta.	Phase	h m.s	Date	Sta.	Phase	h m.s
20	CC	P	08 02 13	28	SN	eP	20 54 47
		eS	06 52			eS	57 32
	LC	eP	02 24		LC	P	54 51
					WW	eP	55 03
20	*Epc: 39° <sup>1</sup> / <sub>2</sub> N, 30° <sup>1</sup> / <sub>2</sub> E				CY	e(P)	08
	O: 20-31-35, M: 5 <sup>1</sup> / <sub>4</sub>				YM	eP	14
	PK	P	20 42 08		SA	iP	18
		PP	44 28			iS	58 30
		S	50 39		YC	eP	55 33
	CC	eP	42 32		YMK	eP	34
	NK	-iP	45		FL	eP	56 00
		S	51 54		TY	eP	03
	ZS	-P	42 59		PT	eP	09
		S	52 17		NK	+iP	21
						S	21 00 31
22	Epc: 3° <sup>1</sup> / <sub>2</sub> S, 66°E				TU	P	20 56 27
	O: 09-59-26, *M: 5				KT	eP	38
	SA	e	10 08 56		PK	iP	40
		S	18 27			iS	21 01 00
	NK	eP	09 36	29	ZS	+iP	20 56 41
		PP	11 53			eS	21 01 05
		eS	17 49		After shock, O: 21-25-42		
	ZS	eP	09 46		SA	e	21 30 03
		S	18 08		NK	-P	31 02
		SS	22 13			iS	35 19
	PK	P	09 50		PK	e(P)	31 23
		S	18 14		ZS	-iP	23
	CC	e(P)	10 41			eS	35 52
		eS	19 49				
25	Epc: 35° <sup>1</sup> / <sub>2</sub> N, 111°E				March		
	O: 00-44-15						
	YMK	eP	00 44 24	1	NK	eP	12 57 38
		iS	30		ZS	e(P)	52
	LF	eP	30	2	ZS	(P)	12 06 45
		S	39		NK	eP	47
	TK	eP	38		SA	e	07 46
		eS	51				
	SA	i(S)	45 25	2	CC	e	14 53 51
	TY	(S)	37		PK	P	54 42
	YC	e	46 46			iS	59 00
	TU	e	50		NK	e(S)	33
29	Epc: 23°N, 94°E			3	*Epc: 15°S, 173° <sup>1</sup> / <sub>2</sub> W		
	O: 20-51-14, *M: 5 <sup>1</sup> / <sub>4</sub>				O: 00-05-25, M: 6 <sup>3</sup> / <sub>4</sub>		



1956 March

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
3	ZS	+P	00 17 34	5	HRB	P	23 32 45
		S	27 20		CC	iP	59
	CC	e(P)	17 47			eS	35 45
	NK	eP	50		DR	iP	33 51
		S	27 49		PK	iP	34 23
	PK	P	18 09			iS	38 23
		eS	28 27	KT	eP	34 35	
				ZS	+iP	40	
					S	38 46	
				NK	+iP	34 49	
					S	39 03	
				TU	eP	34 55	
				TY	eP	35 05	
				YC	eP	50	
				SA	eP	45	
					(S)	40 47	
				LC	eP	36 10	
				SN	eP	21	
				CY	eP	25	
5	Epc: 23°N, 94°E O: 10-13-44 h: 100km, *M: 5			5	*Epc: 27°N, 52°E O: 08-55-29, M: 5½		
	SN	e(P)	10 17 11		SA	e(P)	09 04 31
	LC	i(S)	20 21			eS	11 44
	WW	P	17 31		PK	eP	04 49
	SA	eP	46			eS	12 20
	YC	eP	18 14		NK	eP	05 11
	NK	+iP	49			eS	13 02
		pP	19 10		ZS	+P	05 29
		sP	22			S	13 35
		S	22 54				
	TU	eP	18 53				
	PK	iP	19 04				
		S	23 22				
	ZS	eP	19 08				
		pP	29				
		eS	23 27				
5	CC	eP	03 47 43	10	*Epc: 22°S, 176°W O: 19-33-40 h: 200km, M: 5½		
	ZS	e(P)	49 16		ZS	+iP	19 45 24
	NK	eP	25		NK	+iP	46
5	Epc: 37°N, 77°E O: 07-12-23, M: 5½					(S)	56 10
	YM	eP	07 16 02		PK	iP	46 15
	YC	e(P)	17 27			ePP	49 35
	SA	eS	22 31			(S)	56 44
	PK	e(P)	13 41				
		PP	19 38				
		eS	23 37				
	NK	e(P)	19 13				
		S	24 43				
	ZS	e(P)	19 35	10	*Epc: 1°N, 125°E O: 21-37-01, M: 6½		
		eS	25 09		ZS	+iP	21 43 22
5	Epc: 45°N, 144°E O: 23-29-30, *M: 6½ - 6½						

1956 March

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s		
10	ZS	S	21	48	20	22	*Epc: 30 <sup>1</sup> / <sub>2</sub> S, 79°W						
	NK	eP		43	35		O: 06-33-55						
		eS		48	41		h: 100km, M: 6 <sup>3</sup> / <sub>4</sub> - 7						
	SA	e(P)		44	19		PK	ePKP	06	53	16		
	PK	P			44		ZS	-PKP			29		
	NW	eP		45	06		NK	-iPKP1			30		
CC	eP			06						56			
13	*Epc: 7°N, 82°W					23	ZS	+iP	05	19	20		
	O: 13-13-10, M: 7								e(S)		25	25	
	ZS	ePKP	13	32	41		NK	eP			19	37	
		PP		35	40				eS			26	25
	NK	ePKP		32	51		23	*Epc: 30°N, 90°E					
PK	PP		35	53	O: 05-50-12, M: 5								
	PP			54	PK	i	05	54	(09)				
14	ZS	eP	15	51	22	SA	e			55	10		
		i		56	06	NK	(P)			55	30		
	NK	+P		51	35		eS			59	45		
		i		56	16	ZS	eP			55	54		
18	*Epc: 6°N, 93°E					25	*Epc: 52°N, 159°E						
	O: 08-17-57, M: 5 <sup>1</sup> / <sub>2</sub>						O: 23-27-31, M: 6						
	NK	e(P)	08	24	49		PK	e(P)	23	33	46		
		eS		30	24			S			38	45	
PK	P		25	32	ZS	+P			34	24			
	i(S)		31	33		eS			39	56			
					NK	+iP			34	29			
19	*Epc: 6°S, 150°E					28	*Epc: 30°N, 137°E						
	O: 17-35-57, M: 6.4						O: 22-05-18, h: 500km						
	ZS	+iP	17	44	27		NK	+iP	22	08	43		
		eS		51	10			iS			11	30	
	NK	+iP		44	44		CC	iP			08	53	
	eS		51	42		S			11	47			
PK	iP		45	36	PK	eP			09	23			
	S		53	16		i(S)			12	33			
21	PK	eP	05	03	52	30	*Epc: 39°N, 102 <sup>1</sup> / <sub>2</sub> E						
		S		11	09		O: 02-32-00						
	NK	eP		04	30								
ZS	e(P)			55									

1956 April

10

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
30	CY	P	02 32 14	3	CY	e	20 59 19
		i(S)	26			e(S)	55
	WW	P	22		SN	e	22
		i(S)	39		TS	e	40
	SN	eP	40			e(S)	21 00 34
		i(S)	33 10		PT	e	20 59 57
	LC	e	32 59			(S)	21 00 55
		e	33 25		YM	e	11
	YM	e	02			e(S)	01 25
		e(S)	44		SA	e	00 17
	TS	e	22			i(S)	01 25
		e(S)	59		LF	e	00 22
	SA	e	34 13		TY	e	25
		i(S)	35 56		TU	e	38
	LF	e	34 22		PK	e	01 46
	TU	e	56				
	PT	e	25				
	PK	e	30				
		i	37 57				

6 Epc: 37°N, 71°E  
 O: 07-11-36  
 h: 100km, \*M: 6<sup>3</sup>/<sub>4</sub>

April

2 Epc: 2°N, 96°E \*M: 6  
 O: 10-49-46

SN	eP	10 56 44
SA	P	46
	S	11 02 21
NK	+iP	10 57 04
ZS	+iP	09
	e(S)	11 03 03
YC	P	10 57 12
PT	P	38
PK	P	47
	i(S)	11 04 08
CC	P	10 58 44

YM	P	07 16 08
CY	P	35
SN	P	46
WW	P	50
LC	eP	17 01
YC	P	16
TS	eP	17
PT	P	38
SA	P	41
	(pP)	18 19
	S	22 32
TY	eP	17 45
SC	eP	54
LF	P	55
TU	eP	18 02
KT	eP	14
PK	iP	18
	i	43
	iS	23 43
	+iP	18 50
	(pP)	19 28
	S	24 38
ZS	+iP	19 09
	i	36
	S	25 12
CC	P	19 10
HRB	eP	12

3 Epc: 38°<sup>3</sup>/<sub>4</sub>N, 104°E  
 O: 20-58-30

WW	P	20 58 51
	i(S)	59 09
YC	iP	58 54
	i(S)	59 17
LC	e(P)	11
	e(S)	42

1956 April

11

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
7	*Epc: 32°S, 180° O: 18-00-57 h: 350km, M: 6.9			12	TY	iP	19 55 48
	ZS	+iP	18 17 25		YMK	iS e	53 56 22
	NK	e(S) +iP	23 01 17 35		SC	e(S) e	53 28
	PK	S eP	23 22 18 09		TU	e(P) iS	33 10
	SA	iSKS iS (eP)	23 38 29 28 18 15		KT	e	35
					PK	e	56 42
					PT	e	56 50
					SA	e(S) e i i	57 58 08 58 55 57
10	Epc: 3°S, 102° <sup>1</sup> / <sub>2</sub> E O: 13-16-12 h: 150km, *M: 6			18	*Epc: 52°N, 17°W O: 11-00-13, M: 6 <sup>5</sup> / <sub>4</sub>		
	TS	eP	13 23 10		PK	e(P)	11 08 44
	SA	eS P sP	28 45 23 12 57		ZS	eS -iP	15 11 09 04
	NK	iS +iP	28 47 23 15		NK	eS -P	16 09 09 10
		ipP	48			eS	16 19
		isP	59		20	Epc: 7°S, 130°E O: 15-16-04, h: 140km	
		PcP	25 30		ZS	+P	15 23 13
	ZS	iS +iP	28 53 23 17			sP	24 02
		ipP	50			S	28 57
		PcP	25 30		NK	+iP	23 46
	SC	S	28 58			i	57
	LC	eP	23 20			iS	29 22
	WW	eP	22			i	33 18
	TY	eP	37		SA	eP	24 09
	PT	eP	46		TY	eP	24
	PK	eP	24 04		PK	iP	31
		ipP	05			i	59
		isP	55			iS	31 17
		iS	30 30		CC	eP	24 49
	KT	eP	24 10			eS	31 52
	CC	P	56				
		pP	25 28				
		S	31 58				
12	Epc: 37° <sup>1</sup> / <sub>2</sub> N, 112° <sup>1</sup> / <sub>2</sub> E O: 19-55-40						

1966 May 12

Date Sta. Phase h m s | Date Sta. Phase h m s

22 Epc: 5°S, 152°E  
O: 04-40-59, \*M: 6

ZS +iP 04 49 25  
e(S) 56 11  
NK +P 49 42  
eS 56 40  
PK +iP 50 34  
S 58 16

22 \*Epc: 54°N, 162°W  
O: 17-21-53, M: 6

CC eP 17 30 27  
eS 37 21  
PK +P 31 26  
iS 39 09  
ZS eP 31 51  
S 39 54  
NK (P) 32 00  
S 40 06

23 \*Epc: 42°N, 144°E  
O: 03-31-40, M: 6 1/3 - 6 1/2

HRB eP 03 34 51  
GC iP 35 06  
DR eP 50  
PK +iP 36 28  
iS 40 34  
KT P 36 32  
ZS +iP 33  
iS 40 41  
NK +P 36 43  
iS 40 59  
TU eP 36 54  
TY eP 37 06  
FL eP 06  
PT P 14  
SC eP 25  
YC eP 44  
LC eP 38 06

26 \*Epc: 37°N, 140°E  
O: 11-38-42, h: 100km

CC e(P) 11 41 51

26 ZS +P 11 42 27  
NK eP 45  
PK eP 53

26 \*Epc: 51°N, 143°E  
O: 14-52-19, M: 6

PK eP 14 57 11  
S 15 01 12  
ZS eP 14 57 54  
S 15 02 34  
NK e(P) 14 57 57

May

1 Epc: 4°S, 104°E  
O: 02-42-08, \*M: 6.6

SA eP 02 49 38  
ZS eP 39  
i 51 29  
S 55 39  
NK e(S) 42  
CC eP 51 19

2 \*Epc: 28°N, 139°E  
O: 06-34-22, h: 550km

ZS (S) 06 40 37  
NK eP 38 06  
S 41 14  
CC eP 38 17  
S 41 34  
PK eP 38 47  
eS 42 32

2 Epc: 39°N, 101°E  
O: 23-51-24

CY eP 23 51 42  
S 52  
WW eP 52

1956 May

13

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
2	WN	iS	23 52 12	13	PK	eP	07 58 01
	SN	(eP)	09			eS	08 04 03
		eS	38		NK	eP	07 58 26
	LC	e	32			eS	08 04 43
	YM	e	38		ZS	eP	07 58 44
	YC	e	40			eS	08 05 14
		e	53 23				
	SA	e	55 36				
	TU	e	56 15				
				19	Epc: $7^{\circ}\frac{1}{2}S$ , $156^{\circ}E$		
					O: 01-30-42, M: 5		
4	Epc: $14^{\circ}\frac{1}{2}N$ , $123^{\circ}E$				ZS	+iP	01 39 38
	O: 18-45-05					(S)	46 45
	ZS	eP	18 49 02			i	47 15
		S	52 08		NK	+P	39 55
	NK	eP	49 16			iS	47 19
		S	52 34			i	45
	SA	eP	50 18		CC	P	40 31
	PK	eP	45		PK	eP	42
		S	55 17		SA	e(P)	59
6	PK	eP	21 06 47	19	NK	ePKP	20 20 23
	ZS	+P	07 11		SA	ePKP	34
	NK	+P	15		ZS	ePKP	37
	SA	e(P)	50		PK	e	22 00
7	*Epc: $46^{\circ}\frac{1}{2}S$ , $96^{\circ}E$			22	*Epc: $15^{\circ}\frac{1}{2}S$ , $173^{\circ}W$		
	O: 10-58-12, M: $6\frac{1}{4}$				O: 03-01-03, M: $6\frac{1}{2}$		
	ZS	-P	11 10 29		ZS	+iP	03 13 26
	NK	eP	36		NK	(P)	29
		S	20 28		PK	eP	47
	SA	e(P)	10 58			eS	24 09
	PK	e(P)	11 09				
		e(S)	21 42	22	*Epc: $4^{\circ}S$ , $152^{\circ}\frac{1}{2}E$		
					O: 13-36-12		
					h: 550km, M: 7		
8	*Epc: $38^{\circ}\frac{1}{2}N$ , $74^{\circ}\frac{1}{2}E$				ZS	+iP	13 43 56
	O: 19-50-05, M: 5					pP	45 26
	SA	e	20 03(00)			S	50 06
	PK	e	(00)		NK	+iP	44 09
	NK	e	11 00			ipP	45 43
	ZS	e	19			S	50 32
					CC	P	44 48
13	*Epc: $30^{\circ}N$ , $70^{\circ}E$				PK	+iP	58
	O: 07-50-33, M: $5\frac{1}{2}$					pP	46 35

1956 May

14

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
22	PK	S	13 52 00	23	LC	P	21 00 44
	TY	eP	45 04		WW	P	50
	SA	P	07		SN	P	55
	TU	eP	13		CY	P	01 00
	PT	eP	28		YM	P	11
	YC	eP	34				
	WW	P	50				
22	*Epc: 23° 6'N, 96° 03'E O: 20-55-27, M: 5			26	*Epc: 19° 05'S, 178° 15'W O: 20-21-14 h: 550km, M: 6 1/2		
	LC	e	21 00 50		ZS	eP	20 32 11
	CY	e	01 13			S	41 09
	WW	e	15		NK	eP	32 25
	SA	e	02 13			S	41 34
	YC	e	24		CC	P	32 38
	TU	e	03 54			S	41 58
					PK	-P	32 54
						S	42 18
23	Epc: 16° S, 178° W O: 20-48-25, h: 420km, M: 7 3/4				SA	eP	33 13
					TS	eP	24
	ZS	iP	20 59 23	27	*Epc: 6° 1/2 S, 129° 1/2 E O: 16-56-49, h: 200km		
		ipP	21 00 58		ZS	+P	17 04 00
		isP	01 40			S	09 40
		iS	08 26		NK	-iP	04 11
	NK	+iP	20 59 37			i	05 49
		ipP	21 01 08			S	10 02
		sP	54			i	11 23
		S	08 50		PK	-iP	05 14
	DR	P	20 59 44			S	12 06
		S	21 09 07		CC	iP	05 33
	FL	P	20 59 45			i	10 27
	CC	iP	45				
		S	21 09 08	28	ZS	eP	09 19 16
	HR <sup>3</sup>	P	20 59 47			S	22 40
	PK	+iP	21 00 07		NK	eP	19 32
		pP	01 24			eS	23 07
		sP	02 22				
	KT	P	00 04	28	Epc: 0°, 123° E O: 13-23-18 h: 110km, M: 6		
	TY	P	15		ZS	-iP	13 29 27
	LF	P	17			pP	51
	TU	eP	17				
	YMK	P	17				
	SA	P	22				
	PT	P	29				
	TS	P	34				
	YC	P	38				

1956 June

15

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s	
28	ZS	PP	13 30 33	3	NK	e(P)	06 29 59	
		iS	34 23		ZS	eP	30 33	
	NK	iP	29 37			eS	38 43	
		i(sP)	30 05	4	Epc: $50^{\circ} \frac{1}{2} N$ , $169^{\circ} \frac{1}{2} W$ O: 07-09-16, M: 6			
		iS	34 40			CC	eP	07 17 13
	SA	P	30 15			PK	+iP	18 17
	TS	eP	27				S	25 30
	YC	eP	51			ZS	+iP	18 37
	WW	eP	59				iS	26 08
	PK	-P	46			NK	+P	18 43
		sP	31 23			S	26 18	
	i	32 21		SA	e(P)	19 16		
	e(S)	36 31			eS	27 17		
30	*Epc: $23^{\circ} S$ , $178^{\circ} \frac{1}{2} W$ O: 15-41-57, h: 350km			8	*Epc: $35^{\circ} N$ , $67^{\circ} \frac{1}{2} E$ O: 04-07-26, M: 5			
	ZS	e	16 02 54		PK	e(P)	04 14 51	
	NK	eP	15 53 39		ZS	eP	15 44	
		S	16 03 19		NK	e(P)	17 17	
	CC	eP	15 53 52					
		i	55 19					
PK	eP	54 08	8	PK	e	14 13 04		
	S	16 04 20		ZS	ePKP	10		
SA	eS	42		NK	ePKP	12		
31	Epc: Near Fiji Is. O: 21-01-26			9	*Epc: $30^{\circ} \frac{1}{2} S$ , $70^{\circ} \frac{1}{2} W$ O: 10-08-32 h: 150km, M: $6 \frac{3}{4}$			
	ZS	e(P)	21 12 38		CC	ePKP	10 28 32	
		eS	21 44		PK	-PKP <sub>1</sub>	36	
	NK	eP	12 49			iPKP <sub>2</sub>	29 47	
		eS	22 07			-iPP	33 31	
PK	eP	13 21		iSKKS	40 19			
	e	22 49		ZS	ePKP	28 35		
June						PP	33 35	
3	*Epc: $79^{\circ} \frac{1}{2} N$ , $118^{\circ} \frac{1}{2} W$ O: 05-19-23					iSKKS	40 21	
	CC	e(P)	05 28 36	CY	ePKP	28 37		
	PK	eP	29 08	NK	-PKP	38		
		e(S)	37 00		-iPP	33 48		
					SKKS	40 29		
				TS	ePKP	28 41		
				TU	ePKP	41		
				SA	e(PKP)	44		



1956 June

16

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
9	SA	iPP	10 34 13	12	SN	eP	03 15 55
	SN	ePKP	28 48		TS	e(P)	16 11
	YC	ePKP	49		CY	eP	23
	SC	ePKP	51		WW	e(P)	23
					YC	e	49
					SA	e(P)	17 46
9	Epc: $36^{\circ}15'N$ , $66^{\circ}15'E$				TY	e(P)	27
	O: 23-13-50, M: $7\frac{1}{4}$				TU	eP	44
					PK	eP	18 01
	YM	P	23 19 03		S	S	22 31
	CY	eP	34		ZS	e	23 23
	SN	P	44				
	WW	eP	47	13	Epc: $1^{\circ}N$ , $123^{\circ}15'E$		
	YC	eP	20 12		O: 12-07-35, *M: $5\frac{1}{2}$		
	TS	P	15		ZS	eP	12 13 46
	SA	P	26		S	S	18 42
	PT	P	37		NK	eP	14 02
	LF	P	50			eS	19 08
	TY	P	50		PK	eP	15 06
	SC	eP	51			PP	16 44
	TU	eP	21 02			eS	20 06
	PK	+iP	16		TS	P	14 54
	NK	P	48		TY	eP	58
		S	28 12		TU	eP	15 16
	CC	iP	22 05		WW	eP	27
		(S)	28 37				
	ZS	+iP	22 06	16	Epc: $28^{\circ}N$ , $132^{\circ}E$		
		S	28 44		O: 06-19-21, *M: $5\frac{1}{2}$		
11	*Epc: $50^{\circ}15'N$ , $89^{\circ}E$				ZS	+iP	06 21 38
	O: 23-54-43, M: $4\frac{3}{4}$				iS	iS	23 27
	YM	e	22 59 35		NK	+iP	22 09
	CY	e	23 01 40		iS	iS	24 20
	WW	e	03 01		FL	eP	22 34
	YC	e	44		CC	P	23 15
	SN	e	45			eS	26 18
	PT	e	04 09		PK	eP	23 25
	LC	e	30		TY	eP	42
	TU	e	05 14		SC	P	42
	SA	e	06 26		HRB	eP	43
	SC	e	53		YMK	eP	47
	PK	eP	22 59 42		TU	eP	49
		e	23 06 14		SA	(P)	24 05
	KT	e	05 56		S	S	27 39
	CC	e	08 10		PT	eP	24 20
12	Epc: $23^{\circ}15'N$ , $92^{\circ}E$				TS	eP	26
	O: 03-12-24, *M: $5\frac{1}{4}$				WW	eP	56

1956 June

17

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
21	*Epc: 5°S, 120°E O: 19-40-12, M: 5.7			24	PK	eP	21 08 46
	ZS	e(P)	19 47 20			i	09 10
	NK	eP	25			eS	16 41
		PP	48 54		SA	S	54
		eS	53 11	27	Epc: 22° $\frac{1}{2}$ N, 120°E O: 18-57-26, M: 4 $\frac{3}{4}$		
	PK	eP	48 30		ZS	e(P)	18 59 33
		S	55 09			eS	19 01 12
23	*Epc: 56° $\frac{1}{2}$ N, 163° $\frac{1}{2}$ E O: 02-18-02, M: 6 $\frac{3}{4}$				NK	eP	18 59 44
	CC	eP	02 23 44			eS	19 01 30
		eS	28 29		PK	+P	38
	PK	+P	24 51			PP	56
		S	30 29			S	04 54
	ZS	+iP	25 25		CC	eP	02 18
		eS	31 39		LC	e	24
	NK	eP	25 30		WW	e(P)	24
		eS	31 40		CY	e	03 31
	SA	e(P)	26 07	28	*Epc: 48° $\frac{3}{4}$ N, 129° $\frac{1}{4}$ W O: 22-58-50, M: 6 $\frac{1}{4}$ -6 $\frac{1}{2}$		
23	Epc: 34° $\frac{1}{2}$ N, 123°E O: 21-17-30				CC	e(P)	23 09 43
	ZS	ePn	21 18 23		PK	e(P)	10 27
		iP	32			ePcP	41
		iS	19 12			eS	20 05
	NK	ePn	18 39		ZS	e(P)	10 51
		P	50			iPcP	11 06
		S	19 43			S	20 54
	PK	e	21 39		NK	e(P)	10 57
	TY	e	53			i(PcP)	11 08
	LF	e	22 20			eS	20 58
	CC	e	50	29	Epc: 24°N, 123°E O: 02-21-53, M: 5 $\frac{1}{2}$		
	SA	e	23 29		ZS	eP	02 23 37
24	*Epc: 7°S, 155°E O: 20-58-36, M: 6 $\frac{1}{4}$					eS	24 56
	ZS	e	21 07 38			i	25 06
		i	08 20		NK	eP	23 58
		iS	14 40			S	25 35
	NK	e(P)	07 50			i	56
		i	08 39		SC	eP	23
		iS	15 11		DR	eP	30
					SA	eP	34

1956 July

18

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
29	TY	eP	02 25 45	30	TS	P	15 54 28
	PK	iP	52			S	56
		S	29 53		LC	eP	46
	KT	eP	25 57			e	51
	TS	eP	26 06			S	55 25
	TU	eP	07		SA	P	04
	PT	e(P)	24			iS	56
	CC	eP	27		SN	e	56 04
		ePP	41		WW	e	26
		e	30 17		CY	e	36
	YC	e(P)	26 30		YC	P	55 33
	LC	e(P)	30			S	56 51
	SN	eP	48		SC	e	42
	WW	eP	48		LF	e	57 19
	CY	e	27 07		TY	e	58 03

29 Epc: 37°N, 141°E  
O: 04-09-43

CC	eP	04 12 59
ZS	-P	13 46
	eS	16 57
NK	eP	14 04
	eS	17 26
PK	eP	14 08
	eS	17 38

29 Epc: 13°N, 121°E  
O: 17-43-22

ZS	+iP	17 47 37
	e(S)	51 03
NK	eP	48(11)
	iPP	25
	eS	51 43
SA	eP	48 42
PK	+P	49 11
	ePP	53
	eS	53 48

30 Epc: 33°N, 104°E  
O: 15-53-46, M: 4½

TS	Pn	15 54 24
	i	26

TU	e	59 06
PT	e	15
KT	e	54
PK	e	58
NK	i	16 0 23
ZS	e	44
CC	e	04 15

July

3 \* Epc: 28°N, 85°E  
O: 10-17-56, M: 5.2

SA	e	10 22 58
NK	e	35 14
ZS	e	29
PK	eLm	35 <sup>m</sup> .8

3 \* Epc: 37°N, 70°E  
O: 23-26-18  
h: 230km, M: 6

PK	eP	23 33 39
	eS	38 13
SA	i	37 01
NK	e	39 00
ZS	e(S)	45

4 \* Epc: 18°S, 178°W  
O: 00-39-55, h: 450km

1956 July

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
4	ZS	-P	00 51 01	12	WW	eP	15 05 21
	PK	-P	42		CY	eP	25
	SA	e	52 00		SA	eP	27
						i	07 30
						iS	08 41
4	Epc: 6° <sup>1</sup> / <sub>2</sub> S, 156°E O: 03-42-48				YM	eP	05 28
					CT	eP	31
						S	08 45
	ZS	+iP	03 51 49		SA	eP	05 50
		e	58 59		NK	eP	06 35
	CT	+P	51 57			(PP)	07 10
		S	59 17			eS	10 44
	PK	+P	52 54		ZS	eP	06 49
		S	04 01 01			S	11 10
	SA	e	54 25		PK	eP	06 51
						ePP	07 35
						S	11 14
9	Epc: 37°N, 24° <sup>1</sup> / <sub>2</sub> E O: 03-11-33, *M: 7 <sup>1</sup> / <sub>2</sub>			14	Epc: 19°N, 122°E O: 22-05-43		
	YM	P	03 21 08		CT	eP	22 07 45
	CY	P	35			iS	09 13
	WW	P	44		ZS	e	08 24
	SN	eP	44			e	11 08
	LC	e(P)	57		NK	eP	08 44
	PT	P	22 11		SA	eP	10 03
	SA	eP	28		PK	e(P)	24
	TU	P	28			iPPP	59
	TY	eP	33			eS	14 13
	LF	eP	35		CC	eP	10 59
	PK	-iP	39				
		i(PP)	25 20	15	*Epc: 28°N, 139°E O: 12-52-16, h: 500km		
		iPPP	26 52		ZS	eP	12 55 43
		S	31 40			eS	58 27
	CC	P	23 01		NK	-iP	56 06
		i(PP)	25 38			S	59 08
		eS	32 28		PK	-P	56 45
	NK	-P	23 15			eS	13 00 21
		PP	26 05	16	Epc: 22°N, 96°E O: 15-07-02, M: 6		
		PPP	27 42		TS	P	15 10 43
		S	32 49		SN	eP	44
	QT	-P	23 21		LC	P	47
		iS	32 58				
	ZS	-iP	23 28				
		PP	26 25				
		PPT	28 13				
		S	33 14				
		sS	38 21				
12	Epc: 22°N, 93° <sup>1</sup> / <sub>2</sub> E O: 15-01-23, M: 5 <sup>1</sup> / <sub>2</sub>						

1966 July

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
16	CT	eP	15 10 54	17	ZS	-iP	07 40 50
	NW	P	11 03			pP	42 12
	SA	iP	03			PP	32
	CY	eP	10			iS	46 08
	YM	iP	19			sS	48 36
	SC	eP	21		NK	-iP	41 01
	YC	P	27			pP	42 23
	LF	eP	35			PP	47
	FL	eP	41			S	46 26
	TY	P	52			sS	48 53
	PT	eP	59		FL	eP	40 59
	NK	+P	12 06		SC	eP	41 37
		PP	42		YMK	P	09
		eS	16 11		SA	P	40
	ZS	+iP	12 21			S	47 37
		PP	55		LF	P	48
		S	16 38		DR	eP	41 52
	TU	P	12 16		TY	P	56
	PK	+iP	28		PK	-iP	42 05
	KT	eP	23			pP	43 30
	DR	eP	58			PP	56
	CC	P	13 40			S	48 20
		PP	14 44			sS	50 57
		eS	18 57			SS	51 53
					KT	eP	42 09
					LC	eP	06
					TU	P	15
					YC	eP	16
					SN	P	20
					PT	eP	20
					NW	P	24
					CC	P	26
						S	48 59
					CY	eP	42 37
					HRB	P	43
					YM	eP	56
16	Epc: 51°S, 178°W			18	Epc: 5°S, 152°E		
	O: 21-34-07				O: 00-27-35		
	PK	eP	21 42 28		ZS	+P	00 35 59
		S	49 11			S	42 42
		ScS	52 18		CT	+P	36 04
	ZS	eP	42 49			eS	42 52
		eS	49 48		NK	+P	36 16
	NK	eP	42 55			S	42 13
		eS	49 57		PK	+P	37 08
	TU	eP	42 45			S	44 48
	SA	eP	43 33				
		eS	51 05				
17	Epc: 6°S, 127°E						
	O: 07-34-16						
	h: 450km, M: 7						
	CT	-iP	07 40 03				
		ipP	41 29				
		iS	44 42				
		sS	47 06				

1956 July

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Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s		
18	Epc: 6°S, 130°E					19	PK	PPP	20	47	14		
	O: 06-19-38							S	50	48			
	h: 200km, *M: 7 $\frac{1}{4}$ -7 $\frac{1}{2}$							SS	51	52			
	CT	+iP	06	25	54			KT	eP	46	38		
		pP		26	33								
		iS		30	53								
	ZS	+iP		26	32			21	Epc: 49° $\frac{1}{2}$ N, 148° $\frac{1}{2}$ E				
		pP		27	11				O: 14-51-10				
		PP		28	04				h: 600km ca., *M: 5.4				
	NK	iS		32	04			HR	P	14	54	17	
		P		26	45				S	56	48		
		pP		27	28				CC	iP	54	33	
	eS		32	29	S			57		17			
	P		26	44	PK			-iP		55	42		
	FL	P		26	44			ZS	-iP	58	10		
	SC	P		27	27			S	15	00	10		
	SA	iP		31				NK	-iP	14	56	15	
	DR	eP		34				iS	15	00	18		
	YMK	eP		35				21	Epc: 22° $\frac{1}{2}$ N, 69° $\frac{1}{2}$ E				
	LF	P		35					O: 15-32-23, M: 6 $\frac{1}{2}$				
	TY	P		44					SN	eP	15	38	45
	TS	P		44					WW	eP		53	
PK	+iP		51		LC	eP			56				
KT	P		27	53	YC	eP	39		20				
TU	P		28	02	SA	P			30				
CC	iP		07		PT	P			48				
YC	eP		08		SC	eP			48				
PT	eP		10		TY	eP			58				
SN	P		14		CT	+P	40	01					
LC	P		17		S	46	08						
WW	P		17		TU	P	40	08					
HRB	eP		22		PK	+iP		23					
YM	P		49		PP	42	07						
19	Epc: 14°N, 121°E					PPP	26						
	O: 20-40-51, *M: 5 $\frac{1}{2}$					S	46	48					
	ZS	+P	20	44	43	NK	+iP	40	35				
		S		47	49		iPP	42	22				
	NK	+P		45	00	S	47	09					
		eS		48	14	ZS	+iP	40	51				
	SA	P		45	52	PP	42	45					
	LF	eP		56		S	47	37					
	TS	eP		46	08	CC	P	41	21				
	TY	eP		10		23	Epc: 4° $\frac{1}{2}$ S, 154°E						
	PK	+P		22			O: 14-25-46						
		PP		59									

22 1956 July

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
23	ZS	-P	14	34	23	24	PK	S	19	10	00
	CT	e(P)			29						
	NK	eP			40						
		eS			41 43	26	*Epc: 27°S, 178°E				
	PK	e(P)			35 43		O: 17-49-12, h: 650km				
23	*Epc: 24°S, 112°W O: 19-25-58, M: 6 $\frac{3}{4}$										
	ZS	ePKP	19	45	24		ZS	-P	18	00	18
	NK	ePKP			31			eS		09	31
	PK	-PKP			36		CT	eP		00	24
	SA	ePKP			54			eS		09	43
							NK	-P		00	03
								eS		09	55
							CC	eP		00	51
								eS		10	35
							PK	-P		01	02
								eS		11	00
23	Epc: 5°S, 148° $\frac{1}{2}$ E O: 21-57-04										
	CT	eP	22	05	11	28	Epc: 5°S, 156°E O: 02-01-49				
	ZS	+P			14		ZS	eP	02	10	32
		PP			07 02			eS		17	26
	NK	eP			05 31		CT	eP		10	40
		S			12 17			S		17	42
	PK	eP			06(32)		NK	S			57
							PK	eP		11	36
								eS		19	29
24	Epc: 30° $\frac{1}{2}$ N, 139°E O: 13-00-13, h: 400km						SA	iS			43
	ZS	e	13	03	26	29	Epc: 37°N, 102°E O: 23-14-52				
		S			06 02		WW	eP	23	15	08
	NK	+P			03 47			e			15
		S			06 40			eS			18
	CC	P			03 51		SN	eS			27
		S			06 47		LC	eP			34
	PK	+iP			04 23			e			16 59
	SA	S			09 00			eS			17 05
							CY	eP			15 34
								eS			16 02
24	Epc: 2°N, 127° $\frac{1}{2}$ E O: 18-56-46, M: 5.8						YC	eS			52
	CT	+P	19	01	59	30	Epc: 27° $\frac{1}{2}$ N, 130°E O: 11-23-33, M: 4 $\frac{3}{4}$				
		S			06 13		NK	e(P)	11	26	02
	ZS	+P			02 46						
		S			07 32						
	NK	eP			02 58						
		eS			07 56						
	PK	+P			04 07						

1956 August

23

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
30	CT	eP	11 27 16	9	Epc: 16°S, 175°W O: 23-00-45 h: 300km, M: 6½		
	PK	eP	28		ZS	-P	23 12 11
		PP	43			pP	13 19
		eS	30 32			sP	53
	CC	eP	27 28			PPP	17 00
	eS	30 33	S	21 35			
August							
2	CC	eP	07 21 46	NK	-iP	12 24	
	PK	eP	23 10		pP	15 35	
		eS	27 14		sP	14 06	
4	* Epc: 5°S, 153°E O: 09-48-45 h: 60km, M: 6½ - 6½			CT	iS	22 05	
	ZS	eP	09 57 15		eS	24 07	
		ePP	59 03		SS	27 17	
		eS	10 04 09		-P	12 28	
	NK	eP	09 57 32		pP	13 39	
		eS	10 04 42		sP	14 10	
	PK	eP	09 58 23		PP	15 35	
		S	10 06 12		iS	22 12	
					eS	24 14	
					SS	27 23	
5	* Epc: 41°N, 144°E O: 09-09-12, M: 5.4			CC	P	12 31	
	CC	(eP)	09 12 27		pP	13 42	
	PK	eP	13 50		S	22 17	
		S	17 55		P	12 33	
	NK	e(P)	13 39		-iP	51	
		eS	18 08		pP	14 03	
					sP	34	
					PP	16 10	
					S	22 57	
					P	12 57	
6	Epc: 27°N, 128°E O: 17-22-53			KT	P	12 57	
	ZS	e(P)	17 24 39		SC	eP	13 00
	PK	eP	26 46		TU	eP	06
		eS	29 49		eS	23 24	
	CC	P	26 55		SA	P	13 11
12	SA	e	27 28	YC	S	23 31	
					WW	eP	13 26
						eP	36
					* Epc: 19°S, 176°W O: 00-25-42, h: 200km		
					ZS	eP	00 37 25
			NK	-iP	39		



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1956

August

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
✓ 12	CC	-iP	00	37	50	15	Z3	i	05	35	44
	PK	-iP		38	07			eS		32	34
								i		35	44
							TS	eP		27	07
12	*Epc: 34°N, 138°E						SC	eP		17	
	O: 16-59-33, M: 6 $\frac{1}{4}$						LC	eP		18	
	CC	P	17	03	03		LF	eP		28	
		iS		06	02		WN	eP		33	
	ZS	+iP		03	08		YC	eP		42	
		S		06	12		TY	eP		43	
	MK	+iP		03	32		PT	eP	28	02	
		S		06	58		TU	eP		05	
	FL	eP		04	00		PK	-iP		09	
	TU	eP			30			ePP		29	54
	CT	+P		05	02			iS		34	07
		iS		09	36		KT	eP		28	09
	SA	e(P)		05	12						
13	Epc: 32°N, 104°E					15	Epc: 1°S, 124°E				
	O: 12-40-05, M: 4						O: 10-51-13				
							h: 100km, *M: 5 $\frac{3}{4}$				
	TS	eP <sub>n</sub>	12	40	40		CT	+P	10	56	34
		eP			47			sP		57	05
		eS <sub>n</sub>	41	06				S	11	00	51
		eS			13			sS		01	31
	LC	eS			46		ZS	+P	10	57	28
	SA	e(P)			12			PP		58	40
	YC	e			53			S	11	02	26
	LF	e	42	08				sS		03	04
	TY	e			42		NK	+P	10	57	40
	WN	e			52			+iP		43	
	PK	e	46	21				sP		58	14
	ZS	e	47	56				PP		56	
	CC	e	50	29				S	11	02	50
15	Epc: 0°, 101°E						FL	eP	10	57	40
	O: 05-20-42						SC	eP		58	19
	*h: 280km, M: 6						SA	P		19	
	CT	eP	05	25	48		LF	eP		29	
		e			26		TS	eP		30	
		iS			29		TY	P		39	
		sS			31		PK	+iP		47	
	NK	iS			32			sP		59	21
		i			35			PP	11	00	29
	ZS	eS			32			S		04	49
					32		LC	eP	10	58	50
					34		TU	eP		57	
							SN	eP		58	
							YC	P		59	00

1956 August

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
15	WW	P	10 59 05	19	TY	iS	00 45 10
	PT	eP	06		TU	eP <sub>n</sub>	13
	CC	eP	14			eP	17
		PP	56		PK	+P <sub>n</sub>	16
		(eS)	11 05 40			P	22
	HRB	eP	10 59 32			S <sub>n</sub>	50
	YM	eP	39			e	54
						S	58
					LF	eP <sub>n</sub>	22
15	Epc: 45° <sup>1</sup> / <sub>3</sub> N, 152° <sup>1</sup> / <sub>3</sub> E					P	32
	O: 13-12-10					eS <sub>n</sub>	56
	h: 60km, M: 6 <sup>1</sup> / <sub>2</sub>				PT	e(P)	46
	HRB	eP	13 16 16		SA	(S)	47 26
	CC	P	20		YC	e(S)	42
		(PP)	56		TS	e	48 16
		(eS)	19 37		NK	e	19
	DR	eP	17 20		WW	e	27
	PK	+iP	48		LC	e	52
		sP	18 08		SN	e	49 25
		eS	22 20		ZS	e	39
	KT	eP	17 56				
	ZS	P	18 01	21	Epc: 38°N, 114°E		
		sP	22		O: 16-02-28		
		PPP	59		TY	S	16 03 03
		S	22 40		TU	S	41
	NK	eP	18 08		PK	P	20
		sP	30			e	48
		(S)	22 52			S	54
	TU	eP	18 11		LF	e	32
		eS	22 58			S	04 03
	TY	eP	18 23		KT	e	03 51
	YC	eP	49		SC	e	04 28
	SA	eP	19 06		SA	e	05 23
	TS	eP	16		YC	e	37
	LC	eP	23				
	CT	eP	33				
		eS	25 25	22	Epc: 28°N, 95° <sup>1</sup> / <sub>3</sub> E		
	SN	eP	19 32		O: 19-40-14, M: 5		
	CY	eP	35		SN	e	19 41 39
	YM	eP	46		TS	e	42 15
19	Epc: 37° <sup>1</sup> / <sub>3</sub> N, 114° <sup>1</sup> / <sub>3</sub> E				LC	e	18
	O: 00-44-33, M: 4 <sup>1</sup> / <sub>2</sub>				WW	e	25
	TY	eP <sub>n</sub>	00 44 52		CY	e(P)	54
		iP	56		SA	e(P)	43 11
		iS <sub>n</sub>	45 06			i	47 20
					YM	e	43 12

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
22	YC	e	19 43 48	30	ZS	+P	04 34 11
	SC	e	52		S		42 21
	LF	e	44 05		NK	+P	34 14
	PT	e	25				
	TU	e	43				
	NK	+iP	58				
	PK	+P	45 00				
		e	43 08				
	ZS	i	45 19				
	CC	P	46 15				

September

23 \*Epc: 27°N, 101°E  
O: 23-20-20, M: 4 3/4

SA	e	23 24 34
YC	e	25 49
ZS	e	28 51
NK	e	29 05
TU	e	12

24 Epc: 52°N, 174°E  
O: 04-27-33  
h: 100km, M: 6 1/2

CC	eP	04 34 01
	pP	26
	ePP	35 13
	eS	39 12
PK	+iP	35 08
	sP	44
	S	41 16
ZS	+iP	35 33
	sP	36 11
	(PP)	37 09
	S	41 57
NK	+iP	35 37
	PP	37 25
	S	42 05
SA	eP	36 15

30 \*Epc: 54°N, 164°W  
O: 04-24-24, M: 6

CC	eP	04 32 44
PK	+P	33 44

3 Epc: 37°N, 114°E  
O: 08-15-24, M: 4 3/4

TY	eP	08 15 43
	S	58
TU	eP	16 05
	S	35
PK	Pn	09
	e	12
	P	15
	S <sub>n</sub>	42
	e	46
	S	52
LF	eP <sub>n</sub>	10
	e	13
	eP	19
	eS <sub>n</sub>	45
	e	51
	S	55
KT	e	11
	eS <sub>n</sub>	47
SC	P	48
	eS <sub>n</sub>	17 17
	e	32
PT	e(P)	16 37

11 \*Epc: 16°S, 3, 178°E  
O: 02-32-28, M: 6

ZS	eP	02 44 03
	PP	46 50
	e(S)	53 23
NK	eP	44 15
CC	eP	24
PK	+P	44
	eS	54 55

1956 September

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Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
11	*Epc: 17°S, 169°E O: 15-44-04, M: 6					16	CY	P	08	42	54
							SN	eP	43	02	
							WW	P		00	
	ZS	eP	15	55	00		LC	P		16	
		eS	16	03	56		TS	P		33	
	NK	eP	15	55	12		YC	eP		35	
		eS	16	04	20		SA	e(P)		57	
	CC	+P	15	55	38			iS	49	12	
	PK	eP			52		PT	eP	43	57	
		S	16	05	36		YMK	eP	44	04	
	SA	e(P)	15	56	07		SC	eP		12	
		e(S)	16	05	54		TY	eP		16	
							TU	P		23	
							KT	eP		34	
							PK	+iP		38	
								PP	46	06	
								S	50	26	
	CC	+P	21	08	45		FL	eP	44	54	
	PK	eP	10	01			CT	+iP		57	
		eS	14	45				PP	46	34	
	TU	e(P)	10	22				S	50	59	
	ZS	+iP		24			NK	+P	45	07	
		eS	15	28				PP	46	44	
	NK	+iP	10	31				S	51	22	
		eS	15	40			DR	eP	45	15	
							ZS	+iP		25	
								PP	47	12	
								iS	51	53	
15	*Epc: 20°S, 69°W O: 07-39-04 h: 100km, M: 6½						CC	+P	45	24	
								PP	47	14	
								S	52	02	
	CC	-PKP1	07	58	48						
		PKP2		59	08						
		PP	08	02	42						
	PK	-iPKP	07	58	57						
	ZS	-iPKP1		59	02						
		PKP2	08	00	02						
		PP		03	48						
	NK	-iPKP1	07	59	02						
		PKP2	08	00	01						
		PP		03	52						
	CT	-PKP	07	59	10						
		PP	08	04	41						
16	Epc: 33°N, 70°E O: 08-37-20, M: 6½						YM	eP	08	42	27
17	*Epc: 5°N, 15°E O: 20-19-07, h: 150km						SA	(eP)	20	25	21
							TU	eP		26	23
							PK	+iP			28
								S		36	36
							CC	+P		27	23
19	Epc: 24°N, 93°E O: 23-47-48, h: 120km, M: 6						SN	eP	23	51	07
							WW	eP			18

28 47-48 1956 September

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
19	CY	eP	23 51 30 ✓	24	LF	e( $\bar{P}$ )	17 39 41
	YM	eP	35 ✓			i $\bar{S}$	53
	SA	eP	36 ✓		TY	$\bar{P}$	45
	CT	iP	47 ✓			i $\bar{S}$	40 00
	NK	+iP	52 42 ✓		YMK	e $\bar{P}$	39 52
	TU	eP	44 ✓			$\bar{S}$	40 11
	PK	+P	57 ✓		SC	e $\bar{P}$	04
		pP	53 22 ✓			$\bar{S}$	32
		S	57 09 ✓		TU	e $\bar{S}$	41 14
					SA	e	40 27
20	Epc: 52° $\frac{1}{2}$ N, 160°E O: 21-51-52, M: 6					e $\bar{P}$	33
						$\bar{S}$	41 16
	CC	eP	21 57 08 ✓		PT	e $\bar{S}$	26
		S	22 03 33 ✓		PK	e( $\bar{R}$ )	40 47
	PK	+P	21 58 22 ✓			e( $\bar{S}$ )	41 48
		S	22 03 33 ✓	27	Epc: 38° $\frac{1}{2}$ N, 104° $\frac{1}{2}$ E O: 20-16-21, M: 3 $\frac{1}{2}$		
	KT	eP	21 58 30 ✓		WW	e $\bar{P}$	20 16 48
	TU	eP	47 ✓			e	17 03
	ZS	+iP	51 ✓			$\bar{S}$	07
		PPP	22 00 33 ✓		YC	eP <sub>n</sub>	16 52
		S	04 23 ✓			$\bar{P}$	53
	NK	+iP	21 58 56 ✓			S <sub>r</sub>	17 12
		eS	22 04 34 ✓			$\bar{S}$	14
	LF	eP	21 59 10 ✓		LC	eP <sub>n</sub>	05
	SA	eP	51 ✓			eS <sub>n</sub>	37
	CT	+iP	22 00 20 ✓		SN	e( $\bar{P}$ )	16
		ePP	02 03 ✓		CY	e $\bar{P}$	13
		e(S)	09 03 ✓		TS	e $\bar{P}$	39
		SS	10 18 ✓		SA	e(S)	19 18
24	Epc: 34°N, 69°E O: 10-20-37, M: 6.2				LF	e(P)	18 14
					PT	e	17 52
	YM	eP	10 25 42 ✓			e(S)	18 52
	PK	eP	27 53 ✓		TU	e	19 37
		e(S)	33 45 ✓		PK	e(P)	14
	CT	eP	28 14 ✓	29	Epc: 7° $\frac{1}{2}$ N, 93° $\frac{1}{2}$ E O: 09-03-37, M: 6		
		eS	34 16 ✓		CT	e(P)	09 08 59 ✓
	NK	n(P)	28 29 ✓			(S)	13 20 ✓
		e(S)	34 49 ✓		SA	eP	09 55 ✓
	ZS	e(P)	28 45 ✓			e(S)	14 49 ✓
		eS	35 10 ✓		NK	eP	10 22 ✓
						eS	15 46 ✓
24	Epc: 37°N, 111° $\frac{1}{2}$ E O: 17-39-23, M: 3 $\frac{1}{2}$						

1956 October

29

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
29	ZS	-P	09 10 32 ✓	29	ZS	SS	23 23 14 ✓
		PP	11 50 ✓		NK	P	25 03 ✓
		eS	16 02 ✓			PP	21 ✓
	TU	eP	10 57 ✓			S	28 29 ✓
	PK	eP	11 01 ✓		PK	+iP	25 13 ✓
		PP	12 36 ✓			(PP)	32 ✓
		S	16 56 ✓			eS	28 46 ✓
		eSS	19 32 ✓		KT	eP	25 20 ✓
	CC	-P	12 03 ✓		FL	eP	25 ✓
		eS	18 44 ✓		CT	+P	26 24 ✓
						S	30 57 ✓
					SA	eP	26 26 ✓

29 \*Epc: 37°<sup>1</sup>/<sub>2</sub>N, 141°E  
 O: 21-20-52, M: 6<sup>1</sup>/<sub>2</sub>

20-55

CC	eP	21 23 59 ✓
	S	23 36 ✓
ZS	+iP	24 54 ✓
	eS	28 21 ✓
NK	P	25 11 ✓
	(eS)	28 56 ✓
PK	+iP	25 12 ✓
	S	28 56 ✓
TU	eP	25 42 ✓
CT	+P	26 40 ✓
	ePP	27 32 ✓
	e(S)	21 26 ✓

October

2 Epc: 52°N, 160°E  
 O: 14-56-29, \*M: 6<sup>1</sup>/<sub>2</sub>-6<sup>1</sup>/<sub>2</sub>

CC	P	15 01(40)
	eS	05(50)
PK	eP	02 53
TU	eP	03 10
ZS	eP	17
NK	-P	25
CT	-iP	04 46
	eS	11 23

29 \*Epc: 3°N, 128°E  
 O: 22-22-48, h: 60km

CT	(P)	22 28 16 ✓
	(S)	32 20
ZS	e	28 58
	e(S)	33 38
NK	e	29 21
SN	P	30 01
PK	eP	07

5	CC	eP	21 54 16
	PK	eP	31

6 Epc: 2°<sup>1</sup>/<sub>2</sub>N, 127°E  
 O: 06-16-07

CT	-P	06 21 38
	eS	25 29
ZS	e(P)	21 59
NK	-iP	22 12
PK	-iP	23 23
	eS	29 12
CC	-P	23(41)

29 Epc: 36°N, 141°E  
 O: 23-20-43, M: 6

CC	eP	23 24 08 ✓
	eS	26 51 ✓
DR	eP	24 29
ZS	+iP	43 ✓
	S	27 54 ✓

7 Epc: 12°S, 168°E  
 O: 21-27-47

30 1956 October

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
7	ZS	+P	21 38 06	9	ZS	eP	06 31 52
		(eS)	46 21			eS	42 05
	CT	+iP	38 18		NK	eP	32 06
		eS	46 49			e(S)	42 28
	NK	+P	38 22		CT	eP	32 06
		(eS)	46 57		PK	eP	34
	PK	+P	39 01			SKS	43 03
						eS	26

8 Epc: 4°S, 144°E  
O: 00-19-47, h: 110km

CT	+P	00 27 22
	epP	48
	sP	28 01
	S	33 24
	sS	34 05
ZS	+iP	27 29
	pP	54
	sP	28 09
	S	35 39
	sS	34 25
NK	+iP	27 45
	pP	28 11
	S	34 08
	iss	55
PK	+iP	28 44

10 \*Epc: 28°<sup>1</sup>/<sub>2</sub>N, 78°E  
O: 15-31-34, M: 5

SN	eP	15 36 38
	eS	40 35
WW	eP	36 50
	eS	40 55
LC	(eP)	36 52
	eS	41 00
PK	eP	38 22

11 Epc: 45°<sup>1</sup>/<sub>2</sub>N, 149°E  
O: 02-24-40  
h: 60km, M: 7<sup>1</sup>/<sub>2</sub>

CC	iP	02 28 39
TT	eP	29 53
	S	34 01
PK	+iP	29 58
	S	34 12
KT	eP	30 01
ZS	+P	14
	PP	57
	S	34 41
TU	eP	30 22
NK	+P	22
	PP	31 01
	S	34 59
	iss	36 09
TY	eP	30 33
PT	P	36
YMK	eP	55
YC	eP	31 10
SA	P	13
	PP	32 13
	PoP	34 00
	S	36 22
LC	eP	31 32
WW	eP	31

\*Epc: 20°S, 174°W  
O: 14-55-49, M: 5<sup>1</sup>/<sub>2</sub>

ZS	+P	15 08 06
	S	18 19
NK	+P	08 17
	is	18 42
CT	+P	08 19
	S	18 46
PK	+iP	08 45
	SKS	19 16
	S	41

8	CT	eP	17 24 04
	ZS	e(P)	26
	PK	+P	26 20
		eS	29 36

9 Epc: 19°<sup>1</sup>/<sub>2</sub>S, 174°W  
O: 06-19-37





Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
15	Epc: 10°N, 127°E O: 07-45-31, *M: 5.8			22	ZS	iPS	12 51 31
	CT	(eP)	07 49 43		NK	eP	44 19
		(S)	53 17		CC	iS	51 35
	ZS	(eP)	50 28			eP	45 06
		PP	52			pP	37
		S	54 30		PK	PcP	53
	NK	eP	50 43			-P	13
		eS	54 54			epP	42
	PK	eP	51 58			iS	53 11
		eS	57 02		SA	iScS	54 59
	SA	(eS)	58 41			eS	53 15
19	*Epc: 21°S, 179°W O: 12-00-38 h: 650km, M: 6			23	Epc: 13°N, 121°E O: 08-41-21 h: 60km, M: 6		
	CT	eP	12 11 45		CT	+P	03 44 10
	ZS	(P)	31			iSP	30
	NK	eP	46		ZS	+iP	45 23
	CC	-iP	12 00			iSP	42
	PK	eP	16			i(S)	48 41
					FL	P	45 34
					NK	+iP	38
						iSP	46 00
						S	48 58
					TT	eP	46 17
						esP	39
					SC	eP	22
					SA	eP	28
					TY	eP	47
					PK	+iP	57
						iSP	47 18
						iS	51 27
					KT	eP	47 01
					LC	eP	03
					PT	eP	15
					WW	eP	21
					CC	eP	23
					YM	eP	55
19	Epc: 52°N, 177°E O: 20-47-41, M: 6½						
	CC	eP	20 54 29				
	PK	-iP	55 33				
		PcP	56 23				
		S	21 01 51				
	KT	eP	20 55 37				
	ZS	eP	57				
		eS	21 02 35				
	NK	e(P)	20 56 01				
		eS	21 02 49				
	PT	eP	20 56 02				
	WW	eP	47				
	SA	e(P)	49				
22	Epc: 10°S, 151°E O: 12-35-21, h: 120km			24	*Epc: 12°N, 87°W O: 14-42-10, M: 7½		
	ZS	-iP	12 44 04		PK	ePKP	15 01 14
		(pP)	35		ZS	+iPKP	25
		sP	45 01			iPP	04 49
		eS	51 02		NK	ePKP	01 26
						iPP	04 50

1956 October

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
24	SA	PP	15 04 57	26	PK	+P	23 01 45
						PPP	06 07
						eS	11 03
26	Epc: 5° <sup>1</sup> / <sub>2</sub> S, 131°E O: 08-54-51, h: 150km				SW	eP	01 41
					KT	eP	51
	CT	eS	09 06 18		TY	eP	53
		sS	07 15		LF	eP	54
	ZS	S	31		SA	P	02 02
		sS	08 28		TU	eP	03
		SS	10 21		WW	P	37
		ScS	11 47		SN	eP	38
	NK	eP	02 06				
		pP	40	27	Epc: 39° <sup>1</sup> / <sub>2</sub> N, 99°E O: 00-45-27, M: 5		
		iS	07 57		YM	iP <sub>n</sub>	00 45 57
		sS	08 54			P	59
		SS	10 54			iS	46 19
		ScS	11 58		CY	P <sub>n</sub>	45 53
	SC	eP	02 50			P	56
	SA	e	04 21		WW	eP <sub>n</sub>	27
		S	09 14			S	47 15
		sS	10 12		SN	eP <sub>n</sub>	46 40
	TY	eP	03 05		LC	eP <sub>n</sub>	47 07
	PK	eP	12		YC	e(P)	17
		sP	04 01			eS	48 30
		iS	09 54		PT	e	47 39
		sS	10 54			eS	49 49
		ScS	12 48		SA	(eP)	48 12
	CC	eP	03 27			eS	50 16
		eS	10 23		LF	e(S)	26
		ScS	13 03		TY	e	49
	WW	eP	03 37		TU	e(S)	51 10
					KT	e	52 04
26	Epc: 15°S, 165° <sup>1</sup> / <sub>2</sub> E O: 22-50-29, M: 6 <sup>1</sup> / <sub>4</sub>				PK	e(P)	48 35
					NK	e	54 45
	ZS	+P	23 00 49		ZS	e	55 24
		eS	09 14		CC	e	57
		SS	13 16		CT	e	56 23
	CT	+P	01 04		SW	e	39
		PcP	40				
		PP	03 28	28	Epc: 30° <sup>1</sup> / <sub>2</sub> S, 178°W O: 03-28-46, M: 7		
		eS	09 37		CT	+P	03 41 18
		PS	10 01			S	51 41
	NK	+P	01 08		ZS	+iP	41 17
		PcP	42			PP	44 38
		S	09 46				
	CC	eP	01 30				
		eS	10 33				

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October

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
28	ZS	S	03	51	41	30	ZS	PP	00	46	25
	NK	+P		41	28			eS		49	32
		PP		44	50			SS			52
	CC	P		41	50		NK	eP		46	22
		PP		45	28			eS		50	01
		SKS		52	16		SA	e		47	42
		eS			49		PK	e			44
	SW	eP		41	58						
	PK	+iP		42	00						
		SKS		52	31						
	SA	eP		42	05	31	Epc: 28°N, 53°E				
	TU	eP			15		O: 14-03-47				
							h: 80km, M: 7				

28 Epc: 14°N, 123°<sup>1</sup>/<sub>2</sub>E  
O: 10-45-03, M: 6<sup>1</sup>/<sub>4</sub>

	CT	+P	10	48	13
		eS		49	36
	ZS	+P			06
		PP			22
		PPP			31
		(S)		52	24
	NK	eP		49	22
		PPP			48
		eS		52	50
	FL	eP		49	23
	SA	eP		50	24
		PP			57
		S		54	40
	LF	eP		50	28
	DR	eP			35
	TY	e(P)			38
	PK	+iP			47
		PP		51	30
		PPP			48
		S		55	20
		SS		56	24
	KT	eP		50	52
	TU	eP		51	03
	CC	eP			14
		eS		56	11

30 Epc: 13°N, 123°E  
O: 00-41-47

CT	e(P)	00	45	03
ZS	eP		46	07

	YM	eP	14	11	01
	CY	eP			24
	SN	eP			32
	WW	eP			36
	LC	eP			45
	YC	eP			59
	SA	e		12	24
		S		19	05
	PT	eP		12	22
	<del>YMK</del>	eP			31
	SC	eP			31
	LF	eP			33
	TY	eP			37
	PK	+P			56
		PP		14	57
		S		20	16
		ScS		22	42
	KT	eP		12	52
	CT	+P		13	04
		S		20	31
		SS		24	10
	NK	eP		13	20
		S		21	00
	DR	eP		13	29
	ZS	+P			34
		PoP		14	23
		S		21	28
		ScS		23	25
	CC	eP		13	41
		S		21	42

31 After shock.  
O: 14-22-24

NK	eP	14	32	01
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1956 November

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
31	ZS	eP	14 32 17	4	NK	PP	05 41 40
		eS	40 14			eS	44 52
	CC	eP	32 21		PK	+P	41 36
		S	40 23			PP	56
						eS	45 15
					SA	eS	47 22

31 Epc: Taiwan,  
O: 17-29-20

CT	i	17 33 31
ZS	eP	31 11
NK	eP	32
PK	(eP)	33 24
YC	e	34 06
SC	e	37 09
SA	e	19
LF	e	33 19

4 Epc: 22°S, 176°W  
O: 07-05-41, \*M: 6 $\frac{1}{2}$ -6 $\frac{3}{4}$

ZS	-iP	07 17 55
	ePcP	18 09
	eS	27 59
	iSKS	28 13
CT	-iP	18 08
	iPP	21 17
	SKS	28 20
	PS	29 21
	eP	18 08
	S	28 26
	eP	18 21
	SKS	28 38
	eP	18 26
	eSKS	28 43
PK	-iP	18 37
	iSKS	29 03
	eP	18 42
TY	eP	47
SA	P	50
	iSKS	29 17
	iS	49

November

3 \*Epc: 24°S, 180°  
O: 18-02-04  
h: 500km, M: 5.9

ZS	-iP	18 13 18
	eS	22 33
CT	-iP	13 26
	ePP	15 15
	eS	22 52
NK	eP	13 31
	eS	23 00
PK	-P	14 02

6 \*Epc: 5° $\frac{1}{2}$ S, 134°E  
O: 14-12-35

ZS	-iP	14 20 01
	S	25 54
NK	-iP	20 15
	eS	26 23
	(eP)	21 25
	eP	16
	-iP	20
	eS	28 19
	eP	21 24
SA	eP	30
CC	-iP	32
TU	eP	

4 Epc: 35°N, 141°E  
O: 05-37-04

CC	eP	05 40 37
	eS	43 19
DR	eP	40 52
ZS	-iP	41 04
	ePP	19
	eS	44 14
	eSS	37
NK	eP	41 26

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1956 November

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
7	Epc: 29°N, 103°E O: 15-53-(02)			✓ 10	PK	eP	14 45 20
				✓	KT	eP	26
	LC	e(P)	15 54 51				
		e(S)	56 16				
	SN	e(P)	54 51				
	WW	e(P)	55 17				
	YC	e(P)	59				
	SA	e	56 05		✓ CC	eP	19 19 22
		eS	21			e(S)	22 24
	PT	e	59 26		✓ PK	+iP	20 42
	PK	e	16 00 09			(S)	25 01
	ZS	e	01 25			SS	26 01
		i	56		✓ KT	eP	20 47
					✓ ZS	eP	53
						eS	25 17
					✓ NK	eP	21 01
						eS	25 30
8	*Epc: 18°S, 178°N O: 06-50-24, h: 500km						
	✓ NK	P	07 01 39		13	*Epc: 48° <sup>1</sup> / <sub>2</sub> S, 124°E O: 09-55-29	
		S	10 58		✓	CT	eP 10 06 58
		eScS	11 40				eS 16 24
	✓ ZS	-iP	01 26		✓	ZS	+iP 07 39
		S	10 31				ePcP 52
	✓ PK	-iP	02 09		✓	NK	+iP 07 45
	✓ CC	-iP	01 49				eS 17 43
	✓ SA	e	02 25		✓	PK	+P 08 25
	✓ CT	-iP	01 41				SKS 18 52
					✓	CC	eP 08 42
	8	CT	+iP 15 49 09				S 19 16
		S	52 33				
	✓ ZS	+iP	49 53				
		eS	54 00				
	NK	eP	50 07				
		S	54 24				
10	Epc: 14°N, 120°E O: 14-39-37, *M: 6						
	✓	CT	+ P 14 42 26		✓	CC	(eP) 14 42 09
	✓	ZS	+iP 43 35		✓	ZS	(eP) 42 45
		S	46 45				eS 45 46
	✓	NK	+P 43 48		✓	NK	(eP) 42 59
		S	47 04		✓	SA	eP 44 03
	✓	SA	e(P) 44 47				eS 46 13
		e(S)	48 43		✓	PK	eP 44 24
	✓	TY	eP 45 06				eS 48 09
					14	Epc: 37°N, 70°E O: 00-51-22 h: 110km, *M: 5 <sup>1</sup> / <sub>2</sub>	

1953 November

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Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
14	YM	eP	00	56	03	17	CC	+P	20	07	32
	CY	eP			33		PK	eP		34	26
	PK	eP		58	15		NK	e(P)			07
		eS	01	03	45			e(S)		08	24
	CT	+P	00	58	47		ZS	S			24
		esP		59	20						
		eS	01	04	43						
	NK	eP	00	58	51	18	*Epc: 40°N, 76°SE				
		esP		59	29		O: 05-19-30, M: 5				
		eS	01	04	51		WW	e	05	24	08
	ZS	+iP	00	59	09		YC	e		25	14
		pP			37		YM	e		26	01
		spP			43		CY	e		27	23
		PP	01	00	53		PT	e		29	33
		PPP		01	26		LF	e		31	33
		eS		05	19		SA	e		34	35
15	Epc: 36°N, 104°E					18	*Epc: 28°N, 129°E				
	O: 06-28-46						O: 21-22-38				
	LC	eP	06	29	01		ZS	eP	21	24	45
		eS			09			(S)		26	23
	WW	eP			23		NK	eP		25	14
		eS			48			e(S)		27	23
	SN	e(P)			24		FL	eP		25	39
		eS			48		CC	+P		26	27
	TS	eP			34		PK	eP		26	31
		eS		30	06			S		29	43
	YC	eP		29	36		KT	eP		26	37
		eS		30	07		TY	eP			49
	SA	e		31	11		TU	P			56
16	*Epc: 14°N, 123°E						SA	eP		27	05
	O: 11-43-35							(eS)		30	47
	ZS	eP	11	47	43	18	Epc: 40°N, 115°E				
		eS		50	50		O: 23-23-43				
	NK	e		47	52		KT	iP	23	23	51
		(S)		51	10			S			(55)
	SA	e		49	01		PK	P			59
		(S)		53	13			S		24	09
	PK	eP		49	17		TU	e(P)			16
		(eS)		53	47			eS			37
17	*Epc: 54°N, 134°W						TY	eP			31
	O: 20-27-15, M: 6½						PT	e		25	54
							LF	e		26	28

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s		
21	Epc: 30°N, 143°E O: 07-33-22, *M: 6					26	ZS	-P	05	14	12		
		CC	eP	07	36	46		sP			46		
		ZS	-iP		37	47		eS		19	08		
			PPP		38	16		e(S)			26		
			eS		41	14		eP		15	32		
		NK	-P		37	59		sP		16	06		
			PP		38	21		e(P)		15	38		
			eS		41	43		e(P)			55		
		TY	eP		38	33							
		CT	-P		39	27							
			eS		44	17							
22	Epc: 38°N, 102°E O: 21-58-46					26	*Epc: 22°S, 169°E O: 23-29-41, M: 6½						
		WW	P	21	59	00		ZS	eP	23	40	56	
			S			09			eS		50	07	
		SN	e			44		CT	eP		40	59	
		CY	S			50			e(S)		50	13	
		LC	(eP)			38		NK	eP		41	07	
			S	22	00	07			e(S)		50	33	
		YC	e			39		CC	eP		41	34	
			S			49			eS		51	26	
		TS	e			01		PK	+iP		41	49	
		SA	e			02			S		51	51	
			e			03							
25	*Epc: 15°S, 168°E O: 18-07-40, h: 100km					27	After shock. O: 00-51-46						
		ZS	+P	18	18	09			NK	eP	01	03	13
			S			26			CC	-iP		39	
		NK	+P			18				eP		53	
			S			27				e(S)		14	04
		CC	+iP			18							
		PK	eP			19							
26	Epc: 1/3°N, 122°E O: 05-08-06, h: 100km					27	After shock. O: 13-19-(02)						
		CT	-iP	05	13	15			ZS	e(P)	13	30	27
			isP			48			NK	e(P)		37	
			PPP			14			CC	P	31	00	
			eS			17			PK	eP		13	
						25				e(S)		41	15
28	Epc: 48°N, 155°E O: 19-27-14, h: 60km, M: 6½												
		CC	eP	19	31	59							
			sP			32					19		

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
28	CC	e(S)	19 35 39	29	After shock.		
	PK	eP	33 16		0: 14-36-10		
	TU	eP	33		ZS	eP	14 40 35
	ZS	eP	35			S	44 05
		sP	34 01		NK	eP	40 56
	NK	eS	38 39			eS	44 46
		eP	33 42		PK	eP	41 40
		sP	34 06			eS	46 03
		eS	38 46				
	SA	eP	34 32				
	CT	eP	35 06				
		sP	31				
		eS	41 21				

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29	ZS	P	07 20 18
	NK	eP	41
	PK	eP	21 24

29 Epc:  $26^{\circ}\frac{1}{2}N$ ,  $142^{\circ}E$   
 0: 09-15-15, M: 7

ZS	+iP	09 19 35
	S	23 01
NK	-iP	19 59
	S	23 46
DR	eP	19 59
TT	eP	20 03
CC	-iP	07
	S	24 03
FL	P	20 21
PK	-iP	41
	S	25 02
KT	P	20 46
SW	eP	51
CT	+iP	54
	iS	25 23
TY	eP	21 00
TU	P	04
LF	eP	07
SA	P	21
PT	eP	25
YC	P	50
LC	P	22 00
WN	P	09
SN	eP	16
CY	eP	26
YM	eP	48

3 \* Epc:  $53^{\circ}N$ ,  $169^{\circ}W$   
 0: 07-20-08, M:  $6\frac{1}{2}-6\frac{3}{4}$

PK	+P	07 29 12
	S	36 34
ZS	+iP	29 35
	S	37 15
NK	eP	29 41
	S	37 26
SA	e	30 23
	eS	38 37

7 Epc:  $38^{\circ}\frac{1}{2}N$ ,  $104^{\circ}\frac{1}{2}E$   
 0: 14-38-37

WN	eP	14 39 02
	e	19
	iS	23
YC	eP	13
	e	33
	eS	37
LC	e(P)	22
	e	53
SN	e	40 03
CY	S	12
TS	e(P)	01
	e	45
	eS	55
YM	e	41 41
PT	e	14
LF	e	57



Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s	
7	TY	e	14	42	06	15	NK	eP	17	34	50	
	SA	i		43	34			(sP)		35	24	
8	Epc: 51°N, 178°W O: 16-10-28, *M: 6½						CC	e(S)		43	24	
	CC	+iP	16	17	39			+iP		35	14	
		PP		19	08			sP		36	49	
		eS		23	24		PK	+iP		35	31	
	PK	+P		18	45			sP		36	05	
		PP		20	36			eS		44	36	
		S		25	20			esS		45	19	
	KT	eP		18	48		TU	e(P)		35	45	
	ZS	+iP		19	05		TY	eP			39	
		PP		21	00		18	*Epc: 25°S, 68°W O: 02-31-00, M: 7-7½				
		S		26	00		PK	+iPKP	02	51	09	
		ScS		28	48			PP		56	04	
		SS		29	26		ZS	+iPKP1		51	12	
	NK	+iP		19	11			PKP2		52	14	
		S		26	11			PP		56	10	
	TY	eP		19	15		NK	+PKP		51	14	
	YC	eP			39			PP		56	24	
	SA	eP			54		CT	ePKP		51	15	
	WW	eP			58		WW	PKP			15	
	CY	eP		20	03		YC	PKP			17	
	CT	eP			23		SA	PKP			24	
		ePP		22	34		TU	ePKP			27	
		S		28	26		18	*Epc: 36°S, 77°E O: 19-20-06, M: 5¾				
		ScS		30	03		CT	eP	19	31	12	
		eSS		32	22			S		40	21	
12	Epc: 24°N, 121°E O: 20-53-07, M: 4¾						SA	e		32	03	
	CT	e(P)	20	54	57			S		41	50	
		eS		56	17		NK	eP		32	10	
	ZS	(eP)		54	55			eS		42	09	
		S		56	22		ZS	eP		32	12	
	NK	eP		55	12			S		42	13	
		S		56	48		PK	eP		32	40	
	PK	eP		57	06			S		43	09	
15	Epc: 12°S, 167°E O: 17-24-24 h: 100km, *M: 6 - 6½						18	CC	P	21	16	08
								SW	e(P)		24	
								PK	eP		17	09
	CT	+P	17	34	47		19	Epc: 29°N, 140°E O: 04-36-10, h: 350km				

Date	Sta.	Phase	h	m	s	Date	Sta.	Phase	h	m	s
19	ZS	-P	04	39	40	21	PK	eP	09	10	21
		S		42	27			eS		19	46
	NK	-P		40	02		ZS	-iP		10	(42)
		eS		43	10			(PoP)			59
	CC	eP		40	11			iS		20	(31)
		eS		43	24		NK	e(P)		10	51
	PK	-P		40	40			ePP		13	45
		eS		44	13			iS		20	42
	TU	eP		41	04						
	SA	eP			23						

21 Epc: 34°N, 141°E  
O: 20-09-56, M: 5½

20 \*Epc: 27°S, 176°W  
O: 10-50-56, M: 6½

ZS	(eP)	11	12	27
	(S)		22	48
NK	eP	12	38	
	S	23	17	
PK	eP	13	11	
	S	24	14	

CC	+P	20	13	41
	S		18	57
ZS	+iP	13	51	
	(S)		16	49
SW	eP	13	55	
NK	eP	14	16	
	(PP)			32
	(S)		17	35
PK	eP	14	34	
SA	e(P)	15	31	
	S	20	03	

21 Epc: 26°N, 96°E  
O: 03-27-35, \*M: 5.4

LC	eS	03	33	57
WW	e	30	47	
	(eS)		34	26
SA	(eS)		35	
	i	35	09	
CY	(eS)	34	48	
LF	(eP)	31	35	
	eS	34	49	
YC	e		32	
	eS	35	24	
SC	e	31	25	
NK	eP	32	18	
	(eS)	36	16	
PK	eP	32	30	
	S	36	32	
ZS	e(P)	32	38	
	(S)	36	42	

22 Epc: 32°N, 140°E  
O: 23-12-21, M: 5½

CC	eP	23	16	12
	S		19	13
SW	eP	16	27	
NK	eP			43
	iS	20	09	
PK	eP	17	10	
	iS	20	56	
CT	e(P)	18	07	
	eS	22	35	
SA	(eP)	18	10	
	(S)	22	36	

23 Epc: 22°N, 145°E  
O: 08-37-30  
h: 100km, \*M: 6½

21 \*Epc: 51°N, 131°W  
O: 08-58-53, M: 6½

CC	-iP	09	09	35
	eS	13	17	

ZS	+iP	08	42	26
	ipP			43
	S	46	24	
NK	eP	42	45	

Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
23	NK	e(pP)	08 43 09	27	ZS	isP	00 27 18
		(S)	46 59			iPP	29 06
	CC	e(P)	43 04			S	35 46
		e(S)	47 42			iSS	40 56
	PK	eP	43 31			iSSS	44 36
		pP	54		CT	+P	26 10
		(S)	48 21			i	27 04
	TU	eP	43 50			sP	27
						PP	29 23
						PPP	31 17
23	Epc: 26°N, 142°E O: 17-26-54					S	36 01
					NK	+iP	26 12
	ZS	eP	17 31 15			isP	27 25
		eS	34 42			iPP	29 25
	NK	eP	31 39			SKS	36 09
		eS	35 26			i(3)	18
	CC	e(P)	31 53			iSS	41 48
	PK	eP	32 22		DR	eP	26 24
					CC	+iP	25
						eSKS	36 27
						S	32
24	Epc: 8°N, 127°E O: 18-33-32, M: 5 $\frac{3}{4}$				SW	eP	26 32
					PK	+iP	41
	CT	eP	18 42 57			i	27 38
		(S)	46 28			iPP	30 22
	ZS	+iP	43 35			iSKS	36 49
		S	47 38			iS	37 12
	NK	+iP	43 50			isS	33 48
		e(S)	48 07		TT	eP	26 49
	PK	+P	45 04		KT	eP	50
		e(S)	50 11		SA	eP	57
	CC	+iP	45 26			S	37 35
					PT	eP	27 07
					YC	eP	17
25	*Epc: 48°N, 29°W O: 09-33-37, M: 6 $\frac{1}{2}$			27	Epc: 8°N, 126°E O: 21-31-34, M: 6		
	CC	eP	09 46 12		CT	eP	21 36 01
	ZS	e(P)	17			iS	39 38
	PK	eP	20		ZS	e(P)	36 47
		S	56 58			S	40 52
	NK	e	46 56		PK	e(P)	38 09
					CC	eP	30
27	*Epc: 24°S, 177°W O: 00-14-15 h: 300km, M: 7-7 $\frac{1}{4}$			28	*Epc: 39°S, 177°E O: 14-24-40 h: 150km, M: 6 $\frac{1}{2}$		
	ZS	+iP	00 25 58				

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Date	Sta.	Phase	h m s	Date	Sta.	Phase	h m s
28	NK	eP	14 37 26	31	CC	iP	21 35 53
	CT	(P)	49			iS	37 38
	ZS	+iP	53				
	CC	eP	38 27				
	PK	e(P)	36				

29 Epc: 25°S, 175°W  
O: 20-22-03, M: 6½

ZS	+P	20 34 28
	SKS	44 48
CT	+P	34 38
NK	+P	40
CC	+iP	52
PK	+iP	35 09
	iSKS	45 40
	eS	46 01

Given by  
S. P. Lee (Chief)  
S. J. Mei

30 Epc: 24°N, 93°E  
O: 21-59-06, M: 5½

YM	eP	22 03 09
CT	eP	16
	PP	30
	eS	06 35
NK	eP	04 17
TU	eP	20
PK	eP	36
	ePP	05 03
	eS	09 00
CC	e(P)	05 44

31 Epc: 40°N, 116°E  
O: 21-33-23, M: 4½

KT	iP	21 33 30
PK	iP	38
	iS	48
TU	eP	55
	iS	34 17
TY	eP	27
	S	35 10
PT	eP	34 40
	eS	35 33
LF	(S)	36 08