SEISMOLOGICAL BULLETIN

SOUTH POLE – BYRD
SUPPLEMENT

JANUARY - MARCH, 1961

MSI – 241A

International Seismological Centre

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International Seismological Centre

SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

January-March, 1961

The instrumental results tabulated in this supplement are from the following seismographic stations.

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Components	To (Sec.)	Tg (Sec.)	Time Scale
South Pole (SPA)	90°S.	0°	1995 meters	2800	Benioff Paper	Z	1.6	0.5	60mm/min.
In Charge:			of ice	meters	Wilson-Lamison (120°E. 60°W.)				
Terry Hardiman					Horizontal Film.		5.6	0.48	15mm/min.
Byrd (BYR)	80°01'S.	119°31'W.	2570 meters	1515	Benioff	Z	1.2	0.5	60mm/min.
In Charge:			of ice	meters	Wilson-Lamison with G. E. Galvo.	N	6.2	3.5	30mm/min.
Leroy Pankratz					Wilson-Lamison with G. E. Galvo.	E	7.2	3.5	30mm/min.

These stations were first established by the Coast and Geodetic Survey for the IGY to provide additional control for locating teleseismic epicenters in regions inadequately covered by previously existing stations and to provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

International Seismological Centre

Date and Station	Phase	(GCT) h m s
Jan. 1		
SPA	eP	08 07 12.9
	e	08 08.0
Jan. 1		
SPA	eP	08 46 18.4
Jan. 1		
SPA	e(P)	09 58 24.2
Jan. 1		
BYR	eP	13 20 40.0
SPA	iP	13 20 56.3
	ipP	21 16.3
Jan. 1		
BYR	e(P)	13 23 59.2
	e	24 14.6
SPA	eP	13 24 36.3
	i	24 47.0
Jan. 1		
BYR	iP	16 48 20.8
SPA	iP	16 48 51.4
	e(PcP)	49 02.3
	ipP	50 48.9
Jan. 1		
BYR	E(P)	17 16 25.7
Jan. 1		
SPA	e(P)	17 22 55.1
Jan. 1		
BYR	e(P)	18 03 43.0
Jan. 1		
BYR	iP	19 41 12.9
	ePP	42 53.5
	eS	47 53.6
Jan. 1		
BYR	eP	19 54 07.5
	e	55 04.9
SPA	e(P)	19 54 06.0
Jan. 1		
BYR	eP	20 17 03.8
SPA	eP	20 16 06.3
Jan. 1		
BYR	eP	20 30 34.9
	ePcP	32 12.9
SPA	iP	20 29 53.8
	iPcP	31 54.9
Jan. 1		
BYR	e(P)	21 00 09.6
Jan. 1		
SPA	e(P)	21 32 29.7
Jan. 1		
BYR	eP	21 57 21.4

Date and Station	Phase	(GCT) h m s
Jan. 1		
BYR	e(P)	22 20 44.9
SPA	eP	22 21 21.7
Jan. 2		
SPA	eP	00 19 27.0
Jan. 2		
SPA	eP	02 04 55.2
Jan. 2		
SPA	eP	02 32 07.4
Jan. 2		
SPA	eP	03 25 26.2
Jan. 2		
BYR	e(P)	07 53 52.2
Jan. 2		
BYR	e(P)	08 08 17.6
Jan. 2		
BYR	iP	10 23 24.5
SPA	iP	10 23 40.4
	epP	24 15.3
	eS	32 58.0
Jan. 2		
BYR	e(P)	10 35 23.2
Jan. 2		
SPA	e(P)	13 02 24.7
Jan. 2		
SPA	eP	13 39 25.5
Jan. 2		
BYR	e(P)	15 32 46.9
SPA	e(P)	15 34 15.5
Jan. 2		
BYR	e(P')	16 40 42.0
	e	40 57.1
	e	41 12.1
SPA	iP'	16 40 53.0
Jan. 2		
SPA	e(P)	18 54 17.2
Jan. 2		
BYR	eP	21 04 23.6
SPA	iP	21 04 22.1
Jan. 2		
BYR	e(P)	22 10 04.9
Jan. 2		
BYR	iP	23 19 12.3
SPA	iP	23 19 21.2
Jan. 3		
BYR	e(P)	00 25 28.9

Date and Station	Phase	(GCT) h m s
Jan. 3		
BYR	e(P)	00 48 15.1
Jan. 3		
BYR	e(P)	00 53 50.3
Jan. 3		
BYR	e(P')	02 49 47.0
	eSKP	53 40.0
Jan. 3		
BYR	iP	05 49 18.0
Jan. 3		
BYR	e(P)	08 28 01.0
Jan. 3		
BYR	e(P)	11 15 54.7
Jan. 3		
BYR	eP	11 53 22.0
	e	54 15.8
SPA	iP	11 52 02.6
Jan. 3		
SPA	e(P)	12 19 28.9
Jan. 3		
SPA	e(P)	13 43 46.0
Jan. 3		
SPA	eP	14 01 48.3
Jan. 3		
BYR	eP	14 15 26.7
	e	15 54.6
SPA	eP	14 16 04.2
Jan. 3		
BYR	iP	15 01 37.5
SPA	eP	15 02 17.4
Jan. 3		
BYR	e(P)	16 29 51.1
Jan. 3		
BYR	e(P)	17 47 24.4
SPA	e(P)	17 48 03.0
Jan. 3		
BYR	iP	17 52 11.4
	ePcP	52 38.2
	e	52 47.3
SPA	iP	17 52 50.2
	iPcP	53 16.7
	i	53 28.8
Jan. 3		
SPA	iP	18 15 15.5
	ipP	15 40.5
Jan. 3		
BYR	e(P)	18 18 18.7
SPA	e(P)	18 19 23.8

Date and Station	Phase	(GCT) h m s
Jan. 3		
BYR	e(P)	18 26 15.4
SPA	eP	18 27 07.2
Jan. 3		
BYR	iP	19 17 57.9
Jan. 3		
BYR	iP	19 39 40.1
SPA	iP	19 39 19.8
Jan. 3		
SPA	iP	19 49 42.6
Jan. 3		
BYR	e(P)	20 03 53.3
Jan. 3		
BYR	iP	20 18 09.1
SPA	iP	20 17 42.3
Jan. 3		
BYR	iP	20 53 09.3
Jan. 3		
BYR	e(P)	20 36 34.3
Jan. 3		
BYR	eP	22 11 45.7
Jan. 3		
BYR	e(P)	22 38 18.5
Jan. 3		
BYR	e(P)	23 28 17.0
Jan. 4		
SPA	eP	01 43 04.2
Jan. 4		
BYR	eP	02 37 35.3
Jan. 4		
BYR	e(P)	06 15 52.4
Jan. 4		
SPA	eP	08 06 20.4
Jan. 4		
BYR	iP	11 42 45.6
SPA	iP	11 42 18.6
Jan. 4		
BYR	e(P)	12 18 09.9
Jan. 4		
BYR	eP	13 35 39.0
Jan. 4		
BYR	eP	14 51 42.2
Jan. 4		
BYR	e(P)	15 38 01.7

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Date and Station		Phase	(GCT)	h	m	s
Jan. 4						
BYR		e(P)		17	13	52.2
Jan. 4						
BYR		e(P)		17	32	18.9
Jan. 4						
SPA		eP		17	39	10.3
Jan. 4						
BYR		e(P)		17	44	50.3
Jan. 4						
SPA		eP		18	03	21.2
Jan. 4						
SPA		eP		18	24	33.7
Jan. 4						
BYR		e(P)		18	27	45.3
		e			28	15.5
Jan. 4						
BYR		e(P)		18	46	08.8
Jan. 4						
BYR		e(P)		18	52	14.1
Jan. 4						
BYR		iP		19	28	55.7
SPA		e(P)		19	29	40.4
Jan. 4						
BYR		e(P)		22	28	12.2
Jan. 5						
SPA		eP		00	38	36.0
Jan. 5						
SPA		eP		02	02	08.4
Jan. 5						
BYR		e(P)		03	12	13.7
		e			13	47.5
Jan. 5						
BYR		e(P)		03	33	48.2
		e			34	02.1
Jan. 5						
BYR		e(P)		03	34	47.5
		e			35	10.4
Jan. 5						
BYR		e(P)		05	26	44.1
Jan. 5						
BYR		eP		06	05	38.1
Jan. 5						
BYR		eP		11	06	29.6
		i			06	38.3
		e			06	48.6
SPA		eP		11	07	22.6
		i			07	30.8
		i			07	39.9

Date and Station		Phase	(GCT)	h	m	s
Jan. 5						
BYR		e(P)		14	03	13.3
Jan. 5						
BYR		eP'		14	25	34.7
		i			25	43.5
		i			26	01.0
		eSKP			29	12.8
SPA		eP'		14	25	51.1
Jan. 5						
BYR		eP'		15	28	45.3
		i			28	56.3
		e			29	03.7
		e			29	22.0
SPA		eP'		15	28	47.1
Jan. 5						
BYR		eP		15	47	15.7
		e			48	04.8
Jan. 5						
BYR		iP		16	06	34.7
		ipP			07	09.9
SPA		iP		16	06	28.1
		i			06	40.1
		i			07	17.6
		i			10	29.9
		eS			16	38.3
		e			24	03.2
Jan. 5						
SPA		e(P)		16	32	10.1
Jan. 5						
SPA		e(P)		16	46	08.6
Jan. 5						
BYR		e(P)		17	46	41.0
Jan. 5						
BYR		iP		18	08	33.7
SPA		iP		18	08	54.2
		e			13	34.2
		e			15	16.7
Jan. 5						
BYR		iP		18	25	19.4
		eS			34	08.1
Jan. 5						
BYR		e(P)		18	53	48.7
		e			57	07.0
Jan. 5						
BYR		e(P)		19	09	43.5
Jan. 5						
BYR		e(P)		23	49	09.8
SPA		eP		23	48	53.8
Jan. 6						
BYR		eP		00	06	30.8

Date and Station		Phase	(GCT)	h	m	s
SPA		eP		00	07	05.8
		i			07	16.8
		i			08	08.4
Jan. 6						
BYR		eP		00	15	18.2
SPA		eP		00	15	47.1
Jan. 6						
SPA		e(P)		00	36	55.9
Jan. 6						
BYR		eP		01	05	02.5
SPA		iP		01	05	21.7
Jan. 6						
BYR		e(P)		01	27	42.2
SPA		eP		01	28	01.2
Jan. 6						
BYR		eP'		01	39	45.7
SPA		eP'		01	39	44.5
Jan. 6						
SPA		eP		04	08	43.0
Jan. 6						
BYR		eP		05	08	07.0
SPA		eP		05	07	41.7
Jan. 6						
SPA		eP'		05	34	53.3
Jan. 6						
BYR		eP'		06	40	44.3
		e			40	52.5
		eSKP			44	21.4
SPA		iP'		06	41	01.3
		eSKP			44	38.1
Jan. 6						
BYR		eP'		07	25	08.3
		i			25	18.3
		eSKP			28	48.1
SPA		iP		07	25	16.6
		e			25	23.3
		i			25	29.7
Jan. 6						
SPA		eP		07	37	09.1
Jan. 6						
SPA		eP		10	25	25.1
Jan. 6						
SPA		e(P)		12	24	30.3
Jan. 6						
SPA		eP		12	45	13.8

Date and Station		Phase	(GCT)	h	m	s
Jan. 6						
BYR		e(P)		12	57	40.8
		e			57	53.6
Jan. 6						
SPA		eP		15	27	41.1
Jan. 6						
BYR		e(P)		18	25	14.7
Jan. 6						
BYR		e(P)		19	01	51.7
SPA		e(P)		19	02	56.2
		e			03	04.9
Jan. 7						
SPA		iP		01	03	12.0
Jan. 7						
BYR		e(P)		01	17	17.8
Jan. 7						
SPA		eP		03	58	06.6
		i			58	23.0
Jan. 7						
SPA		eP		04	32	29.4
Jan. 7						
BYR		e(P)		05	17	00.3
Jan. 7						
BYR		eP		09	25	52.1
Jan. 7						
BYR		eP'		10	50	02.3
		eSKP			53	23.6
SPA		iP'		10	49	46.9
Jan. 7						
BYR		e(P)		11	09	02.7
Jan. 7						
BYR		eP		11	39	36.3
		epP			41	26.6
SPA		iP		11	40	06.0
		epP			41	57.6
Jan. 7						
SPA		eP		12	01	37.6
Jan. 7						
BYR		e(P)		13	13	40.7
SPA		eP		13	11	30.0
Jan. 7						
BYR		e(P)		14	36	15.9
SPA		e(P)		14	36	01.8
Jan. 7						
SPA		eP		15	17	58.3

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Date and Station	Phase	(GCT) h m s
Jan. 7		
SPA	iP	15 32 31.3
Jan. 7		
SPA	iP'	16 11 47.8
Jan. 7		
SPA	eP	17 55 08.1
Jan. 7		
SPA	eP	17 58 35.8
Jan. 7		
BYR	iP	18 23 44.2
	i	23 47.5
	i	23 52.5
	eS	29 37.1
SPA	iP	18 23 27.3
	i	23 41.2
	iPcP	25 49.9
	eS	28 40.0
	iScP	29 51.8
	e(ScS)	33 47.7
Jan. 7		
SPA	e(P)	18 54 49.1
Jan. 7		
BYR	e(P)	20 00 20.2
Jan. 7		
SPA	eP	21 18 28.1
Jan. 7		
BYR	e(P)	22 14 06.5
SPA	eP	22 14 46.0
Jan. 7		
BYR	e(P)	23 56 27.6
SPA	e(P)	23 57 03.9
Jan. 8		
BYR	eP	00 47 22.9
SPA	iP	00 46 25.6
Jan. 8		
BYR	e(P)	01 24 45.5
Jan. 8		
BYR	eP	03 09 59.2
	e	13 06.0
SPA	e(P)	03 09 41.7
Jan. 8		
BYR	e(P)	04 49 59.0
Jan. 8		
BYR	eP	05 32 32.0
	ePcP	32 52.1
	ipP	33 02.3
SPA	eP	05 33 13.7

Date and Station	Phase	(GCT) h m s
Jan. 8		
BYR	e(P)	07 39 37.9
	e	39 52.4
	ePP	42 13.6
SPA	eP	07 40 12.1
	i	40 21.8
	iPP	42 35.2
Jan. 8		
BYR	eP	08 40 56.5
SPA	eP	08 41 38.5
Jan. 8		
BYR	eP	10 10 22.1
SPA	e(P)	10 10 53.7
Jan. 8		
SPA	eP	12 50 39.0
Jan. 8		
BYR	iP	14 56 44.8
	i	58 30.9
SPA	iP	14 56 06.0
	i	56 10.9
	i	56 25.1
	i	58 16.4
Jan. 8		
SPA	iP	16 34 16.0
Jan. 8		
SPA	eP	19 26 53.5
Jan. 8		
SPA	e(P)	20 27 38.2
Jan. 8		
BYR	e(P)	20 37 21.4
SPA	iP	20 37 28.3
Jan. 8		
SPA	iP	21 08 33.3
Jan. 8		
SPA	e(P)	21 53 21.6
Jan. 8		
SPA	eP	22 36 16.5
Jan. 8		
BYR	e(P)	23 17 22.7
Jan. 9		
SPA	eP	00 12 07.9
Jan. 9		
BYR	e(P)	01 09 04.6
SPA	eP	01 09 53.1
Jan. 9		
BYR	e(P')	03 28 31.0
Jan. 9		
SPA	e(P)	04 28 34.9

Date and Station	Phase	(GCT) h m s
Jan. 9		
BYR	eP	04 36 21.7
Jan. 9		
BYR	e(P)	08 04 09.9
	e	04 19.6
Jan. 9		
SPA	iP	09 24 16.5
	i	24 30.2
	i	24 40.0
Jan. 9		
BYR	e(P)	10 23 51.2
	e	23 59.2
Jan. 9		
SPA	eP	10 53 35.7
Jan. 9		
SPA	eP	12 42 47.2
Jan. 9		
SPA	e(P)	17 56 58.6
Jan. 9		
BYR	e(P')	19 40 32.7
Jan. 9		
SPA	e(P)	20 31 14.0
Jan. 9		
BYR	e(P)	20 59 08.1
	e	59 12.2
Jan. 9		
BYR	eP	21 34 34.0
SPA	e(P)	21 35 43.6
Jan. 9		
SPA	e(P)	21 44 29.8
Jan. 9		
BYR	e(P')	22 35 50.5
Jan. 10		
BYR	e(P)	00 31 34.5
Jan. 10		
BYR	e(P)	00 49 50.0
	e	51 29.5
	e	52 16.2
Jan. 10		
BYR	eP	01 52 57.4
SPA	iP	01 53 52.2
Jan. 10		
BYR	e(P')	02 39 52.7
Jan. 10		
BYR	e(P)	03 31 35.6
Jan. 10		
SPA	eP	07 42 50.9
Jan. 10		
BYR	e(P)	07 57 30.2

Date and Station	Phase	(GCT) h m s
Jan. 10		
SPA	eP	08 49 14.9
Jan. 10		
BYR	eP	08 59 58.4
SPA	eP	09 01 26.6
Jan. 10		
BYR	iP	09 25 35.7
SPA	iP	09 25 17.8
	ipP	25 57.1
Jan. 10		
BYR	e(P)	11 32 06.2
SPA	iP	11 32 11.3
Jan. 10		
BYR	e(P')	14 41 27.2
	e	41 30.6
	i	41 42.6
	iSKP	44 45.3
	e	53 29.3
SPA	iP'	14 41 36.7
Jan. 10		
SPA	eP	16 02 09.4
Jan. 10		
SPA	e(P)	16 25 31.5
Jan. 10		
BYR	e(P)	21 26 28.2
SPA	eP	21 27 24.5
Jan. 11		
BYR	e(P)	01 15 12.3
	e	15 19.0
	e	21 44.1
SPA	iP	01 15 33.3
Jan. 11		
SPA	eP	01 45 51.4
Jan. 11		
BYR	e(P)	04 29 27.6
	e	29 34.8
SPA	e(P)	04 30 01.2
Jan. 11		
SPA	eP	11 27 20.8
Jan. 11		
BYR	e(P')	12 19 02.9
	eSKP	22 38.2
SPA	eP'	12 19 16.4
	i	19 19.2
	i	19 30.1
	i	20 39.3
	e	30 43.2

International Seismological Centre

Date and Station	Phase	(GCT)
Jan. 11		h m s
SPA	e(P)	14 12 08.4
Jan. 11		
BYR	eP	16 38 44.7
SPA	iP	16 38 46.4
Jan. 11		
BYR	e(P)	17 19 19.7
Jan. 11		
BYR	e(P)	17 37 25.9
Jan. 11		
SPA	e(P)	18 25 03.2
Jan. 11		
BYR	e(P)	18 49 22.9
Jan. 11		
BYR	e(P)	19 29 44.2
Jan. 11		
BYR	iP	19 38 58.8
	ipP	39 30.0
	i(sP)	39 42.1
SPA	iP	19 39 37.2
	ipP	40 09.5
	isP	40 23.0
Jan. 11		
BYR	e(P)	20 05 00.6
SPA	eP	20 05 56.4
Jan. 11		
BYR	eP	21 44 19.1
	ePP	45 56.8
SPA	iP	21 44 25.1
	i	44 41.3
	i	44 56.1
Jan. 12		
BYR	e(P)	01 08 19.1
	e	08 22.7
Jan. 12		
BYR	e(P)	03 45 50.6
	e	46 02.4
SPA	e(P)	03 46 16.9
Jan. 12		
BYR	e(P)	03 52 52.0
SPA	eP	03 53 11.9
Jan. 12		
BYR	eP	05 26 57.4
SPA	eP	05 27 16.5
Jan. 12		
BYR	e(P')	14 32 53.3
SPA	iP'	14 33 11.0

Date and Station	Phase	(GCT)
Jan. 12		h m s
BYR	e(P)	15 59 05.2
Jan. 12		
BYR	e(P)	16 25 02.0
Jan. 12		
BYR	eP	19 16 48.2
Jan. 13		
BYR	e(P)	05 21 44.1
Jan. 13		
BYR	eP	07 44 31.4
SPA	eP	07 44 14.6
Jan. 13		
BYR	e(P)	08 05 17.1
Jan. 13		
BYR	eP	10 37 53.2
Jan. 13		
BYR	e(P)	13 41 26.4
SPA	iP	13 42 04.6
Jan. 13		
SPA	eP	15 19 25.8
Jan. 13		
SPA	iP	19 11 41.8
	i	12 06.7
Jan. 13		
SPA	e(P)	19 12 26.1
	i	13 19.3
Jan. 13		
BYR	eP	19 27 54.1
	iPP	29 55.9
SPA	eP	19 26 45.0
	ipP	27 06.9
Jan. 13		
BYR	e(P)	20 26 32.2
Jan. 14		
BYR	eP	00 42 09.0
Jan. 14		
BYR	e(P')	02 45 41.3
	eSKP	49 21.5
SPA	e(P')	02 45 59.6
Jan. 14		
SPA	iP	03 42 15.3
	i	42 46.0
Jan. 14		
BYR	eP	05 45 09.6
SPA	iP	05 45 06.8
Jan. 14		
BYR	e(P)	07 44 32.1

Date and Station	Phase	(GCT)
Jan. 14		h m s
SPA	eP	08 34 43.9
Jan. 14		
BYR	iP	08 54 08.7
SPA	eP	08 53 51.8
Jan. 14		
SPA	iP	09 29 59.9
Jan. 14		
SPA	eP	09 57 00.8
Jan. 14		
BYR	e(P)	11 45 35.6
Jan. 14		
BYR	eP	14 00 02.4
Jan. 14		
BYR	e(P)	14 40 53.7
Jan. 14		
BYR	eP	16 30 07.6
SPA	eP	16 30 40.3
Jan. 14		
BYR	e(P')	16 58 04.2
	eSKP	17 01 38.9
SPA	iP'	16 58 24.4
Jan. 14		
BYR	e(P)	23 29 53.9
Jan. 14		
BYR	e(P)	23 40 01.4
SPA	eP	23 40 38.3
Jan. 15		
BYR	e(P)	00 16 24.9
Jan. 15		
BYR	e(P)	00 43 18.4
Jan. 15		
BYR	eP	01 10 20.2
	e	10 37.9
SPA	eP	01 09 56.8
	ePP	11 20.6
Jan. 15		
SPA	iP	01 17 20.3
Jan. 15		
BYR	e(P)	03 34 45.4
Jan. 15		
BYR	e(P')	04 24 35.7
Jan. 15		
BYR	e(P)	04 41 33.4
Jan. 15		
BYR	eP	08 29 10.1
	i	29 20.1

Date and Station	Phase	(GCT)
Jan. 15		h m s
SPA	iP	08 34 55.3
	i	35 06.2
Jan. 15		
BYR	eP	10 20 47.9
Jan. 15		
SPA	eP	12 02 10.8
Jan. 15		
BYR	e(P)	12 07 15.9
Jan. 15		
BYR	eP'	12 12 07.9
Jan. 15		
BYR	eP	14 39 01.0
Jan. 15		
SPA	iP	16 45 39.3
	i	46 07.0
Jan. 15		
BYR	iP	16 55 19.0
SPA	iP	16 55 39.5
Jan. 15		
SPA	eP	17 13 40.0
Jan. 15		
BYR	e(P)	17 23 40.5
Jan. 15		
BYR	e(P)	19 26 23.8
Jan. 15		
SPA	iP	19 49 51.1
Jan. 15		
BYR	iP	20 00 04.9
	i	01 35.5
Jan. 15		
BYR	iP	20 46 25.0
	epP	48 25.1
Jan. 15		
BYR	e(P)	22 28 12.0
Jan. 15		
BYR	e(P)	22 40 13.0
Jan. 15		
BYR	e(P)	22 55 06.8
Jan. 15		
BYR	e(P)	23 50 11.3
Jan. 15		
BYR	e(P)	23 55 03.5
	e	55 13.5
Jan. 16		
SPA	e(P)	00 37 23.3
Jan. 16		
BYR	e(P)	04 12 21.5

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Date and Station	Phase	(GCT) h m s
Jan. 16		
BYR	e(P)	04 26 03.6
Jan. 16		
BYR	e(P')	07 39 01.5
	e	39 12.4
	e	41 06.6
SPA	iP'	07 39 12.0
	iPP	40 52.1
	eSKKP	52 20.3
Jan. 16		
BYR	e(P)	08 14 58.5
Jan. 16		
BYR	eP'	09 07 09.7
SPA	eP'	09 07 08.5
Jan. 16		
BYR	e(P)	10 33 11.0
Jan. 16		
BYR	e(P')	11 38 37.1
SPA	eP'	11 38 36.1
	i	38 48.5
Jan. 16		
BYR	e(P')	11 59 58.2
Jan. 16		
BYR	eP'	12 31 28.5
SPA	eP'	12 31 28.2
	ipP'	31 51.6
	iPP	33 24.5
	eSKKP	44 54.9
Jan. 16		
BYR	e(P')	13 28 10.3
Jan. 16		
BYR	eP'	14 22 58.5
SPA	eP'	14 22 56.5
Jan. 16		
BYR	e(P')	15 03 06.8
Jan. 16		
BYR	eP'	16 00 13.1
SPA	e(P')	16 00 12.8
Jan. 16		
BYR	e(P)	16 40 56.7
Jan. 16		
BYR	e(P)	17 48 56.8
Jan. 16		
BYR	e(P)	23 30 14.1
Jan. 17		
BYR	e(P')	00 48 30.5

Date and Station	Phase	(GCT) h m s
Jan. 17		
BYR	eP	01 44 48.0
SPA	iP	01 45 54.7
Jan. 17		
BYR	eP	02 31 22.5
Jan. 17		
BYR	eP	04 17 56.0
SPA	iP	04 18 05.3
Jan. 17		
BYR	eP	05 56 37.2
Jan. 17		
BYR	e(P)	06 08 55.0
Jan. 17		
BYR	eP'	07 00 33.6
Jan. 17		
BYR	e(P)	08 32 28.8
	e	32 55.0
SPA	eP	08 32 36.0
Jan. 17		
BYR	e(P)	09 44 10.9
Jan. 17		
BYR	e(P)	12 04 54.1
Jan. 17		
BYR	e(P)	13 39 54.7
Jan. 17		
BYR	e(P)	14 39 14.7
Jan. 17		
BYR	eP	15 58 30.0
SPA	eP	15 58 10.6
Jan. 17		
BYR	eP	18 01 54.9
	e	04 21.2
SPA	eP	18 02 00.9
Jan. 17		
BYR	e(P)	18 12 36.9
Jan. 17		
BYR	e(P)	18 26 27.9
Jan. 17		
BYR	eP	21 24 05.2
Jan. 17		
BYR	e(P)	22 33 19.2
	e	33 28.2
Jan. 17		
BYR	e(P)	23 16 10.5
SPA	eP	23 16 31.1

Date and Station	Phase	(GCT) h m s
Jan. 17		
BYR	eP	23 24 09.0
SPA	eP	23 25 16.9
Jan. 18		
SPA	e(P)	00 18 06.8
Jan. 18		
BYR	eP	04 31 56.9
Jan. 18		
BYR	eP	05 04 30.0
Jan. 18		
BYR	e(P)	05 09 05.8
Jan. 18		
BYR	e(P)	05 33 08.1
Jan. 18		
BYR	e(P)	06 32 26.8
Jan. 18		
BYR	e(P)	07 46 46.8
Jan. 18		
BYR	eP	09 17 19.3
SPA	iP	09 17 34.8
Jan. 18		
BYR	e(P)	12 44 23.9
Jan. 18		
BYR	eP	12 49 38.6
Jan. 18		
BYR	e(P)	12 54 23.9
Jan. 18		
BYR	e(P)	14 07 24.2
SPA	eP	14 08 00.3
	e	08 21.4
Jan. 18		
BYR	e(P)	15 19 55.7
	e	20 03.7
	epP	20 17.5
SPA	eP	15 20 31.1
Jan. 18		
BYR	e(P)	17 01 12.8
	e	01 20.9
Jan. 18		
BYR	e(P)	17 10 08.4
Jan. 18		
BYR	e(P)	18 06 52.5
	e	07 00.7
SPA	eP	18 07 16.5
Jan. 18		
BYR	eP'	20 14 27.7

Date and Station	Phase	(GCT) h m s
SPA	eP'	20 14 53.2
	e	15 13.3
Jan. 18		
BYR	eP	20 55 16.4
Jan. 18		
BYR	e(P)	21 00 44.7
SPA	eP	21 01 20.2
Jan. 18		
BYR	eP	23 57 37.4
Jan. 19		
BYR	eP	00 43 25.4
SPA	eP	00 42 55.7
Jan. 19		
BYR	eP	01 01 10.6
SPA	eP	01 00 56.6
Jan. 19		
BYR	eP	01 50 04.6
Jan. 19		
BYR	e(P)	03 07 18.9
Jan. 19		
BYR	e(P)	03 50 20.2
Jan. 19		
BYR	eP	04 32 44.0
	i	32 46.0
SPA	e(P)	04 33 01.9
Jan. 19		
BYR	e(P)	06 02 20.6
Jan. 19		
BYR	e(P)	09 49 48.4
	e	49 51.1
Jan. 19		
BYR	eP	11 00 14.1
	e	00 51.0
	e	01 09.0
SPA	iP	11 00 53.2
Jan. 19		
SPA	eP	13 05 15.3
Jan. 19		
SPA	eP	14 23 30.7
Jan. 19		
BYR	e(P)	14 56 26.7
Jan. 19		
BYR	eP'	17 14 30.2
	i	41 40.1
	eSKP	44 52.9

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Date and Station	Phase (GCT)	h m s
SPA	eP'	17 41 35.3
	i	41 42.2
Jan. 19		
BYR	e(P)	18 08 04.9
	e	08 33.9
Jan. 19		
SPA	e(P)	21 13 58.0
Jan. 20		
SPA	eP'	01 36.3
	e	21 03.3
Jan. 20		
SPA	eP	01 47 34.5
Jan. 20		
BYR	eP	02 37 08.5
Jan. 20		
BYR	e(P)	03 31 58.3
Jan. 20		
BYR	e(P)	03 51 45.6
	e	52 13.3
Jan. 20		
BYR	eP	07 48 19.0
SPA	eP	07 48 35.5
Jan. 20		
SPA	eP	08 30 07.7
Jan. 20		
BYR	e(P')	09 09 56.4
SPA	e(P')	09 10 17.8
Jan. 20		
BYR	eP	12 53 39.5
	e	54 09.1
SPA	eP	12 53 22.4
Jan. 20		
BYR	e(P)	14 31 50.2
SPA	iP	14 31 17.3
Jan. 20		
BYR	eP	17 09 35.2
SPA	iP	17 10 12.4
Jan. 20		
BYR	e(P')	17 28 28.4
	e	28 36.1
SPA	eP'	17 28 54.0
	i	28 59.7
	i	29 14.4
	i	29 38.1
	e	32 47.9
Jan. 20		
BYR	e(P)	18 53 57.2
SPA	eP	18 54 15.6
Jan. 20		
BYR	e(P)	19 47 50.4
SPA	eP	19 48 10.4
Jan. 20		
SPA	eP	20 03 05.9
Jan. 20		
SPA	eP	20 46 06.7
Jan. 20		
SPA	eP	21 57 07.0
Jan. 20		
BYR	e(P)	22 06 09.6
Jan. 20		
BYR	eP'	22 53 49.6
Jan. 20		
BYR	e(P)	22 59 17.4
Jan. 21		
BYR	eP	00 29 30.3
SPA	eP	00 29 49.0
Jan. 21		
SPA	eP	03 11 19.0
Jan. 21		
BYR	e(P)	07 16 13.4
Jan. 21		
SPA	iP'	13 39 03.2
Jan. 21		
BYR	eP	15 00 54.9
Jan. 21		
SPA	eP	15 15 36.3
Jan. 21		
BYR	eP	15 50 42.1
SPA	e(P)	15 48 18.0
	e	50 22.9
Jan. 21		
BYR	iP	17 53 13.4
Jan. 21		
SPA	iP	18 07 59.7
	i	08 22.2
Jan. 22		
BYR	e(P)	00 34 42.9
	e	35 34.2
Jan. 22		
BYR	e(P)	01 55 58.5
Jan. 22		
BYR	e(P)	03 12 25.8
Jan. 22		
BYR	eP	03 35 47.2
	i	35 49.0
Jan. 22		
BYR	e(P')	03 43 29.9
Jan. 22		
BYR	e(P)	03 51 51.3
	e	53 45.1
Jan. 22		
BYR	e(P)	04 28 15.3
Jan. 22		
BYR	eP	04 31 04.2
Jan. 22		
BYR	eP	06 28 15.9
SPA	iP	06 28 33.3
Jan. 22		
BYR	eP	07 26 02.1
SPA	eP	07 26 18.7
Jan. 22		
BYR	e(P)	08 01 58.1
SPA	eP	08 02 16.2
Jan. 22		
SPA	e(P)	09 41 41.0
Jan. 22		
BYR	e(P)	10 45 11.1
Jan. 22		
BYR	e(P)	11 53 12.7
Jan. 22		
BYR	e(P)	12 56 30.2
SPA	eP	12 57 10.0
	i	57 21.1
Jan. 22		
BYR	eP	13 52 17.2
SPA	iP	13 52 35.4
Jan. 22		
SPA	iP	14 52 42.9
Jan. 22		
BYR	iP	16 19 11.7
SPA	iP	16 19 52.7
	ipP	20 09.9
	isP	20 16.0
Jan. 22		
SPA	e(P)	17 04 08.9
Jan. 22		
SPA	iP	17 14 23.1
Jan. 22		
Byr	eP	18 09 25.2
SPA	iP	18 08 19.5
	i	08 33.1
Jan. 22		
BYR	e(P)	18 42 41.0
SPA	e(P)	18 42 53.1
Jan. 22		
SPA	eP	18 48 42.2
Jan. 22		
BYR	eP	19 16 34.7
SPA	iP	19 16 52.9
Jan. 22		
SPA	e(P)	19 25 30.5
Jan. 22		
BYR	e(P)	21 27 43.1
SPA	iP	21 28 00.7
Jan. 23		
BYR	iP	04 20 28.1
	e	20 55.3
SPA	iP	04 21 11.0
	e	21 39.0
	i	21 54.0
Jan 23		
SPA	e(P)	04 38 21.4
Jan. 23		
BYR	e(P)	05 07 25.9
	e	07 35.6
SPA	eP'	05 07 36.7
Jan. 23		
SPA	eP	07 29 11.8
Jan. 23		
BYR	eP	09 19 25.6
SPA	eP	09 20 03.7
Jan. 23		
BYR	eP	10 51 45.6
SPA	iP	10 51 39.3
Jan. 23		
BYR	eP	10 56 39.6
SPA	eP	10 57 12.7
Jan. 23		
BYR	eP	13 50 24.7
SPA	iP	13 51 15.9
Jan. 23		
SPA	iP	14 44 15.9

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Date and Station	Phase	(GCT)
Jan. 23		h m s
BYR	e(P)	15 46 54.6
Jan. 23		
BYR	e(P)	19 03 29.9
Jan. 23		
BYR	eP	20 17 00.0
Jan. 23		
BYR	e(P)	20 27 48.5
SPA	e(P)	20 26 52.5
Jan. 23		
BYR	e(P)	21 57 52.0
Jan. 23		
BYR	e(P)	22 03 49.0
	e	04 13.2
Jan. 23		
SPA	eP	22 51 25.3
Jan. 23		
BYR	e(P)	04 45 08.8
Jan. 24		
BYR	e(P)	05 14 39.6
Jan. 24		
BYR	iP	07 36 07.7
	iPcP	36 40.5
SPA	iP	07 36 24.6
	iPcP	36 57.3
	ipP	37 11.8
	e(ScS)	45 48.5
Jan. 24		
BYR	e(P)	08 03 35.3
	e	03 53.1
Jan. 24		
BYR	eP	08 08 41.4
SPA	iP	08 08 34.5
Jan. 24		
SPA	eP	13 45 08.0
Jan. 24		
BYR	eP	13 48 49.7
	e	50 14.8
Jan. 24		
BYR	e(P)	14 04 37.9
Jan. 24		
SPA	e(P)	15 49 07.2
Jan. 24		
BYR	e(P)	22 20 19.3
Jan. 24		
BYR	iP	22 46 15.5
	e	46 45.7

Date and Station	Phase	(GCT)
Jan. 24		h m s
BYR	eP	23 25 43.9
Jan. 24		
BYR	e(P)	23 32 19.3
Jan. 24		
BYR	eP	23 55 09.3
	ePcP	55 39.5
Jan. 25		
BYR	eP	01 07 09.5
Jan. 25		
BYR	e(P)	03 30 02.7
Jan. 25		
BYR	e(P)	03 59 08.9
Jan. 25		
BYR	e(P)	04 37 08.3
Jan. 25		
BYR	e(P)	04 39 07.5
Jan. 25		
BYR	iP	05 32 59.3
	e	37 29.7
SPA	iP	05 33 14.7
Jan. 25		
BYR	e(P)	06 10 47.0
Jan. 25		
BYR	eP	06 18 18.9
SPA	eP	06 18 34.7
Jan. 25		
BYR	e(P)	07 23 40.1
SPA	eP	07 24 02.7
Jan. 25		
BYR	e(P)	07 33 30.4
Jan. 25		
BYR	e(P)	07 39 06.6
Jan. 25		
BYR	e(P)	07 42 48.9
	e	42 57.7
SPA	e(P)	07 43 16.4
Jan. 25		
BYR	e(P)	09 26 11.5
Jan. 25		
BYR	e(P)	10 32 53.0
Jan. 25		
BYR	e(P)	12 17 01.0
	ePP	19 40.8
SPA	eP	12 17 17.2

Date and Station	Phase	(GCT)
Jan. 25		h m s
BYR	eP	12 59 37.9
Jan. 25		
BYR	e(P)	16 56 28.6
SPA	eP	16 57 01.9
Jan. 25		
BYR	e(P)	17 34 00.1
	e(PP)	37 51.1
SPA	iP	17 33 37.1
Jan. 25		
BYR	eP	18 36 08.1
	e	36 24.0
	e	36 52.4
SPA	eP	18 36 45.6
Jan. 25		
BYR	e(P)	18 56 10.9
	e	57 17.1
Jan. 25		
BYR	eP	19 17 10.9
SPA	iP	19 17 43.9
	i	17 49.9
Jan. 25		
BYR	e(P')	19 23 28.3
	e	23 38.7
SPA	eP'	19 23 34.1
	i	23 44.0
Jan. 25		
BYR	e(P)	20 06 08.7
Jan. 25		
BYR	e(P)	20 14 43.5
Jan. 25		
BYR	e(P)	20 56 31.4
Jan. 25		
SPA	eP	23 03 05.8
Jan. 26		
SPA	e(P)	00 59 08.8
Jan. 26		
BYR	e(P)	02 05 35.9
Jan. 26		
BYR	e(P)	06 12 51.6
	e	13 14.7
Jan. 26		
BYR	eP	06 13 44.6
SPA	eP	06 14 06.2
Jan. 26		
BYR	eP	07 44 02.1
SPA	iP	07 43 55.8

Date and Station	Phase	(GCT)
Jan. 26		h m s
SPA	eP	08 10 10.1
Jan. 26		
BYR	e(P)	10 15 51.1
Jan. 26		
BYR	eP	10 38 37.1
SPA	iP	10 38 52.4
Jan. 26		
BYR	e(P)	11 12 09.5
Jan. 26		
SPA	e(P)	12 00 16.2
Jan. 26		
BYR	eP	12 53 19.0
SPA	e(P)	12 52 59.6
	e	53 07.3
Jan. 26		
BYR	iP	13 23 01.7
SPA	iP	13 23 21.1
	iPcP	23 51.5
Jan. 26		
BYR	eP	13 45 14.8
Jan. 26		
BYR	e(P)	15 47 07.9
Jan. 26		
SPA	eP	15 51 58.0
Jan. 26		
BYR	eP	16 08 58.5
Jan 26		
BYR	eP	16 23 58.2
SPA	iP	16 24 18.5
	i	24 25.1
Jan. 26		
BYR	e(P)	16 37 35.5
Jan. 26		
SPA	eP	16 51 29.3
	i	51 36.0
Jan. 26		
BYR	e(P)	16 54 05.0
Jan. 26		
BYR	e(P)	17 56 53.6
	e	57 00.1
SPA	eP	17 57 42.5
Jan. 26		
BYR	iP	18 59 40.2

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Date and Station	Phase	(GCT)
		h m s
SPA	iP	18 59 59.9
Jan. 26		
BYR	e(P)	20 40 49.3
SPA	iP	20 05 18.3
Jan. 26		
SPA	eP	20 47 33.9
Jan. 26		
BYR	eP	21 31 32.3
SPA	iP	21 31 58.5
Jan. 26		
BYR	e(P)	21 46 20.2
	e	46 32.5
Jan. 27		
BYR	eP	00 09 47.9
SPA	eP	00 10 03.3
Jan. 27		
BYR	iP	01 04 39.6
SPA	iP	01 04 43.9
	i	05 03.2
Jan. 27		
SPA	eP	01 37 30.3
Jan. 27		
BYR	eP	02 14 02.9
SPA	eP	02 13 16.5
Jan. 27		
BYR	e(P)	03 22 07.4
Jan. 27		
SPA	e(P)	04 47 51.4
Jan. 27		
BYR	eP	06 47 53.2
SPA	iP	06 46 48.9
Jan. 27		
BYR	e(P)	09 41 51.3
Jan. 27		
BYR	e(P)	14 07 40.6
SPA	eP	14 07 41.6
Jan. 27		
BYR	eP	14 20 22.1
SPA	eP	14 21 12.8
Jan. 27		
BYR	e(P)	14 31 29.4
SPA	e(P)	14 31 21.8
Jan. 27		
BYR	eP	14 57 35.8

Date and Station	Phase	(GCT)
Jan. 27		h m s
BYR	iP	15 16 35.8
	i	21 27.8
SPA	iP	15 16 51.8
Jan. 27		
BYR	eP	20 26 12.7
Jan. 28		
BYR	e(P)	01 43 16.2
Jan. 28		
BYR	e(P)	02 10 06.4
SPA	eP	02 10 56.6
Jan. 28		
BYR	eP	03 35 46.7
	i	35 48.4
	iPcP	36 02.2
SPA	eP	03 36 28.2
	iPcP	36 44.1
Jan. 28		
BYR	e(P)	04 03 53.0
Jan. 28		
BYR	iP	05 23 10.8
SPA	iP	05 23 31.0
	i	23 55.1
	i	24 02.9
Jan. 28		
SPA	eP	08 31 48.0
Jan. 28		
BYR	e(P)	08 41 55.4
Jan. 28		
BYR	eP	09 38 33.4
Jan. 28		
BYR	e(P)	09 52 32.7
Jan. 28		
BYR	eP	10 01 41.9
Jan. 28		
BYR	e(P)	11 26 34.2
SPA	eP	11 26 54.3
Jan. 28		
BYR	e(P)	11 38 03.6
Jan. 28		
BYR	eP	11 48 56.8
Jan. 28		
BYR	iP	14 13 07.9
SPA	iP	14 14 28.9
Jan. 28		
BYR	iP	14 33 33.8

Date and Station	Phase	(GCT)
Jan. 28		h m s
BYR	eP	14 46 21.3
SPA	eP	14 46 36.9
Jan. 28		
BYR	eP	15 05 45.4
SPA	eP	15 06 00.4
Jan. 28		
BYR	eP	17 45 06.1
SPA	eP	17 45 25.8
Jan. 28		
BYR	e(P)	18 05 12.1
SPA	eP	18 06 01.7
Jan. 28		
BYR	e(P)	18 31 03.2
Jan. 28		
BYR	e(P)	18 34 18.7
	e	36 27.8
Jan. 28		
BYR	e(P)	19 07 24.4
Jan. 28		
BYR	e(P)	19 17 20.1
SPA	eP	19 17 05.1
Jan. 28		
BYR	iP	19 53 45.4
SPA	iP	19 54 05.8
Jan. 28		
BYR	e(P)	20 00 15.9
Jan. 28		
BYR	e(P)	20 22 20.6
SPA	e(P)	20 22 12.6
Jan. 29		
BYR	eP	00 31 25.7
SPA	iP	00 31 08.9
Jan. 29		
BYR	iP	01 01 57.7
Jan. 29		
BYR	e(P)	03 14 42.1
	e	14 50.9
SPA	eP	03 13 42.9
Jan. 29		
BYR	eP	03 28 29.9
SPA	e(P)	03 28 51.4
Jan. 29		
BYR	e(P)	03 39 19.4

Date and Station	Phase	(GCT)
Jan. 29		h m s
BYR	e(P)	13 15 52.1
Jan. 29		
BYR	e(P')	13 43 07.4
	eSKP	46 37.7
Jan. 29		
SPA	e(P)	15 33 22.9
Jan. 29		
SPA	e(P)	19 06 33.7
Jan. 29		
SPA	eP	19 31 49.9
Jan. 29		
BYR	eP	20 34 55.9
SPA	eP	20 35 45.9
Jan. 29		
BYR	eP	20 43 54.7
	e	46 16.6
	ePP	46 31.5
SPA	iP	20 44 25.7
Jan. 30		
SPA	eP	00 18 25.6
Jan. 30		
BYR	e(P)	00 55 08.4
SPA	eP	00 55 45.8
Jan. 30		
SPA	eP	02 17 05.4
Jan. 30		
SPA	e(P)	05 48 33.2
Jan. 30		
BYR	e(P)	08 47 58.4
Jan. 30		
BYR	e(P)	09 52 24.1
Jan. 30		
SPA	eP	11 26 45.3
Jan. 30		
BYR	e(P)	11 32 07.2
SPA	eP	11 31 51.0
Jan. 30		
BYR	iP'	12 32 16.3
SPA	eP'	12 32 27.3
Jan. 31		
BYR	e(P)	00 46 05.7
Jan. 31		
BYR	e(P')	01 07 51.2
	eSKP	10 42.7
	e(SKKP)	20 04.8

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Date and Station	Phase	(GCT) h m s
SPA	iP'	01 08 15.0
	i	08 24.8
	iSKP	11 27.2
Jan. 31		
SPA	eP	01 37 32.7
Jan. 31		
SPA	eP	06 08 09.4
Jan. 31		
BYR	eP	06 24 07.3
Jan. 31		
BYR	e(P)	07 56 18.4
SPA	eP	07 56 40.4
Jan. 31		
SPA	eP	11 14 49.9
Jan. 31		
SPA	iP	13 34 08.2
Jan. 31		
BYR	iP	14 09 53.8
SPA	iP	14 10 11.2
Jan. 31		
BYR	eP	18 47 09.7
	e	55 03.8
SPA	iP	18 47 56.3
Feb. 1		
SPA	iP	00 41 27.2
Feb. 1		
SPA	eP	01 45 52.6
Feb. 1		
BYR	e(P)	04 42 04.0
SPA	iP	04 42 42.5
Feb. 1		
BYR	e(P)	05 23 36.9
Feb. 1		
SPA	eP	06 29 38.9
Feb. 1		
BYR	eP	06 38 47.2
SPA	iP	06 39 09.4
Feb. 1		
BYR	e(P)	07 58 24.1
SPA	eP	07 59 10.2
Feb. 1		
BYR	e(P)	08 48 04.5

Date and Station	Phase	(GCT) h m s
Feb. 1		
SPA	eP	11 46 44.4
Feb. 1		
BYR	e(P)	15 00 17.6
Feb. 1		
BYR	eP	15 53 51.8
SPA	eP	15 53 43.5
Feb. 1		
BYR	e(P)	18 58 09.6
BYR	eP	20 19 14.6
SPA	iP	20 19 44.5
Feb. 2		
BYR	e(P)	02 11 00.6
Feb. 2		
BYR	e(P)	02 27 39.7
Feb. 2		
BYR	e(P)	05 00 33.2
Feb. 2		
BYR	eP	05 35 01.9
SPA	eP	05 34 09.6
Feb. 2		
BYR	e(P)	05 55 01.4
Feb. 2		
BYR	eP	06 53 57.8
Feb. 2		
BYR	e(P)	07 12 12.9
Feb. 2		
BYR	eP	08 12 29.7
SPA	eP	08 12 44.7
Feb. 2		
BYR	eP	08 27 18.1
SPA	eP	08 28 10.5
Feb. 2		
BYR	e(P)	09 54 17.3
Feb. 2		
SPA	iP	10 02 01.2
Feb. 2		
BYR	e(P)	11 27 26.4
	ePP	31 41.8
	e	43 12.9
SPA	eP	11 27 24.8
	ePP	31 29.1
Feb. 2		
BYR	eP	13 21 13.0

Date and Station	Phase	(GCT) h m s
Feb. 2		
SPA	eP	14 34 30.9
Feb. 2		
BYR	eP	16 12 01.8
SPA	iP	16 12 38.8
Feb. 2		
BYR	e(P)	16 34 37.3
SPA	eP	16 35 23.5
Feb. 2		
SPA	eP	21 03 30.3
Feb. 3		
BYR	e(P)	02 39 47.5
Feb. 3		
BYR	eP	06 56 58.4
	e	57 24.6
SPA	iP	06 57 40.8
	i	58 07.0
Feb. 3		
BYR	e(P)	07 33 58.6
SPA	eP	07 33 45.5
Feb. 3		
BYR	e(P)	09 44 54.0
SPA	e(P)	09 45 51.7
Feb. 3		
SPA	eP	11 08 49.5
Feb. 3		
BYR	eP	11 11 58.9
SPA	iP	11 12 36.0
	i	12 44.9
	eS	21 15.7
Feb. 3		
SPA	eP	11 58 20.6
Feb. 3		
BYR	eP	12 09 22.8
SPA	iP	12 10 10.0
	i	10 13.2
Feb. 3		
BYR	iP	12 41 46.0
	iPcP	42 50.3
SPA	iP	12 42 13.9
	iPcP	43 19.2
Feb. 3		
BYR	eP'	13 50 42.7
SPA	eP'	13 50 40.3
Feb. 3		
BYR	eP	14 16 05.1

Date and Station	Phase	(GCT) h m s
SPA	iP	14 16 52.7
Feb. 3		
BYR	iP	14 35 38.2
	e(S)	42 44.3
SPA	iP	14 36 17.2
	i	36 49.0
	iS	44 48.0
Feb. 3		
SPA	eP	15 24 13.8
Feb. 3		
SPA	eP	16 55 09.4
Feb. 3		
SPA	eP	20 10 14.1
Feb. 3		
SPA	iP	22 10 25.0
Feb. 4		
SPA	eP	00 45 09.0
Feb. 4		
SPA	eP	01 12 06.7
Feb. 4		
SPA	iP	01 24 05.2
	i	24 33.4
Feb. 4		
SPA	eP	01 44 41.0
Feb. 4		
SPA	eP	01 51 41.0
	e	55 11.8
Feb. 4		
SPA	eP	02 28 06.5
Feb. 4		
SPA	eP	03 06 40.5
Feb. 4		
SPA	eP	03 21 38.0
Feb. 4		
SPA	eP	04 09 55.4
Feb. 4		
SPA	iP	04 16 47.6
Feb. 4		
SPA	eP	06 12 11.6
Feb. 4		
SPA	eP	06 35 51.4
Feb. 4		
SPA	eP	07 11 30.1
Feb. 4		
SPA	iP'	09 10 13.3
	i	10 50.0

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Date and Station	Phase	(GCT)
		h m s
Feb. 4		
SPA	eP	09 21 27.5
Feb. 4		
SPA	eP	09 53 09.2
Feb. 4		
SPA	eP	10 36 43.9
Feb. 4		
SPA	eP	11 00 53.9
Feb. 4		
SPA	eP	12 27 56.0
Feb. 4		
SPA	eP	13 08 39.2
Feb. 4		
SPA	iP	15 26 25.0
	i	26 44.7
Feb. 4		
SPA	iP	15 34 14.3
	i	34 22.9
Feb. 4		
SPA	eP	16 04 16.2
Feb. 4		
SPA	e(P)	17 42 43.8
Feb. 4		
BYR	e(P')	19 28 02.1
SPA	e(P')	19 27 52.0
Feb. 4		
SPA	eP	19 38 41.8
Feb. 4		
BYR	eP	19 48 00.4
	e	53 21.9
SPA	iP	19 47 42.1
Feb. 4		
SPA	e(P)	20 12 10.0
Feb. 4		
SPA	eP	20 53 38.3
Feb. 4		
SPA	eP	21 18 51.5
Feb. 4		
SPA	e(P)	22 31 32.3
Feb. 4		
BYR	e(P)	22 53 30.6
Feb. 5		
BYR	e(P)	00 18 10.8
	e	21 30.3
Feb. 5		
SPA	eP	00 21 33.9

Date and Station	Phase	(GCT)
		h m s
Feb. 5		
SPA	eP	02 02 34.1
Feb. 5		
SPA	eP	03 48 39.1
Feb. 5		
SPA	eP	04 47 44.4
Feb. 5		
BYR	e(P)	06 28 40.8
SPA	eP	06 27 56.0
Feb. 5		
BYR	e(P)	07 34 01.6
Feb. 5		
BYR	iP	07 49 52.3
SPA	iP	07 50 23.9
	ipP	52 23.1
Feb. 5		
SPA	eP	08 43 17.8
Feb. 5		
SPA	eP	11 11 44.1
Feb. 5		
BYR	e(P)	11 19 07.5
SPA	iP	11 18 37.5
Feb. 5		
BYR	eP	12 04 50.8
SPA	iP	12 05 39.0
Feb. 5		
BYR	e(P)	12 56 20.0
SPA	eP	12 56 54.9
Feb. 5		
BYR	e(P)	13 02 41.2
SPA	eP	13 01 53.3
	e	02 54.0
Feb. 5		
BYR	eP	15 51 30.7
SPA	eP	15 52 10.0
Feb. 5		
SPA	eP	16 08 41.6
Feb. 5		
BYR	e(P)	17 58 01.2
	e	58 05.7
SPA	eP	17 56 50.3
Feb. 5		
BYR	eP	18 01 08.7
SPA	iP	17 59 59.1

Date and Station	Phase	(GCT)
		h m s
Feb. 5		
SPA	eP	18 12 39.9
Feb. 5		
BYR	eP	18 20 07.6
Feb. 5		
BYR	e(P)	19 20 53.4
Feb. 5		
SPA	eP	19 28 18.3
Feb. 5		
SPA	iP	19 36 11.9
Feb.5		
BYR	eP	20 49 10.1
Feb. 5		
BYR	e(P)	22 52 39.3
SPA	e(P)	22 51 05.2
Feb. 5		
BYR	eP	23 03 41.3
SPA	iP	23 02 33.2
Feb. 6		
BYR	e(P)	00 10 24.6
Feb. 6		
SPA	iP	00 25 56.2
Feb. 6		
BYR	iP	01 10 37.1
SPA	iP	01 09 50.1
Feb. 6		
BYR	e(P)	03 53 15.2
Feb. 6		
BYR	e(P)	06 38 22.6
SPA	eP	06 38 56.9
Feb. 6		
BYR	eP	08 49 06.6
Feb. 6		
BYR	iP	10 40 31.4
	i	41 00.6
	eS	48 57.8
SPA	eP	10 41 09.8
Feb. 6		
BYR	e(P)	11 09 09.1
	e	09 52.3
Feb. 6		
SPA	eP	11 12 18.6
Feb. 6		
BYR	iP	11 31 02.3
SPA	iP	11 32 30.4
Feb. 6		
BYR	eP'	12 31 38.3
	eSKP	35 10.1

Date and Station	Phase	(GCT)
		h m s
SPA	eP'	12 31 47.0
Feb. 6		
SPA	eP	12 43 28.2
Feb. 6		
SPA	iP	15 11 20.3
Feb. 6		
BYR	e(P)	16 42 21.9
SPA	eP	16 42 45.3
Feb. 6		
BYR	e(P')	18 34 29.1
	i	34 38.6
	ESKP	38 03.6
SPA	eP'	18 34 39.5
	i	34 54.8
	e(PP)	37 31.3
	e	38 02.1
Feb. 6		
BYR	e(P)	18 46 19.1
Feb. 6		
SPA	iP	19 41 24.5
Feb. 6		
SPA	e(P)	19 51 20.5
Feb. 6		
BYR	iP	19 56 21.4
Feb. 6		
BYR	eP	20 06 40.9
Feb. 6		
BYR	eP	20 23 40.4
	e	28 50.8
SPA	iP	20 23 50.0
Feb. 6		
BYR	eP	21 36 10.5
Feb. 6		
BYR	iP	21 57 33.0
	iS	22 07 46.6
	e	14 22.2
SPA	iP	21 57 37.4
	i	58 19.8
	eS	22 07 52.8
	ePKKP	15 53.3
Feb. 6		
BYR	iP	22 09 57.1
SPA	eP	22 10 01.8
Feb. 6		
BYR	e(P)	22 23 41.6
SPA	eP	22 23 23.3
	e	27 20.1
Feb. 6		
BYR	e(P)	22 28 22.2

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Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
		h m s			h m s			h m s			h m s
Feb. 6			Feb. 7								
BYR	e(P)	22 44 15.2	BYR	eP	15 03 28.4	SPA	iP	17 07 43.4	SPA	eP	02 47 25.8
SPA	e(P)	22 44 14.6	SPA	iP	15 04 15.6	Feb. 8			Feb. 9		
Feb. 7			Feb. 7			BYR	iP	18 00 34.4	BYR	e(P)	03 20 47.6
SPA	eP	01 04 53.8	SPA	eP	15 58 49.6	SPA	iP	18 01 05.4	Feb. 9		
Feb. 7			Feb. 7				i	01 12.7	SPA	eP	04 40 06.0
BYR	eP	01 55 24.6	SPA	eP	19 16 30.1		ipP	02 55.9			
SPA	iP	01 55 40.1	Feb. 7				eS	09 32.1	Feb. 9		
	iPP	58 36.8	BYR	eP'	21 20 53.0	Feb. 8			SPA	eP	06 12 08.0
Feb. 7			SPA	eP'	21 20 52.5	SPA	eP	18 28 53.6	Feb. 9		
BYR	e(P)	02 19 48.9	Feb. 7				e	31 47.2	SPA	eP	06 51 37.3
SPA	eP	02 20 12.3	BYR	eP'	23 46 31.2	Feb. 8			Feb. 9		
Feb. 7			SPA	eP'	23 46 38.5	BYR	eP	19 38 25.0	BYR	e(P)	07 36 30.7
BYR	eP	03 09 34.1		eSKP	50 16.3	SPA	eP	19 38 22.9	Feb. 9		
SPA	iP	03 09 49.6	Feb. 8			Feb. 8			SPA	e(P)	08 56 05.0
Feb. 7			BYR	iP	02 47 50.5	BYR	e(P)	20 46 54.5	Feb. 9		
BYR	eP	04 11 32.3	SPA	iP	02 48 07.5	Feb. 8			BYR	eP	09 15 50.3
SPA	iP	04 11 47.5		i	48 14.1	SPA	iP	20 51 04.5	SPA	iP	09 16 04.8
Feb. 7			Feb. 8			Feb. 8			Feb. 9		
BYR	e(P)	04 38 05.4	BYR	eP	03 15 34.0	BYR	eP	21 32 56.3	SPA	eP	11 59 16.3
	e	39 18.2	SPA	eP	03 14 25.4	SPA	iP	21 33 31.3	Feb. 9		
Feb. 7			Feb. 8			Feb. 8			BYR	eP	13 22 59.6
BYR	eP	05 24 50.0	SPA	eP	03 32 52.5	BYR	e(P)	21 47 33.5	SPA	eP	13 23 48.6
SPA	e(P)	05 24 28.7	Feb. 8			SPA	e(P)	21 48 25.3	Feb. 9		
Feb. 7			BYR	eP	04 43 56.3	Feb. 8			SPA	e(P)	14 26 25.8
BYR	e(P)	05 38 17.9	Feb. 8			SPA	eP	22 59 45.2	Feb. 9		
SPA	eP	05 38 33.5	BYR	iP	06 22 51.1	Feb. 9			SPA	eP	14 53 26.0
Feb. 7			Feb. 8			BYR	eP	00 11 32.8	Feb. 9		
BYR	eP	06 13 55.4	BYR	iP	08 14 44.2	SPA	iP	00 11 36.4	SPA	e(P)	17 05 33.0
SPA	eP	06 14 09.4		ipP	16 56.0		i	11 46.9	Feb. 9		
Feb. 7			SPA	iP	08 15 19.6	Feb. 9			BYR	eP	20 34 00.9
BYR	eP	06 29 54.7		iPcP	15 38.2	BYR	iP	02 17 57.9	Feb. 9		
SPA	eP	06 30 10.2		ipP	17 29.4		i	18 15.2	SPA	eP	20 48 26.3
	i	30 20.5		eS	24 29.6		i	18 35.6	Feb. 9		
Feb. 7			Feb. 8				ePcP	18 54.0	BYR	e(P)	22 38 46.4
SPA	eP	12 15 25.3	BYR	e(P)	08 41 56.4		i	19 19.0	SPA	iP	22 39 16.0
Feb. 7			SPA	iP	08 42 06.4		eScP	22 59.2	Feb. 9		
SPA	e(P)	12 35 11.8	Feb. 8				eS	25 51.6	BYR	eP	22 45 14.4
Feb. 7			BYR	eP	09 58 33.0	SPA	iP	02 18 32.9	Feb. 10		
BYR	eP	14 33 29.7	SPA	iP	09 58 18.9		i	18 58.5	BYR	e(P)	00 47 04.3
SPA	iP	14 34 16.6		i	58 32.4		i	19 47.0	SPA	iP	00 47 36.8
Feb. 7			Feb. 8				i	23 50.0	Feb. 10		
BYR	eP	14 56 05.7	BYR	eP	12 10 33.9		i	24.50.3	SPA	e(P)	01 18 07.3
			SPA	iP	12 11 09.4		eS	26 59.0	Feb. 7		
			Feb. 8			Feb. 9			BYR	e(P)	01 35 05.1
			BYR	eP	17 07 12.2	SPA	iP	02 38 06.2			
						Feb. 9					
						BYR	e(P)	02 46 51.8			
							e	47 36.1			

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Date and Station	Phase	(GCT)
Feb. 10		h m s
SPA	eP	01 51 00.8
Feb. 10		
SPA	e(P)	04 05 07.2
Feb. 10		
BYR	eP	05 03 36.6
Feb. 10		
BYR	eP	07 17 40.8
Feb. 10		
BYR	eP	07 31 40.6
SPA	eP	07 32 31.3
Feb. 10		
SPA	eP	08 00 36.3
Feb. 10		
BYR	e(P)	09 00 29.5
Feb. 10		
BYR	e(P)	09 31 58.6
Feb. 10		
BYR	e(P)	11 21 18.1
Feb. 10		
SPA	eP	12 08 16.5
Feb. 10		
BYR	eP	13 32 21.9
SPA	eP	13 32 05.2
Feb. 10		
BYR	eP	14 34 59.4
SPA	iP	14 35 44.4
Feb. 10		
BYR	e(P)	16 17 56.1
SPA	eP	16 16 51.2
Feb. 10		
SPA	e(P)	17 11 39.1
Feb. 10		
BYR	eP	18 23 19.0
SPA	eP	18 24 14.4
Feb. 11		
BYR	e(P)	00 35 22.9
Feb. 11		
BYR	iP	01 13 21.9
SPA	iP	01 13 57.7
Feb. 11		
BYR	e(P)	01 40 19.7
Feb. 11		
SPA	e(P)	04 13 33.3

Date and Station	Phase	(GCT)
Feb. 11		h m s
BYR	iP	06 29 10.5
SPA	eP	06 29 00.1
Feb. 11		
BYR	eP'	06 30 33.1
	e	33 26.4
SPA	iP'	06 30 30.8
Feb. 11		
BYR	e(P)	06 40 45.6
Feb. 11		
BYR	e(P)	06 46 37.3
Feb. 11		
BYR	e(P)	08 55 37.1
SPA	eP	08 57 41.1
Feb. 11		
BYR	eP	09 44 47.0
	e	45 18.3
SPA	iP	09 45 26.0
Feb. 11		
SPA	iP	11 02 56.7
Feb. 11		
BYR	iP	11 37 58.2
	iPcP	38 51.2
SPA	iP	11 38 35.7
Feb. 11		
SPA	eP	12 37 03.6
Feb. 11		
SPA	eP	14 23 53.6
Feb. 11		
SPA	eP	14 43 07.4
Feb. 11		
BYR	iP	16 56 40.0
SPA	iP	16 57 13.6
	i	57 23.5
	ipP	58 08.7
Feb. 11		
BYR	e(P)	17 25 14.3
Feb. 11		
BYR	eP	20 27 52.9
Feb. 11		
BYR	iP	21 10 48.4
	iPcP	11 45.2
SPA	iP	21 11 23.5
	i	11 39.0
	i	14 51.5
	iS	19 48.0

Date and Station	Phase	(GCT)
Feb. 11		h m s
BYR	e(P)	21 30 32.7
	e	33 30.6
SPA	eP	21 30 08.2
Feb. 11		
BYR	e(P)	21 39 22.6
	e	40 24.1
SPA	iP	21 40 07.3
	i	40 24.5
Feb. 11		
BYR	e(P)	22 12 40.4
	e	13 38.1
SPA	iP	22 13 15.7
Feb. 11		
BYR	iP	22 53 57.9
SPA	iP	22 54 36.0
Feb. 12		
SPA	eP	00 55 55.7
Feb. 12		
BYR	iP	01 27 33.5
SPA	iP	01 28 48.2
Feb. 12		
SPA	eP	03 07 04.9
Feb. 12		
SPA	iP	03 14 11.7
Feb. 12		
BYR	eP	06 15 50.7
SPA	eP	06 16 06.4
Feb. 12		
BYR	eP	06 31 54.6
SPA	e(P)	06 32 22.6
	i	32 26.2
Feb. 12		
BYR	e(P)	07 33 15.1
Feb. 12		
SPA	eP	10 50 31.2
Feb. 12		
SPA	eP	11 18 36.8
Feb. 12		
SPA	eP	11 37 46.7
Feb. 12		
BYR	e(P)	11 42 55.7
SPA	e(P)	11 43 27.4
Feb. 12		
BYR	iP	12 20 04.5
	epP	21 06.7

Date and Station	Phase	(GCT)
		h m s
SPA	iP	12 20 37.7
Feb. 12		
BYR	iP	13 07 51.9
	i	08 01.9
	epP	09 58.2
SPA	iP	13 08 11.8
	eS	17 12.0
Feb. 12		
SPA	e(P)	14 14 13.9
Feb. 12		
BYR	eP	15 34 09.3
SPA	eP	15 33 51.0
Feb. 12		
SPA	eP	16 54 18.5
Feb. 12		
SPA	eP	20 29 26.9
Feb. 12		
BYR	e(P')	22 12 45.3
	i	13 11.9
	e(SKP)	15 41.0
	e(PKS)	16 24.2
SPA	e(P')	22 12 44.7
	i	12 58.5
	iSKP	15 21.8
	e	25 05.7
Feb. 12		
BYR	eP	22 56 47.0
SPA	eP	22 57 04.0
Feb. 12		
BYR	e(P)	23 10 46.2
Feb. 12		
SPA	eP	23 13 43.0
Feb. 12		
BYR	e(P')	23 45 43.0
	i	45 49.8
	eSKP	49 16.0
SPA	eP'	23 45 49.9
	i	46 02.6
	eSKP	48 33.7
	eSKKP	58 10.0
Feb. 13		
BYR	eP	00 47 10.8
	e	47 20.5
Feb. 13		
BYR	eP'	00 51 10.6
Feb. 13		
SPA	iP	01 25 03.9

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Date and Station	Phase	(GCT)
		h m s
Feb. 13		
BYR	e(P')	02 49 20.0
	e	50 31.0
Feb. 13		
BYR	e(P)	03 10 05.2
Feb. 13		
BYR	eP	04 04 42.6
Feb. 13		
BYR	e(P)	04 43 14.8
Feb. 13		
BYR	e(P')	05 02 36.6
Feb. 13		
SPA	eP	05 57 07.0
	i	57 11.8
Feb. 13		
BYR	eP	06 56 32.9
Feb. 13		
SPA	eP	09 04 29.7
Feb. 13		
BYR	eP'	09 26 13.3
Feb. 13		
BYR	eP	13 58 20.6
SPA	iP	13 58 24.8
Feb. 13		
SPA	eP	14 10 33.7
Feb. 13		
BYR	e(P)	14 44 17.7
Feb. 13		
BYR	iP	16 30 06.9
SPA	eP	16 29 46.5
Feb. 13		
SPA	e(P)	16 39 44.5
Feb. 13		
BYR	eP'	16 46 36.0
	i	46 50.9
	ePP	49 16.9
SPA	iP'	16 46 39.6
	iPP	49 17.5
Feb. 13		
BYR	e(P)	16 56 15.0
	e	58 29.9
Feb. 13		
BYR	eP'	18 09 28.0
	e	09 41.7
	e(PKS)	13 39.0
Feb. 13		
SPA	eP	19 50 35.1
Feb. 13		
BYR	eP	21 39 53.8

Date and Station	Phase	(GCT)
		h m s
Feb. 13		
BYR	eP'	22 56 26.8
	e	56 41.2
Feb. 13		
BYR	e(P)	23 15 31.2
Feb. 14		
BYR	eP'	03 10 21.3
	eSKP	13 46.6
Feb. 14		
BYR	e(P)	03 34 41.6
Feb. 14		
BYR	iP'	03 41 18.8
	eSKP	44 41.3
SPA	eP'	03 41 18.4
	ePP	43 48.0
Feb. 14		
BYR	e(P)	03 54 08.8
Feb. 14		
BYR	eP	04 05 57.2
Feb. 14		
BYR	e(P)	04 08 56.6
Feb. 14		
BYR	iP	05 52 09.0
SPA	iP	05 53 01.2
Feb. 14		
BYR	e(P)	07 06 30.0
Feb. 14		
BYR	e(P)	07 27 37.1
Feb. 14		
BYR	e(P)	09 05 40.6
Feb. 14		
BYR	eP	10 13 58.5
SPA	iP	10 14 15.1
Feb. 14		
BYR	eP	11 08 27.6
Feb. 14		
SPA	eP	11 12 29.7
Feb. 14		
BYR	eP	16 02 01.1
SPA	eP	16 02 37.7
Feb. 14		
BYR	e(P)	16 55 18.6
Feb. 14		
SPA	e(P)	17 38 40.3
Feb. 14		
BYR	e(P)	20 29 50.4
	e	32 15.1

Date and Station	Phase	(GCT)
		h m s
SPA	e(P)	22 48 53.1
Feb. 15		
BYR	eP	01 21 27.9
	e	21 46.4
SPA	eP	01 22 06.9
Feb. 15		
BYR	e(P)	01 46 00.1
Feb. 15		
SPA	iP	01 50 12.6
Feb. 15		
BYR	eP	02 19 54.0
SPA	iP	02 20 15.3
Feb. 15		
BYR	eP	06 37 00.2
SPA	eP	06 37 34.3
Feb. 15		
BYR	e(P')	11 04 15.9
	i	04 29.2
	ipP	04 41.3
SPA	eP'	11 04 17.8
	i	04 31.4
	ipP'	04 42.0
	ePP	07 04.0
Feb. 15		
BYR	e(P')	11 47 58.6
SPA	eP'	11 47 41.4
Feb. 15		
BYR	e(P)	12 15 54.9
	e	17 02.9
SPA	eP	12 15 54.5
Feb. 15		
BYR	eP	15 11 41.7
Feb. 15		
BYR	eP	16 41 52.8
SPA	iP	16 42 22.9
Feb. 15		
BYR	e(P)	18 03 42.7
	e	03 48.5
SPA	eP	18 04 04.9
Feb. 15		
SPA	eP	19 28 41.9
Feb. 15		
BYR	e(P)	20 57 19.7
Feb. 15		
BYR	eP	21 45 42.6

Date and Station	Phase	(GCT)
		h m s
Feb. 16		
BYR	eP	00 39 16.3
SPA	iP	00 39 47.5
Feb. 16		
BYR	e(P)	00 52 39.4
Feb. 16		
BYR	e(P)	01 57 10.1
Feb. 16		
SPA	eP	02 45 56.3
Feb. 16		
BYR	e(P)	03 35 15.1
SPA	eP	03 36 13.4
Feb. 16		
SPA	e(P)	05 29 25.9
Feb. 16		
BYR	eP'	09 13 31.0
SPA	eP'	09 13 27.2
Feb. 16		
BYR	e(P)	13 36 08.2
	e	40 04.9
SPA	iP	13 36 32.3
	e	40 35.2
Feb. 16		
BYR	eP	14 12 22.9
SPA	iP	14 12 27.5
Feb. 16		
BYR	iP'	14 14 16.0
	e(SKP)	17 14.0
SPA	eP'	14 14 06.3
Feb. 16		
BYR	e(P')	15 13 38.5
Feb. 16		
BYR	eP	15 44 06.1
SPA	iP	15 44 22.6
Feb. 16		
BYR	e(P)	16 05 41.1
Feb. 16		
BYR	eP	16 22 06.2
SPA	iP	16 21 32.2
Feb. 16		
BYR	e(P)	17 31 36.6
SPA	e(P)	17 32 17.3
Feb. 16		
BYR	e(P)	18 45 48.5

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Date and Station	Phase	(GCT)
		h m s
Feb. 16		
BYR	eP	20 40 06.5
Feb. 16		
BYR	e(P)	23 49 22.7
	e	54 59.7
Feb. 17		
BYR	eP	00 33 13.0
SPA	eP	00 33 50.4
Feb. 17		
BYR	e(P)	00 50 16.0
Feb. 17		
BYR	e(P)	02 44 59.9
Feb. 17		
BYR	eP	06 24 33.0
Feb. 17		
BYR	e(P)	12 51 47.3
SPA	eP	12 50 38.2
	i	51 45.2
Feb. 17		
BYR	e(P)	13 50 49.1
Feb. 17		
SPA	eP	13 58 26.9
Feb. 17		
BYR	e(P)	15 50 56.8
Feb. 17		
BYR	iP	19 07 33.1
Feb. 17		
BYR	eP	20 01 13.9
Feb. 18		
SPA	e(P)	05 50 00.2
Feb. 18		
SPA	iP	12 16 36.6
	i	16 45.8
	i	16 53.5
Feb. 18		
SPA	eP	16 52 24.2
Feb. 18		
SPA	iP	17 15 00.3
	e	17 03.9
Feb. 18		
SPA	eP	18 46 00.0
Feb. 18		
SPA	eP	20 13 47.2
Feb. 19		
BYR	iP	03 29 45.2
Feb. 19		
BYR	e(P)	07 21 53.3
Feb. 19		
SPA	eP	07 45 01.1
	i	47 50.5
Feb. 19		
SPA	eP	10 31 56.0
	e	32 06.3
Feb. 19		
SPA	eP	11 11 21.1
Feb. 19		
SPA	eP	12 00 51.7
	e	05 13.3
Feb. 19		
SPA	iP	12 15 22.6
Feb. 19		
BYR	iP	12 45 38.9
Feb. 19		
SPA	iP	12 57 21.9
	i	57 27.1
Feb. 19		
SPA	eP	16 35 09.4
Feb. 19		
BYR	eP	22 12 08.1
Feb. 20		
SPA	eP	00 36 16.5
Feb. 20		
BYR	e(P)	03 28 14.3
Feb. 20		
SPA	eP	08 13 55.8
Feb. 20		
BYR	e(P)	09 22 27.4
SPA	e(P)	09 22 48.2
Feb. 20		
BYR	e(P)	09 41 37.4
Feb. 20		
SPA	e(P)	10 09 32.7
Feb. 20		
BYR	eP	13 16 08.1
SPA	eP	13 16 52.7
Feb. 20		
SPA	iP	13 24 46.7
	i	24 53.7
Feb. 20		
BYR	iP	14 29 54.5
	i	30 04.7
SPA	iP	14 29 56.5
	i	30 06.5
	ipP	30 15.9
Feb. 20		
BYR	eP	18 27 45.3
Feb. 20		
BYR	iP	18 34 46.1
	ipP	35 12.4
	isP	35 25.4
Feb. 20		
BYR	e(P)	19 04 38.9
SPA	eP	19 04 54.8
	i	05 15.5
Feb. 20		
BYR	eP	22 39 09.4
SPA	iP	22 39 47.1
	i	39 55.3
Feb. 20		
BYR	eP	23 16 39.0
SPA	iP	23 16 27.5
Feb. 21		
BYR	eP	01 15 38.0
Feb. 21		
BYR	eP	04 02 32.8
Feb. 21		
BYR	eP	05 14 29.9
Feb. 21		
BYR	eP	08 06 22.2
Feb. 21		
BYR	eP	16 37 46.3
Feb. 21		
BYR	e(P)	19 19 40.9
SPA	e(P)	19 18 39.9
Feb. 21		
SPA	e(P)	21 16 58.7
Feb. 21		
BYR	eP	23 34 42.9
Feb. 21		
SPA	eP	23 41 18.4
Feb. 21		
SPA	iP	23 50 02.7
Feb. 22		
SPA	eP	05 03 26.7
Feb. 22		
SPA	e(P)	08 29 16.8
Feb. 22		
SPA	e(P)	14 51 34.2
Feb. 22		
SPA	e(P)	15 55 51.1
Feb. 22		
BYR	eP	17 45 35.1
Feb. 22		
BYR	eP	17 54 52.5
Feb. 22		
BYR	eP	18 44 47.6
Feb. 22		
BYR	eP	20 14 41.6
Feb. 22		
BYR	iP	22 03 13.0
	i	03 28.7
Feb. 23		
BYR	eP	02 58 49.1
Feb. 23		
BYR	e(P)	03 12 55.3
	i	13 57.6
SPA	e(P)	03 12 43.1
Feb. 23		
SPA	e(P)	04 14 34.9
Feb. 23		
BYR	eP	04 27 54.2
Feb. 23		
BYR	eP'	04 35 24.6
SPA	eP'	04 35 22.1
Feb. 23		
BYR	e(P)	05 02 53.6
Feb. 23		
BYR	iP	06 44 17.4
Feb. 23		
BYR	eP	08 16 35.8
Feb. 24		
BYR	eP	01 39 39.9
Feb. 24		
SPA	iP	01 54 48.5
Feb. 24		
BYR	e(P')	03 22 58.4
Feb. 24		
SPA	iP	03 31 33.0
Feb. 24		
BYR	eP	03 33 12.8
Feb. 24		
SPA	eP	04 35 54.1
Feb. 24		
BYR	iP	08 26 47.2
	epP	27 14.9
	esP	27 28.2
SPA	eP	08 27 25.2
Feb. 24		
SPA	e(P)	10 58 45.8

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Date and Station	Phase	(GCT)	h	m	s
Feb. 24					
BYR	e(P)		15	47	30.5
Feb. 24					
BYR	e(P)		20	08	29.9
SPA	e(P)		20	08	20.0
Feb. 24					
BYR	e(P)		22	03	09.6
	e			03	29.2
	e			07	38.2
Feb. 24					
BYR	eP		22	15	20.7
SPA	e(P)		22	14	58.7
Feb. 25					
BYR	e(P)		01	03	36.3
Feb. 25					
BYR	eP		01	30	26.1
SPA	e(P)		01	30	43.0
Feb. 25					
BYR	eP		03	40	33.4
Feb. 25					
BYR	eP		05	05	01.3
SPA	iP		05	05	31.0
	epP			07	33.3
Feb. 25					
BYR	e(P)		05	33	14.7
	e			33	38.0
SPA	e(P)		05	34	37.9
Feb. 25					
BYR	eP		08	34	00.5
SPA	iP		08	34	30.8
	epP			36	26.1
Feb. 25					
BYR	eP		11	35	57.8
Feb. 25					
SPA	iP		14	03	17.1
Feb. 25					
BYR	eP		15	13	06.8
	i			13	11.9
SPA	eP		15	13	39.5
	i			13	44.3
	e			14	59.3
Feb. 25					
BYR	eP		15	33	51.6
Feb. 25					
BYR	e(P)		15	42	00.1
Feb. 25					
SPA	e(P)		19	02	11.5

Date and Station	Phase	(GCT)	h	m	s
Feb.26					
SPA	e(P)		01	54	46.2
Feb. 26					
BYR	e(P)		02	17	41.4
Feb. 26					
BYR	eP		03	06	12.4
SPA	eP		03	06	09.9
Feb. 26					
BYR	e(P)		03	23	07.6
	e			23	14.4
Feb. 26					
BYR	eP		05	20	09.4
	e			30	13.8
SPA	eP		05	19	49.4
Feb. 26					
BYR	eP		05	57	22.6
SPA	iP		05	58	36.0
	i			59	01.8
Feb. 26					
SPA	eP		06	28	35.0
Feb. 26					
SPA	eP		07	43	41.9
Feb. 26					
BYR	eP		11	29	53.2
Feb. 26					
BYR	eP'		18	29	44.3
	i			29	46.5
	ipP'			30	02.5
	iPP			31	33.7
SPA	iP'		18	29	29.7
	ipP'			30	04.5
	iPP			31	17.7
Feb. 26					
BYR	e(P)		21	17	18.1
	e			19	46.5
SPA	e(P)		21	17	40.5
Feb. 26					
BYR	e(P)		21	30	37.1
Feb. 27					
BYR	iP		01	21	32.8
	e			21	51.7
SPA	eP		01	21	04.3
Feb. 27					
BYR	e(P)		01	38	58.3
Feb. 27					
BYR	e(P)		03	08	42.6
	e			09	03.8
Feb. 27					
BYR	eP		03	42	08.5

Date and Station	Phase	(GCT)	h	m	s
Feb. 27					
BYR	e(P)		05	53	42.2
Feb. 27					
BYR	e(P)		06	49	31.2
Feb. 27					
BYR	iP		10	38	59.7
SPA	iP		10	38	50.2
	i			38	58.7
Feb. 27					
BYR	e(P)		11	40	21.6
	i			40	29.4
SPA	iP		11	40	21.3
Feb. 27					
BYR	e(P)		12	08	13.0
	e			08	46.5
SPA	eP		12	08	20.3
Feb. 27					
BYR	eP		14	52	51.2
Feb. 27					
BYR	eP		15	58	20.4
Feb. 27					
BYR	e(P)		17	02	11.9
SPA	e(P)		17	01	03.7
Feb. 27					
BYR	e(P)		23	09	25.9
Feb. 28					
BYR	e(P)		08	41	40.1
Feb. 28					
BYR	e(P)		09	43	21.3
Feb. 28					
BYR	eP		12	32	25.4
Feb. 28					
BYR	eP'		12	52	45.0
	e			52	51.2
	e			53	07.6
Feb. 28					
BYR	e(P)		13	04	16.4
Feb. 28					
BYR	eP		15	21	32.1
Feb. 28					
BYR	e(P)		16	05	57.3
Feb. 28					
BYR	eP		17	03	03.3
Feb. 28					
BYR	eP		17	20	56.9
Feb. 28					
BYR	e(P)		18	07	15.3

Date and Station	Phase	(GCT)	h	m	s
Feb. 28					
BYR	e(P)		18	14	19.9
Feb. 28					
BYR	eP		20	06	21.2
Feb. 28					
BYR	eP		21	13	15.6
Feb. 28					
BYR	iP		21	28	23.4
	ipP			28	56.7
Mar. 1					
BYR	e(P)		01	34	39.4
Mar. 1					
BYR	e(P)		01	40	56.1
Mar. 1					
BYR	iP		03	33	10.1
	e			33	44.9
	epP			34	07.9
Mar. 1					
BYR	e(P)		03	50	11.0
Mar. 1					
BYR	iP		06	51	41.5
Mar. 1					
BYR	e(P)		08	23	11.4
Mar. 1					
BYR	e(P)		13	14	36.0
Mar. 1					
BYR	iP		13	26	33.8
	ePcP			26	48.2
Mar. 1					
BYR	e(P)		14	00	19.0
Mar. 1					
BYR	e(P)		14	18	13.4
	e			18	42.2
Mar. 1					
BYR	eP		14	43	05.0
Mar. 1					
BYR	iP		19	40	31.3
Mar. 1					
BYR	eP		23	30	17.9
Mar. 1					
BYR	eP		23	54	05.6
Mar. 2					
BYR	eP		00	11	36.3
Mar. 2					
BYR	iP		01	00	22.2
Mar. 2					
BYR	iP		01	32	32.1
	e			38	03.3
Mar. 2					
BYR	e(P)		03	54	05.0

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Date and Station	Phase	(GCT)
		h m s
Mar. 2		
BYR	eP	09 31 12.1
Mar. 2		
BYR	eP	13 42 15.0
Mar. 2		
BYR	eP	15 30 42.9
Mar. 2		
BYR	eP	17 51 41.4
Mar. 2		
BYR	eP	19 32 45.6
Mar. 2		
BYR	e(P)	19 38 07.4
Mar. 2		
BYR	iP	20 52 08.4
Mar. 3		
BYR	eP	01 01 11.0
Mar. 3		
BYR	e(P)	02 37 02.2
Mar. 3		
BYR	e(P)	03 23 07.3
Mar. 3		
BYR	eP	03 30 13.3
Mar. 3		
BYR	eP	03 51 24.7
	e	51 50.6
Mar. 3		
BYR	e(P')	05 35 07.7
Mar. 3		
BYR	iP	06 36 11.3
Mar. 3		
BYR	eP	08 26 43.5
Mar. 3		
BYR	e(P)	09 17 39.2
Mar. 3		
BYR	eP	09 58 51.3
Mar. 3		
BYR	eP	12 49 21.6
Mar. 3		
BYR	e(P)	15 50 45.3
Mar. 3		
BYR	e(P)	15 17 40.6
Mar. 3		
BYR	e(P)	15 24 46.7
Mar. 3		
BYR	e(P)	15 37 08.3
Mar. 3		
BYR	eP	20 14 30.4

Date and Station	Phase	(GCT)
		h m s
Mar. 3		
BYR	e(P)	20 24 40.9
	e	24 51.9
Mar. 3		
BYR	eP	20 28 53.9
Mar. 3		
BYR	iP	22 58 40.1
Mar. 4		
BYR	eP	00 03 22.8
Mar. 4		
BYR	eP	01 11 01.6
Mar. 4		
BYR	e(P)	02 00 16.5
Mar. 4		
BYR	e(P)	02 35 23.7
Mar. 4		
BYR	eP	02 37 56.2
Mar. 4		
SPA	eP	20 49 06.1
Mar. 4		
BYR	iP	10 29 59.0
	ipP	30 28.4
SPA	iP	10 30 37.8
Mar. 4		
BYR	eP	11 28 37.8
Mar. 4		
BYR	e(P)	12 06 31.1
Mar. 4		
BYR	e(P)	17 35 04.6
Mar. 4		
BYR	eP	18 50 30.2
Mar. 4		
BYR	iP	20 33 58.3
SPA	eP	20 33 37.3
Mar. 4		
BYR	e(P)	21 22 24.0
Mar. 4		
BYR	eP'	22 45 06.9
Mar. 5		
BYR	iP	01 38 16.1
	iPcP	38 33.4
SPA	iP	01 38 26.1
	iPcP	38 41.1
Mar. 5		
BYR	eP	02 14 51.8
Mar. 5		
BYR	e(P)	06 25 20.4

Date and Station	Phase	(GCT)
		h m s
Mar. 5		
SPA	e(P)	08 57 24.2
	e	57 34.4
Mar. 5		
BYR	eP	10 49 50.0
SPA	iP	10 50 18.9
Mar. 5		
BYR	eP	15 40 02.6
Mar. 5		
BYR	eP	19 55 03.8
SPA	eP	19 54 30.9
Mar. 5		
BYR	eP	21 36 26.4
	ePcP	36 43.2
SPA	iP	21 36 59.8
	i	37 43.4
Mar. 6		
BYR	e(P)	05 44 46.3
SPA	eP	05 45 02.5
Mar. 6		
BYR	e(P)	09 48 55.0
Mar. 7		
SPA	eP	06 51 16.9
	i	51 23.8
Mar. 7		
SPA	eP	09 44 07.4
Mar. 7		
SPA	iP	10 20 56.0
	i	21 55.5
	i	24 19.1
	eS	28 47.1
Mar. 7		
SPA	eP	19 17 10.8
	i	17 43.1
Mar. 7		
SPA	e(P)	19 37 18.3
Mar. 7		
SPA	eP	19 58 58.0
Mar. 7		
SPA	eP	23 24 32.1
Mar. 8		
BYR	eP	02 06 16.1
Mar. 8		
BYR	iP	03 39 47.1
	i	40 27.8
SPA	iP	03 39 38.7
	i	40 10.3
Mar. 8		
BYR	eP	05 38 05.0

Date and Station	Phase	(GCT)
		h m s
SPA	eP	05 38 39.3
	e	38 46.0
Mar. 8		
SPA	e(P)	07 31 06.5
Mar. 8		
SPA	eP	08 14 05.3
Mar. 8		
BYR	eP	08 38 33.6
Mar. 8		
BYR	e(P)	11 37 22.8
Mar. 8		
BYR	e(P)	12 51 42.9
Mar. 8		
SPA	iP	13 01 18.3
Mar. 8		
BYR	eP	15 04 26.4
	e	04 46.4
Mar. 8		
BYR	e(P)	17 05 55.4
SPA	eP	17 07 17.8
Mar. 8		
BYR	e(P)	18 32 38.4
Mar. 8		
BYR	e(P)	19 24 27.5
Mar. 8		
BYR	e(P)	19 58 33.0
SPA	eP	19 58 17.1
Mar. 8		
BYR	eP	21 01 05.3
Mar. 8		
BYR	e(P')	23 20 49.2
Mar. 8		
BYR	e(P)	23 51 03.5
Mar. 9		
BYR	iP	03 03 28.7
Mar. 9		
SPA	eP'	04 17 44.0
Mar. 9		
SPA	eP	10 12 37.0
Mar. 9		
SPA	eP	22 50 55.7
Mar. 10		
BYR	iP	03 07 59.5
	e	11 36.5
SPA	iP	03 08 05.7

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Date and Station	Phase	(GCT)	h	m	s
Mar. 10					
BYR	eP		10	10	45.1
Mar. 10					
BYR	e(P)		14	04	53.4
Mar. 10					
BYR	iP		15	41	40.6
SPA	eP		15	42	18.5
Mar. 10					
BYR	e(P)		20	00	49.2
	e			00	58.4
SPA	eP		20	01	38.0
Mar. 10					
BYR	eP		23	25	30.5
Mar. 10					
SPA	iP		23	48	06.5
Mar. 11					
BYR	eP		01	13	27.0
SPA	eP		01	14	04.1
Mar. 11					
BYR	e(P')		01	46	13.8
Mar. 11					
BYR	eP'		01	50	47.9
	e			50	55.8
	i			51	11.5
	iSKP			54	24.9
SPA	e(P')		01	50	48.5
	e			51	02.7
Mar. 11					
BYR	e(P')		07	38	08.6
Mar. 11					
BYR	eP		08	31	27.3
Mar. 11					
BYR	eP		08	53	39.3
Mar. 11					
BYR	e(P)		09	07	14.3
Mar. 11					
BYR	e(P)		13	12	43.5
Mar. 11					
BYR	e(P)		15	09	43.5
Mar. 11					
BYR	eP		15	54	07.4
Mar. 11					
BYR	eP		17	06	34.9
SPA	eP		17	06	38.9
Mar. 11					
BYR	eP		21	17	56.2

Date and Station	Phase	(GCT)	h	m	s
Mar. 12					
BYR	iP		01	33	38.8
SPA	eP		01	34	22.7
Mar. 12					
BYR	e(P)		02	15	58.7
Mar. 12					
BYR	eP		03	03	25.5
Mar. 12					
BYR	e(P)		03	22	31.8
Mar. 12					
BYR	iP		04	15	23.8
Mar. 12					
BYR	e(P)		05	41	41.5
Mar. 12					
BYR	eP		06	13	02.6
Mar. 12					
BYR	eP		06	56	37.8
Mar. 12					
BYR	eP		07	35	19.9
Mar. 12					
SPA	eP		08	48	22.9
Mar. 12					
BYR	eP		14	18	15.8
Mar. 12					
BYR	iP		15	51	53.8
SPA	eP		15	52	38.4
Mar. 12					
BYR	e(P)		16	06	35.2
Mar. 12					
BYR	eP		19	05	29.4
Mar. 12					
BYR	eP		22	59	48.5
Mar. 12					
BYR	iP		23	31	14.8
SPA	iP		23	31	52.0
Mar. 12					
BYR	eP		23	45	45.5
SPA	e(P)		23	45	14.3
Mar. 13					
BYR	eP		04	49	48.1
Mar. 13					
BYR	e(P)		05	03	44.9
Mar. 13					
BYR	e(P)		06	04	51.2
Mar. 13					
BYR	eP		07	31	15.0

Date and Station	Phase	(GCT)	h	m	s
Mar. 13					
BYR	e(P)		07	52	51.0
SPA	eP		07	53	22.5
Mar. 13					
BYR	eP		08	17	18.5
Mar. 13					
BYR	eP		09	18	01.6
	e			18	31.7
Mar. 13					
BYR	e(P)		09	25	58.4
SPA	eP		09	26	32.7
Mar. 13					
BYR	e(P)		10	19	26.7
SPA	eP		10	19	23.5
Mar. 13					
BYR	eP		13	06	37.4
Mar. 13					
BYR	eP		15	13	11.8
Mar. 13					
BYR	e(P)		16	32	45.2
Mar. 13					
BYR	e(P)		17	57	24.7
Mar. 13					
BYR	eP'		19	36	31.0
SPA	eP'		19	36	14.8
Mar. 13					
BYR	e(P)		20	42	08.3
	i			42	14.0
	i			42	33.3
	eScP			48	15.3
SPA	iP		20	41	59.0
	e			42	08.4
	iPP			42	58.6
	ePcP			44	32.7
	eScP			48	10.0
Mar. 13					
BYR	e(P)		21	14	05.6
Mar. 13					
BYR	eP		21	26	19.3
Mar. 14					
BYR	eP		01	22	51.8
SPA	eP		01	22	44.7
Mar. 14					
BYR	eP'		01	24	02.6
	eSKP			27	47.1
SPA	eP'		01	23	36.7
Mar. 14					
BYR	eP		04	28	49.8

Date and Station	Phase	(GCT)	h	m	s
Mar. 14					
BYR	iP		07	26	09.0
SPA	eP		07	25	53.6
Mar. 14					
BYR	e(P)		10	35	22.5
Mar. 14					
BYR	eP		11	49	34.7
Mar. 14					
BYR	e(P')		12	18	27.5
	e			18	35.5
Mar. 14					
BYR	eP		13	56	40.8
SPA	eP		13	56	25.1
Mar. 14					
BYR	eP		14	00	11.3
SPA	eP		14	00	33.2
Mar. 14					
BYR	eP		15	37	04.8
Mar. 15					
BYR	iP		00	52	03.9
SPA	iP		00	52	58.4
Mar. 15					
BYR	eP		01	10	29.7
SPA	eP		01	10	31.1
Mar. 15					
BYR	eP		01	36	17.7
Mar. 15					
BYR	e(P)		02	28	47.4
SPA	eP		02	30	52.1
	e			31	31.0
Mar. 15					
BYR	iP		10	27	38.2
	e(S)			37	48.7
SPA	iP		10	27	39.5
	i			28	08.2
Mar. 15					
SPA	e(P)		11	43	04.7
Mar. 15					
BYR	iP		13	13	31.1
	e			18	42.6
SPA	iP		13	13	33.0
Mar. 15					
BYR	eP		16	24	34.1
Mar. 15					
BYR	eP'		16	35	57.8

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Date and Station	Phase	(GCT)
Mar. 15		h m s
BYR	eP	18 40 00.8
Mar. 15		
BYR	e(P)	23 21 08.1
Mar. 16		
BYR	e(P)	04 09 34.9
Mar. 16		
BYR	iP	04 40 02.2
	epP	41 43.6
SPA	iP	04 40 32.4
Mar. 16		
BYR	e(P')	05 17 16.1
	eSKP	20 50.9
SPA	e(P')	05 17 32.1
Mar. 16		
BYR	eP	07 28 35.1
Mar. 16		
BYR	eP	08 03 23.2
SPA	e(P)	08 03 59.6
Mar. 16		
BYR	e(P)	09 40 20.9
Mar. 16		
BYR	eP	09 52 54.9
Mar. 16		
BYR	iP	11 32 25.9
SPA	eP	11 32 07.5
	epP	32 28.8
Mar. 16		
SPA	eP'	11 42 19.5
Mar. 16		
BYR	iP	13 58 15.5
	ePP	14 01 38.6
	eS	08 43.0
	ePKKP	16 14.5
SPA	iP	13 57 50.8
	i	58 07.4
	i	59 10.9
	i(S)	14 08 03.4
Mar. 16		
BYR	e(P)	14 54 02.5
Mar. 16		
BYR	e(P')	15 46 14.3
	e	46 24.9
	eSKP	49 45.6
Mar. 16		
BYR	e(P')	17 17 18.0
Mar. 16		
BYR	eP	18 31 55.9

Date and Station	Phase	(GCT)
Mar. 15		h m s
BYR	iP	18 33 55.2
	ePP	37 27.0
SPA	iP	18 33 30.8
Mar. 16		
BYR	e(P)	18 54 24.2
Mar. 16		
BYR	eP	19 25 37.4
Mar. 16		
BYR	e(P)	20 15 32.1
SPA	eP	20 16 00.6
Mar. 16		
BYR	eP	20 26 45.7
Mar. 16		
BYR	e(P)	22 27 59.1
SPA	e(P)	22 26 58.8
Mar. 16		
BYR	eP	22 43 30.1
SPA	eP	22 44 05.8
Mar. 16		
BYR	e(P)	22 59 27.3
Mar. 16		
BYR	eP	23 04 59.9
Mar. 16		
BYR	eP	23 22 58.1
SPA	eP	23 23 34.9
Mar. 16		
BYR	eP	23 29 51.3
SPA	e(P)	23 31 14.1
Mar. 16		
BYR	eP	23 42 38.1
Mar. 17		
BYR	eP	02 03 30.4
Mar. 17		
BYR	eP	03 49 21.7
	ePcP	49 49.8
Mar. 17		
BYR	iP	05 03 46.2
SPA	eP	05 03 21.0
Mar. 17		
BYR	e(P)	05 16 18.2
Mar. 17		
BYR	e(P)	06 08 55.5
Mar. 17		
BYR	iP	06 22 26.0

Date and Station	Phase	(GCT)
		h m s
SPA	eP	06 22 01.1
Mar. 17		
BYR	eP	06 44 05.4
Mar. 17		
BYR	e(P)	10 17 40.6
	e	17 46.3
Mar. 17		
BYR	eP	10 25 58.0
SPA	eP	10 26 49.0
Mar. 17		
BYR	e(P)	11 05 24.2
Mar. 17		
BYR	e(P)	11 30 11.8
Mar. 17		
BYR	eP	12 34 02.4
Mar. 17		
BYR	e(P)	14 07 43.9
Mar. 17		
BYR	eP	14 16 55.9
SPA	eP	14 17 32.0
	i	17 47.0
Mar. 17		
BYR	e(P)	14 46 20.7
Mar. 17		
BYR	e(P)	16 05 13.0
Mar. 17		
BYR	e(P)	16 27 08.9
SPA	eP	16 27 47.2
Mar. 17		
BYR	eP	17 29 06.0
	e	29 32.0
Mar. 17		
BYR	eP	20 20 48.1
SPA	iP	20 21 23.2
Mar. 17		
BYR	eP	20 50 00.3
Mar. 17		
BYR	eP	22 31 05.9
SPA	e(P)	22 31 41.4
Mar. 17		
BYR	eP	22 43 08.9
Mar. 17		
BYR	eP	22 59 14.1
Mar. 17		
BYR	eP	23 50 30.4

Date and Station	Phase	(GCT)
Mar. 18		h m s
BYR	e(P)	00 44 14.4
Mar. 18		
BYR	e(P)	02 01 51.6
SPA	e(P)	02 02 27.5
Mar. 18		
BYR	iP	02 21 22.1
SPA	iP	02 20 58.1
Mar. 18		
BYR	eP	04 29 02.2
Mar. 18		
BYR	eP	04 45 35.6
Mar. 18		
SPA	e(P)	05 15 18.3
	e	15 58.3
Mar. 18		
BYR	e(P)	06 26 24.2
Mar. 18		
BYR	e(P)	08 00 13.5
SPA	eP	08 00 39.6
Mar. 18		
BYR	eP	08 11 11.6
Mar. 18		
BYR	eP	08 36 57.9
SPA	eP	08 37 39.2
	i	37 46.6
Mar. 18		
BYR	e(P)	09 06 21.1
Mar. 18		
BYR	iP	09 49 47.6
	e(S)	56 51.3
SPA	iP	09 50 36.4
	epP	51 56.9
Mar. 18		
BYR	eP	10 34 48.6
Mar. 18		
SPA	eP	11 49 18.9
Mar. 18		
BYR	eP	13 27 09.2
Mar. 18		
SPA	e(P)	13 29 28.9
Mar. 18		
BYR	eP	14 04 49.3
SPA	eP	14 05 35.1

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Date and Station	Phase	h	m	s
Mar. 18				
BYR	iP	15	02	26.2
	i		02	27.9
	iS		08	33.3
SPA	iP	15	02	37.1
	i		03	05.7
	i		03	29.4
	ipP		04	10.4
Mar. 18				
BYR	eP	18	28	52.2
SPA	eP	18	27	08.9
Mar. 18				
BYR	iP	18	38	49.6
SPA	iP	18	39	15.6
	i		39	34.6
Mar. 18				
BYR	e(P)	18	44	12.1
Mar. 18				
BYR	eP	19	18	34.0
SPA	e(P)	19	19	17.4
Mar. 18				
BYR	eP	22	12	15.2
Mar. 18				
BYR	e(P)	23	23	39.7
SPA	eP	23	24	20.4
Mar. 18				
BYR	eP	23	35	12.4
Mar. 18				
BYR	e(P)	23	54	54.2
Mar. 19				
BYR	e(P)	00	01	12.5
SPA	e(P)	00	00	51.2
Mar. 19				
SPA	eP	00	29	13.5
Mar. 19				
BYR	iP	01	16	14.0
Mar. 19				
BYR	e(P)	02	32	43.3
	e		33	21.5
Mar. 19				
BYR	iP	05	12	14.7
SPA	iP	05	11	39.1
	ipP		12	06.5
Mar. 19				
BYR	e(P)	05	29	38.3
Mar. 19				
BYR	eP	05	44	35.6

Date and Station	Phase	h	m	s
Mar. 19				
BYR	eP	07	24	40.5
	i		26	16.4
SPA	eP	07	25	16.6
	i		26	32.9
Mar. 19				
SPA	eP	07	33	32.1
Mar. 19				
BYR	eP	07	54	09.6
Mar. 19				
BYR	eP	08	04	57.3
SPA	eP	08	04	38.1
Mar. 19				
BYR	e(P)	08	21	44.0
Mar. 19				
BYR	eP'	09	37	48.0
Mar. 19				
BYR	e(P)	10	01	21.7
Mar. 19				
BYR	eP	10	21	38.2
SPA	eP	10	22	29.3
Mar. 19				
SPA	iP	12	17	24.6
	i		17	32.6
Mar. 19				
BYR	iP	12	32	08.1
Mar. 19				
BYR	eP	13	00	03.0
SPA	iP	12	59	38.4
Mar. 19				
BYR	eP	13	36	51.0
SPA	iP	13	37	19.6
Mar. 19				
BYR	e(P)	17	17	07.3
Mar. 19				
SPA	eP	17	36	57.7
Mar. 19				
BYR	e(P)	17	41	29.8
Mar. 19				
BYR	eP	18	11	21.4
Mar. 19				
BYR	e(P)	19	24	53.8
Mar. 19				
BYR	eP	20	09	33.2
Mar. 19				
BYR	eP	20	44	07.6

Date and Station	Phase	h	m	s
SPA	eP	20	44	43.7
	e		49	43.0
Mar. 19				
BYR	eP	21	29	35.8
Mar. 19				
BYR	eP	23	21	07.8
Mar. 20				
BYR	iP	00	38	38.8
Mar. 20				
BYR	e(P)	03	22	27.1
Mar. 20				
BYR	e(P')	03	49	28.4
	e		49	37.8
SPA	eP'	03	49	21.9
Mar. 20				
BYR	e(P)	04	07	59.9
	e		08	06.3
Mar. 20				
BYR	eP	04	33	33.8
Mar. 20				
BYR	e(P)	06	16	09.3
SPA	eP	06	16	35.7
Mar. 20				
BYR	eP	06	29	28.1
SPA	eP	06	30	08.6
Mar. 20				
BYR	e(P)	07	42	34.2
SPA	e(P)	07	42	30.4
Mar. 20				
BYR	eP	09	07	32.7
SPA	eP	09	07	15.7
Mar. 20				
BYR	e(P)	11	07	43.3
Mar. 20				
BYR	iP	11	19	11.6
SPA	eP	11	19	41.5
Mar. 20				
BYR	eP'	11	57	10.2
	eSKP	12	00	11.4
SPA	eP'	11	57	22.6
Mar. 20				
BYR	e(P)	12	09	36.5
Mar. 20				
BYR	iP	12	24	15.7

Date and Station	Phase	h	m	s
Mar. 20				
BYR	e(P')	14	19	44.7
	ESKP		23	06.0
SPA	eP'	14	19	26.1
Mar. 20				
BYR	iP	16	03	46.4
	i		03	47.6
	ipP		04	34.7
	eScS		12	23.0
SPA	iP	16	04	19.4
	iPcP		04	31.2
	ipP		05	10.9
	iScS		13	21.4
Mar. 20				
BYR	eP	16	32	06.1
	i		32	22.9
SPA	e(P)	16	31	36.7
Mar. 20				
BYR	eP	23	52	48.7
SPA	eP	23	53	23.0
	i		53	26.3
Mar. 21				
SPA	eP	04	00	29.5
Mar. 21				
BYR	eP	04	44	13.3
	e		44	40.8
	e(PcP)		44	55.7
Mar. 21				
SPA	eP	05	42	55.2
Mar. 21				
SPA	eP	05	55	49.5
Mar. 21				
BYR	eP	06	02	21.7
Mar. 21				
SPA	eP	06	15	39.8
Mar. 21				
BYR	e(P)	06	33	21.5
	e		35	03.7
Mar. 21				
BYR	e(P)	07	35	07.3
Mar. 21				
BYR	e(P)	07	48	34.9
Mar. 21				
BYR	e(P)	08	59	04.5
Mar. 21				
SPA	iP	09	12	39.6
	e		14	40.8
Mar. 21				
BYR	eP	09	32	09.0

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Date and Station	Phase	(GCT)
Mar. 21		h m s
SPA	eP	09 36 40.8
Mar. 21		
BYR	eP	09 56 06.0
Mar. 21		
SPA	iP	10 43 20.3
Mar. 21		
SPA	eP	10 50 47.8
Mar. 21		
BYR	e(P)	11 04 30.7
Mar. 21		
BYR	eP	11 11 55.3
Mar. 21		
BYR	eP	14 36 22.1
SPA	e(P)	14 38 32.4
Mar. 21		
SPA	eP	16 02 17.8
Mar. 21		
BYR	eP	16 23 18.8
Mar. 21		
BYR	eP	19 25 11.2
Mar. 21		
SPA	iP	19 45 43.4
Mar. 21		
BYR	eP	20 05 20.9
Mar. 21		
BYR	eP	22 52 12.1
Mar. 22		
BYR	eP	04 26 09.3
SPA	eP	04 26 18.5
Mar. 22		
BYR	eP	04 35 03.2
Mar. 22		
BYR	eP	04 46 40.3
Mar. 22		
BYR	eP	06 44 22.7
SPA	e(P)	06 44 46.4
Mar. 22		
BYR	eP	13 26 41.7
Mar. 22		
BYR	eP	14 04 56.8
Mar. 22		
SPA	eP	14 22 28.9
Mar. 22		
BYR	eP	14 32 46.2

Date and Station	Phase	(GCT)
Mar. 22		h m s
BYR	eP	17 53 35.7
SPA	eP	17 53 34.9
Mar. 22		
BYR	eP	18 09 57.0
Mar. 22		
BYR	eP	19 54 55.2
	e	55 02.6
Mar. 22		
BYR	e(P)	21 22 52.4
Mar. 22		
BYR	iP	21 29 51.7
SPA	iP	21 30 45.5
Mar. 22		
BYR	eP	21 38 08.1
	epP	39 55.7
SPA	iP	21 38 37.5
	epP	40 27.6
Mar. 22		
BYR	eP	22 15 23.2
Mar. 22		
BYR	eP	23 02 54.6
Mar. 23		
BYR	iP	02 00 51.3
SPA	iP	02 00 27.3
Mar. 23		
BYR	eP	04 46 22.3
SPA	eP	04 45 47.4
Mar. 23		
SPA	eP	05 49 04.0
Mar. 23		
BYR	eP	06 30 44.7
SPA	eP	06 31 07.4
Mar. 23		
BYR	eP	13 05 43.8
SPA	eP	13 05 48.0
Mar. 23		
BYR	iP	21 08 47.3
SPA	iP	21 08 51.1
Mar. 23		
BYR	eP	21 54 13.0
SPA	e(P)	21 53 52.6
Mar. 23		
BYR	eP	23 34 52.1
	e	36 24.9

Date and Station	Phase	(GCT)
Mar. 24		h m s
BYR	eP	00 10 22.9
Mar. 24		
BYR	eP	00 19 44.8
Mar. 24		
BYR	iP	02 24 38.1
SPA	eP	02 25 16.5
Mar. 24		
BYR	eP	05 29 57.9
SPA	eP	05 30 15.0
Mar. 24		
SPA	eP	08 12 22.6
Mar. 24		
BYR	e(P)	10 39 51.1
Mar. 24		
BYR	eP	11 49 57.5
Mar. 24		
BYR	eP	14 52 15.5
Mar. 24		
BYR	e(P)	22 31 20.5
Mar. 24		
BYR	iP'	23 16 11.0
SPA	iP'	23 16 09.1
	i	16 17.3
	ePP	18 04.3
Mar. 24		
SPA	e(P)	23 29 10.2
Mar. 24		
BYR	iP	23 50 03.5
SPA	iP	23 49 57.5
	i	50 05.2
Mar. 25		
BYR	e(P)	00 15 18.0
Mar. 25		
BYR	iP	02 22 11.2
	epP	22 40.3
	esP	22 51.6
SPA	iP	02 22 49.8
	epP	23 17.3
	esP	23 31.4
Mar. 25		
BYR	eP	06 43 18.1
Mar. 25		
BYR	eP	08 15 51.7
Mar. 25		
SPA	eP	08 59 00.3

Date and Station	Phase	(GCT)
Mar. 25		h m s
BYR	e(P)	11 53 26.0
Mar. 25		
SPA	e(P)	12 05 25.3
Mar. 25		
BYR	e(P)	13 26 08.6
Mar. 25		
BYR	eP	14 25 34.1
Mar. 25		
BYR	e(P)	17 16 41.0
Mar. 25		
BYR	eP	19 41 46.0
Mar. 25		
BYR	eP	21 08 57.8
SPA	iP	21 07 47.5
Mar. 25		
BYR	e(P)	21 37 02.5
Mar. 25		
BYR	e(P)	23 14 48.5
Mar. 25		
BYR	e(P)	23 30 42.5
Mar. 26		
SPA	e(P)	01 59 47.7
	e	59 59.6
Mar. 26		
SPA	eP	14 42 41.1
	eSKS	53 11.9
Mar. 26		
SPA	iP	20 30 01.0
Mar. 26		
SPA	eP	20 41 50.4
Mar. 26		
SPA	eP	22 18 48.1
Mar. 27		
SPA	eP	02 32 59.6
Mar. 27		
BYR	eP	04 35 40.8
SPA	eP	04 35 26.4
Mar. 27		
BYR	eP	06 17 31.9
SPA	eP	06 17 47.8
Mar. 27		
BYR	eP	06 51 30.3
SPA	eP	06 51 35.5
Mar. 27		
BYR	eP	07 38 36.2

International Seismological Centre

Date and Station	Phase (GCT)	h	m	s
SPA	eP	07	37	25.1
Mar. 27				
BYR	eP	13	15	13.1
SPA	eP	13	16	06.2
Mar. 27				
BYR	e(P)	15	22	06.3
Mar. 27				
SPA	e(P)	15	55	35.9
	e		55	41.2
Mar. 27				
BYR	eP	16	38	38.5
	e		41	18.2
Mar. 27				
BYR	eP	18	10	10.0
Mar. 27				
BYR	eP	21	10	36.1
Mar. 28				
BYR	eP	04	45	59.5
Mar. 28				
BYR	eP	06	32	22.5
	e		32	51.5
Mar. 28				
BYR	iP	09	49	12.4
	i		49	22.6
	i		49	47.4
	iSKS		59	31.5
SPA	iP	09	48	51.0
	i		49	22.3
	i		49	41.1
	i		52	43.1
	iSKS		59	07.1
	iP'P'	10	14	27.3
Mar. 28				
BYR	eP	10	42	59.2
Mar. 28				
BYR	eP	11	38	49.2
Mar. 28				
BYR	eP'	12	48	18.1
	i		48	28.2
	iSKP		51	54.3
SPA	iP'	12	48	34.6
	iSKP		52	12.0
Mar. 28				
SPA	eP	13	00	35.0
Mar. 28				
BYR	eP	13	26	15.5
Mar. 28				
SPA	eP	13	55	23.7
Mar. 28				
BYR	e(P')	14	18	04.3
	eSKP		21	43.3

Date and Station	Phase (GCT)	h	m	s
SPA	e(P')	14	18	23.3
	e		18	31.3
Mar. 28				
BYR	e(P)	14	42	14.7
Mar. 28				
BYR	eP	15	36	51.3
Mar. 28				
BYR	eP	16	30	08.5
Mar. 28				
BYR	eP	19	58	25.7
Mar. 28				
BYR	eP	20	30	58.2
Mar. 28				
BYR	eP	20	38	49.8
Mar. 28				
BYR	iP	21	07	16.6
SPA	iP	21	06	53.0
Mar. 28				
BYR	iP	21	12	07.9
	ipP		12	36.6
SPA	iP	21	12	48.3
	ipP		13	17.0
	isP		13	32.8
	eS		21	28.3
Mar. 28				
BYR	e(P)	21	40	34.6
	e		41	02.4
SPA	eP	21	41	07.3
Mar. 28				
BYR	eP	22	00	57.1
Mar. 29				
BYR	eP	00	33	53.4
Mar. 29				
BYR	eP	03	39	54.0
Mar. 29				
BYR	eP'	07	02	33.4
SPA	eP'	07	02	31.0
	eSKS		09	31.7
Mar. 29				
BYR	iP	09	48	17.3
	e		48	43.9
Mar. 29				
BYR	eP	12	34	55.8
Mar. 29				
BYR	e(P')	18	29	13.6
Mar. 29				
BYR	eP	20	18	11.8

Date and Station	Phase (GCT)	h	m	s
Mar. 29				
SPA	eP	22	39	17.6
Mar. 30				
BYR	iP	01	35	27.3
SPA	iP	01	35	06.3
Mar. 30				
BYR	eP	02	15	34.0
Mar. 30				
SPA	e(P)	05	01	38.8
Mar. 30				
BYR	eP	07	05	48.0
Mar. 30				
BYR	eP	07	33	27.1
SPA	eP	07	32	15.0
Mar. 30				
BYR	e(P)	08	10	26.5
Mar. 30				
SPA	iP	09	01	28.5
Mar. 30				
BYR	e(P)	14	13	33.5
Mar. 30				
BYR	e(P)	15	31	09.7
	e		35	27.2
SPA	eP	15	30	09.5
Mar. 30				
BYR	eP	15	41	42.0
	e		45	09.0
SPA	eP	15	42	07.0
Mar. 31				
BYR	eP	04	26	58.4
Mar. 31				
BYR	eP'	05	39	05.6
Mar. 31				
SPA	eP	09	20	46.4
Mar. 31				
BYR	eP	09	44	34.7
SPA	eP	09	44	19.3
Mar. 31				
BYR	e(P)	10	48	06.5
Mar. 31				
BYR	eP'	11	21	50.8
Mar. 31				
BYR	eP	12	20	12.9
	e		20	54.0
Mar. 31				
BYR	eP	13	44	37.0

Date and Station	Phase (GCT)	h	m	s
SPA	e(P)	13	45	42.8
Mar. 31				
BYR	e(P)	14	05	58.1
Mar. 31				
BYR	e(P)	14	57	24.1
Mar. 31				
BYR	e(P)	15	26	30.1
Mar. 31				
BYR	eP	17	49	23.1
Mar. 31				
BYR	e(P)	19	04	57.2
BYR	eP	21	07	10.0
SPA	eP	21	07	46.1
Mar. 31				
BYR	eP	22	17	44.4
SPA	e(P)	22	17	54.6
Mar. 31				
BYR	eP	23	28	29.4
SPA	eP	23	29	04.9

SEISMOLOGICAL BULLETIN

International Seismological Centre

SOUTH POLE – BYRD SUPPLEMENT

APRIL - JUNE, 1961

MSI – 241A

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Robert M. White, Administrator

COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Director

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International Seismological Centre

SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

April-June, 1961

The instrumental results tabulated in this supplement are from the following seismographic stations.

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Com-ponents	To (Sec.)	Tg (Sec.)	Time Scale
South Pole (SPA)	90°S.	0°	1995 meters of ice	2800 meters	Benioff Paper	Z	1.6	0.5	60mm/min.
In Charge:					Wilson-Lamison (120°E. 60°W.)				
Terry Hardiman					Horizontal Film.		5.6	0.48	15mm/min.
Byrd (BYR)	80°01'S.	119°31'W.	2570 meters of ice	1515 meters	Benioff	Z	1.2	0.5	60mm/min.
In Charge:					Wilson-Lamison with G. E. Galvo	N	6.2	3.5	30mm/min.
Leroy Pankratz					Wilson-Lamison with G. E. Galvo.	E	7.2	3.5	30mm/min.

These stations were first established by the Coast and Geodetic Survey for the IGY to provide additional control for locating teleseismic epicenters in regions inadequately covered by previously existing stations and to provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

International Seismological Centre

Date and Station	Phase	(GCT) h m s
Apr. 1		
SPA	eP	02 35 28
Apr. 1		
BYR	iP'	02 59 28
SPA	e(P)	02 56 47
	eP'	59 25
Apr. 1		
BYR	eP	06 40 48
	e	41 01
Apr. 1		
BYR	eP'	08 27 42
Apr. 1		
BYR	eP	09 41 37
Apr. 1		
BYR	eP	14 32 24
Apr. 1		
BYR	eP'	15 37 45
	e	37 54
SPA	iP'	15 37 36
Apr. 1		
BYR	eP	19 11 59
Apr. 1		
BYR	eP	22 12 01
Apr. 2		
SPA	eP	02 53 06
Apr. 2		
BYR	e(P')	03 03 32
Apr. 1		
BYR	eP	06 19 15
Apr. 2		
BYR	e(P)	07 46 38
Apr. 2		
BYR	e(P)	09 52 21
Apr. 2		
SPA	e(P)	10 26 35
Apr. 2		
BYR	iP	11 25 55
	ePcP	26 21
Apr. 2		
BYR	e(P)	12 37 07
Apr. 2		
BYR	eP	14 55 43
SPA	e(P)	14 57 06
Apr. 2		
BYR	iP	17 32 00
SPA	eP	17 31 40

Date and Station	Phase	(GCT) h m s
Apr. 2		
BYR	e(P)	18 54 41
Apr. 2		
SPA	iP	19 00 14
Apr. 2		
BYR	eP	19 27 51
Apr. 2		
SPA	eP	20 04 47
Apr. 2		
BYR	eP	21 03 57
Apr. 2		
BYR	eP	22 25 26
SPA	eP	22 25 13
Apr. 3		
BYR	eP	01 23 10
Apr. 3		
BYR	eP'	16 51 18
SPA	iP'	16 51 30
Apr. 3		
BYR	eP	21 03 57
Apr. 4		
BYR	eP'	01 36 34
Apr. 4		
BYR	iP	05 12 17
Apr. 4		
BYR	eP	05 58 26
Apr. 4		
BYR	eP	07 58 08
	epP	59 15
Apr. 4		
BYR	eP'	10 05 59
Apr. 4		
BYR	iP	10 47 35
	ePcP	47 43
	e	52 45
Apr. 4		
BYR	e(P)	13 16 42
Apr. 5		
SPA	iP	01 00 51
Apr. 5		
BYR	eP	06 13 40
	e	13 57
SPA	e(P)	06 14 51
Apr. 5		
BYR	eP	06 24 24
SPA	eP	06 24 33

Date and Station	Phase	(GCT) h m s
Apr. 5		
BYR	eP	08 45 05
SPA	eP	08 46 35
Apr. 5		
BYR	eP	12 46 30
Apr. 5		
BYR	eP	15 48 07
Apr. 5		
BYR	iP	21 37 10
SPA	iP	21 37 17
Apr. 6		
BYR	eP'	01 53 06
SPA	eP'	01 52 57
Apr. 6		
BYR	eP'	03 37 45
Apr. 6		
SPA	eP'	04 23 59
Apr. 6		
SPA	eP	07 05 40
Apr. 6		
BYR	iP	07 20 39
SPA	eP	07 21 02
Apr. 6		
BYR	eP	14 18 48
SPA	iP	14 18 19
Apr. 6		
BYR	eP	14 34 53
Apr. 6		
BYR	iP	15 44 19
SPA	iP	15 44 43
Apr. 6		
BYR	eP'	18 31 39
SPA	eP'	18 31 19
Apr. 6		
BYR	eP	19 44 11
SPA	e(P)	19 44 26
Apr. 6		
BYR	eP'	21 42 27
Apr. 6		
BYR	eP	22 16 04
Apr. 6		
BYR	eP	22 40 15
SPA	eP	22 39 38

Date and Station	Phase	(GCT) h m s
Apr. 7		
BYR	eP	02 10 44
Apr. 7		
BYR	e(P)	04 31 02
Apr. 7		
BYR	e(P')	04 59 51
SPA	e(P')	04 59 38
Apr. 7		
BYR	eP	05 04 12
Apr. 7		
BYR	eP	06 59 02
SPA	iP	06 58 18
Apr. 7		
BYR	e(P)	08 49 08
	eP'	55 09
SPA	e(P')	08 55 18
Apr. 7		
BYR	eP	10 20 25
SPA	eP	10 19 48
Apr. 7		
BYR	eP	12 52 44
Apr. 7		
BYR	eP	14 12 41
Apr. 7		
BYR	eP	16 04 12
Apr. 7		
BYR	i(P)	17 47 18
SPA	iP	17 47 52
Apr. 7		
BYR	e(P')	20 14 17
	e	14 25
SPA	iP'	20 14 36
	e	14 48
Apr. 7		
BYR	eP'	21 36 56
SPA	eP'	21 36 52
Apr. 8		
BYR	eP	03 18 56
SPA	eP	03 19 36
Apr. 8		
BYR	eP	04 34 21
SPA	iP	04 35 01
Apr. 8		
BYR	iP	04 59 15
SPA	iP	04 59.54.

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Date and Station	Phase	(GCT) h m s
Apr. 8		
BYR	e(P)	08 17 54
Apr. 8		
BYR	iP	09 16 02
SPA	iP	09 16 41
Apr. 8		
BYR	iP	09 42 12
Apr. 8		
BYR	eP	11 44 24
Apr. 8		
BYR	eP	13 37 08
Apr. 8		
BYR	e(P)	15 43 03
SPA	e(P)	15 43 34
Apr. 8		
SPA	iP	16 11 05
Apr. 8		
BYR	iP	18 08 04
SPA	iP	18 08 54
	iS	16 26
Apr. 8		
BYR	e(P)	19 06 05
Apr. 8		
BYR	eP'	19 36 45
	e	38 19
	ePP	38 42
Apr. 8		
BYR	eP	21 50 41
	ePP	54 55
	epPPP	57 49
SPA	e(PP)	21 54 54
Apr. 8		
BYR	eP	23 35 29
SPA	eP	23 36 19
Apr. 9		
BYR	e(P)	01 13 23
Apr. 9		
SPA	e(P)	01 32 36
Apr. 9		
BYR	e(P)	04 13 36
	e	14 32
	e	15 57
Apr. 9		
SPA	e(P')	07 42 25
Apr. 9		
BYR	eP	08 57 25
SPA	eP	08 57 57

Date and Station	Phase	(GCT) h m s
Apr. 9		
BYR	eP	09 16 58
Apr. 9		
BYR	eP	09 30 38
SPA	iP	09 31 06
	e	31 11
Apr. 9		
BYR	e(P)	09 59 25
Apr. 9		
BYR	eP	13 30 01
Apr. 9		
SPA	eP'	15 53 49
Apr. 9		
BYR	e(P)	17 01 53
Apr. 9		
SPA	iP	17 25 43
Apr. 9		
BYR	iP	17 28 33
Apr. 9		
SPA	eP	20 42 31
Apr. 10		
BYR	e(P)	00 39 20
SPA	e(P)	00 39 58
Apr. 10		
BYR	e(P)	01 20 15
	e	25 15
SPA	e(P)	01 20 35
Apr. 10		
BYR	eP	05 41 57
SPA	eP	05 42 15
Apr. 10		
BYR	e(P')	07 16 02
Apr. 10		
BYR	eP	07 43 30
SPA	iP	07 44 26
Apr. 10		
BYR	e(P)	08 15 23
SPA	eP	08 15 59
Apr. 10		
BYR	e(P)	10 34 46
Apr. 10		
SPA	iP	10 52 28
Apr. 10		
BYR	eP	11 44 46
Apr. 10		
BYR	e(P)	14 26 16

Date and Station	Phase	(GCT) h m s
SPA	e(P)	14 26 31
Apr. 10		
BYR	e(P)	15 47 25
Apr. 10		
BYR	eP	17 01 22
Apr. 10		
BYR	e(P')	17 34 49
	e	35 03
Apr. 10		
BYR	eP	17 50 26
Apr. 10		
BYR	e(P)	19 31 38
Apr. 10		
BYR	eP	19 53 29
SPA	iP	19 53 17
Apr. 10		
BYR	iP	20 48 30
SPA	iP	20 47 14
Apr. 11		
BYR	e(P)	00 03 07
Apr. 11		
BYR	e(P')	00 47 06
	e	48 44
Apr. 11		
BYR	iP	07 07 23
Apr. 11		
BYR	e(P)	08 45 28
Apr. 11		
BYR	eP	10 42 43
Apr. 11		
BYR	e(P)	11 18 45
Apr. 11		
SPA	eP	14 49 42
Apr. 11		
BYR	iP	16 22 08
SPA	iP	16 22 22
Apr. 11		
BYR	e(P)	18 36 03
	eScS	45 15
SPA	eP	18 37 20
	e	44 48
Apr. 12		
BYR	eP	00 39 20
Apr. 12		
BYR	eP	01 22 15
	i	25 13

Date and Station	Phase	(GCT) h m s
Apr. 12		
SPA	eP	02 06 45
Apr. 12		
BYR	iP	03 16 04
SPA	iP	03 16 40
Apr. 12		
BYR	e(P)	03 49 36
Apr. 12		
BYR	eP	05 41 57
Apr. 12		
BYR	e(P)	07 16 01
Apr. 12		
BYR	iP	08 00 26
SPA	iP	08 00 06
Apr. 12		
BYR	iP	09 06 14
SPA	eP	09 06 34
Apr. 12		
BYR	eP	09 37 47
Apr. 12		
BYR	iP	10 06 54
	i	19 43
SPA	iP	10 07 32
Apr. 12		
BYR	iP	11 44 36
Apr. 12		
BYR	iP	12 48 32
Apr. 12		
BYR	eP	14 26 16
Apr. 12		
BYR	iP'	15 21 13
Apr. 12		
BYR	e(P)	15 47 25
Apr. 12		
BYR	iP	17 01 17
Apr. 12		
BYR	eP	17 31 08
	esP	31 46
SPA	iP	17 30 47
	iS	41 09
Apr. 12		
BYR	e(P')	17 46 55
	i	47 01
	e	47 19
	eSKP	50 33

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Date and Station	Phase	h	m	s
SPA	e(P')	17	46	59
	e		47	08
	eSKP		50	01
Apr. 12				
SPA	eP	18	19	49
Apr. 12				
BYR	eP	19	31	38
Apr. 12				
BYR	eP	19	53	29
Apr. 12				
BYR	iP	20	48	25
Apr. 12				
BYR	iP	22	33	46
	eS		44	49
	e(SS)		50	44
SPA	iP	22	34	30
	ePP		38	38
Apr. 13				
BYR	e(P)	06	45	30
Apr. 13				
BYR	iP	07	24	43
SPA	iP	07	25	29
Apr. 13				
BYR	eP	13	58	44
Apr. 13				
BYR	eP'	16	53	59
Apr. 13				
BYR	eP	17	23	42
Apr. 13				
SPA	iP	22	02	45
Apr. 13				
SPA	iP	23	53	05
Apr. 14				
SPA	iP	02	36	46
Apr. 14				
BYR	eP	04	11	54
SPA	iP	04	12	27
Apr. 14				
SPA	e(P)	07	12	53
Apr. 14				
BYR	e(P)	07	41	02
Apr. 14				
BYR	e(P)	09	22	03
Apr. 14				
BYR	iP	10	40	28
SPA	iP	10	40	45

Date and Station	Phase	h	m	s
Apr. 14				
BYR	eP	12	15	24
SPA	iP	12	15	42
Apr. 14				
BYR	eP	19	10	53
Apr. 14				
BYR	e(P)	20	15	40
SPA	eP	20	15	15
Apr. 14				
BYR	eP	23	08	29
Apr. 15				
BYR	eP'	00	33	35
SPA	e(P')	00	33	37
Apr. 15				
BYR	iP	01	29	27
SPA	iP	01	29	44
Apr. 15				
BYR	e(P)	03	29	57
Apr. 15				
BYR	eP	09	20	41
SPA	eP	09	21	41
Apr. 15				
BYR	iP	09	45	32
SPA	iP	09	46	06
	i		46	11
Apr. 15				
BYR	iP	16	37	05
SPA	eP	16	37	46
Apr. 15				
BYR	eP	17	40	04
Apr. 15				
BYR	eP	18	18	16
SPA	iP	18	17	57
Apr. 15				
BYR	eP	19	30	08
SPA	e(P)	19	30	26
Apr. 15				
BYR	iP	19	52	48
SPA	eP	19	53	32
Apr. 15				
BYR	eP	21	47	12
SPA	iP	21	47	02
Apr. 15				
BYR	eP	23	00	56

Date and Station	Phase	h	m	s
Apr. 16				
BYR	eP	00	14	43
Apr. 16				
BYR	eP	03	59	06
SPA	e(P)	03	59	45
Apr. 16				
BYR	iP'	06	35	32
SPA	iP'	06	35	30
Apr. 16				
BYR	eP	09	53	01
Apr. 16				
BYR	iP	10	27	52
SPA	iP	10	28	29
Apr. 16				
BYR	iP'	12	00	02
	i		00	11
	i		00	50
	eSKP		03	30
SPA	iP'	12	00	09
	i		00	19
	i		00	48
	eSKP		03	36
Apr. 16				
BYR	e(P)	12	11	49
SPA	eP	12	11	49
Apr. 16				
BYR	eP	16	57	51
SPA	iP	16	58	27
	i		58	33
	iPcP		58	45
Apr. 16				
BYR	iP	23	25	45
	iPcP		26	03
SPA	iP	23	25	32
	ePcP		25	47
Apr. 17				
BYR	iP	02	41	25
	e		41	40
SPA	iP	02	42	11
Apr. 17				
SPA	e(P)	04	47	42
Apr. 17				
BYR	eP	07	56	00
SPA	e(P)	07	56	35
Apr. 17				
BYR	eP'	13	28	28
SPA	eP'	13	28	45

Date and Station	Phase	h	m	s
Apr. 17				
BYR	e(P)	14	37	10
Apr. 17				
BYR	iP	15	02	36
Apr. 17				
BYR	eP	16	34	27
SPA	eP	16	34	30
Apr. 17				
BYR	iP	20	12	05
SPA	eP	20	11	47
Apr. 17				
BYR	iP	20	45	27
	ePcP		46	02
	iSS		57	56
SPA	iP	20	46	06
	i		46	12
	ipP		46	53
Apr. 17				
SPA	eP	20	58	26
Apr. 17				
SPA	e(P)	21	15	04
Apr. 17				
BYR	eP	21	41	26
SPA	e(P)	21	41	44
Apr. 18				
SPA	e(P)	01	01	05
	e		02	04
Apr. 18				
BYR	eP	02	09	02
SPA	e(P)	02	09	33
Apr. 18				
BYR	eP	02	21	56
Apr. 18				
BYR	eP	02	50	52
Apr. 18				
BYR	eP	03	52	55
Apr. 18				
SPA	eP	04	00	27
Apr. 18				
BYR	eP	04	19	53
SPA	iP	04	20	27
Apr. 18				
BYR	e(P)	06	28	23
Apr. 18				
BYR	e(P)	06	40	50
	e		42	05
SPA	iP	06	41	23

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Date and Station	Phase	(GCT) h m s
Apr. 18		
BYR	eP	07 11 38
Apr. 18		
SPA	eP	07 56 37
Apr. 18		
BYR	eP	08 01 46
	e	03 06
SPA	e(P)	08 02 24
Apr. 18		
BYR	eP'	08 46 12
SPA	eP'	08 46 15
Apr. 18		
SPA	e(P)	09 32 27
Apr. 18		
BYR	e(P)	09 47 43
Apr. 18		
SPA	e(P)	10 23 32
Apr. 18		
BYR	e(P)	10 54 44
Apr. 18		
BYR	e(P)	12 56 31
Apr. 18		
BYR	e(P)	13 22 17
Apr. 18		
BYR	e(P)	13 56 10
	e	56 51
SPA	iP	13 56 34
Apr. 18		
BYR	eP	14 51 45
SPA	eP	14 52 16
Apr. 18		
SPA	eP	16 34 31
Apr. 18		
BYR	e(P)	16 50 23
	e	54 12
Apr. 18		
BYR	eP	18 57 41
SPA	iP	18 58 31
Apr. 18		
BYR	eP	20 22 06
Apr. 18		
BYR	eP	21 56 30
Apr. 18		
BYR	eP	22 35 37
SPA	iP	22 36 09

Date and Station	Phase	(GCT) h m s
Apr. 18		
BYR	eP	23 26 26
Apr. 19		
BYR	e(P)	00 07 37
Apr. 19		
BYR	e(P)	00 28 30
Apr. 19		
BYR	iP	00 49 42
	i	50 12
SPA	iP	00 50 45
Apr. 19		
BYR	e(P)	02 15 12
Apr. 19		
BYR	e(P)	02 53 54
Apr. 19		
BYR	iP	03 07 39
SPA	iP	03 08 11
Apr. 19		
BYR	e(P)	03 19 02
SPA	eP	03 19 39
Apr. 19		
SPA	e(P)	03 47 42
Apr. 19		
BYR	eP	03 55 53
SPA	e(P)	03 55 27
Apr. 19		
SPA	e(P)	04 40 09
	e	45 10
Apr. 19		
BYR	e(P)	05 14 14
Apr. 19		
BYR	e(P)	06 03 44
Apr. 19		
BYR	eP	06 09 38
SPA	eP	06 09 40
Apr. 19		
BYR	e(P)	06 51 20
Apr. 19		
BYR	eP'	07 16 42
Apr. 19		
BYR	eP	07 50 12
SPA	iP	07 50 30
Apr. 19		
BYR	iP	11 14 22
	epP	14 47

Date and Station	Phase	(GCT) h m s
SPA	iP	11 15 02
Apr. 19		
BYR	e(P)	14 05 14
Apr. 19		
BYR	e(P')	16 31 34
	i	31 43
	i	32 02
SPA	iP'	16 31 43
	iSKP	35 10
Apr. 19		
BYR	e(P)	17 14 43
Apr. 19		
BYR	eP'	18 33 16
SPA	iP'	18 33 40
Apr. 19		
BYR	eP'	20 39 02
SPA	e(P')	20 39 09
Apr. 19		
BYR	eP	21 48 06
Apr. 19		
BYR	eP'	22 27 02
Apr. 20		
BYR	eP'	00 27 35
Apr. 20		
SPA	eP	02 22 55
Apr. 20		
BYR	eP'	06 03 53
Apr. 20		
BYR	eP	07 49 42
Apr. 20		
SPA	e(P)	09 15 07
Apr. 20		
BYR	eP'	14 34 56
Apr. 20		
BYR	e(P)	18 44 59
SPA	e(P)	18 44 00
Apr. 20		
BYR	eP	19 28 38
SPA	iP	19 29 13
Apr. 20		
BYR	eP	21 34 30
SPA	eP	21 35 03
Apr. 20		
BYR	iP	21 50 15
	ePcP	50 31

Date and Station	Phase	(GCT) h m s
SPA	iP	21 50 51
	iPcP	51 04
Apr. 21		
BYR	eP	06 45 55
Apr. 21		
BYR	eP	13 57 56
Apr. 21		
BYR	e(P')	20 29 48
	e	30 00
	i	30 16
Apr. 21		
BYR	eP	20 41 56
	e	46 13
Apr. 21		
BYR	eP	21 09 23
Apr. 21		
BYR	eP'	21 45 58
Apr. 21		
BYR	eP	21 57 54
	e	58 05
Apr. 22		
BYR	e(P)	01 42 31
	e	43 10
Apr. 22		
BYR	eP	06 38 50
Apr. 22		
BYR	eP	10 45 26
Apr. 22		
BYR	iP	10 57 48
Apr. 22		
BYR	iP	12 53 47
	e	54 27
Apr. 22		
BYR	e(P)	16 47 13
Apr. 22		
BYR	iP	17 10 44
Apr. 22		
BYR	eP	19 12 01
	i	13 42
Apr. 22		
BYR	eP	22 00 31
	e	00 58
	e	02 17
Apr. 23		
BYR	eP	00 32 02
Apr. 23		
BYR	iP'	05 33 10
	ePKKP	43 26

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Date and Station	Phase	(GCT) h m s
Apr. 23		
BYR	eP	06 34 33
Apr. 23		
SPA	eP	08 52 29
Apr. 23		
BYR	e(P')	09 20 43
	e	20 57
	e	21 18
SPA	iP'	09 20 54
	i	21 15
Apr. 23		
BYR	eP'	12 37 10
SPA	eP'	12 37 29
Apr. 23		
BYR	eP	13 23 40
Apr. 23		
BYR	e(P)	14 43 16
Apr. 23		
BYR	eP'	15 14 34
Apr. 23		
BYR	eP'	17 10 16
SPA	iP'	17 10 34
Apr. 23		
BYR	eP	19 50 58
Apr. 23		
BYR	eP	22 21 58
Apr. 24		
BYR	eP	02 16 32
SPA	iP	02 17 07
Apr. 24		
SPA	eP	04 24 11
Apr. 24		
BYR	eP'	05 11 44
SPA	e(P')	05 12 11
Apr. 24		
SPA	iP	08 47 29
Apr. 24		
BYR	iP	10 45 57
Apr. 24		
BYR	iP	12 07 20
Apr. 24		
BYR	eP'	12 46 53
SPA	iP'	12 47 07
Apr. 24		
BYR	eP	13 19 32
SPA	iP	13 20 07

Date and Station	Phase	(GCT) h m s
Apr. 24		
BYR	iP	13 36 59
SPA	eP	13 37 33
Apr. 24		
BYR	e(P)	13 55 05
Apr. 25		
BYR	e(P)	00 34 17
	e	37 40
SPA	e(P)	00 34 14
Apr. 25		
BYR	eP'	00 47 24
SPA	e(P')	00 47 53
Apr. 25		
BYR	eP'	01 36 52
SPA	eP'	01 36 56
Apr. 25		
BYR	iP	02 44 50
SPA	iP	02 44 28
	i	44 40
Apr. 25		
BYR	e(P)	09 55 14
SPA	e(P)	09 55 27
Apr. 25		
BYR	eP	10 22 23
Apr. 25		
BYR	eP	11 25 52
SPA	iP	11 26 28
Apr. 25		
BYR	e(P)	12 04 24
SPA	e(P)	12 04 43
	e	05 09
Apr. 25		
BYR	eP	12 28 41
Apr. 25		
SPA	eP	13 52 54
Apr. 25		
BYR	iP	14 00 46
	i	02 40
SPA	e(P)	14 00 31
	e	01 40
Apr. 25		
BYR	eP	15 53 17
	e	53 52
SPA	eP	15 53 52
Apr. 25		
BYR	eP	19 45 39

Date and Station	Phase	(GCT) h m s
SPA	eP	19 46 14
	i	46 17
Apr. 25		
SPA	eP	20 01 57
Apr. 25		
BYR	eP	21 01 00
SPA	e(P)	21 01 37
Apr. 25		
SPA	e(P)	21 12 28
Apr. 25		
BYR	eP'	23 59 28
SPA	e(P')	23 59 30
Apr. 26		
BYR	eP	02 34 12
SPA	eP	02 33 37
Apr. 26		
BYR	eP	06 05 19
SPA	eP	06 06 03
Apr. 26		
BYR	iP	06 32 54
SPA	eP	06 32 56
Apr. 26		
BYR	iP	07 32 28
SPA	iP	07 32 58
Apr. 26		
BYR	eP'	07 58 13
SPA	eP'	07 58 16
Apr. 26		
BYR	eP	08 36 01
Apr. 26		
BYR	eP	10 04 55
SPA	eP	10 05 25
Apr. 26		
BYR	iP'	12 05 22
SPA	eP'	12 05 06
Apr. 26		
BYR	eP	13 24 04
SPA	iP	13 24 43
Apr. 26		
BYR	iP	15 11 00
SPA	iP	15 10 45
Apr. 26		
BYR	e(P)	15 30 40

Date and Station	Phase	(GCT) h m s
SPA	eP	15 31 25
Apr. 26		
BYR	iP	17 06 38
SPA	iP	17 06 17
Apr. 26		
BYR	eP	18 56 58
SPA	eP	18 57 28
Apr. 26		
BYR	eP'	19 51 46
SPA	e(P')	19 51 48
Apr. 27		
BYR	e(P)	00 19 29
Apr. 27		
BYR	eP	00 35 11
SPA	iP	00 35 42
Apr. 27		
BYR	eP	02 27 50
Apr. 27		
BYR	iP	06 35 56
SPA	eP	06 36 26
Apr. 27		
SPA	e(P)	11 26 18
Apr. 27		
BYR	e(P)	11 36 07
Apr. 27		
BYR	eP	13 51 01
Apr. 27		
BYR	e(P)	14 55 15
Apr. 27		
SPA	eP	16 26 42
Apr. 27		
BYR	iP	18 03 18
	ePcP	03 41
	e(P'P')	28 57
SPA	iP	18 04 00
	ipP	04 45
	eP'P'	29 38
Apr. 27		
BYR	eP	20 15 02
SPA	eP	20 15 21
Apr. 27		
BYR	eP	23 36 45
Apr. 28		
BYR	iP	03 21 30

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Date and Station	Phase	(GCT)
Apr. 28		h m s
BYR	iP	08 50 46
	iPP	53 09
	epPP	53 44
Apr. 28		
BYR	iP	09 39 56
Apr. 28		
BYR	eP	10 35 54
Apr. 28		
BYR	iP	13 12 30
Apr. 28		
BYR	e(P)	22 31 09
Apr. 29		
BYR	iP	01 50 23
Apr. 29		
BYR	eP	03 51 22
Apr. 29		
BYR	eP	04 03 27
Apr. 29		
BYR	e(P)	05 02 41
Apr. 29		
BYR	eP	06 52 23
	ePP	54 06
Apr. 29		
BYR	eP'	09 38 18
Apr. 29		
BYR	eP'	11 04 58
Apr. 29		
BYR	iP	20 05 50
Apr. 29		
BYR	eP'	21 37 22
Apr. 29		
BYR	eP	22 52 47
Apr. 30		
BYR	eP	00 18 50
Apr. 30		
BYR	eP	01 20 22
Apr. 30		
BYR	e(P)	04 39 43
Apr. 30		
BYR	e(P)	07 17 37
Apr. 30		
BYR	eP	07 32 01
Apr. 30		
BYR	eP'	07 53 15
Apr. 30		
BYR	eP	11 00 50

Date and Station	Phase	(GCT)
Apr. 30		h m s
BYR	e(P')	11 34 16
	e	34 30
Apr. 30		
BYR	eP	14 59 20
Apr. 30		
BYR	e(P)	16 14 17
Apr. 30		
BYR	e(P)	22 04 44
May 2		
BYR	eP	00 57 26
May 2		
BYR	e(P)	02 02 51
May 2		
BYR	iP'	11 37 18
May 2		
SPA	iP	11 45 43
May 2		
SPA	e(P)	14 08 23
May 2		
BYR	eP	17 19 20
May 2		
BYR	iP	17 34 50
May 2		
BYR	eP	18 46 11
May 2		
BYR	eP	19 01 59
SPA	eP	19 02 34
May 2		
BYR	e(P)	19 47 48
	e	47 56
SPA	eP	19 48 34
May 2		
BYR	eP	20 12 28
SPA	eP	20 12 30
May 2		
BYR	eP	20 58 40
SPA	e(P)	20 59 28
May 2		
BYR	e(P)	21 43 07
May 2		
BYR	eP	21 55 04
May 2		
BYR	e(P)	22 52 23

Date and Station	Phase	(GCT)
May 2		h m s
BYR	eP	22 54 26
	eS	23 01 44
SPA	iP	22 55 07
	eLg	23 09 09
May 2		
BYR	eP	23 33 43
SPA	iP	23 34 20
May 3		
BYR	eP	00 39 25
May 3		
SPA	iP	09 08 07
May 3		
BYR	e(P')	09 15 56
May 3		
BYR	e(P)	09 21 58
May 3		
BYR	e(P)	10 31 29
May 3		
BYR	eP	17 03 54
	e	10 07
SPA	iP	17 04 32
	i	04 51
	iS	13 20
May 3		
BYR	eP	19 10 24
SPA	eP	19 11 03
May 3		
BYR	eP	20 01 18
	e	04 06
May 4		
BYR	iP	03 43 04
May 4		
BYR	eP	10 39 52
SPA	eP	10 40 29
May 4		
BYR	iP	15 23 40
SPA	eP	15 23 56
May 4		
BYR	e(P)	15 36 51
May 4		
BYR	e(P)	20 26 58
May 4		
BYR	iP	20 32 26
SPA	iP	20 33 08

Date and Station	Phase	(GCT)
May 4		h m s
BYR	iP	23 50 25
SPA	eP	23 51 07
May 5		
BYR	iP	00 34 33
SPA	iP	00 34 17
May 5		
BYR	eP	03 52 44
May 5		
BYR	eP	06 48 48
SPA	iP	06 49 25
	ipP	49 48
May 5		
BYR	e(P)	08 08 52
May 5		
BYR	eP	08 54 01
SPA	iP	08 54 48
	e	54 57
May 5		
SPA	eP'	13 27 07
May 5		
BYR	eP	13 53 03
SPA	iP	13 53 40
	i	53 43
	ipP	54 01
May 5		
BYR	eP	15 38 35
SPA	eP	15 39 12
May 5		
BYR	e(P)	16 16 33
May 5		
BYR	iP	16 25 38
SPA	eP	16 26 09
May 5		
BYR	iP	17 53 26
SPA	e(P)	17 53 26
May 5		
BYR	e(P)	19 11 59
SPA	eP	19 12 36
May 5		
BYR	e(P)	19 50 16
May 5		
BYR	eP	20 46 56
SPA	e(P)	20 47 33

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Date and Station		Phase	h	m	s
May 5					
BYR		eP	20	56	40
SPA		eP	20	57	17
May 5					
BYR		e(P)	22	01	48
May 5					
BYR		iP	01	18	27
SPA		e(P)	01	18	20
May 5					
BYR		eP	04	05	16
		ePcP		05	47
SPA		eP	04	06	10
May 6					
BYR		e(P)	11	28	08
May 6					
SPA		e(P)	11	31	09
May 6					
SPA		eP	13	45	36
May 6					
SPA		iP'	16	23	39
May 6					
BYR		eP	19	25	39
May 6					
BYR		eP	19	51	10
SPA		iP	19	51	01
		i		51	08
		e		52	14
May 6					
BYR		eP	20	08	35
May 6					
BYR		e(P)	21	30	15
SPA		e(P)	21	30	02
May 6					
BYR		eP	22	46	31
		ePP		50	41
SPA		iP	22	46	11
		epP		46	40
		e		47	51
		ePP		50	19
May 6					
BYR		eP	23	02	46
May 6					
BYR		e(P)	23	24	12
		ipP		24	34
SPA		iP	23	24	53
		i		25	00
		ipP		25	15

Date and Station		Phase	h	m	s
May 6					
BYR		eP	23	48	14
SPA		iP	23	48	21
		ePP		49	45
May 7					
BYR		iP	00	37	57
		iPcP		38	07
		e		38	52
		ePP		41	13
SPA		iP	00	38	03
		i		38	18
		ipP		38	32
May 7					
BYR		e(P)	01	13	27
SPA		eP	01	13	04
		e		14	02
May 7					
BYR		eP'	01	18	21
SPA		e(P')	01	18	24
May 7					
BYR		eP	02	10	34
SPA		e(P)	02	10	47
May 7					
BYR		iP	04	44	57
		ipP		45	28
		i		45	43
		e		46	57
		ePP		48	28
SPA		iP	04	44	24
		i		45	21
		i		45	49
		ePP		47	34
May 7					
BYR		eP	05	01	23
SPA		e(P)	05	00	57
May 7					
SPA		iP	05	14	22
May 7					
SPA		iP	06	22	12
May 7					
BYR		eP	07	07	14
SPA		eP	07	07	18
May 7					
BYR		eP	07	55	12
SPA		iP	07	55	45
May 7					
BYR		eP	10	36	24
		epP		36	46
		e		40	05

Date and Station		Phase	h	m	s
SPA		iP	10	36	06
		ipP		36	28
May 7					
BYR		eP'	12	33	22
SPA		e(P')	12	32	54
May 7					
BYR		iP	13	48	21
May 7					
BYR		iP	15	03	22
SPA		iP	15	02	44
May 7					
SPA		eP	15	45	39
May 7					
BYR		e(P')	16	00	31
SPA		e(P')	16	01	36
May 7					
SPA		eP	16	38	18
May 7					
BYR		eP	17	56	20
SPA		eP	17	56	59
May 7					
BYR		e(P)	19	33	54
SPA		eP	19	34	13
May 7					
BYR		eP	20	12	14
May 7					
BYR		e(P)	20	33	06
May 7					
SPA		e(P)	22	18	49
May 7					
BYR		e(P)	22	52	51
SPA		eP	22	52	55
May 8					
BYR		e(P)	00	46	35
May 8					
BYR		iP	02	03	28
		i		03	54
May 8					
BYR		eP	08	37	42
SPA		eP	08	37	29
May 8					
SPA		eP	09	10	06
May 8					
BYR		e(P)	14	34	28

Date and Station		Phase	h	m	s
SPA		eP	14	35	07
May 8					
SPA		iP	16	38	18
May 8					
BYR		eP	18	43	24
SPA		eP	18	44	04
May 8					
BYR		iP	19	33	36
		iPcP		34	03
		i		34	18
		ePP		36	01
SPA		iP	19	34	19
		i		34	31
		iPcP		34	46
		i		35	04
May 8					
BYR		eP	20	02	50
SPA		eP	20	02	57
May 8					
BYR		e(P)	20	17	13
SPA		eP	20	16	56
May 8					
BYR		iP	23	05	21
SPA		iP	23	05	00
		epP		05	40
May 9					
BYR		e(P)	06	40	41
May 9					
BYR		eP	08	25	48
SPA		iP	08	26	25
May 9					
BYR		e(P)	09	29	24
SPA		eP	09	29	00
May 9					
BYR		iP	11	18	46
SPA		iP	11	18	49
May 9					
BYR		eP	12	01	49
SPA		eP	12	01	14
May 9					
SPA		iP	12	25	36
May 9					
BYR		e(P)	13	38	18
SPA		eP	13	38	19

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Date and Station	Phase	(GCT) h m s
May 9		
BYR	e(P)	16 11 04
SPA	e(P)	16 10 46
May 9		
BYR	e(P)	18 36 54
SPA	eP	18 36 33
May 10		
SPA	e(P)	02 40 53
May 10		
BYR	eP	02 42 01
May 10		
BYR	eP	06 26 04
SPA	iP	06 26 24
May 10		
BYR	e(P)	09 50 21
SPA	e(P)	09 51 04
May 10		
BYR	iP	10 16 12
	i	16 21
SPA	eP	10 16 49
	e	17 19
May 10		
BYR	e(P)	12 35 00
May 10		
BYR	e(P)	13 31 14
May 10		
BYR	e(P)	14 47 33
May 10		
BYR	iP	14 59 45
	e	59 55
SPA	eP	14 59 24
	i	15 00 16
May 10		
SPA	e(P)	21 51 24
May 10		
BYR	e(P)	22 48 24
	e	48 49
SPA	eP	22 48 54
May 11		
BYR	iP	01 04 13
	e	04 30
SPA	iP	01 03 41
	i	04 01
	i	04 12
May 11		
BYR	e(P')	05 18 39
	epP	19 10
SPA	eP'	05 18 38
May 11		
BYR	iP	05 36 38
	epP	38 20
SPA	iP	05 37 09
	ePcP	37 27
May 11		
BYR	e(P)	06 05 07
May 11		
BYR	e(P)	07 24 10
SPA	e(P)	07 24 07
May 11		
BYR	iP	08 46 52
	ipP	47 18
	i	47 46
	epPP	49 01
SPA	iP	08 47 42
	ipP	48 09
	esP	48 19
	ePcP	48 48
May 11		
BYR	eP'	13 44 59
May 11		
BYR	eP'	13 55 51
	eSKS	14 02 54
May 11		
SPA	e(P')	19 08 00
May 11		
BYR	eP	19 36 04
May 12		
BYR	eP	01 26 25
SPA	eP	03 20 05
May 12		
BYR	e(P)	03 53 41
	ePcP	53 49
May 12		
BYR	eP	04 33 35
May 12		
BYR	eP	04 54 12
SPA	iP	04 54 48
	epP	55 08
May 12		
BYR	e(P)	06 20 15
SPA	eP	06 20 21
May 12		
BYR	iP	06 37 39
	epP	38 09
SPA	iP	06 37 55
May 12		
BYR	eP	06 48 27
	e	49 00
May 12		
BYR	e(P)	07 15 57
May 12		
BYR	eP	07 33 50
SPA	eP	07 34 24
May 12		
BYR	iP	13 07 40
	e	08 08
	ePcP	08 27
SPA	e(P)	13 08 20
May 12		
SPA	eP'	17 56 11
May 12		
BYR	eP	21 36 31
SPA	eP	21 37 01
May 12		
SPA	eP	23 03 01
May 13		
SPA	e(P)	01 37 29
May 13		
SPA	eP'	06 02 32
May 13		
SPA	eP	06 43 20
May 13		
BYR	eP	07 56 50
	e	57 29
SPA	iP	07 57 39
	e	58 34
May 13		
SPA	eP'	09 06 47
May 13		
SPA	eP	10 29 21
May 13		
BYR	e(P)	12 58 29
May 13		
BYR	eP	13 51 34
SPA	iP	13 52 09
	e	53 29
May 13		
BYR	eP	14 27 11
	iPcP	28 13
	ePP	29 12
	ePPP	30 17
SPA	eP	14 27 48
	e	29 05
	e	29 33
	eS	36 19
May 13		
BYR	e(P)	14 58 17
SPA	iP	14 58 12
May 13		
BYR	iP	15 03 01
	epP	04 52
May 13		
SPA	iP	15 03 30
	e	04 29
	ipP	05 23
May 13		
BYR	e(P)	15 31 04
SPA	iP	15 31 01
May 13		
BYR	e(P)	16 03 45
SPA	e(P)	16 03 24
May 13		
BYR	eP'	16 08 46
SPA	eP'	16 08 47
	e(SKP)	11 34
May 13		
BYR	eP	16 58 38
SPA	e(P)	16 59 16
May 13		
BYR	iP	17 37 00
SPA	eP	17 36 45
May 13		
BYR	eP	17 43 54
May 13		
SPA	eP	17 55 19
May 13		
SPA	eP'	19 04 30
May 13		
BYR	iP'	19 38 00
SPA	eP'	19 37 50
May 13		
SPA	eP	22 56 06
May 14		
BYR	eP	00 21 01
SPA	iP	00 21 31
May 14		
BYR	eP	02 53 06
SPA	iP	02 53 43
May 14		
BYR	eP	03 17 04
SPA	eP	03 16 43

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Date and Station	Phase (GCT)	h	m	s
May 14				
BYR	eP	03	22	50
SPA	e(P)	03	23	33
May 14				
BYR	eP	08	07	10
May 14				
BYR	eP	08	31	50
May 14				
BYR	iP	11	35	34
SPA	e(P)	11	36	08
May 14				
BYR	eP	12	37	06
SPA	eP	12	37	02
May 14				
BYR	iP	12	58	05
May 14				
BYR	e(P)	13	30	57
May 14				
BYR	e(P)	13	48	16
	e		48	28
SPA	eP	13	49	03
May 14				
SPA	eP'	19	50	43
May 14				
BYR	eP	23	06	48
SPA	eP	23	07	19
May 15				
BYR	e(P)	03	49	39
May 15				
BYR	iP	05	36	38
May 15				
BYR	iP	19	23	33
May 15				
BYR	eP	20	00	35
	i		00	52
May 15				
BYR	iP	21	03	38
May 16				
BYR	eP	04	18	23
May 16				
BYR	e(P)	09	43	50
May 16				
BYR	iP	14	47	52
May 16				
BYR	eP	15	34	38

Date and Station	Phase (GCT)	h	m	s
May 16				
BYR	e(P)	15	49	29
May 16				
BYR	eP	17	11	37
May 16				
BYR	eP	17	37	16
May 16				
BYR	eP	20	13	01
May 16				
BYR	iP'	22	04	21
	ipP'		04	47
May 16				
BYR	e(P)	22	14	01
	e		16	44
May 17				
BYR	e(P)	00	52	21
May 17				
BYR	eP	01	06	49
May 17				
SPA	eP'	03	41	10
May 17				
BYR	iP	06	26	03
	e		26	33
SPA	iP	06	26	46
	e(PcP)		27	16
May 17				
BYR	eP'	08	53	16
SPA	eP'	08	53	26
May 17				
BYR	iP	10	50	13
May 17				
BYR	iP	12	13	29
SPA	eP	12	14	10
May 17				
BYR	eP	14	32	27
SPA	eP	14	31	45
May 17				
BYR	e(P)	19	14	30
SPA	eP	19	14	15
May 17				
BYR	e(P')	19	48	36
	i		48	46
	e		51	34
	eSKP		52	17
SPA	eP'	19	48	49
	i		49	05
	i		49	17

Date and Station	Phase (GCT)	h	m	s
May 17				
BYR	iP	21	06	06
SPA	iP	21	06	35
May 17				
BYR	eP	22	46	50
SPA	iP	22	47	26
May 17				
BYR	e(P)	23	17	11
May 18				
BYR	e(P)	00	33	02
May 18				
SPA	e(P')	09	10	12
May 18				
SPA	eP'	09	57	07
May 18				
SPA	eP	11	17	27
May 18				
SPA	eP	11	48	23
May 18				
SPA	e(P)	15	12	46
May 18				
BYR	eP	17	32	18
May 18				
BYR	eP	18	56	19
May 18				
SPA	e(P)	19	03	42
May 18				
BYR	eP	20	51	27
SPA	iP	20	51	09
	epP		51	29
May 18				
BYR	e(P)	22	19	44
SPA	eP	22	20	41
May 18				
BYR	eP	23	18	35
SPA	iP	23	19	26
	i		19	34
May 19				
SPA	e(P)	00	16	33
May 19				
BYR	eP	01	03	51
SPA	iP	01	03	35

Date and Station	Phase (GCT)	h	m	s
May 19				
BYR	eP	01	38	46
May 19				
BYR	eP	01	53	36
SPA	eP	01	54	08
May 19				
BYR	iP	02	31	06
SPA	iP	02	31	35
	ePcP		31	53
May 19				
BYR	eP	03	53	34
SPA	eP	03	54	11
May 19				
BYR	e(P)	09	25	09
May 19				
BYR	eP	09	38	52
SPA	eP	09	38	41
May 19				
BYR	eP	11	41	39
May 19				
SPA	eP'	15	06	53
May 19				
BYR	e(P')	16	56	03
SPA	e(P')	16	56	19
May 19				
SPA	eP	20	08	20
May 19				
BYR	e(P')	21	49	24
SPA	eP'	21	49	19
May 20				
BYR	eP	00	26	18
May 20				
BYR	eP	09	34	33
May 20				
BYR	eP	10	29	15
May 20				
BYR	eP	11	54	17
May 20				
BYR	eP'	12	10	16
SPA	eP'	12	10	18
May 20				
BYR	eP	12	21	47
SPA	eP	12	22	33

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Date and Station	Phase	(GCT) h m s
May 20		
SPA	e(P)	16 07 17
May 20		
BYR	e(P)	17 05 46
May 20		
BYR	eP	18 05 13
SPA	iP	18 04 30
May 20		
SPA	e(P)	19 14 33
May 20		
BYR	e(P)	20 04 33
	e(S)	16 44
SPA	iP	20 04 37
	eS	16 48
May 20		
BYR	e(P)	21 29 56
May 20		
BYR	eP	23 31 56
SPA	eP	23 32 07
May 21		
BYR	e(P)	00 39 40
May 21		
BYR	e(P')	01 25 44
May 21		
SPA	eP	04 00 23
May 21		
BYR	eP'	05 43 32
May 21		
BYR	eP	06 39 35
SPA	eP	06 40 08
May 21		
BYR	eP	07 29 00
SPA	e(P)	07 29 31
May 21		
BYR	eP	08 45 10
	ePcP	45 21
SPA	eP	08 45 58
	eS	55 05
May 21		
BYR	e(P)	11 26 02
May 21		
BYR	eP	12 55 39
May 21		
BYR	iP	17 53 34
	iPcP	53 49
SPA	iP	17 54 14
	iPcP	54 27
	i	54 39

Date and Station	Phase	(GCT) h m s
May 21		
BYR	eP	18 23 45
SPA	iP	18 24 21
May 21		
BYR	eP	20 59 53
May 21		
BYR	eP	21 23 20
SPA	eP	21 23 03
	i	29 11
May 21		
BYR	iP	21 49 45
SPA	iP	21 49 40
	i	49 54
	ePP	51 38
May 21		
BYR	eP	00 55 44
SPA	iP	00 55 47
May 21		
BYR	iP	01 28 41
	i	29 07
SPA	iP	01 29 21
May 22		
SPA	e(P)	02 51 17
May 22		
BYR	eP'	09 16 32
	e	16 50
SPA	eP'	09 16 32
May 22		
BYR	e(P)	11 16 46
May 22		
BYR	e(P)	11 48 36
SPA	e(P)	11 48 13
May 22		
BYR	iP	13 54 38
	epP	55 02
SPA	iP	13 55 34
	ipP	56 02
	esP	56 15
May 22		
SPA	eP	14 23 41
May 22		
BYR	e(P)	14 50 15
May 22		
SPA	e(P)	17 21 30
May 22		
BYR	iP	17 42 41
	i	42 58
	iPP	45 09

Date and Station	Phase	(GCT) h m s
SPA	iP	17 43 16
	i	44 03
	ePP	46 16
	eScS	53 31
May 22		
BYR	e(P)	18 11 22
	e	11 42
SPA	eP	18 11 28
May 22		
BYR	e(P)	19 11 05
SPA	e(P)	19 11 43
May 22		
SPA	eP	20 04 49
May 22		
BYR	eP	21 07 43
May 22		
BYR	eP	21 18 29
SPA	eP	21 19 06
May 22		
BYR	iP	22 51 37
May 22		
SPA	iP	23 42 09
May 23		
BYR	eP'	03 04 23
	ipP'	04 51
	i	05 12
	i	07 11
	iSKP	07 58
	epPPP	11 23
SPA	e(P)	03 01 33
	epP	01 56
	i	04 17
	i	06 15
May 23		
BYR	iP	03 53 22
	ePcP	53 30
	e	56 06
SPA	eP	03 54 00
May 23		
BYR	eP	06 00 00
	e	00 50
SPA	iP	06 00 06
	e	00 40
May 23		
BYR	eP	09 58 06
SPA	eP	09 58 13
May 23		
BYR	eP	10 15 16
SPA	eP	10 15 22

Date and Station	Phase	(GCT) h m s
May 23		
SPA	eP	11 42 25
May 23		
BYR	e(P)	12 48 24
SPA	e(P)	12 48 56
May 23		
BYR	eP	13 29 30
SPA	iP	13 28 34
May 23		
BYR	eP	15 51 23
SPA	eP	15 52 17
May 23		
BYR	iP	16 58 07
	ipP	58 30
	isP	58 45
SPA	iP	16 58 47
	epP	59 34
	e	17 02 12
	ePPP	03 26
May 23		
BYR	e(P)	19 39 50
	e	40 31
May 24		
BYR	e(P)	05 04 20
May 24		
BYR	iP	06 26 50
SPA	eP	06 26 56
May 24		
SPA	e(P)	08 09 48
May 24		
BYR	e(P)	10 21 50
SPA	e(P)	10 22 30
May 24		
SPA	eP	13 18 57
May 24		
BYR	eP	14 28 10
SPA	eP	14 27 53
May 24		
SPA	e(P)	16 47 41
May 24		
BYR	iP	17 31 02
SPA	iP	17 30 38
	iPcP	30 50
May 24		
BYR	eP	21 02 40
SPA	e(P)	21 02 24

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Date and Station	Phase	(GCT) h m s
May 25		
BYR	e(P)	00 35 12
May 25		
BYR	e(P)	01 01 19
May 25		
BYR	e(P)	01 15 33
May 25		
BYR	iP	04 53 56
	i	54 12
	ipP	54 19
SPA	eP	04 54 40
	i	54 55
May 25		
BYR	e(P)	05 30 33
SPA	e(P)	05 31 07
May 25		
BYR	eP	09 37 29
SPA	eP	09 37 27
May 25		
SPA	eP	11 15 02
May 25		
BYR	iP'	13 51 55
	e	52 57
SPA	iP'	13 52 33
	e	52 53
May 25		
BYR	eP	14 48 08
May 25		
SPA	eP	16 14 50
May 25		
BYR	eP	17 44 07
SPA	eP	17 44 42
May 25		
BYR	eP	18 50 59
SPA	eP	18 51 35
May 25		
BYR	e(P)	19 27 57
SPA	eP	19 27 47
May 25		
BYR	e(P)	19 46 10
SPA	e(P)	19 45 49
May 25		
BYR	eP	21 18 01
SPA	iP	21 18 32
May 26		
BYR	e(P)	00 27 46

Date and Station	Phase	(GCT) h m s
May 26		
SPA	e(P)	01 42 13
May 26		
BYR	eP	03 30 40
SPA	eP	03 31 55
	ePcP	32 49
May 26		
BYR	eP	04 44 42
SPA	eP	04 45 57
May 26		
BYR	e(P)	06 17 46
SPA	eP	06 18 05
	ipP	18 29
May 26		
SPA	e(P)	08 49 10
May 26		
BYR	iP	08 52 46
	epP	54 58
SPA	iP	08 53 21
	ePcP	53 27
May 26		
BYR	e(P)	09 59 18
SPA	eP	10 00 09
May 26		
BYR	eP	10 25 50
May 26		
BYR	iP	10 33 41
	e	35 55
SPA	iP	10 34 16
May 26		
BYR	eP	12 46 02
SPA	iP	12 46 34
May 26		
BYR	e(P)	13 19 18
SPA	e(P)	13 19 53
May 26		
BYR	e(P)	13 26 25
SPA	e(P)	13 26 55
May 26		
BYR	eP	15 06 34
SPA	e(P)	15 06 50
May 26		
BYR	e(P)	17 35 13
May 26		
BYR	eP	22 16 51

Date and Station	Phase	(GCT) h m s
SPA	eP	22 17 06
May 26		
BYR	e(P')	23 08 56
SPA	e(P')	23 09 10
May 27		
BYR	eP	02 22 25
SPA	iP	02 22 30
May 27		
BYR	e(P)	03 16 03
SPA	eP	03 16 14
May 27		
BYR	e(P)	05 08 33
SPA	eP	05 09 04
May 27		
BYR	e(P')	05 33 45
SPA	iP'	05 33 32
May 27		
BYR	eP'	07 37 12
SPA	eP'	07 37 11
	esPP	40 30
May 27		
BYR	e(P)	09 59 43
SPA	eP	10 00 18
May 27		
BYR	eP'	10 42 08
May 27		
BYR	e(P')	10 57 01
SPA	iP'	10 56 40
May 27		
BYR	eP	11 26 39
SPA	eP	11 27 21
May 27		
BYR	eP	12 04 15
SPA	iP	12 04 54
May 27		
BYR	eP	17 06 03
SPA	iP	17 05 26
May 27		
BYR	e(P)	17 40 01
SPA	iP	17 39 38
May 27		
BYR	eP	19 00 34

Date and Station	Phase	(GCT) h m s
SPA	eP	19 00 48
May 28		
BYR	iP	01 12 26
SPA	iP	01 13 19
May 28		
BYR	iP	02 42 58
SPA	iP	02 42 54
	i	43 08
	ipP	43 14
May 28		
SPA	eP	03 09 37
May 28		
BYR	eP	04 12 58
	i	13 08
SPA	eP	04 12 22
	i	12 35
May 28		
BYR	e(P)	05 59 33
SPA	e(P)	05 59 27
May 28		
BYR	eP	07 41 44
SPA	iP	07 42 03
May 28		
BYR	e(P)	09 39 52
May 28		
BYR	e(P)	09 57 11
SPA	e(P)	09 56 31
May 28		
BYR	e(P)	10 10 34
SPA	e(P)	10 10 41
May 28		
BYR	eP	10 59 58
SPA	eP	10 59 52
May 28		
BYR	eP	12 51 04
SPA	eP	12 51 41
May 28		
SPA	iP	13 19 11
	i	19 17
May 28		
BYR	e(P)	13 42 07
SPA	e(P)	13 41 47
May 28		
BYR	eP	14 53 48

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Date and Station	Phase	(GCT) h m s
May 28		
BYR	e(P)	16 12 51
SPA	eP	16 12 55
May 28		
BYR	e(P)	18 15 46
May 28		
BYR	e(P)	18 48 25
SPA	eP	18 49 08
May 28		
SPA	eP	19 28 25
May 28		
BYR	eP	19 38 04
	esP	39 03
SPA	iP	19 38 37
	isP	39 40
May 28		
BYR	e(P)	20 31 05
SPA	e(P)	20 30 55
May 28		
BYR	eP	20 36 28
SPA	eP	20 35 20
May 28		
BYR	e(P)	20 45 44
SPA	e(P)	20 45 08
May 29		
SPA	eP'	00 42 15
May 29		
SPA	iP	06 47 55
May 29		
SPA	eP	07 01 02
May 29		
SPA	iP	07 37 19
	i	37 28
	i	37 40
	eS	44 52
May 29		
SPA	eP	08 33 56
May 29		
SPA	eP'	10 48 17
May 29		
SPA	eP	17 44 12
May 29		
SPA	eP	18 01 32
May 29		
SPA	eP	20 48 31

Date and Station	Phase	(GCT) h m s
May 29		
SPA	eP	22 46 55
May 30		
BYR	eP	01 06 39
May 30		
SPA	e(P)	02 43 03
	e	45 13
May 30		
BYR	e(P)	08 44 26
May 30		
SPA	e(P)	10 53 51
May 30		
BYR	iP	11 45 41
SPA	iP	11 46 10
May 30		
BYR	eP	12 37 18
SPA	iP	12 38 31
May 30		
BYR	eP	17 32 41
SPA	eP	17 32 51
May 30		
SPA	eP	19 49 01
May 30		
SPA	eP	20 06 48
May 30		
BYR	iP	22 15 06
	i	15 21
SPA	iP	22 15 46
	i	16 01
May 31		
BYR	eP	03 18 15
May 31		
BYR	eP	05 23 04
SPA	iP	05 23 25
	i	23 50
May 31		
SPA	e(P)	13 04 18
May 31		
BYR	e(P')	14 58 26
	ipP'	58 45
	isP'	59 01
SPA	e(P')	14 58 31
	epP'	58 49
May 31		
BYR	eP	16 39 10
SPA	iP	16 39 59
	i	40 10

Date and Station	Phase	(GCT) h m s
May 31		
BYR	eP	19 28 15
May 31		
BYR	e(P)	20 04 28
May 31		
BYR	iP	22 19 29
	i	20 20
SPA	iP	22 19 11
	i	19 50
Jun. 1		
BYR	e(P')	03 47 02
SPA	iP'	03 47 11
Jun. 1		
BYR	e(P')	08 16 00
SPA	e(P')	08 16 06
Jun. 1		
BYR	e(P)	10 16 38
Jun. 1		
BYR	eP	11 32 24
SPA	iP	11 32 05
Jun. 1		
BYR	e(P)	12 22 02
SPA	eP	12 22 20
Jun. 1		
BYR	eP	13 46 34
Jun. 1		
BYR	eP	17 12 41
SPA	iP	17 13 07
Jun. 1		
BYR	eP'	18 08 53
SPA	iP'	18 09 03
Jun. 1		
BYR	e(P)	22 29 42
SPA	e(P)	22 29 49
Jun. 1		
BYR	e(P)	23 43 45
	e	44 09
	ePP	47 48
SPA	eP	23 43 14
	ePP	47 15
Jun. 2		
BYR	eP	02 28 46
SPA	eP	02 28 36
Jun. 2		
BYR	eP	04 49 28
	e	49 55

Date and Station	Phase	(GCT) h m s
SPA	eP	04 49 25
	e	49 51
Jun. 2		
BYR	e(P)	05 05 43
	e	07 12
	ePP	10 09
	e	12 29
SPA	e(P)	05 05 07
	ePP	09 09
	e	13 11
Jun. 2		
BYR	e(P)	05 40 57
SPA	e(P)	05 39 52
Jun. 2		
BYR	e(P')	06 03 44
SPA	e(P')	06 02 44
Jun. 2		
BYR	iP	12 56 08
SPA	iP	12 57 00
Jun. 2		
BYR	eP	15 11 02
SPA	e(P)	15 10 52
Jun. 2		
BYR	eP	15 26 05
Jun. 2		
BYR	iP	18 38 15
	iPcP	38 29
SPA	iP	18 38 56
	iPcP	39 09
Jun. 3		
BYR	e(P)	00 03 01
SPA	eP	00 02 24
Jun. 3		
BYR	e(P)	00 45 07
Jun. 3		
SPA	eP	00 37 33
	e	45 03
Jun. 3		
BYR	eP	01 21 11
SPA	eP	01 21 21
Jun. 3		
BYR	eP'	01 32 56
	e	33 11
	e	34 21
SPA	iP'	01 33 05
	i	33 12
Jun. 3		
SPA	eP	02 33 07

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Date and Station	Phase (GCT)	h m s
Jun. 3		
BYR	eP	03 29 40
SPA	iP	03 29 57
Jun. 3		
BYR	iP	03 51 28
SPA	iP	03 51 47
Jun. 3		
BYR	iP	04 32 40
SPA	eP	04 32 15
	i	33 20
Jun. 3		
BYR	eP	06 07 51
SPA	eP	06 07 54
	e	09 31
Jun. 3		
BYR	eP	09 27 12
SPA	eP	09 27 16
Jun. 3		
BYR	eP	11 27 07
Jun. 3		
SPA	e(P)	15 48 41
Jun. 3		
BYR	e(P)	17 38 34
Jun. 3		
BYR	eP	17 56 39
SPA	eP	17 56 18
Jun. 3		
BYR	iP	20 12 14
SPA	eP	20 13 00
Jun. 3		
BYR	eP	20 44 10
SPA	eP	20 44 47
Jun. 3		
BYR	e(P)	21 41 02
Jun. 3		
BYR	iP	22 02 16
SPA	iP	22 02 34
Jun. 4		
BYR	eP	04 03 52
SPA	eP	04 03 21
Jun. 4		
BYR	e(P)	04 50 42
Jun. 4		
BYR	eP	06 35 23
SPA	eP	06 36 16
Jun. 4		
BYR	eP'	07 51 59
	i	52 19
	eSKP	54 47
	e	55 57
	e(S)	08 02 34
SPA	iP'	07 52 02
	ePP	53 44
	e(S)	08 01 53
Jun. 4		
BYR	iP'	08 02 59
SPA	iP'	08 02 51
	eSKS	09 45
Jun. 4		
BYR	eP	08 58 00
SPA	eP	08 57 39
Jun. 4		
BYR	eP	11 06 02
SPA	e(P)	11 07 22
Jun. 4		
BYR	eP	13 28 14
SPA	iP	13 28 41
Jun. 4		
BYR	eP'	14 08 18
	e	10 33
	ePP	10 47
SPA	iP'	14 08 47
	ePP	10 28
Jun. 4		
BYR	e(P)	22 22 32
SPA	e(P)	22 23 00
Jun. 4		
BYR	eP	23 06 00
SPA	eP	23 06 19
Jun. 4		
BYR	e(P')	23 54 46
SPA	eP'	23 54 27
Jun. 5		
SPA	e(P)	02 29 17
Jun. 5		
BYR	eP'	03 50 01
SPA	eP'	03 49 44
Jun. 5		
BYR	iP	03 55 10
SPA	iP	03 55 40
	e	56 41
	epP	57 40
Jun. 5		
BYR	e(P)	05 46 17
	ePcP	46 43
SPA	e(P)	05 46 49
Jun. 5		
BYR	eP	06 18 55
SPA	iP	06 19 16
Jun. 5		
BYR	e(P)	06 44 50
SPA	eP	06 44 53
Jun. 5		
BYR	eP	13 29 41
SPA	e(P)	13 29 51
Jun. 5		
BYR	iP	15 51 47
SPA	iP	15 52 41
Jun. 5		
BYR	iP	17 42 25
	ePcP	42 47
SPA	iP	17 42 27
	iPcP	42 43
Jun. 5		
BYR	e(P)	19 12 10
SPA	e(P)	19 12 15
Jun. 5		
SPA	eP	23 39 01
Jun. 6		
BYR	e(P)	00 06 37
SPA	eP	00 06 15
Jun. 6		
BYR	iP	03 40 06
SPA	eP	03 40 44
Jun. 6		
BYR	e(P)	06 10 07
SFA	e(P)	06 10 14
Jun. 6		
BYR	eP	07 02 55
SPA	eP	07 04 10
Jun. 6		
BYR	iP	08 22 53
	ipP	23 15
SPA	iP	08 23 27
	ipP	23 49
Jun. 6		
SPA	e(P)	08 48 00
Jun. 6		
BYR	eP	10 40 27
SPA	eP	10 40 58
Jun. 6		
BYR	iP	17 33 27
	i	33 34
SPA	iP	17 33 14
	i	33 20
Jun. 6		
BYR	eP	20 38 08
SPA	iP	20 38 22
Jun. 6		
BYR	eP'	21 15 36
SPA	e(P')	21 15 22
Jun. 6		
BYR	eP	23 12 15
	e	12 57
Jun. 6		
BYR	iP	23 52 37
SPA	iP	23 52 52
Jun. 7		
BYR	eP	01 33 38
SPA	eP	01 33 17
Jun. 7		
BYR	e(P)	03 32 18
SPA	eP	03 32 18
Jun. 7		
BYR	eP'	05 22 16
SPA	e(P')	05 22 33
Jun. 7		
BYR	e(P)	10 27 52
Jun. 7		
BYR	e(P)	11 00 15
Jun. 7		
BYR	eP	12 37 01
SPA	eP	12 37 25
Jun. 7		
BYR	eP'	13 27 08
SPA	eP'	13 26 58

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Date and Station	Phase	(GCT)
Jun. 7		h m s
BYR	eP	14 28 12
	ePP	31 27
SPA	iP	14 27 54
	e	29 13
Jun. 7		
BYR	e(P)	15 12 41
SPA	e(P)	15 13 13
Jun. 7		
BYR	iP	15 49 44
SPA	iP	15 49 59
Jun. 7		
SPA	eP	18 50 59
Jun. 7		
BYR	iP	19 31 38
	ePcP	31 46
SPA	iP	19 31 22
	epP	31 52
Jun. 7		
BYR	eP	21 13 09
	e	13 21
SPA	e(P)	21 13 49
Jun. 7		
SPA	eP	21 26 04
Jun. 7		
BYR	iP	22 26 09
SPA	eP	22 26 48
Jun. 7		
BYR	eP	23 05 45
SPA	eP	23 06 20
Jun. 7		
BYR	e(P)	23 30 51
SPA	eP	23 30 28
Jun. 8		
SPA	iP	00 58 13
Jun. 8		
BYR	eP	02 09 22
SPA	eP	02 10 13
Jun. 8		
BYR	e(P)	06 54 24
SPA	e(P)	06 55 43
Jun. 8		
BYR	e(P)	08 49 55
Jun. 8		
BYR	iP	09 05 38
SPA	iP	09 06 13

Date and Station	Phase	(GCT)
Jun. 8		h m s
BYR	e(P)	09 29 31
SPA	e(P)	09 30 05
Jun. 8		
BYR	iP	09 46 19
SPA	iP	09 46 29
Jun. 8		
BYR	iP	15 56 46
	iPcP	56 53
	i	57 25
	e	58 24
SPA	iP	15 56 22
	iPcP	56 28
	i	56 56
	i	57 23
	i	57 51
	ePP	16 02 45
Jun. 8		
BYR	eP	16 36 48
SPA	iP	16 35 43
Jun. 8		
BYR	iP	16 59 57
SPA	iP	16 59 32
Jun. 8		
BYR	e(P)	17 25 50
SPA	e(P)	17 24 43
Jun. 8		
BYR	e(P)	18 19 58
	e	22 20
SPA	e(P)	18 19 11
	e	23 15
Jun. 8		
BYR	e(P)	21 24 40
SPA	e(P)	21 24 27
Jun. 8		
BYR	e(P)	21 41 24
SPA	e(P)	21 41 00
Jun. 9		
BYR	e(P)	00 53 07
SPA	e(P)	00 52 25
Jun. 9		
BYR	eP	04 59 47
Jun. 9		
BYR	eP	06 06 20
SPA	eP	06 07 00
Jun, 9		
BYR	e(P)	08 41 47

Date and Station	Phase	(GCT)
Jun. 9		h m s
BYR	eP'	09 56 09
SPA	eP'	09 55 57
	i	56 15
Jun. 9		
BYR	e(P)	10 09 10
Jun. 9		
BYR	e(P)	13 11 58
SPA	e(P)	13 11 30
Jun. 9		
BYR	eP'	14 41 18
SPA	eP'	14 41 15
Jun. 9		
BYR	iP'	16 01 39
SPA	eP'	16 01 36
Jun. 9		
BYR	eP	17 18 06
SPA	eP	17 17 40
Jun. 9		
BYR	eP	19 04 25
	ePcP	04 35
SPA	iP	19 04 40
	e	04 47
	ePcP	04 50
	esP	05 33
Jun. 9		
BYR	eP	21 40 39
SPA	eP	21 41 00
Jun. 9		
BYR	iP	22 18 36
SPA	iP	22 18 12
	iPcP	18 25
Jun. 10		
BYR	eP	00 30 38
Jun. 10		
BYR	iP	00 50 46
SPA	iP	00 50 57
Jun. 10		
BYR	iP'	06 10 42
	ipP'	11 09
SPA	eP'	06 11 21
Jun. 10		
BYR	eP	07 44 51
	i	45 01
	e	45 50
SPA	eP	07 44 39
	i	44 43
	e	45 19

Date and Station	Phase	(GCT)
Jun. 10		h m s
SPA	e(P)	08 33 25
Jun. 10		
SPA	eP	09 00 20
Jun. 10		
BYR	eP	09 04 56
SPA	eP	09 05 42
	e(PPP)	11 53
Jun. 10		
SPA	eP	09 22 40
Jun. 10		
BYR	eP	11 43 20
SPA	e(P)	11 43 49
Jun. 10		
BYR	iP	11 53 52
	i	54 04
SPA	iP	11 54 38
	i	54 51
Jun. 10		
BYR	e(P')	16 22 03
SPA	eP'	16 22 56
Jun. 10		
BYR	e	16 56 13
Jun. 10		
FYR	e(P)	19 37 14
Jun. 10		
BYR	eP	20 41 26
SPA	iP	20 42 35
	iPcP	43 03
Jun. 10		
BYR	e(P)	21 11 18
SPA	e(P)	21 11 19
Jun. 11		
SPA	eP	00 14 20
Jun. 11		
SPA	eP	01 35 44
	e	44 19
Jun. 11		
SPA	eP	03 40 45
Jun. 11		
BYR	eP'	05 29 29
	i	30 13
	iPP	31 32
	eSKS	37 25
	eSKSP	41 55

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Date and Station	Phase (GCT)	h	m	s
SPA	eP'	05	29	10
	ePP		30	31
	iPPP		33	08
	eSKS		36	44
	ePKKP		39	32
	eSKKP		43	22
Jun. 11				
BYR	eP'	05	48	58
SPA	eP'	05	49	18
	ePKKP		59	34
Jun. 11				
BYR	e(P')	06	12	02
	e		12	19
SPA	e(P')	06	12	17
Jun. 11				
BYR	eP	06	35	26
SPA	iP	06	36	00
Jun. 11				
BYR	e(P)	08	47	37
Jun. 11				
BYR	e(P)	10	30	27
Jun. 11				
SPA	e(P)	10	49	28
Jun. 11				
BYR	e(P')	12	49	25
	e		50	32
SPA	e(P')	12	49	08
	e		50	12
Jun. 11				
BYR	e(P)	14	00	22
SPA	e(P)	14	00	31
Jun. 11				
BYR	eP'	14	17	02
SPA	eP'	14	16	45
Jun. 11				
BYR	iP	14	57	34
SPA	iP	14	58	08
Jun. 11				
BYR	eP'	15	23	08
Jun. 11				
BYR	eP'	17	34	26
Jun. 11				
BYR	e(P)	20	41	19
SPA	eP	20	41	05
Jun. 11				
BYR	iP	22	32	34

Date and Station	Phase (GCT)	h	m	s
SPA	iP	22	33	05
Jun. 12				
BYR	e(P)	02	28	08
SPA	e(P)	02	28	18
Jun. 12				
BYR	e(P)	07	07	26
SPA	eP	07	06	54
Jun. 12				
BYR	iP	07	42	54
	iPcP		44	58
SPA	iP	07	43	05
	iPcP		45	06
Jun. 12				
SPA	eP	08	48	41
Jun. 12				
BYR	iP'	10	17	02
SPA	e(P')	10	16	49
Jun. 12				
BYR	iP	18	05	43
	iPcP		05	53
SPA	iP	18	05	47
	ipP		06	15
Jun. 12				
BYR	e(P)	18	37	57
Jun. 12				
BYR	e(P)	20	30	52
Jun. 12				
BYR	e(P)	22	29	15
Jun. 13				
BYR	eP'	02	43	36
SPA	iP'	02	43	50
Jun. 13				
BYR	eP	03	34	37
SPA	e(P)	03	34	05
	e		34	12
Jun. 13				
BYR	e(P)	04	21	07
Jun. 13				
BYR	eP	07	13	14
SPA	eP	07	13	20
Jun. 13				
BYR	iP	07	27	14
	i		27	26
	e(S)		35	40

Date and Station	Phase (GCT)	h	m	s
SPA	iP	07	26	55
	e		37	05
Jun. 13				
BYR	eP	07	49	55
SPA	e(P)	07	49	35
Jun. 13				
BYR	e(P)	08	03	20
SPA	e(P)	08	03	03
Jun. 13				
BYR	e(P)	08	12	30
SPA	e(P)	08	11	54
Jun. 13				
BYR	e(P)	08	21	05
Jun. 13				
BYR	eP	10	44	21
Jun. 13				
BYR	eP	12	09	09
SPA	eP	12	08	47
Jun. 13				
BYR	iP	13	25	32
	epP		26	17
SPA	iP	13	26	06
	i		26	13
	ipP		26	55
Jun. 13				
BYR	e(P)	14	34	02
SPA	e(P)	14	35	01
Jun. 13				
BYR	eP'	15	35	26
Jun. 13				
BYR	eP	16	55	51
SPA	eP	16	55	31
Jun. 13				
BYR	eP	17	13	22
SPA	e(P)	17	13	21
Jun. 13				
BYR	iP	17	23	27
SPA	iP	17	23	09
Jun. 13				
BYR	eP	18	17	39
SPA	e(P)	18	17	20
Jun. 13				
BYR	eP	20	54	24
SPA	e(P)	20	54	39

Date and Station	Phase (GCT)	h	m	s
Jun. 13				
BYR	e(P)	21	11	43
Jun. 13				
BYR	iP	21	48	13
	epP		48	57
	isP		49	24
SPA	iP	21	48	47
	ipP		49	32
	e		50	30
	iPP		51	19
	ipPP		51	51
Jun. 13				
BYR	eP	22	09	39
SPA	e(P)	22	09	10
Jun. 13				
BYR	e(P)	22	16	52
	i		16	59
SPA	iP	22	16	44
	i		16	53
Jun. 13				
BYR	eP	22	24	17
	e		24	36
SPA	eP	22	24	29
Jun. 13				
BYR	e(P)	22	49	46
SPA	e(P)	22	49	35
Jun. 14				
BYR	eP	00	27	54
SPA	e(P)	00	28	10
Jun. 14				
BYR	e(P')	00	41	03
SPA	e(P')	00	41	22
Jun. 14				
BYR	eP'	01	00	02
SPA	iP'	00	59	46
Jun. 14				
BYR	e(P)	03	12	23
SPA	e(P)	03	12	25
Jun. 14				
BYR	e(P)	03	22	09
Jun. 14				
BYR	eP	03	57	18
Jun. 14				
BYR	e(P)	04	12	52
Jun. 14				
BYR	e(P)	14	18	08

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Date and Station	Phase	(GCT) h	m	s
Jun. 14				
BYR	e(P)	16	46	35
SPA	eP	16	47	14
Jun. 14				
SPA	e(P)	17	32	43
Jun. 14				
BYR	eP	19	01	38
SPA	eP	19	03	06
Jun. 15				
BYR	eP'	00	09	38
Jun. 15				
BYR	e(P)	01	04	12
Jun. 15				
BYR	e(P)	03	39	16
	i		41	52
SPA	e(P)	03	38	45
	i		42	28
Jun. 15				
BYR	e(P')	06	40	34
SPA	eP'	06	40	19
Jun. 15				
SPA	e(P)	07	07	39
Jun. 15				
BYR	eP	09	55	06
SPA	eP	09	56	15
Jun. 15				
SPA	eP	12	28	10
Jun. 15				
SPA	e(P)	16	03	14
Jun. 15				
BYR	e(P)	16	29	34
Jun. 15				
BYR	e(P)	16	36	10
Jun. 15				
BYR	eP	18	56	13
SPA	e(P)	18	56	20
	e		56	49
Jun. 15				
BYR	eP	21	12	06
SPA	e(P)	21	12	16
Jun. 15				
BYR	eP	22	37	09
Jun. 15				
BYR	eP'	22	45	06
SPA	eP'	22	45	25

Date and Station	Phase	(GCT) h	m	s
Jun. 15				
BYR	eP'	23	43	45
	i		43	58
	iSKP		47	11
SPA	eP'	23	43	51
	i		44	01
	iSKP		47	27
Jun. 16				
BYR	e(P')	03	37	14
Jun. 16				
BYR	eP	03	41	39
SPA	iP	03	41	08
Jun. 16				
BYR	e(P)	04	48	45
Jun. 16				
BYR	e(P)	05	19	27
Jun. 16				
BYR	eP	05	58	02
Jun. 16				
BYR	e(P')	06	50	45
	eSKP		54	12
SPA	e(P')	06	51	00
Jun. 16				
BYR	eP	07	16	14
SPA	iP	07	17	07
	ePcP		18	32
Jun. 16				
BYR	eP	07	47	42
SPA	e(P)	07	48	08
Jun. 16				
BYR	e(P)	08	30	20
SPA	e(P)	08	31	11
Jun. 16				
SPA	e(P)	10	39	56
Jun. 16				
BYR	iP	10	44	55
	ipP		45	26
	epPP		48	56
	e		54	37
SPA	iP	10	45	27
	ipP		45	57
	esP		46	06
	i		46	55
	epPP		49	31
	eS		57	01
Jun. 16				
BYR	eP	11	01	26
SPA	eP	11	01	08

Date and Station	Phase	(GCT) h	m	s
Jun. 16				
BYR	e(P')	12	31	26
SPA	e(P')	12	31	21
Jun. 16				
BYR	e(P')	15	18	56
SPA	e(P')	15	18	43
Jun. 16				
BYR	iP	15	56	16
	ipP		56	46
	isP		56	58
SPA	iP	15	56	55
	ipP		57	27
	esP		57	33
Jun. 16				
BYR	eP	16	13	27
SPA	eP	16	13	28
Jun. 16				
BYR	e(P)	18	46	57
Jun. 16				
BYR	e(P)	19	38	24
Jun. 16				
BYR	iP	21	40	08
SPA	eP	21	40	13
Jun. 17				
BYR	e(P)	02	09	16
Jun. 17				
BYR	iP	05	09	34
SPA	iP	05	10	08
Jun. 17				
BYR	e(P')	08	24	55
SPA	eP'	08	24	36
Jun. 17				
BYR	eP	09	41	00
SPA	eP	09	41	10
	iPP		44	05
Jun. 17				
BYR	iP	11	07	53
	i		08	01
	iPcP		08	10
SPA	iP	11	08	33
Jun. 17				
BYR	e(P)	12	44	06
SPA	eP	12	43	23
Jun. 17				
BYR	e(P)	13	16	59
SPA	e(P)	13	17	14

Date and Station	Phase	(GCT) h	m	s
Jun. 17				
BYR	e(P)	15	20	47
	ePP		24	35
SPA	e(P)	15	20	09
	ePP		24	07
Jun. 17				
BYR	iP	15	37	00
	ipP		37	29
	isP		37	43
SPA	iP	15	36	49
	ipP		37	18
	isP		37	31
Jun. 17				
BYR	e(P)	17	00	32
SPA	e(P)	16	59	47
Jun. 17				
BYR	eP	17	47	55
SPA	eP	17	48	56
Jun. 17				
BYR	e(P)	18	21	15
SPA	e(P)	18	21	27
	e		22	27
Jun. 17				
BYR	eP	19	06	26
SPA	eP	19	06	08
Jun. 17				
BYR	eP	21	25	55
SPA	eP	21	25	36
Jun. 17				
BYR	iP	21	59	06
SPA	iP	21	59	36
	ePcP		59	54
	e	22	00	12
Jun. 18				
BYR	iP	00	34	21
SPA	eP	00	34	04
Jun. 18				
BYR	e(P)	02	39	48
Jun. 18				
BYR	iP	03	24	35
	e		25	14
	iScS		34	39
	eP'P'		50	52
SPA	iP	03	24	05
	ipP		26	15
	iPP		27	30
	eS		33	29
	iPKKP		42	15
	eP'P'		50	08

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Date and Station	Phase	(GCT) h m s
Jun. 18		
BYR	eP	03 52 51
SPA	eP	03 52 33
Jun. 18		
BYR	e(P)	04 46 46
SPA	e(P)	04 47 35
Jun. 18		
BYR	eP	05 07 17
SPA	e(P)	05 08 12
Jun. 18		
BYR	e(P)	05 21 44
	e	23 22
Jun. 18		
BYR	eP'	06 45 20
SPA	eP'	06 45 02
Jun. 18		
BYR	eP	08 30 00
SPA	eP	08 29 48
Jun. 18		
SPA	e(P')	11 10 51
Jun. 18		
BYR	iP	13 35 11
SPA	iP	13 34 49
Jun. 18		
BYR	iP	14 04 05
	iPcP	05 03
	ipP	05 29
	isPP	08 19
SPA	iP	14 04 36
	ipP	06 02
	iPPP	08 39
	eS	12 09
	eScS	13 42
Jun. 18		
BYR	e(P)	14 33 47
SPA	e(P)	14 33 16
	e	33 57
Jun. 18		
BYR	eP	16 22 02
SPA	e(P)	16 22 25
Jun. 18		
BYR	eP	16 25 44
SPA	e(P)	16 25 08
Jun. 18		
BYR	e(P)	16 57 00
SPA	e(P)	16 57 34

Date and Station	Phase	(GCT) h m s
Jun. 18		
BYR	iP	17 41 30
SPA	iP	17 42 20
Jun. 18		
SPA	e(P)	20 09 06
Jun. 18		
BYR	eP	22 18 42
	ePP	19 23
SPA	iP	22 20 04
	ePcP	22 43
Jun. 18		
BYR	eP	22 44 51
SPA	iP	22 46 20
Jun. 18		
SPA	eP	23 02 29
Jun. 18		
BYR	eP	23 08 55
SPA	iP	23 10 16
Jun. 19		
BYR	eP	00 12 28
SPA	eP	00 13 50
Jun. 19		
BYR	iP	00 57 13
SPA	iP	00 57 44
Jun. 19		
BYR	e(P)	02 03 08
SPA	e(P)	02 02 40
Jun. 19		
BYR	eP	02 15 05
SPA	e(P)	02 15 08
Jun. 19		
BYR	eP	03 05 04
SPA	e(P)	03 05 01
Jun. 19		
BYR	iP	06 38 32
SPA	iP	06 39 00
Jun. 19		
BYR	eP'	07 57 32
SPA	e(P')	07 57 40
Jun. 19		
BYR	eP'	08 18 45
SPA	e(P')	08 18 51

Date and Station	Phase	(GCT) h m s
Jun. 19		
BYR	eP	10 08 20
	e	14 52
	e	17 10
SPA	e(P)	10 07 12
	e	14 36
	e	17 41
Jun. 19		
BYR	e(P)	10 29 24
SPA	eP	10 29 58
Jun. 19		
SPA	eP	14 49 06
Jun. 19		
SPA	e(P)	16 32 06
Jun. 19		
BYR	eP'	17 23 21
	i	23 36
	epP'	24 11
	eSKP	26 47
	e(sPKS)	28 05
SPA	iP'	17 23 15
	epP'	24 10
	e	31 23
Jun. 19		
SPA	e(P)	18 27 51
Jun. 19		
BYR	eP'	22 36 35
	eSKP	40 15
SPA	iP'	22 36 44
Jun. 20		
BYR	eP	01 10 23
SPA	eP	01 11 09
Jun. 20		
SPA	e(P)	03 35 29
	epP	38 00
Jun. 20		
BYR	eP	04 30 23
	e	30 59
SPA	eP	04 31 13
	e	31 25
Jun. 20		
BYR	eP	05 17 09
SPA	e(P)	05 17 43
Jun. 20		
BYR	e(P)	06 06 25
	e	06 54
Jun. 20		
SPA	eP	06 50 15
Jun. 20		
SPA	e(P)	07 56 24

Date and Station	Phase	(GCT) h m s
Jun. 20		
BYR	eP	09 07 29
	e	07 53
SPA	e(P)	09 07 54
Jun. 20		
BYR	eP	10 29 16
Jun. 20		
BYR	eP	13 36 49
SPA	e(P)	13 36 01
Jun. 20		
BYR	iP	14 37 40
Jun. 20		
BYR	iP	16 09 17
Jun. 20		
BYR	iP	16 44 06
SPA	iP	16 44 19
Jun. 20		
BYR	iP	17 16 16
SPA	eP	17 17 08
Jun. 20		
BYR	eP	22 40 15
Jun. 21		
BYR	e(P)	01 59 26
Jun. 21		
BYR	eP	04 11 07
Jun. 21		
BYR	e(P)	06 17 01
SPA	eP	06 17 38
Jun. 21		
BYR	eP'	06 58 28
SPA	iP'	06 58 07
Jun. 21		
BYR	eP	07 05 00
SPA	e(P)	07 04 43
Jun. 21		
BYR	eP	07 46 02
SPA	eP	07 45 48
	iPcP	46 00
Jun. 21		
BYR	e(P)	08 06 52
Jun. 21		
BYR	eP	16 49 48
Jun. 21		
BYR	eP	18 24 45

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Date and Station	Phase	(GCT)
		h m s
Jun. 21		
BYR	iP	19 20 50
Jun. 21		
SPA	eP'	19 33 19
Jun. 21		
BYR	iP	20 37 42
	ipP	38 30
	e	49 17
SPA	iP	20 37 09
	iPcP	37 19
	i	37 43
	iPP	40 15
	eS	46 48
Jun. 21		
BYR	eP	21 03 21
SPA	e(P)	21 02 47
Jun. 22		
BYR	eP	01 04 44
SPA	e(P)	01 04 50
Jun. 22		
BYR	eP'	01 15 33
	ePP	18 44
SPA	e(P')	01 15 16
Jun. 22		
BYR	iP	01 50 36
	e	53 17
SPA	eP	01 50 56
	e	53 38
Jun. 22		
BYR	eP	02 23 09
	e	29 03
SPA	iP	02 22 56
Jun. 22		
BYR	eP	03 34 00
	e	38 49
SPA	eP	03 34 19
	e	39 10
Jun. 22		
BYR	e(P)	03 59 31
SPA	e(P)	04 01 48
Jun. 22		
BYR	e(P)	05 39 22
Jun. 22		
BYR	iP	05 44 17
SPA	iP	05 44 38
Jun. 22		
BYR	e(P)	07 11 03
	e	12 27
SPA	e(P)	07 11 29
Jun. 22		
BYR	iP	07 54 21
	iPcP	54 45
SPA	eP	07 55 01
Jun. 22		
BYR	e(P')	09 24 19
SPA	e(P')	09 24 23
Jun. 22		
BYR	e(P)	12 21 40
Jun. 22		
BYR	e(P)	16 08 19
Jun. 22		
BYR	eP	20 13 22
Jun. 23		
BYR	e(P)	00 59 35
Jun. 23		
BYR	eP	04 55 00
	e	58 27
SPA	iP	04 55 21
	e	57 54
Jun. 23		
BYR	eP	08 37 00
Jun. 23		
BYR	eP'	09 14 53
SPA	eP'	09 15 10
Jun. 23		
SPA	e(P)	09 27 44
Jun. 23		
BYR	eP'	09 41 40
SPA	eP'	09 42 03
Jun. 23		
BYR	e(P)	10 19 42
	e	22 55
	eP'	23 39
SPA	eP'	10 23 48
Jun. 23		
BYR	eP'	11 23 54
	ipP'	24 19
SPA	eP'	11 23 51
Jun. 23		
BYR	eP'	13 39 35
SPA	e(P')	13 39 16
Jun. 23		
BYR	eP'	16 55 28
SPA	eP'	16 55 08
Jun. 23		
BYR	e(P)	23 43 23
SPA	eP	23 42 19
Jun. 24		
BYR	e(P)	00 48 36
SPA	eP	00 47 32
Jun. 24		
BYR	eP	03 11 00
SPA	eP	03 11 32
Jun. 24		
SPA	eP	04 01 18
Jun. 24		
SPA	eP	07 18 45
Jun. 24		
BYR	eP	09 49 44
SPA	e(P)	09 49 17
Jun. 24		
SPA	iP	10 00 38
Jun. 24		
BYR	e(P)	16 14 37
SPA	e(P)	16 14 25
Jun. 24		
BYR	eP	16 31 46
	ipP	32 35
SPA	iP	16 31 41
	esP	32 45
Jun. 24		
BYR	eP	17 09 06
SPA	eP	17 09 17
Jun. 24		
BYR	e(P)	17 23 29
SPA	e(P)	17 23 33
Jun. 24		
BYR	e(P)	17 57 18
SPA	e(P)	17 57 57
Jun. 24		
BYR	eP	18 41 36
SPA	eP	18 43 02
Jun. 24		
BYR	iP	19 47 20
SPA	iP	19 47 37
	e	48 41
Jun. 25		
BYR	e(P)	00 16 55
Jun. 25		
BYR	eP'	02 48 37
SPA	eP'	02 48 38
Jun. 25		
SPA	eP	03 37 52
Jun. 25		
BYR	e(P)	05 14 01
SPA	e(P)	05 14 54
Jun. 25		
BYR	eP	07 32 08
SPA	e(P)	07 31 34
Jun. 25		
BYR	iP	09 20 02
SPA	iP	09 20 33
	i	20 54
Jun. 25		
BYR	eP	11 11 22
Jun. 25		
BYR	eP	11 53 12
Jun. 25		
BYR	eP'	12 38 02
Jun. 25		
BYR	e(P)	13 02 22
SPA	e(P)	13 02 52
Jun. 25		
BYR	e(P)	13 10 19
SPA	e(P)	13 11 19
Jun. 25		
BYR	eP	16 44 49
SPA	e(P)	16 45 26
Jun. 25		
BYR	e(P')	17 04 50
	e	05 14
SPA	eP'	17 05 16
	e	05 54
Jun. 25		
SPA	eP	18 09 12
Jun. 25		
BYR	eP	19 40 27
	ipP	40 48
	i	41 23

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Date and Station	Phase	(GCT)	h	m	s
			h	m	s
SPA	eP	19	41	16	
	i		41	28	
	iPcP		42	30	
Jun. 26					
BYR	e(P)	02	50	48	
Jun. 26					
BYR	iP	07	13	33	
	i		14	26	
SPA	iP	07	13	54	
Jun. 26					
SPA	eP	12	49	34	
Jun. 26					
SPA	eP	13	14	40	
Jun. 26					
SPA	eP	14	00	04	
Jun. 26					
SPA	eP	15	06	50	
Jun. 27					
SPA	e(P)	00	15	11	
Jun. 27					
SPA	e(P)	01	49	26	
Jun. 27					
BYR	iP	03	19	12	
	e		19	42	
SPA	eP	03	19	51	
Jun. 27					
BYR	e(P')	03	41	27	
SPA	e(P')	03	41	40	
Jun. 27					
BYR	e(P)	04	40	48	
SPA	eP	04	41	23	
Jun. 27					
BYR	eP	05	51	32	
SPA	eP	05	52	12	
Jun. 27					
BYR	e(P')	07	22	33	
	i		22	44	
	e(SKS)		29	57	
SPA	eP'	07	22	26	
	iPP		24	01	
Jun. 27					
BYR	iP'	08	11	47	
	ipP'		13	02	
	iSKP		15	05	
SPA	iP'	08	11	56	
	i		12	01	
	eSKP		15	11	
Jun. 27					
BYR	eP	10	27	07	
SPA	e(P)	10	28	09	
Jun. 27					
BYR	e(P)	10	50	14	
SPA	eP	10	50	53	
Jun. 27					
BYR	eP'	11	04	54	
SPA	eP'	11	04	38	
Jun. 27					
BYR	eP	14	45	15	
SPA	eP	14	45	51	
Jun. 27					
BYR	iP	15	30	28	
SPA	iP	15	31	19	
Jun. 27					
BYR	e(P)	16	45	53	
SPA	e(P)	16	45	34	
Jun. 27					
BYR	eP	20	45	18	
SPA	eP	20	45	16	
Jun. 27					
BYR	e(P)	21	00	44	
SPA	e(P)	21	00	24	
	e		00	35	
Jun. 27					
BYR	eP	02	17	35	
SPA	eP	02	18	15	
Jun. 28					
BYR	eP'	04	41	01	
SPA	iP'	04	40	46	
Jun. 28					
BYR	e(P)	06	13	12	
SPA	e(P)	06	13	06	
Jun. 28					
BYR	eP	06	27	16	
SPA	iP	06	27	53	
Jun. 28					
BYR	e(P)	07	40	22	
SPA	e(P)	07	40	08	
Jun. 28					
BYR	e(P)	11	26	17	
SPA	eP	11	25	05	
Jun. 28					
BYR	eP	13	28	32	
	iPcP		28	41	
SPA	eP	13	27	55	
	e		29	56	
Jun. 28					
BYR	eP	14	23	21	
SPA	e(P)	14	23	55	
Jun. 28					
BYR	eP	14	58	43	
SPA	iP	14	59	14	
Jun. 28					
BYR	e(P)	17	49	33	
SPA	e(P)	17	49	21	
Jun. 28					
SPA	eP	20	27	56	
Jun. 28					
BYR	e(P)	20	45	49	
SPA	eP	20	46	20	
Jun. 29					
BYR	eP	01	25	32	
SPA	eP	01	25	19	
Jun. 29					
BYR	iP	03	30	31	
SPA	eP	03	31	10	
Jun. 29					
BYR	eP	05	08	08	
SPA	e(P)	05	07	54	
Jun. 29					
BYR	e(P)	06	37	47	
Jun. 29					
BYR	iP	09	34	29	
	eS		43	42	
SPA	iP	09	34	44	
	iPcP		35	04	
	e		35	57	
	eS		44	38	
Jun. 29					
BYR	e(P)	10	29	25	
SPA	e(P)	10	29	08	
Jun. 29					
BYR	eP	10	33	38	
SPA	eP	10	34	05	
Jun. 29					
BYR	eP	11	10	07	
Jun. 29					
BYR	eP	11	48	38	
	e		52	42	
SPA	e(P)	11	48	54	
Jun. 29					
BYR	eP'	14	21	51	
	epP'		22	14	
SPA	eP'	14	22	02	
	epP'		22	29	
Jun. 29					
BYR	e(P)	15	22	40	
SPA	e(P)	15	22	53	
Jun. 29					
BYR	eP	15	51	03	
SPA	iP	15	51	18	
Jun. 29					
BYR	eP	16	50	48	
	e		54	11	
	e		54	40	
SPA	e(P)	16	51	06	
	e		55	02	
Jun. 29					
BYR	e(P)	17	16	31	
	e		25	05	
SPA	eP	17	17	08	
Jun. 29					
BYR	e(P)	18	28	14	
SPA	e(P)	18	28	02	
Jun. 29					
BYR	e(P)	20	02	37	
SPA	eP	20	03	13	
Jun. 29					
BYR	iP	20	38	18	
	e		39	14	
	e		44	45	
SPA	iP	20	38	01	
	i		38	11	
	i		38	46	
Jun. 29					
BYR	eP	21	27	38	
SPA	eP	21	28	16	
Jun. 29					
BYR	e(P)	22	57	22	
SPA	e(P)	22	57	05	
Jun. 30					
BYR	e(P)	00	08	30	

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Jun. 30											
BYR	eP	01 34 45									
Jun. 30											
SPA	e(P)	01 50 55									
Jun. 30											
BYR	e(P)	02 49 50									
SPA	eP	02 50 29									
Jun. 30											
BYR	e(P)	04 28 33									
SPA	iP	04 29 06									
Jun. 30											
BYR	e(P)	04 55 06									
SPA	eP	04 54 43									
Jun. 30											
BYR	eP	06 36 02									
SPA	eP	06 35 26									
Jun. 30											
BYR	e(P)	07 57 23									
SPA	e(P)	07 57 37									
Jun. 30											
BYR	iP	08 44 58									
SPA	eP	08 45 58									
Jun. 30											
BYR	e(P)	16 54 24									
SPA	e(P)	16 54 40									
Jun. 30											
BYR	iP	17 23 48									
Jun. 30											
BYR	iP	19 03 44									
	ipP	04 29									
SPA	iP	19 03 25									
	eP'P'	29 16									
Jun. 30											
BYR	eP	19 57 05									
SPA	eP	19 56 46									
Jun. 30											
BYR	e(P)	21 29 00									
SPA	e(P)	21 29 11									

SEISMOLOGICAL BULLETIN

International Seismological Centre

SOUTH POLE – BYRD SUPPLEMENT

July - Sept. 1961

MSI – 244A

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U. S. DEPARTMENT OF COMMERCE

John T. Connor, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

Robert M. White, Administrator

COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Director

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International Seismological Centre

SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

July-September, 1961

The instrumental results tabulated in this supplement are from the following seismographic stations.

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Components	To (Sec.)	Tg (Sec.)	Time Scale
South Pole (SPA)	90°S.	0°	1995 meters of ice	2800 meters	Benioff Paper Wilson-Lamison (120°E. 60°W.)	Z	1.6	0.5	60mm/min.
In Charge: Terry Hardiman					Horizontal Film.		5.6	0.48	15mm/min.
Byrd (BYR)	80°01'S.	119°31'W.	2570 meters of ice	1515 meters	Benioff	Z	1.2	0.5	60mm/min.
In Charge: Leroy Pankratz					Wilson-Lamison with G. E. Galvo.	N	6.2	3.5	30mm/min.
					Wilson-Lamison with G. E. Galvo.	E	7.2	3.5	30mm/min.

These stations were first established by the Coast and Geodetic Survey for the IGY to provide additional control for locating teleseismic epicenters in regions inadequately covered by previously existing stations and to provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

International Seismological Centre

Date and Station		Phase	h	m	s
Jul. 1					
BYR	eP'		00	21	56.0
SPA	eP'		00	22	11.0
Jul. 1					
BYR	eP		02	00	04.0
SPA	eP		02	00	40.0
Jul. 1					
BYR	iP		03	04	16.0
Jul. 1					
SPA	eP		03	18	57.0
Jul. 1					
BYR	eP		04	00	08.0
SPA	iP		04	00	27.0
Jul. 1					
BYR	eP		04	04	05.0
SPA	eP		04	04	20.0
Jul. 1					
BYR	e(P)		04	28	19.0
	i			28	29.0
Jul. 1					
SPA	iP		07	18	47.0
Jul. 1					
BYR	eP		08	06	07.0
	e			06	14.0
Jul. 1					
BYR	eP'		08	18	45.0
	epP			19	23.0
Jul. 1					
BYR	eP		10	49	44.0
SPA	eP		10	50	01.0
Jul. 1					
BYR	eP		11	52	11.0
SPA	iP		11	52	09.0
Jul. 1					
BYR	eP		13	21	34.0
	epP			21	47.0
SPA	iP		13	22	37.0
Jul. 1					
BYR	iP		13	43	11.0
Jul. 1					
BYR	eP		16	08	48.0
	e			10	59.0
Jul. 1					
BYR	iP		19	00	58.0
SPA	iP		19	01	28.0

Date and Station		Phase	h	m	s
Jul. 1					
BYR	eP		21	19	55.0
SPA	eP		21	20	29.0
Jul. 1					
SPA	eP		22	34	14.0
Jul. 1					
BYR	eP'		24	03	30.0
SPA	eP'		24	03	38.0
Jul. 2					
BYR	eP		01	52	45.0
SPA	eP		01	53	15.0
Jul. 2					
BYR	eP'		02	26	15.0
	epP			26	39.0
SPA	eP'		02	26	15.0
Jul. 2					
SPA	e(P)		04	27	06.0
Jul. 2					
SPA	eP		05	13	50.0
Jul. 2					
BYR	eP		05	25	43.0
SPA	eP		05	25	22.0
Jul. 2					
SPA	iP		08	56	06.0
Jul. 2					
BYR	iP'		10	28	50.0
Jul. 2					
BYR	iP		11	54	12.0
	epP			54	41.0
SPA	iP		11	54	47.0
Jul. 2					
BYR	eP		14	08	57.0
SPA	eP		14	09	53.0
Jul. 2					
BYR	eP		16	45	06.0
	e			48	34.0
SPA	eP		16	45	14.0
Jul. 2					
BYR	eP		16	58	56.0
Jul. 2					
BYR	eP		17	52	31.0
Jul. 2					
BYR	iP		21	31	35.0
SPA	iP		21	32	33.0

Date and Station		Phase	h	m	s
Jul. 2					
BYR	iP		21	36	00.0
Jul. 3					
SPA	iP		01	26	14.0
Jul. 3					
BYR	eP		02	52	10.0
Jul. 3					
BYR	eP		06	37	28.0
SPA	eP		06	37	59.0
Jul. 3					
BYR	e(P)		07	08	37.0
SPA	e(P)		07	09	08.0
Jul. 3					
BYR	eP		07	21	07.0
SPA	eP		07	21	28.0
Jul. 3					
BYR	iP		08	38	19.0
SPA	iP		08	38	59.0
Jul. 3					
BYR	iP		15	00	59.0
	epP			01	16.0
	e			01	47.0
SPA	iP		15	01	42.0
	epP			01	59.0
Jul. 3					
BYR	eP		17	52	12.0
Jul. 3					
SPA	eP		19	07	47.0
Jul. 3					
SPA	eP		21	37	36.0
Jul. 3					
SPA	eP		22	01	42.0
Jul. 3					
BYR	eP'		23	33	19.0
Jul. 4					
BYR	eP		00	18	39.0
Jul. 4					
BYR	eP		02	15	54.0
Jul. 4					
SPA	eP		02	31	11.0
Jul. 4					
BYR	iP		05	04	23.0
SPA	eP		05	05	57.0
Jul. 4					
SPA	eP'		05	15	13.0

Date and Station		Phase	h	m	s
Jul. 4					
BYR	iP'		06	29	02.0
SPA	iP'		06	29	01.0
Jul. 4					
BYR	eP		06	40	12.0
SPA	eP		06	40	14.0
Jul. 4					
BYR	eP		08	31	38.0
SPA	iP		08	31	56.0
Jul. 4					
SPA	iP		08	38	31.0
	e			39	03.0
Jul. 4					
BYR	e(P)		08	41	50.0
Jul. 4					
SPA	e(P)		08	54	18.0
Jul. 4					
SPA	eP		12	16	50.0
Jul. 4					
BYR	iP		13	30	32.0
Jul. 4					
BYR	iP		13	33	43.0
Jul. 4					
BYR	eP'		14	32	41.0
Jul. 4					
BYR	eP'		14	50	08.0
Jul. 4					
SPA	eP		17	28	49.0
Jul. 4					
BYR	eP		19	24	50.0
SPA	eP		19	24	36.0
Jul. 4					
BYR	eP		20	05	30.0
Jul. 5					
BYR	iP		00	07	35.0
Jul. 5					
BYR	e(P)		01	17	11.0
Jul. 5					
BYR	iP		02	15	23.0
SPA	e(P)		02	15	08.0
Jul. 5					
BYR	eP		02	35	16.0
	eS			40	47.0
SPA	iP		02	35	05.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Jul. 5			Jul. 6						Jul. 8		
BYR	eP	03 21 55.0	BYR	iP	22 20 18.0	SPA	iP	13 23 12.0	BYR	iP	03 36 10.0
				eS	28 06.0						
Jul. 5						Jul. 7			SPA	eP	03 36 30.0
BYR	eP	04 07 29.0	SPA	iP	22 20 38.0	BYR	iP	14 52 38.0			
									Jul. 8		
Jul. 5			Jul. 6			SPA	iP	14 52 56.0	BYR	eP	06 00 53.0
BYR	e(P)	04 39 16.0	SPA	iP	23 17 23.0						
						Jul. 7			SPA	eP	06 01 33.0
Jul. 5			Jul. 6			BYR	eP	15 39 10.0			
BYR	e(P)	06 07 08.0	SPA	iP	23 47 26.0				Jul. 8		
						SPA	iP	15 39 37.0	BYR	iP	07 43 28.0
SPA	iP	06 07 01.0	Jul. 7								
			BYR	e(P)	01 05 58.0	Jul. 7			Jul. 8		
Jul. 5						BYR	iP'	15 47 48.0	BYR	e(P)	08 17 15.0
BYR	eP'	06 53 50.0	Jul. 7				iPP	51 19.0			
			SPA	e	02 13 19.0				Jul. 8		
SPA	eP'	06 53 39.0				SPA	eP'	15 47 46.0	BYR	e(P)	08 50 57.0
	e	59 38.0	Jul. 7								
			BYR	eP'	02 22 00.0	Jul. 7			Jul. 8		
Jul. 5						BYR	e(P)	16 15 53.0	BYR	iP	09 12 27.0
BYR	e(P)	07 02 48.0	SPA	iP'	02 22 27.0						
						Jul. 7			SPA	iP	09 11 57.0
Jul. 5			Jul. 7			BYR	eP'	17 20 41.0			
BYR	e(P)	07 17 51.0	BYR	eP	03 32 30.0				Jul. 8		
						Jul. 7			BYR	e(P)	11 01 49.0
Jul. 5			SPA	iP	03 32 47.0	SPA	iP	17 47 07.0			
SPA	e(P)	07 36 17.0							Jul. 8		
			Jul. 7			Jul. 7			BYR	e(P)	12 27 28.0
Jul. 5			SPA	e(P)	04 56 21.0	BYR	eP	20 41 16.0			
BYR	eP	08 28 32.0							Jul. 8		
			Jul. 7			SPA	eP	20 41 35.0	BYR	eP	14 22 23.0
Jul. 5			BYR	eP	06 09 04.0						
SPA	eP'	08 36 37.0				Jul. 7			Jul. 8		
			SPA	eP	06 09 06.0	BYR	iP	21 41 18.0	BYR	eP	15 03 51.0
Jul. 5											
BYR	eP	11 50 01.0	Jul. 7			Jul. 7			SPA	eP	15 04 10.0
			BYR	eP	06 38 38.0	BYR	eP	22 30 21.0			
Jul. 5				e	40 43.0				Jul. 8		
SPA	iP	23 43 12.0				SPA	iP	22 30 40.0	BYR	iP	15 19 24.0
			Jul. 7								
Jul. 6			BYR	eP	07 53 27.0	Jul. 7			SPA	iP	15 19 43.0
SPA	e(P)	00 58 29.0				BYR	eP	22 58 43.0			
			Jul. 7						Jul. 8		
Jul. 6			BYR	iP	07 54 17.0	Jul. 7			BYR	eP	15 45 29.0
SPA	eP	03 55 15.0				BYR	eP	22 59 13.0			
			SPA	iP	07 54 19.0				SPA	iP	15 45 48.0
Jul. 6						SPA	iP	22 59 48.0			
SPA	eP	08 12 42.0	Jul. 7						Jul. 8		
			BYR	iP	09 24 15.0	Jul. 7			BYR	iP	15 51 04.0
Jul. 6						BYR	eP	23 53 46.0		e	56 52.0
SPA	e(P)	08 47 16.0	Jul. 7								
			BYR	e(P)	10 02 58.0	SPA	eP	23 54 05.0	Jul. 8		
Jul. 6									SPA	e(P)	16 13 49.0
SPA	iP	16 20 46.0	SPA	eP	10 01 50.0	Jul. 8					
						BYR	e(P)	01 55 28.0	Jul. 8		
Jul. 6			Jul. 7						BYR	e(P)	16 35 36.0
SPA	iP	18 46 03.0	BYR	eP	12 39 18.0	Jul. 8					
						BYR	eP	02 02 43.0	SPA	e(P)	16 35 58.0
Jul. 6			Jul. 7								
SPA	e(P)	19 08 17.0	BYR	iP	12 44 30.0	Jul. 8			Jul. 8		
						BYR	eP	02 46 18.0	BYR	eP	16 44 49.0
Jul. 6			SPA	iP	12 44 49.0		eP'P'	03 14 29.0			
SPA	e(P)	19 36 34.0							SPA	eP	16 45 10.0
			Jul. 7			SPA	iP	02 46 28.0			
Jul. 6			BYR	eP	13 23 13.0				Jul. 8		
SPA	e(P)	19 56 24.0		iS	33 38.0	Jul. 8			BYR	iP	18 18 47.0
						SPA	eP	03 29 43.0			

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Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
Jul. 8		h m s	Jul. 9		h m s	Jul. 11		h m s			h m s
BYR	eP	19 08 09.0	BYR	eP'	17 05 19.0	BYR	eP	09 46 00.0	SPA	eP	17 52 55.0
SPA	e(P)	19 08 46.0	SPA	eP'	17 05 27.0	Jul. 11			Jul. 12		
Jul. 8			Jul. 9			BYR	eP	09 49 55.0	BYR	eP	20 55 53.0
BYR	eP	19 20 30.0	SPA	eP	19 51 09.0	Jul. 11			Jul. 12		
SPA	eP	19 20 49.0	Jul. 9			BYR	eP	10 01 26.0	BYR	e(P)	21 28 03.0
Jul. 8			BYR	eP	22 23 04.0	Jul. 11			Jul. 12		
BYR	e(P)	20 03 12.0	SPA	eP	22 23 42.0	BYR	eP	10 55 47.0	BYR	e(P)	22 48 22.0
SPA	e(P)	20 03 32.0	Jul. 10			Jul. 11				e	50 32.0
Jul. 8			BYR	eP	03 42 07.0	BYR	iP	16 37 08.0	Jul. 12		
BYR	eP	20 40 01.0	Jul. 10			SPA	iP	16 37 43.0	BYR	eP	22 57 59.0
Jul. 8			BYR	iP	04 00 27.0	Jul. 11			Jul. 13		
BYR	eP	21 24 46.0	SPA	iP	04 01 06.0	BYR	iP	18 47 47.0	BYR	iP	01 35 14.0
SPA	iP	21 25 07.0	Jul. 10			SPA	iP	18 47 26.0	SPA	iP	01 35 10.0
Jul. 8			BYR	eP	05 10 00.0	Jul. 12			Jul. 13		
BYR	eP	21 53 13.0	Jul. 10			SPA	eP	00 37 05.0	SPA	e(P)	04 48 21.0
Jul. 8			BYR	eP	12 12 19.0	Jul. 12			Jul. 13		
BYR	iP	21 59 34.0	SPA	iP	12 12 20.0	BYR	eP	01 51 04.0	SPA	e(P)	05 46 22.0
SPA	iP	21 59 53.0	Jul. 10			Jul. 12			Jul. 13		
Jul. 8			BYR	eP	12 26 17.0	BYR	eP	03 04 29.0	BYR	e(P)	07 17 58.0
BYR	iP	22 23 41.0	Jul. 10			Jul. 12			Jul. 13		
SPA	iP	22 24 18.0	SPA	e(P)	13 42 12.0	BYR	eP	05 00 55.0	BYR	eP	07 19 59.0
Jul. 8			Jul. 10			SPA	iP	05 00 38.0	Jul. 13		
BYR	e(P)	22 37 28.0	SPA	eP	14 02 28.0	Jul. 12			SPA	eP	07 30 34.0
Jul. 9			Jul. 10			BYR	e(P)	09 10 56.0	Jul. 13		
SPA	iP	01 53 38.0	BYR	eP	14 30 43.0	Jul. 12			SPA	eP'	09 47 39.0
Jul. 9			SPA	eP	14 31 08.0	BYR	e(P)	12 16 24.0	Jul. 13		
BYR	eP	06 46 16.0	Jul. 10			Jul. 12			SPA	eP	10 11 26.0
Jul. 9			SPA	iP	17 26 48.0	SPA	eP	13 00 59.0	Jul. 13		
BYR	eP	07 36 07.0	Jul. 10			Jul. 12			BYR	iP	10 44 30.0
SPA	eP	07 36 26.0	BYR	iP	17 33 47.0	BYR	eP'	13 49 12.0	SPA	iP	10 44 31.0
Jul. 9			SPA	eP	17 33 29.0	SPA	eP'	13 49 16.0	Jul. 13		
SPA	e(P)	07 46 50.0	Jul. 10			Jul. 12			BYR	iP	11 27 17.0
Jul. 9			BYR	iP	21 18 59.0	BYR	eP	14 47 27.0	SPA	eP	11 27 13.0
BYR	eP'	08 24 45.0	Jul. 10			SPA	iP	14 47 49.0	Jul. 13		
SPA	eP'	08 24 25.0	SPA	eP	23 09 42.0	Jul. 12			BYR	eP	11 39 09.0
Jul. 9			Jul. 11			BYR	eP	16 20 51.0	Jul. 13		
BYR	eP	09 20 33.0	BYR	iP'	01 40 27.0	SPA	eP	16 21 07.0	BYR	eP	12 18 25.0
SPA	iP	09 21 22.0	Jul. 11			Jul. 12			Jul. 13		
Jul. 9			BYR	iP	01 49 36.0	BYR	iP	17 27 22.0	BYR	iP	13 55 31.0
BYR	iP	14 13 55.0	SPA	iP	01 50 06.0	SPA	iP	17 28 15.0	SPA	iP	13 56 06.0
SPA	e(P)	14 14 21.0	Jul. 11			Jul. 12			Jul. 13		
			BYR	iP	05 55 15.0	BYR	eP	17 51 58.0	SPA	iP	15 07 57.0
			Jul. 11						Jul. 13		
			BYR	eP	08 15 04.0				SPA	eP'	22 03 08.0

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Date and Station	Phase	(GCT) h m s
Jul. 13		
BYR	eP	22 19 24.0
SPA	iP	22 19 55.0
Jul. 14		
BYR	eP	01 19 39.0
Jul. 14		
SPA	e(P)	01 30 38.0
Jul. 14		
BYR	eP	03 46 30.0
SPA	eP	03 47 01.0
Jul. 14		
BYR	eP	09 04 48.0
SPA	eP	09 04 19.0
Jul. 14		
BYR	eP	10 13 59.0
Jul. 14		
BYR	eP	10 54 00.0
Jul. 14		
SPA	e(P)	16 54 08.0
Jul. 14		
BYR	eP	20 01 27.0
Jul. 15		
BYR	e(P)	00 32 15.0
Jul. 15		
BYR	eP	00 47 30.0
Jul. 15		
SPA	e(P)	00 51 02.0
Jul. 15		
BYR	eP	04 03 18.0
SPA	eP	04 03 56.0
Jul. 15		
BYR	e(P)	05 10 10.0
Jul. 15		
BYR	eP'	06 02 18.0
SPA	eP'	06 02 29.0
Jul. 15		
SPA	iP	06 14 57.0
Jul. 15		
BYR	eP	08 04 00.0
SPA	iP	08 03 45.0
Jul. 15		
SPA	e(P)	10 21 52.0
SPA	e(P)	11 39 30.0

Date and Station	Phase	(GCT) h m s
Jul. 15		
BYR	eP	12 07 05.0
SPA	eP	12 06 49.0
Jul. 15		
BYR	iP	13 07 25.0
Jul. 15		
SPA	iP	14 06 58.0
Jul. 15		
SPA	e(P)	14 25 17.0
Jul. 15		
SPA	iP	14 37 49.0
Jul. 15		
BYR	e(P)	15 00 15.0
Jul. 15		
BYR	iP	15 27 46.0
Jul. 15		
SPA	eP	18 58 47.0
Jul. 15		
SPA	eP	20 26 51.0
Jul. 15		
BYR	iP	20 43 11.0
SPA	iP	20 43 42.0
Jul. 16		
BYR	e(P)	00 15 30.0
Jul. 16		
SPA	iP'	01 07 38.0
Jul. 16		
BYR	iP	02 03 59.0
Jul. 16		
SPA	eP	02 44 19.0
Jul. 16		
BYR	iP	02 59 07.0
Jul. 16		
BYR	iP	05 33 03.0
SPA	iP	05 33 38.0
Jul. 16		
BYR	iP	06 07 51.0
Jul. 16		
BYR	e(P)	06 40 25.0
Jul. 16		
SPA	iP	06 58 25
Jul. 16		
BYR	eP'	09 23 29.0
SPA	eP'	09 23 18.0

Date and Station	Phase	(GCT) h m s
Jul. 16		
SPA	iP	14 12 31.0
Jul. 16		
BYR	e(P)	15 44 27.0
Jul. 16		
BYR	iP	18 19 03.0
Jul. 16		
BYR	eP	20 09 03.0
SPA	iP	20 09 40.0
Jul. 16		
BYR	eP'	21 27 56.0
SPA	iP'	21 28 01.0
Jul. 16		
BYR	iP	21 29 08.0
Jul. 16		
BYR	iP	23 13 27.0
SPA	iP	23 13 58.0
Jul. 16		
BYR	eP	23 41 02.0
Jul. 17		
BYR	e(P)	01 14 42.0
Jul. 17		
BYR	eP'	05 32 26.0
SPA	iP'	05 32 07.0
Jul. 17		
BYR	eP	09 19 18.0
SPA	eP	09 19 21.0
Jul. 17		
BYR	eP	09 22 42.0
Jul. 17		
BYR	eP	09 26 11.0
SPA	iP	09 27 01.0
Jul. 17		
BYR	eP	11 18 52.0
Jul. 17		
BYR	eP	12 45 20.0
SPA	e(P)	12 45 12.0
Jul. 17		
BYR	e(P)	13 45 05.0
Jul. 17		
BYR	eP	14 01 21.0
SPA	e(P)	14 01 12.0

Date and Station	Phase	(GCT) h m s
Jul. 17		
BYR	e(P)	14 15 59.0
Jul. 17		
BYR	eP'	15 12 48.0
Jul. 17		
BYR	iP	15 17 39.0
SPA	iP	15 17 31.0
Jul. 17		
BYR	eP	15 29 23.0
Jul. 17		
BYR	eP	15 45 43.0
Jul. 17		
BYR	e(P)	16 30 18.0
Jul. 17		
SPA	eP'	16 39 15.0
Jul. 17		
BYR	e(P)	17 03 14.0
Jul. 17		
BYR	eP	17 20 49.0
SPA	eP	17 20 47.0
Jul. 18		
BYR	eP	01 18 40.0
SPA	eP	01 18 33.0
Jul. 18		
BYR	iP	01 21 11.0
	e	21 24.0
Jul. 18		
BYR	eP	06 51 27.0
Jul. 18		
BYR	eP	07 26 42.0
SPA	eP	07 27 18.0
Jul. 18		
SPA	iP	10 23 20.0
Jul. 18		
BYR	iP	11 58 04.0
SPA	eP	11 58 06.0
Jul. 18		
BYR	eP	13 16 20.0
SPA	iP	13 16 00.0
Jul. 18		
BYR	eP	14 19 11.0
	iP'	22 27.0
SPA	eP	14 19 23.0
	iP'	22 26.0

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Date and Station	Phase	(GCT)	h	m	s
Jul. 18					
BYR	eP		14	39	53.0
SPA	e(P)		14	39	10.0
Jul. 18					
BYR	iP'		14	52	57.0
Jul. 18					
BYR	eP'		15	35	08.0
Jul. 18					
BYR	eP		15	38	51.0
SPA	eP		15	38	20.0
Jul. 18					
BYR	e(P)		16	11	43.0
Jul. 18					
BYR	iP		16	32	25.0
	e			39	01.0
SPA	iP		16	30	05.0
Jul. 18					
BYR	eP'		17	07	31.0
	e			07	52.0
SPA	eP'		17	07	26.0
Jul. 18					
BYR	e(P)		17	54	37.0
SPA	e(P)		17	56	26.0
Jul. 18					
BYR	eP'		18	52	31.0
Jul. 18					
BYR	eP'		19	48	03.0
Jul. 19					
BYR	eP'		00	01	30.0
Jul. 19					
BYR	e(P)		00	32	58.0
Jul. 19					
BYR	iP		01	58	14.0
Jul. 19					
BYR	iP		03	57	20.0
SPA	iP		03	57	02.0
Jul. 19					
BYR	e(P)		06	40	40.0
Jul. 19					
BYR	eP'		06	52	14.0
SPA	eP'		06	52	09.0
Jul. 19					
BYR	eP		08	02	48.0

Date and Station	Phase	(GCT)	h	m	s
Jul. 19					
BYR	e(P)		08	20	32.0
Jul. 19					
BYR	iP		09	29	35.0
SPA	iP		09	30	14.0
Jul. 19					
BYR	e(P)		10	23	12.0
Jul. 19					
BYR	eP'		10	54	37.0
SPA	eP'		10	54	34.0
Jul. 19					
BYR	iP'		12	17	39.0
	ePKKP			27	31.0
SPA	iP'		12	17	33.0
Jul. 19					
BYR	eP		16	37	44.0
SPA	eP		16	38	02.0
Jul. 19					
BYR	iP		18	11	02.0
SPA	iP		18	11	39.0
Jul. 19					
BYR	iP		18	36	09.0
SPA	iP		18	36	40.0
Jul. 19					
SPA	eP		19	25	33.0
Jul. 19					
SPA	iP		19	43	18.0
Jul. 19					
BYR	eP'		20	04	24.0
Jul. 19					
BYR	eP		22	17	34.0
SPA	eP		22	17	13.0
Jul. 19					
SPA	eP'		22	56	00.0
Jul. 19					
SPA	eP'		23	20	06.0
Jul. 20					
BYR	eP		02	18	16.0
SPA	eP		02	17	59.0
Jul. 20					
BYR	eP		02	30	39.0
Jul. 20					
SPA	eP		02	38	09.0

Date and Station	Phase	(GCT)	h	m	s
Jul. 20					
BYR	eP'		03	23	35.0
SPA	eP'		03	23	30.0
Jul. 20					
BYR	e(P)		05	08	05.0
Jul. 20					
SPA	e(P)		07	41	36.0
Jul. 20					
BYR	eP		09	15	20.0
SPA	eP		09	15	39.0
Jul. 20					
BYR	iP'		09	21	34.0
	ePKKP			31	30.0
SPA	eP'		09	21	28.0
Jul. 20					
SPA	eP		11	31	40.0
Jul. 20					
BYR	iP		13	28	27.0
SPA	eP		13	29	04.0
Jul. 20					
BYR	e(P)		14	50	51.0
Jul. 20					
BYR	iP		15	20	32.0
SPA	iP		15	21	01.0
Jul. 20					
BYR	eP		16	50	51.0
SPA	eP		16	50	10.0
Jul. 20					
BYR	eP		16	53	27.0
Jul. 20					
BYR	eP		17	31	50.0
SPA	eP		17	32	23.0
Jul. 20					
SPA	iP		17	39	56.0
Jul. 20					
BYR	iP		18	39	18.0
Jul. 20					
BYR	iP		20	08	20.0
SPA	iP		20	07	16.0
Jul. 20					
BYR	iP		20	23	48.0
Jul. 20					
BYR	iP'		23	12	30.0

Date and Station	Phase	(GCT)	h	m	s
SPA	eP'		23	12	13.0
Jul. 21					
BYR	iP		00	58	30.0
SPA	iP		00	59	00.0
Jul. 21					
BYR	iP		01	21	02.0
SPA	iP		01	21	24.0
Jul. 21					
BYR	iP		02	01	39.0
	e			02	43.0
SPA	iP		02	01	19.0
Jul. 21					
BYR	iP		07	55	47.0
SPA	iP		07	56	02.0
Jul. 21					
BYR	eP		08	16	52.0
SPA	eP		08	18	30.0
Jul. 21					
BYR	eP		10	35	36.0
SPA	eP		10	36	52.0
Jul. 21					
BYR	iP		11	10	41.0
SPA	iP		11	11	19.0
Jul. 21					
SPA	iP		13	08	26.0
Jul. 21					
BYR	eP		13	18	07.0
Jul. 21					
BYR	eP		14	12	27.0
SPA	eP		14	14	04.0
Jul. 21					
SPA	eP		15	09	42.0
Jul. 21					
BYR	eP		15	26	50.0
SPA	eP		15	28	20.0
Jul. 21					
BYR	eP		17	12	34.0
Jul. 21					
SPA	eP		17	23	58.0
Jul. 21					
BYR	e		17	27	24.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Jul. 21			Jul. 22								
BYR	eP'	18 16 44.0	SPA	iP	18 09 19.0	SPA	eP	15 21 27.0	SPA	iP	02 06 18.0
SPA	iP'	18 17 27.0	Jul. 22			Jul. 23			Jul. 24		
Jul. 21			BYR	iP	18 19 52.0	BYR	eP	15 39 57.0	SPA	iP	02 10 15.0
BYR	eP'	19 09 46.0	SPA	iP	18 19 28.0	SPA	iP	15 40 14.0	Jul. 24		
Jul. 21			Jul. 22			Jul. 23			BYR	iP	02 19 32.0
BYR	eP	19 15 41.0	SPA	eP	19 33 07.0	BYR	iP	15 41 19.0	SPA	iP	02 20 10.0
SPA	iP	19 16 14.0	Jul. 22			Jul. 23			Jul. 24		
Jul. 21			SPA	eP'	21 12 24.0	BYR	eP	15 58 27.0	BYR	e(P)	02 24 52.0
SPA	eP	22 05 15.0	Jul. 23			Jul. 23			Jul. 24		
Jul. 21			BYR	iP	05 57 48.0	BYR	iP	17 53 25.0	BYR	eP	03 04 19.0
BYR	eP	22 11 56.0	SPA	eP	05 58 25.0	Jul. 23			SPA	eP	03 04 37.0
Jul. 21			Jul. 23			BYR	eP	20 35 04.0	Jul. 24		
BYR	eP'	22 58 49.0	BYR	e(P)	07 01 46.0	SPA	eP	20 34 40.0	SPA	eP	03 18 21.0
SPA	eP'	22 58 43.0	Jul. 23			Jul. 23			Jul. 24		
Jul. 22			BYR	e(P)	07 24 07.0	BYR	eP	21 56 50.0	SPA	eP	03 26 19.0
BYR	eP	02 52 35.0	Jul. 23			Jul. 23			Jul. 24		
Jul. 22			SPA	eP	08 37 01.0	BYR	iP	22 02 11.0	BYR	iP	03 49 40.0
BYR	e(P)	05 05 26.0	Jul. 23				eS	11 19.0	SPA	eP	03 50 31.0
	e	06 18.0	BYR	e(P)	10 23 18.0		eSS	15 59.0	Jul. 24		
Jul. 22			Jul. 23			SPA	iP	22 02 29.0	SPA	eP	03 52 24.0
BYR	eP	05 31 06.0	SPA	e(P)	10 53 17.0		eS	11 40.0	Jul. 24		
SPA	eP	05 31 35.0	Jul. 23			Jul. 23			BYR	eP	03 55 52.0
Jul. 22			BYR	iP	11 26 47.0	BYR	eP	22 25 48.0	SPA	iP	03 56 10.0
SPA	eP	05 52 48.0	Jul. 23			Jul. 23			Jul. 24		
Jul. 22			BYR	iP	11 39 18.0	BYR	eP	22 26 29.0	BYR	eP	04 28 10.0
BYR	e(P)	09 20 32.0	SPA	iP	11 40 00.0	Jul. 23			SPA	eP	04 28 28.0
	e	21 07.0	Jul. 23			SPA	iP	22 30 16.0	Jul. 24		
Jul. 22			BYR	iP	12 20 15.0	Jul. 23			BYR	e(P)	07 33 44.0
BYR	eP	10 09 22.0	SPA	iP	12 20 51.0	BYR	eP	22 52 06.0	Jul. 24		
SPA	eP	10 08 46.0	Jul. 23			SPA	iP	22 52 23.0	SPA	eP	07 51 53.0
Jul. 22			BYR	iP	13 45 49.0	Jul. 23			Jul. 24		
BYR	iP	10 38 28.0	SPA	iP	13 46 30.0	BYR	iP	23 33 11.0	BYR	iP	09 01 21.0
SPA	iP	10 39 04.0	Jul. 23			SPA	iP	23 33 29.0		ePKKP	18 20.0
Jul. 22			BYR	iP	14 14 42.0	Jul. 23			SPA	iP	09 01 00.0
SPA	eP	11 24 52.0	SPA	iP	14 15 00.0	SPA	iP	23 57 39.0	Jul. 24		
Jul. 22			Jul. 23			Jul. 24			SPA	eP	09 29 38.0
SPA	iP'	14 03 53.0	BYR	iP	14 27 37.0	BYR	eP	00 45 58.0	Jul. 24		
Jul. 22			SPA	iP	14 27 56.0		e	46 09.0	BYR	eP	10 00 41.0
BYR	eP	17 23 56.0	Jul. 23			SPA	eP	00 46 16.0		e	04 50.0
SPA	iP	17 23 35.0	BYR	iP	14 50 38.0	Jul. 24			SPA	eP	10 01 10.0
Jul. 22			SPA	eP	14 51 25.0	BYR	iP	01 40 34.0	Jul. 24		
BYR	eP	18 08 51.0	Jul. 23				i	45 09.0	BYR	eP	10 42 22.0
SPA	iP	18 08 51.0	BYR	eP	15 20 08.0	SPA	iP	01 41 04.0	Jul. 24		
						Jul. 24			BYR	eP	10 50 52.0
						BYR	eP	02 05 39.0			

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Date and Station	Phase	(GCT) h m s
Jul. 24		
BYR	iP	11 12 50.0
Jul. 24		
BYR	iP	11 30 16.0
Jul. 24		
BYR	iP	13 24 00.0
SPA	eP	13 24 17.0
Jul. 24		
BYR	eP	13 37 09.0
Jul. 24		
BYR	e(P)	14 36 05.0
Jul. 24		
SPA	eP	14 41 26.0
Jul. 24		
BYR	eP	16 20 05.0
	ePcP	21 39.0
SPA	iP	16 20 32.0
Jul. 24		
BYR	eP	18 22 46.0
SPA	eP	18 22 30.0
Jul. 24		
BYR	eP	20 17 16.0
SPA	eP	20 17 34.0
Jul. 24		
BYR	e(P)	20 47 05.0
Jul. 24		
SPA	e(P)	20 56 29.0
Jul. 24		
BYR	iP	21 26 24.0
Jul. 25		
BYR	e(P)	00 37 20.0
Jul. 25		
SPA	iP	01 19 29.0
Jul. 25		
BYR	iP	01 41 33.0
SPA	iP	01 41 51.0
Jul. 25		
SPA	eP	02 37 45.0
Jul. 25		
BYR	iP	02 58 54.0
	ipP	03 00 58.0
SPA	iP	02 59 29.0
Jul. 25		
BYR	e(P)	04 01 24.0

Date and Station	Phase	(GCT) h m s
Jul. 25		
BYR	e(P)	05 04 41.0
Jul. 25		
BYR	e(P)	05 15 17.0
Jul. 25		
BYR	eP'	06 19 05.0
SPA	iP'	06 19 13.0
Jul. 25		
SPA	iP	08 10 08.0
Jul. 25		
BYR	eP	09 01 45.0
SPA	iP	09 02 09.0
Jul. 25		
BYR	iP	10 12 25.0
Jul. 25		
BYR	eP	11 19 26.0
SPA	iP	11 19 39.0
Jul. 25		
BYR	eP'	12 19 31.0
SPA	iP'	12 19 23.0
Jul. 25		
SPA	eP	12 37 45.0
Jul. 25		
SPA	e(P)	15 49 36.0
Jul. 25		
BYR	eP	15 52 22.0
SPA	eP	15 52 22.0
Jul. 25		
BYR	eP	17 10 38.0
Jul. 25		
BYR	iP	18 09 14.0
SPA	iP	18 08 41.0
Jul. 25		
SPA	iP	18 10 08.0
Jul. 25		
SPA	iP	18 52 24.0
Jul. 25		
SPA	eP	19 02 53.0
Jul. 25		
BYR	eP	20 07 34.0
SPA	eP	20 08 15.0
Jul. 25		
BYR	eP	20 15 58.0

Date and Station	Phase	(GCT) h m s
Jul. 25		
SPA	eP	20 54 00.0
Jul. 25		
BYR	iP	21 02 09.0
Jul. 26		
BYR	eP	01 42 33.0
SPA	iP	01 43 47.0
Jul. 26		
BYR	eP	03 08 32.0
SPA	iP	03 08 13.0
Jul. 26		
SPA	eP	06 51 47.0
Jul. 26		
BYR	iP	09 27 49.0
	ePcP	28 54.0
SPA	iP	09 28 09.0
	eS	35 29.0
Jul. 26		
BYR	eP	12 38 07.0
SPA	eP	12 38 41.0
Jul. 26		
SPA	eP	13 02 17.0
Jul. 26		
BYR	iP	15 23 32.0
Jul. 26		
SPA	e(P)	15 57 49.0
Jul. 26		
BYR	iP	16 36 26.0
	e	36 46.0
SPA	iP	16 37 06.0
Jul. 26		
SPA	eP	18 52 17.0
Jul. 26		
BYR	eP	23 41 23.0
Jul. 26		
BYR	e(P)	23 56 21.0
Jul. 27		
BYR	eP	02 16 09.0
SPA	iP	02 16 43.0
Jul. 27		
BYR	eP	04 36 10.0
SPA	eP	04 37 07.0
Jul. 27		
BYR	e(P)	05 29 44.0
	e	35 58.0

Date and Station	Phase	(GCT) h m s
Jul. 27		
BYR	iP	06 20 06.0
	epP	20 20.0
SPA	eP	06 20 46.0
Jul. 27		
BYR	iP	08 37 47.0
SPA	iP	08 38 17.0
Jul. 27		
BYR	eP	10 41 55.0
SPA	iP	10 41 40.0
Jul. 27		
BYR	eP	11 44 30.0
SPA	iP	11 44 50.0
Jul. 27		
BYR	eP	13 58 51.0
SPA	eP	13 59 36.0
Jul. 27		
SPA	eP	14 59 57.0
Jul. 27		
BYR	eP	15 42 39.0
SPA	iP	15 43 09.0
Jul. 27		
BYR	e(P')	15 52 23.0
Jul. 27		
SPA	iP	15 58 24.0
Jul. 27		
SPA	eP'	18 54 39.0
Jul. 27		
BYR	iP	19 09 52.0
	epP	10 43.0
SPA	iP	19 10 29.0
Jul. 27		
SPA	eP	19 41 08.0
Jul. 27		
BYR	eP	20 23 50.0
Jul. 27		
BYR	e(P)	20 34 44.0
Jul. 27		
BYR	eP	20 35 06.0
Jul. 27		
SPA	eP	21 34 12.0
Jul. 27		
SPA	eP	22 07 55.0
Jul. 28		
SPA	iP	00 14 26.0

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Date and Station	Phase	(GCT)
		h m s
Jul. 28		
BYR	iP	00 19 12.0
Jul. 28		
BYR	eP'	00 52 54.0
Jul. 28		
BYR	eP	01 02 02.0
Jul. 28		
BYR	iP	01 17 27.0
	epP	18 04.0
	eP'P'	44 00.0
SPA	iP	01 18 05.0
Jul. 28		
SPA	e(P)	02 59 54.0
Jul. 28		
SPA	e(P)	05 06 15.0
Jul. 28		
BYR	eP	06 22 41.0
Jul. 28		
BYR	eP	06 50 43.0
Jul. 28		
BYR	eP	08 40 11.0
Jul. 28		
BYR	eP	09 21 30.0
Jul. 28		
BYR	eP	12 49 38.0
SPA	eP	12 50 15.0
Jul. 28		
BYR	e(P)	13 31 44.0
Jul. 28		
BYR	eP	13 33 54.0
SPA	iP	13 33 31.0
Jul. 28		
BYR	e(P)	14 30 06.0
	e	30 17.0
SPA	iP	14 29 55.0
Jul. 28		
BYR	iP'	15 38 55.0
	ePKKP	50 33.0
SPA	iP'	15 38 54.0
	ePKKP	50 20.0
Jul. 28		
BYR	eP	16 49 15.0
Jul. 28		
BYR	iP	17 10 22.0
SPA	eP	17 10 58.0

Date and Station	Phase	(GCT)
		h m s
Jul. 28		
BYR	iP	17 27 42.0
SPA	iP	17 28 02.0
Jul. 28		
SPA	eP	19 10 07.0
Jul. 28		
SPA	eP	23 54 26.0
Jul. 28		
BYR	eP	24 09 29.0
SPA	eP	24 09 28.0
Jul. 29		
BYR	eP	01 15 23.0
Jul. 29		
BYR	eP	01 51 13.0
Jul. 29		
BYR	iP	02 00 19.0
SPA	iP	02 00 02.0
Jul. 29		
BYR	eP	05 27 33.0
	e	28 09.0
Jul. 29		
SPA	e(P)	07 38 13.0
Jul. 29		
SPA	e(P)	10 37 37.0
Jul. 29		
BYR	iP	10 42 49.0
	e	49 37.0
Jul. 29		
BYR	eP	12 02 28.0
SPA	iP	12 02 11.0
Jul. 29		
BYR	e	12 23 20.0
Jul. 29		
BYR	iP	16 38 31.0
Jul. 29		
SPA	eP	17 06 32.0
Jul. 29		
BYR	eP	18 06 45.0
Jul. 29		
BYR	eP	18 43 40.0
Jul. 29		
BYR	e(P)	22 42 02.0
Jul. 29		
BYR	eP	22 51 22.0
SPA	iP	22 51 09.0

Date and Station	Phase	(GCT)
		h m s
Jul. 29		
BYR	iP	23 48 24.0
Jul. 30		
BYR	eP	00 25 54.0
SPA	iP	00 03 24.0
Jul. 30		
BYR	e(P)	00 16 34.0
Jul. 30		
BYR	e(P)	00 42 14.0
Jul. 30		
BYR	eP	02 44 10.0
Jul. 30		
BYR	e(P)	03 33 37.0
Jul. 30		
BYR	eP	06 13 44.0
	e	17 36.0
Jul. 30		
BYR	eP	06 44 37.0
Jul. 30		
BYR	eP	07 00 45.0
Jul. 30		
BYR	eP	07 37 37.0
Jul. 30		
SPA	eP	08 20 34.0
Jul. 30		
BYR	eP	10 09 57.0
Jul. 30		
BYR	iP	12 16 44.0
Jul. 30		
BYR	eP	13 30 24.0
SPA	iP	13 30 54.0
Jul. 30		
BYR	iP	14 17 19.0
	epP	17 35.0
	esP	17 44.0
SPA	iP	14 17 37.0
Jul. 30		
BYR	iP	15 12 32.0
	e	13 02.0
	e	13 16.0
Jul. 30		
BYR	iP	15 46 48.0
SPA	iP	15 47 24.0
Jul. 30		
BYR	eP	16 25 43.0
Jul. 30		
BYR	e(P)	17 31 52.0

Date and Station	Phase	(GCT)
		h m s
Jul. 30		
BYR	iP	17 40 08.0
	e	40 24.0
Jul. 30		
BYR	eP	17 55 08.0
Jul. 30		
BYR	eP	20 44 36.0
Jul. 31		
BYR	iP	00 28 35.0
	epP	29 37.0
SPA	iP	00 28 06.0
Jul. 31		
BYR	iP	01 29 22.0
SPA	iP	01 29 06.0
	e	29 50.0
Jul. 31		
SPA	eP	02 58 48.0
Jul. 31		
BYR	eP	03 30 21.0
Jul. 31		
SPA	e(P)	03 48 24.0
Jul. 31		
BYR	iP'	05 21 12.0
Jul. 31		
BYR	iP	06 14 13.0
Jul. 31		
BYR	eP	06 29 09.0
SPA	iP	06 29 41.0
	e	30 28.0
Jul. 31		
BYR	eP	07 02 47.0
SPA	eP	07 02 12.0
Jul. 31		
BYR	eP	07 15 26.0
Jul. 31		
BYR	eP	08 41 43.0
SPA	eP	08 42 01.0
Jul. 31		
SPA	eP	08 46 51.0
Jul. 31		
BYR	iP	09 27 55.0
Jul. 31		
BYR	iP	10 13 46.0
SPA	eP	10 13 27.0
Jul. 31		
BYR	iP	10 23 24.0

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Date and Station		Phase (GCT)		
			h	m s
Jul. 31				
BYR	eP	10	35	56.0
Jul. 31				
BYR	eP	11	04	53.0
SPA	iP	11	03	44.0
Jul. 31				
BYR	eP	14	24	58.0
Jul. 31				
SPA	e(P)	16	08	29.0
Jul. 31				
SPA	eP	19	20	54.0
Jul. 31				
BYR	iP	23	46	53.0
SPA	iP	23	46	07.0
Aug. 1				
SPA	iP	01	04	25.0
	epP		04	41.0
Aug. 1				
BYR	e(P)	01	14	08.0
Aug. 1				
BYR	eP	01	29	15.0
	e		36	40.0
SPA	iP	01	29	32.0
Aug. 1				
BYR	iP	05	15	25.0
	e		16	08.0
SPA	iP	05	16	19.0
	e		17	04.0
Aug. 1				
BYR	iP	05	51	53.0
SPA	iP	05	52	02.0
	i		57	38.0
Aug. 1				
BYR	iP	07	28	06.0
	eS		33	43.0
SPA	iP	07	27	47.0
	e		28	17.0
	eS		33	09.0
Aug. 1				
BYR	iP	07	36	04.0
Aug. 1				
SPA	iP	07	40	05.0
Aug. 1				
BYR	iP	07	53	08.0
Aug. 1				
BYR	iP	07	54	06.0
Aug. 1				
SPA	eP	08	25	15.0

Date and Station		Phase (GCT)		
			h	m s
Aug. 1				
BYR	iP	09	31	17.0
	eS		36	43.0
SPA	iP	09	31	01.0
	eS		36	29.0
Aug. 1				
BYR	iP	09	41	32.0
	e		46	39.0
	eS		47	02.0
SPA	iP	09	41	14.0
	e		41	52.0
	iS		46	40.0
Aug. 1				
BYR	eP	09	55	00.0
Aug. 1				
BYR	iP	10	22	11.0
Aug. 1				
BYR	eP	10	40	38.0
Aug. 1				
BYR	iP	10	42	45.0
Aug. 1				
BYR	e(P)	10	52	10.0
Aug. 1				
BYR	eP	11	14	17.0
Aug. 1				
BYR	eP	11	30	46.0
Aug. 1				
BYR	e(P)	11	46	24.0
Aug. 1				
BYR	eP	11	51	10.0
	e	12	00	00.0
Aug. 1				
BYR	e(P)	14	25	36.0
Aug. 1				
BYR	eP	14	42	58.0
Aug. 1				
BYR	iP	14	49	19.0
	i		49	34.0
SPA	iP	14	49	05.0
Aug. 1				
BYR	iP	16	28	11.0
Aug. 1				
BYR	eP	16	54	11.0
Aug. 1				
BYR	iP	17	12	58.0
Aug. 1				
BYR	e(P)	17	53	49.0
Aug. 1				
BYR	eP	19	38	50.0

Date and Station		Phase (GCT)		
			h	m s
Aug. 1				
BYR	e(P)	19	56	09.0
Aug. 1				
BYR	eP	21	19	24.0
SPA	iP	21	19	20.0
Aug. 1				
BYR	eP	22	22	36.0
	e		22	48.0
SPA	iP	22	22	55.0
Aug. 1				
BYR	eP	23	24	39.0
Aug. 2				
BYR	eP	01	22	52.0
	ePcP		26	10.0
SPA	eP	01	24	17.0
Aug. 2				
BYR	eP	02	14	57.0
SPA	eP	02	15	15.0
Aug. 2				
BYR	iP	02	38	21.0
SPA	iP	02	38	06.0
	e		38	39.0
Aug. 2				
BYR	iP	02	42	02.0
Aug. 2				
SPA	eP	02	48	18.0
Aug. 2				
SPA	iP	02	57	11.0
Aug. 2				
BYR	iP	03	10	18.0
Aug. 2				
SPA	iP	03	26	35.0
Aug. 2				
BYR	eP	04	06	11.0
SPA	iP	04	05	55.0
Aug. 2				
BYR	e(P)	04	22	24.0
Aug. 2				
BYR	eP	05	05	07.0
SPA	eP	05	05	32.0
Aug. 2				
BYR	iP	05	18	24.0
Aug. 2				
BYR	iP	05	35	00.0
SPA	eP	05	34	42.0

Date and Station		Phase (GCT)		
			h	m s
Aug. 2				
BYR	eP	05	41	38.0
Aug. 2				
BYR	e(P)	06	04	32.0
Aug. 2				
BYR	iP	07	52	20.0
	e		59	02.0
SPA	iP	07	52	12.0
Aug. 2				
BYR	eP	11	38	30.0
Aug. 2				
BYR	iP	11	44	42.0
SPA	iP	11	44	24.0
Aug. 2				
BYR	eP'	12	31	14.0
	epP'		31	31.0
SPA	eP'	12	31	18.0
Aug. 2				
BYR	iP	12	45	24.0
SPA	e	12	45	14.0
Aug. 2				
BYR	iP	12	59	39.0
Aug. 2				
BYR	eP	13	32	51.0
SPA	eP	13	33	31.0
Aug. 2				
BYR	eP	13	57	44.0
	e		58	13.0
SPA	iP	13	58	22.0
Aug. 2				
BYR	eP'	14	51	42.0
SPA	eP'	14	51	49.0
Aug. 2				
BYR	eP	17	05	15.0
SPA	eP	17	06	08.0
Aug. 2				
BYR	eP	17	35	02.0
SPA	eP	17	34	28.0
Aug. 2				
BYR	eP	18	40	12.0
Aug. 2				
SPA	eP	19	54	45.0
Aug. 2				
SPA	iP	20	06	29.0

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Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
Aug. 2		h m s	Aug. 3		h m s	Aug. 4		h m s			h m s
BYR	eP	20 26 22.0	BYR	eP	16 43 47.0	SPA	iP	20 19 01.0	SPA	iP	09 38 58.0
	e	31 36.0									
SPA	eP	20 26 36.0	SPA	iP	16 44 20.0	Aug. 4			Aug. 5		
						BYR	eP'	23 12 03.0	SPA	eP	10 06 54.0
Aug. 2			Aug. 3				ipP'	12 22.0			
SPA	eP	21 50 06.0	BYR	eP	17 21 56.0				Aug. 5		
						SPA	eP'	23 12 05.0	SPA	e(P)	12 49 14.0
Aug. 2			Aug. 4								
BYR	eP	23 08 28.0	BYR	e(P)	00 03 18.0	Aug. 4			Aug. 5		
						BYR	iP	23 41 47.0	BYR	iP	13 28 33.0
Aug. 2			Aug. 4				epP	43 22.0			
BYR	e(P)	23 51 41.0	BYR	eP	01 30 36.0				SPA	eP	13 28 15.0
	e	57 18.0				SPA	iP	23 42 18.0			
			Aug. 4						Aug. 5		
Aug. 3			SPA	e(P)	04 01 09.0	Aug. 5			BYR	e(P)	14 04 02.0
SPA	eP	03 16 58.0				SPA	iP	00 55 26.0			
			Aug. 4						Aug. 5		
Aug. 3			BYR	eP'	07 36 59.0	Aug. 5			BYR	e(P)	14 45 17.0
BYR	iP	03 21 48.0				BYR	eP	01 04 19.0			
	e	21 58.0	SPA	eP'	07 37 14.0				Aug. 5		
						SPA	eP	01 04 57.0	BYR	eP	16 59 52.0
SPA	eP'	03 26 02.0	Aug. 4								
			BYR	eP	08 48 17.0	Aug. 5			Aug. 5		
Aug. 3						BYR	iP	01 19 24.0	BYR	e(P)	20 22 49.0
SPA	iP	05 00 15.0	Aug. 4								
			BYR	iP	08 53 58.0	SPA	iP	01 19 38.0	Aug. 5		
Aug. 3									BYR	iP	22 46 16.0
BYR	iP	06 36 41.0	Aug. 4			Aug. 5				e	46 42.0
			BYR	iP	09 11 16.0	BYR	eP	02 19 23.0			
Aug. 3									SPA	iP	22 46 01.0
BYR	e(P)	07 02 54.0	SPA	eP	09 11 51.0	Aug. 5					
				e	18 43.0	BYR	iP'	02 45 41.0	Aug. 6		
Aug. 3							e	46 08.0	SPA	eP	01 59 26.0
BYR	iP	07 04 14.0	Aug. 4								
			SPA	eP	09 20 24.0	SPA	iP	02 46 08.0	Aug. 6		
SPA	iP	07 04 07.0					e	46 15.0	BYR	eP'	03 39 24.0
			Aug. 4								
Aug. 3			BYR	eP	09 25 35.0	Aug. 5			SPA	eP'	03 39 22.0
BYR	iP	07 34 18.0				BYR	e(P)	03 09 55.0			
			Aug. 4						Aug. 6		
Aug. 3			BYR	eP'	10 55 44.0	Aug. 5			BYR	eP	04 58 58.0
BYR	iP	07 45 05.0				BYR	e(P)	03 27 09.0			
			SPA	eP'	10 55 53.0				SPA	eP	04 58 20.0
SPA	eP	07 44 44.0				Aug. 5					
			Aug. 4			BYR	eP	04 25 58.0	Aug. 6		
Aug. 3			BYR	iP	13 45 33.0				BYR	e(P)	06 05 56.0
BYR	e(P)	11 59 25.0				SPA	eP	04 26 35.0			
	e	12 00 12.0	SPA	iP	13 45 16.0				Aug. 6		
						Aug. 5			SPA	iP	08 26 23.0
Aug. 3			Aug. 4			BYR	eP'	06 29 36.0			
BYR	eP	13 39 25.0	BYR	e(P)	16 27 26.0				Aug. 6		
						SPA	eP'	06 29 42.0	BYR	eP	10 47 39.0
Aug. 3			Aug. 4								
BYR	eP'	14 44 18.0	BYR	e(P)	16 41 40.0	Aug. 5			SPA	eP	10 47 17.0
						BYR	eP	06 52 49.0			
Aug. 3			Aug. 4						Aug. 6		
BYR	eP	15 28 12.0	BYR	eP	17 59 24.0	SPA	eP	06 53 22.0	SPA	eP	14 36 54.0
	e	28 17.0									
			SPA	iP	18 00 01.0	Aug. 5			Aug. 6		
SPA	iP	15 28 53.0				BYR	iP	08 27 09.0	BYR	eP	17 19 54.0
			Aug. 4								
Aug. 3			BYR	eP	18 30 08.0	SPA	iP	08 27 43.0	SPA	iP	17 19 49.0
BYR	eP	15 59 49.0									
			Aug. 4			Aug. 5			Aug. 6		
Aug. 3			BYR	eP	19 06 01.0	BYR	eP	08 46 59.0	BYR	eP	18 58 22.0
BYR	eP	16 18 00.0									
			Aug. 4			Aug. 5			Aug. 6		
SPA	iP	16 17 31.0	BYR	iP	20 19 36.0	BYR	iP	09 38 20.0	BYR	e(P)	19 57 23.0
				e	20 40.0		epP	38 50.0			

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Date and Station		Phase	h	m	s
Aug. 6					
SPA	iP	22 07 33.0			
Aug. 6					
BYR	eP	22 11 01.0			
Aug. 6					
BYR	e(P)	23 28 53.0			
Aug. 6					
SPA	eP	23 44 54.0			
Aug. 7					
SPA	eP	01 59 40.0			
Aug. 7					
BYR	eP	02 03 22.0			
Aug. 7					
BYR	e(P)	02 15 14.0			
Aug. 7					
BYR	iP	02 19 59.0			
Aug. 7					
BYR	e(P)	03 13 35.0			
Aug. 7					
BYR	iP'	04 21 23.0			
SPA	eP'	04 21 23.0			
Aug. 7					
BYR	eP	04 35 30.0			
SPA	iP	04 35 08.0			
Aug. 7					
BYR	eP	04 52 40.0			
Aug. 7					
BYR	eP	05 56 32.0			
Aug. 7					
BYR	eP	07 55 01.0			
SPA	eP	07 54 49.0			
Aug. 7					
BYR	iP	08 22 05.0			
Aug. 7					
BYR	iP	10 56 39.0			
SPA	iP	10 56 19.0			
Aug. 7					
BYR	eP	12 32 07.0			
SPA	iP	12 32 43.0			
Aug. 7					
SPA	e(P)	13 01 48.0			
Aug. 7					
BYR	eP	14 18 54.0			
SPA	eP	14 19 22.0			

Date and Station		Phase	h	m	s
Aug. 7					
BYR	eP	14 35 37.0			
Aug. 7					
BYR	eP	14 40 50.0			
	epP	41 04.0			
SPA	eP	14 40 32.0			
Aug. 7					
SPA	iP	16 17 40.0			
Aug. 7					
BYR	iP	17 01 23.0			
Aug. 7					
BYR	iP	17 07 50.0			
SPA	iP	17 08 09.0			
Aug. 7					
BYR	eP	17 37 17.0			
SPA	eP	17 37 11.0			
Aug. 7					
SPA	eP	23 40 24.0			
Aug. 8					
BYR	eP	00 28 34.0			
SPA	eP	00 29 11.0			
Aug. 8					
BYR	eP	00 48 21.0			
Aug. 8					
SPA	e(P)	00 58 29.0			
Aug. 8					
SPA	iP	02 05 41.0			
Aug. 8					
SPA	eP	02 49 48.0			
Aug. 8					
BYR	eP	04 10 11.0			
Aug. 8					
BYR	eP'	05 55 33.0			
	e	55 40.0			
SPA	iP'	05 55 50.0			
Aug. 8					
SPA	e(P).	06 15 05.0			
Aug. 8					
BYR	eP	06 41 47.0			
SPA	eP	06 42 22.0			
Aug. 8					
BYR	eP	07 30 47.0			
SPA	iP	07 30 51.0			
Aug. 8					
BYR	eP	07 59 30.0			

Date and Station		Phase	h	m	s
SPA	iP	08 00 39.0			
Aug. 8					
BYR	eP	09 19 58.0			
	eS	28 27.0			
SPA	iP	09 19 37.0			
Aug. 8					
BYR	eP	10 24 46.0			
SPA	eP	10 25 24.0			
Aug. 8					
BYR	eP	12 37 21.0			
SPA	iP	12 37 42.0			
	e	38 09.0			
Aug. 8					
BYR	eP	12 49 22.0			
SPA	iP	12 49 20.0			
Aug. 8					
BYR	eP	13 08 43.0			
SPA	eP	13 08 48.0			
Aug. 8					
SPA	eP'	13 57 12.0			
Aug. 8					
SPA	eP	15 59 56.0			
Aug. 8					
BYR	eP	16 37 37.0			
SPA	eP	16 38 47.0			
Aug. 8					
BYR	iP	16 51 17.0			
SPA	iP	16 51 26.0			
Aug. 8					
BYR	e(P)	17 25 45.0			
Aug. 8					
BYR	eP'	19 12 38.0			
Aug. 8					
BYR	eP	23 58 25.0			
SPA	eP	23 58 34.0			
Aug. 8					
SPA	eP'	24 08 36.0			
Aug. 9					
BYR	eP	00 29 49.0			
SPA	iP	00 30 23.0			
Aug. 9					
SPA	iP	01 37 08.0			

Date and Station		Phase	h	m	s
Aug. 9					
BYR	iP	02 41 12.0			
SPA	iP	02 42 38.0			
Aug. 9					
SPA	iP	03 20 15.0			
Aug. 9					
BYR	iP	03 34 45.0			
SPA	e(P)	03 35 13.0			
Aug. 9					
BYR	eP'	04 21 36.0			
SPA	eP'	04 22 01.0			
Aug. 9					
BYR	eP	06 05 16.0			
SPA	eP	06 05 41.0			
Aug. 9					
BYR	e(P)	07 32 46.0			
Aug. 9					
BYR	iP	08 07 35.0			
Aug. 9					
BYR	eP	09 57 10.0			
SPA	eP	09 57 40.0			
Aug. 9					
SPA	eP	10 59 01.0			
Aug. 9					
BYR	eP'	13 22 40.0			
Aug. 9					
BYR	iP	16 13 32.0			
SPA	iP	16 13 50.0			
	iP'P'	41 41.0			
Aug. 9					
BYR	e(P)	17 14 15.0			
Aug. 9					
BYR	eP'	18 24 23.0			
	e	25 04.0			
Aug. 9					
SPA	eP	23 13 07.0			
Aug. 10					
BYR	eP	00 43 16.0			
SPA	eP	00 43 22.0			
Aug. 10					
SPA	eP'	01 18 19.0			
Aug. 10					
BYR	eP	01 52 50.0			
	ePcP	54 00.0			
SPA	iP	01 53 24.0			

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Date and Station	Phase (GCT)	h	m	s
Aug. 10				
BYR	e(P)	03	13	22.0
Aug. 10				
BYR	eP	03	55	22.0
SPA	iP	03	55	25.0
Aug. 10				
BYR	e(P)	05	28	43.0
Aug. 10				
BYR	iP	06	43	18.0
SPA	eP	06	43	57.0
Aug. 10				
SPA	iP	06	47	36.0
Aug. 10				
BYR	eP	07	42	34.0
	iPP		49	58.0
SPA	eP	07	43	11.0
Aug. 10				
SPA	eP	07	50	31.0
Aug. 10				
BYR	eP	09	06	15.0
Aug. 10				
BYR	e(P)	11	48	08.0
Aug. 10				
BYR	eP'	12	22	26.0
SPA	eP'	12	22	23.0
Aug. 10				
SPA	e(P)	14	09	48.0
Aug. 10				
BYR	eP	16	39	13.0
SPA	eP	16	40	05.0
Aug. 10				
BYR	iP	16	46	39.0
	pP		47	30.0
SPA	e(P)	16	46	20.0
Aug. 10				
BYR	iP	17	34	31.0
SPA	iP	17	34	40.0
Aug. 10				
BYR	e(P)	17	51	16.0
Aug. 10				
BYR	eP	19	23	20.0
Aug. 10				
BYR	eP	19	25	37.0
SPA	eP	19	26	06.0

Date and Station	Phase (GCT)	h	m	s
Aug. 10				
BYR	e(P)	23	34	24.0
Aug. 11				
BYR	eP	23	53	02.0
SPA	iP	23	53	02.0
Aug. 11				
BYR	eP'	01	02	42.0
SPA	iP'	01	03	10.0
Aug. 11				
BYR	e(P)	01	22	22.0
Aug. 11				
SPA	e(P)	02	30	54.0
Aug. 11				
BYR	eP	04	12	47.0
Aug. 11				
BYR	eP	08	37	09.0
SPA	eP	08	37	44.0
Aug. 11				
BYR	eP	09	19	33.0
SPA	eP	09	19	51.0
Aug. 11				
SPA	e(P)	09	38	42.0
Aug. 11				
SPA	eP	10	26	25.0
Aug. 11				
BYR	iP	10	36	00.0
SPA	iP	10	36	19.0
	e		36	24.0
Aug. 11				
BYR	iP	11	17	46.0
	epP		18	19.0
SPA	iP	11	17	26.0
Aug. 11				
SPA	eP	14	13	18.0
Aug. 11				
BYR	eP	14	31	49.0
Aug. 11				
SPA	e(P)	15	55	23.0
Aug. 11				
BYR	eP	16	10	33.0
SPA	iP	16	10	32.0
	e		14	36.0
	i		16	47.0
Aug. 11				
BYR	eP	19	31	45.0

Date and Station	Phase (GCT)	h	m	s
SPA	eP	19	32	15.0
Aug. 11				
BYR	iP	22	50	22.0
SPA	iP	22	50	05.0
Aug. 11				
BYR	eP'	23	30	53.0
Aug. 11				
BYR	eP	23	53	02.0
SPA	iP	23	53	02.0
Aug. 12				
BYR	iP	01	21	50.0
	e		22	48.0
SPA	iP	01	21	28.0
Aug. 12				
BYR	e(P)	01	44	16.0
Aug. 12				
BYR	eP	05	41	43.0
SPA	eP	05	42	12.0
Aug. 12				
BYR	e(P)	06	49	46.0
Aug. 12				
BYR	iP	06	53	05.0
SPA	eP	06	53	41.0
Aug. 12				
SPA	eP	07	34	46.0
Aug. 12				
BYR	iP	13	15	51.0
SPA	eP	13	16	29.0
Aug. 12				
SPA	e(P)	13	31	40.0
Aug. 12				
BYR	eP	15	25	01.0
SPA	eP	15	25	24.0
Aug. 12				
BYR	iP	17	19	05.0
SPA	iP	17	19	34.0
Aug. 12				
SPA	e(P)	19	06	47.0
Aug. 12				
BYR	iP	20	15	25.0
SPA	iP	20	14	43.0
Aug. 12				
SPA	eP	21	43	02.0

Date and Station	Phase (GCT)	h	m	s
Aug. 12				
BYR	eP	22	45	42.0
SPA	eP	22	45	45.0
Aug. 13				
BYR	eP	00	32	56.0
Aug. 13				
BYR	eP	00	51	30.0
SPA	eP	00	52	23.0
Aug. 13				
BYR	eP	02	04	01.0
Aug. 13				
BYR	iP	02	45	46.0
	epP		46	20.0
Aug. 13				
SPA	eP	03	58	39.0
Aug. 13				
BYR	eP	05	08	20.0
SPA	eP	05	08	11.0
Aug. 13				
BYR	eP	05	23	02.0
SPA	eP	05	23	09.0
Aug. 13				
BYR	eP	06	19	48.0
SPA	eP	06	19	45.0
Aug. 13				
SPA	eP	07	36	56.0
Aug. 13				
BYR	e(P)	10	05	09.0
Aug. 13				
BYR	e(P)	10	58	46.0
Aug. 13				
BYR	iP	11	04	13.0
Aug. 13				
BYR	eP	12	58	19.0
SPA	eP	12	58	00.0
Aug. 13				
SPA	e(P)	15	13	05.0
Aug. 13				
SPA	eP	15	30	48.0
Aug. 13				
BYR	iP	17	28	42.0
SPA	iP	17	29	26.0
Aug. 13				
BYR	iP	18	33	08.0

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Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
		h m s	Aug. 15		h m s	Aug. 16		h m s	Aug. 16		h m s
SPA	iP	18 33 45.0	BYR	e(P)	00 58 55.0	BYR	eP	01 21 14.0	BYR	e(P)	17 56 44.0
Aug. 13			Aug. 15			SPA	eP	01 20 26.0	Aug. 16		
BYR	eP	22 08 09.0	BYR	iP	03 01 02.0	Aug. 16			SPA	iP	19 28 53.0
Aug. 13			SPA	iP	03 01 42.5	BYR	eP	01 55 43.0	Aug. 16		
BYR	eP	23 53 01.0	Aug. 15			Aug. 16			SPA	eP	20 36 47.0
	i	54 23.0	BYR	e(P)	06 01 11.0	BYR	eP	02 52 36.0	Aug. 16		
SPA	iP	23 53 06.0	SPA	eP	06 01 48.8	Aug. 16			BYR	e(P)	21 51 52.0
Aug. 14			Aug. 15			BYR	eP	03 43 08.0	Aug. 17		
BYR	eP	02 08 57.0	BYR	iP	07 06 36.0		epP	43 29.0	SPA	eP	00 54 01.0
SPA	eP	02 09 47.6	Aug. 15			SPA	iP	03 43 43.0	Aug. 17		
Aug. 14			SPA	eP'	12 45 47.9		ipP	44 06.0	BYR	eP	01 13 56.0
SPA	iP	02 17 34.9	Aug. 15			Aug. 16			SPA	eP	01 14 30.0
Aug. 14			BYR	eP	13 55 50.0	SPA	eP	04 14 01.0	Aug. 17		
BYR	iP	05 36 09.0	SPA	eP	13 55 30.2	Aug. 16			SPA	eP	01 39 10.0
SPA	iP	05 36 43.0	Aug. 15			BYR	eP	04 26 26.0	Aug. 17		
Aug. 14			BYR	e(P)	15 33 54.0	SPA	e(P)	04 27 45.0	BYR	eP	02 58 15.0
BYR	eP	06 47 08.0	Aug. 15			Aug. 16			SPA	eP	02 59 00.0
SPA	eP	06 47 39.2	BYR	eP'	15 54 50.0	SPA	e(P)	09 01 46.0	Aug. 17		
Aug. 14			SPA	eP'	15 54 57.4	Aug. 16			SPA	e(P)	04 28 41.0
SPA	e(P)	08 15 06.0	Aug. 15			BYR	eP	09 16 38.0	Aug. 17		
Aug. 14			BYR	eP	18 02 43.0		e	17 16.0	BYR	eP	05 11 21.0
BYR	e(P)	12 42 32.0	SPA	iP	18 03 00.0	SPA	eP'	09 16 36.0	SPA	eP	05 12 51.0
SPA	iP	12 43 23.2	Aug. 15			Aug. 16			Aug. 17		
Aug. 14			BYR	e(P)	18 24 27.0	SPA	e(P)	10 09 18.0	BYR	eP	06 44 45.0
SPA	iP	13 48 05.3	Aug. 15			Aug. 16			SPA	iP	06 46 00.0
Aug. 14			BYR	iP	18 30 14.0	BYR	eP	10 49 33.0	Aug. 17		
SPA	iP'	14 05 48.1	SPA	eP	18 30 49.9	SPA	eP	10 49 19.0	SPA	eP'	07 10 01.0
Aug. 14			Aug. 15			Aug. 16			Aug. 17		
SPA	e(P)	18 22 47.8	BYR	eP'	19 22 52.0	BYR	iP	11 23 59.0	SPA	eP	08 48 33.0
Aug. 14				iPKKP	32 42.0	SPA	eP	11 24 06.0	Aug. 17		
BYR	eP	19 00 59.0	SPA	iP'	19 22 49.4	Aug. 16			BYR	e(P)	12 38 27.0
SPA	iP	19 01 37.4		ipP'	23 04.0	BYR	eP	13 21 46.0	Aug. 17		
	eP'P'	30 08.8		ePKKP	32 44.2	SPA	eP	13 22 19.0	BYR	eP	13 04 06.5
Aug. 14			Aug. 15			Aug. 16			SPA	eP	13 04 41.0
BYR	eP'	22 24 09.0	BYR	iP	19 53 22.0	BYR	e(P)	15 42 18.0	Aug. 17		
SPA	eP'	22 24 03.0	SPA	eP	19 53 52.4	Aug. 16			BYR	iP	18 00 25.0
Aug. 14			Aug. 15			BYR	iP'	16 12 03.0	SPA	iP	18 00 44.0
BYR	iP	23 39 30.0	BYR	eP	20 46 52.0		e	18 09.0	Aug. 17		
SPA	iP	23 39 49.9	SPA	eP	20 46 49.2	Aug. 16			BYR	iP'	21 35 32.0
	i	39 59.5	Aug. 16			BYR	iP	16 28 02.0		ipP'	36 14.0
Aug. 14			BYR	e(P)	01 11 45.0		e	28 14.0	SPA	iP'	21 35 20.4
BYR	eP	23 46 03.0	Aug. 16			SPA	iP	16 27 45.0		i	38 51.2
Aug. 15			SPA	eP	01 12 16.0	Aug. 16				e	48 00.1
SPA	eP	00 07 50.3				BYR	eP	16 46 10.0			
							e	49 00.0			

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Date and Station	Phase	(GCT) h m s
Aug. 18		
SPA	eP	00 46 28.0
Aug. 18		
SPA	eP	01 50 48.0
Aug. 18		
BYR	iP	03 24 11.0
Aug. 18		
BYR	iP'	05 48 02.0
SPA	eP'	05 47 59.0
Aug. 18		
BYR	eP	10 29 01.0
SPA	eP	10 29 06.0
Aug. 18		
BYR	eP	11 07 26.0
Aug. 18		
BYR	iP	11 10 54.0
SPA	iP	11 11 25.0
Aug. 18		
SPA	iP	11 24 54.0
Aug. 18		
SPA	iP	11 35 45.0
Aug. 18		
BYR	iP	12 55 10.0
Aug. 18		
BYR	eP	13 03 37.0
SPA	iP	13 03 32.0
Aug. 18		
BYR	e(P)	17 11 50.0
Aug. 18		
SPA	eP	19 12 12.0
Aug. 18		
BYR	e(P)	19 18 48.0
Aug. 18		
BYR	e(P)	20 50 29.0
Aug. 18		
SPA	eP	22 15 29.0
Aug. 19		
SPA	eP	01 23 48.0
Aug. 19		
BYR	e(P')	03 02 12.0
SPA	e(P')	03 02 00.0
	e	02 10.0
Aug. 19		
SPA	eP	03 09 07.0
Aug. 19		
SPA	eP	03 31 23.0
Aug. 19		
BYR	e(P)	04 52 17.0
Aug. 19		
BYR	iP	05 20 20.0
	ipP	22 29.0
	iP'P'	47 41.0
	eSKPP'	50 38.0
SPA	iP	05 20 54.0
	iPcP	21 09.0
	ipP	23 05.0
	iPP	24 06.0
	iS	29 55.0
	iP'P'	47 43.0
	iSKPP'	50 09.0
	eP'P'P'	06 07 42.1
	epP'P'P'	09 32.4
Aug. 19		
BYR	iP	05 27 52.0
	ipP	30 04.0
SPA	iP	05 28 29.0
Aug. 19		
BYR	eP'	05 52 38.0
	ePP	54 40.0
SPA	eP'	05 52 34.0
	ePP	54 32.0
	eSKS	58 37.0
Aug. 19		
BYR	e(P)	06 51 08.0
	e	52 43.0
Aug. 19		
BYR	iP	07 15 43.0
SPA	eP	07 15 25.0
Aug. 19		
SPA	eP	07 55 04.0
Aug. 19		
BYR	eP'	08 26 24.0
SPA	eP'	08 26 20.0
Aug. 19		
BYR	eP	11 12 43.0
Aug. 19		
SPA	eP	11 42 39.0
Aug. 19		
BYR	e(P)	12 20 41.0
SPA	eP	12 21 23.0
Aug. 19		
SPA	e(P')	15 11 12.0
Aug. 19		
BYR	iP	16 11 53.0
	iPcP	12 07.0
	epP	13 59.0
SPA	iP	16 12 28.0
	ePcP	12 46.0
	ePP	15 39.0
Aug. 19		
BYR	eP	20 05 49.0
Aug. 19		
SPA	eP	20 07 18.0
Aug. 19		
BYR	e(P)	20 40 06.0
SPA	eP	20 39 29.0
Aug. 19		
BYR	eP	21 58 15.0
SPA	eP	21 58 30.0
Aug. 20		
BYR	eP	00 17 56.0
SPA	eP	00 18 30.0
Aug. 20		
BYR	eP	01 26 00.0
SPA	eP	01 25 45.0
	e	26 01.0
Aug. 20		
BYR	e(P)	01 41 26.0
SPA	eP	01 41 43.0
Aug. 20		
BYR	eP	02 37 47.0
Aug. 20		
BYR	iP	05 14 16.0
	ipP	16 11.0
	eP'P'	42 23.0
Aug. 20		
BYR	iP	09 20 37.0
Aug. 20		
BYR	iP	10 32 17.0
Aug. 20		
BYR	e(P)	14 54 22.0
Aug. 21		
BYR	iP	01 38 40.0
SPA	iP	01 39 18.0
Aug. 21		
BYR	iP	02 16 19.0
	epP	18 06.0
SPA	iP	02 16 49.0
	ipP	18 44.0
Aug. 21		
SPA	eP	05 50 39.0
Aug. 21		
SPA	eP	06 19 07.0
Aug. 21		
BYR	e(P')	07 19 29.0
SPA	eP'	07 19 08.0
Aug. 21		
SPA	e(P)	09 47 36.0
Aug. 21		
SPA	e(P')	11 40 03.0
Aug. 21		
SPA	e(P)	15 14 41.0
Aug. 21		
BYR	e(P)	15 44 40.0
Aug. 21		
BYR	iP	16 17 41.0
	ipP	17 57.0
SPA	iP	16 18 16.0
	i	18 45.0
	ePP	21 10.0
Aug. 21		
BYR	e(P)	16 45 55.0
SPA	e(P)	16 45 49.0
Aug. 21		
BYR	e(P')	17 19 33.0
	e	19 49.0
	e	20 31.0
SPA	eP'	17 19 50.0
Aug. 22		
BYR	iP	00 07 33.0
Aug. 22		
BYR	e(P)	03 15 07.0
SPA	eP	03 15 20.0
Aug. 22		
BYR	e(P')	06 31 22.0
SPA	e(P')	06 31 23.0
Aug. 22		
BYR	eP	09 11 01.0
SPA	iP	09 11 16.0
Aug. 22		
SPA	iP	09 33 54.0
Aug. 22		
BYR	e(P)	09 53 51.0
Aug. 22		
SPA	eP	15 37 57.0

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Date and Station	Phase	(GCT)	h	m	s
Aug. 22					
BYR	e(P)	17	12	11.0	
SPA	eP	17	11	42.0	
Aug. 22					
SPA	e(P)	22	44	31.0	
Aug. 22					
BYR	e(P)	23	25	52.0	
Aug. 23					
BYR	e(P')	04	31	48.0	
SPA	iP'	04	31	42.0	
Aug. 23					
BYR	e(P)	08	06	05.0	
Aug. 23					
SPA	e(P)	09	37	24.0	
Aug. 23					
SPA	e(P)	14	51	14.0	
Aug. 23					
BYR	eP	16	45	36.0	
SPA	e(P)	16	46	19.0	
Aug. 23					
SPA	eP	17	19	00.0	
Aug. 23					
BYR	e(P)	19	25	39.0	
SPA	eP	19	25	28.0	
Aug. 23					
BYR	eP	21	37	11.0	
Aug. 23					
BYR	e(P)	23	00	32.0	
SPA	eP	23	01	00.0	
Aug. 23					
BYR	eP	23	03	50.0	
SPA	iP	23	04	09.0	
Aug. 24					
SPA	iP	02	00	54.4	
Aug. 24					
SPA	iP	02	28	53.1	
Aug. 24					
SPA	eP	03	49	09.5	
Aug. 24					
SPA	e(P)	04	01	28.3	
Aug. 24					
SPA	eP'	05	11	34.3	
Aug. 24					
BYR	iP	09	22	43.0	
SPA	iP	09	22	59.0	
Aug. 24					
BYR	e(P)	09	36	19.0	
Aug. 24					
BYR	iP	10	08	11.0	
	e		10	22.0	
SPA	iP	10	08	29.0	
Aug. 24					
BYR	eP	15	07	32.0	
Aug. 24					
BYR	iP	17	38	04.0	
SPA	iP	17	38	03.0	
Aug. 24					
BYR	e(P)	18	19	35.0	
Aug. 24					
BYR	e(P)	18	37	46.0	
Aug. 24					
SPA	e(P)	20	43	21.0	
Aug. 24					
BYR	eP	21	08	53.0	
SPA	iP	21	09	17.0	
Aug. 24					
BYR	iP	22	12	06.0	
SPA	iP	22	12	07.0	
Aug. 24					
BYR	e(P)	22	54	40.0	
Aug. 24					
BYR	iP'	23	00	05.0	
SPA	eP'	23	00	06.0	
Aug. 25					
BYR	iP	01	39	59.0	
Aug. 25					
BYR	iP	04	43	36.0	
Aug. 25					
BYR	eP	06	04	40.0	
SPA	eP	06	04	45.0	
Aug. 25					
SPA	eP	06	30	56.0	
Aug. 25					
BYR	eP'	07	18	49.0	
SPA	iP'	07	19	05.0	
Aug. 25					
BYR	e(P)	09	25	58.0	
Aug. 25					
BYR	eP	13	23	50.0	
Aug. 25					
BYR	eP	13	34	21.0	
SPA	eP	13	34	05.0	
Aug. 25					
BYR	iP	14	59	25.0	
Aug. 25					
BYR	e(P)	17	28	45.0	
Aug. 25					
SPA	eP	19	15	55.0	
Aug. 25					
BYR	iP	21	38	56.0	
Aug. 25					
SPA	iP	23	38	32.0	
Aug. 26					
BYR	e(P)	00	32	49.0	
Aug. 26					
SPA	eP	00	45	42.0	
Aug. 26					
BYR	iP	02	56	20.0	
SPA	iP	02	56	39.0	
Aug. 26					
SPA	e(P)	05	09	06.0	
Aug. 26					
BYR	eP	05	20	28.0	
	e		26	21.0	
SPA	iP	05	20	48.0	
Aug. 26					
BYR	eP	07	01	54.0	
Aug. 26					
BYR	eP	08	18	23.0	
Aug. 26					
BYR	iP	09	40	21.0	
Aug. 26					
BYR	e(P)	11	58	04.0	
Aug. 26					
BYR	eP	18	14	14.0	
SPA	iP	18	14	18.0	
Aug. 26					
BYR	iP	18	48	55.0	
SPA	iP	18	48	40.0	
Aug. 26					
SPA	eP	18	54	56.0	
Aug. 26					
SPA	eP	19	10	41.0	
Aug. 27					
SPA	eP	00	08	04.0	
Aug. 27					
SPA	e(P)	01	32	37.0	
Aug. 27					
BYR	iP	02	03	48.0	
SPA	iP	02	03	30.0	
Aug. 27					
BYR	eP	03	02	28.0	
SPA	iP	03	02	34.0	
Aug. 27					
BYR	iP	03	02	52.0	
	e		03	43.0	
Aug. 27					
BYR	eP	03	05	49.0	
Aug. 27					
BYR	e(P)	05	15	46.0	
Aug. 27					
SPA	iP	06	54	04.0	
Aug. 27					
BYR	eP	12	19	46.0	
SPA	eP	12	20	37.0	
Aug. 27					
BYR	eP	15	37	13.0	
SPA	iP	15	39	21.0	
Aug. 27					
BYR	eP	15	56	35.0	
Aug. 27					
BYR	eP'	16	41	13.0	
SPA	eP'	16	41	21.0	
Aug. 27					
BYR	e(P)	16	53	00.0	
Aug. 27					
BYR	eP	17	02	07.0	
	eP'		06	12.0	
SPA	eP'	17	06	08.0	
Aug. 27					
BYR	eP	17	15	00.0	
SPA	iP	17	15	12.0	
Aug. 27					
BYR	eP'	21	15	24.0	
	epP'		15	38.0	
Aug. 27					
BYR	eP'	22	27	58.0	
SPA	iP'	22	27	43.0	

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Date and Station	Phase (GCT)	h m s
Aug. 28		
BYR	eP	02 07 23.0
	e	11 41.0
Aug. 28		
BYR	eP	03 29 25.0
SPA	iP	03 30 08.0
Aug. 28		
BYR	iP	06 39 07.0
SPA	iP	06 39 45.0
Aug. 28		
SPA	eP	07 10 02.0
Aug. 28		
BYR	eP	07 49 01.0
Aug. 28		
SPA	iP	07 52 18.0
Aug. 28		
BYR	iP	08 19 07.0
	e	22 25.0
SPA	iP	08 18 53.0
Aug. 28		
BYR	eP'	09 29 37.0
SPA	iP'	09 29 45.0
Aug. 28		
BYR	iP	09 54 09.0
SPA	iP	09 54 40.0
Aug. 28		
SPA	iP	10 03 14.0
Aug. 28		
BYR	eP	10 22 18.0
SPA	eP	10 22 22.0
Aug. 28		
BYR	iP	10 51 01.0
	epP	51 30.0
SPA	eP	10 51 40.0
Aug. 28		
BYR	eP'	12 33 06.0
SPA	eP'	12 33 16.0
Aug. 28		
BYR	eP'	13 27 22.0
Aug. 28		
BYR	eP	15 13 50.0
SPA	iP	15 12 45.0
Aug. 28		
BYR	eP	17 53 26.0
Aug. 28		
BYR	eP	17 58 38.0
SPA	iP	17 59 30.0
Aug. 28		
BYR	eP'	18 21 15.0
Aug. 28		
SPA	eP	19 39 09.0
Aug. 28		
BYR	eP	20 35 46.0
	ePcP	36 42.0
SPA	iP	20 36 54.0
Aug. 28		
SPA	eP	21 05 15.0
Aug. 28		
BYR	iP	21 38 14.0
	epP	38 40.0
SPA	iP	21 38 54.0
	epP	39 23.0
Aug. 28		
BYR	iP	23 10 46.0
Aug. 29		
BYR	iP	00 09 38.0
Aug. 29		
BYR	eP	03 04 08.0
Aug. 29		
BYR	e(P)	03 26 56.0
Aug. 29		
SPA	eP	04 27 37.0
Aug. 29		
BYR	eP	06 14 49.0
	epP	15 02.0
SPA	eP	06 15 02.0
Aug. 29		
SPA	e(P)	06 57 01.0
Aug. 29		
BYR	e(P)	07 10 44.0
Aug. 29		
BYR	eP	07 11 50.0
Aug. 29		
BYR	eP	08 03 09.0
SPA	eP	08 03 06.0
Aug. 29		
BYR	iP	08 15 29.0
SPA	eP	08 16 07.0
Aug. 29		
BYR	eP	10 13 51.0
SPA	iP	10 14 27.0
Aug. 29		
BYR	iP	10 57 13.0
SPA	iP	10 56 54.0
Aug. 29		
BYR	iP	11 58 33.0
	epP	59 03.0
SPA	eP	11 59 11.0
Aug. 29		
BYR	e(P)	13 52 54.0
Aug. 29		
BYR	eP	14 27 09.0
SPA	eP	14 26 02.0
Aug. 29		
BYR	eP	15 10 28.0
SPA	iP	15 10 39.0
Aug. 29		
BYR	e(P)	17 30 16.0
Aug. 29		
BYR	eP	17 39 22.0
Aug. 29		
SPA	eP	17 42 36.0
Aug. 29		
BYR	iP	21 45 07.0
	epP	45 41.0
SPA	iP	21 45 24.0
Aug. 29		
SPA	eP	22 34 49.0
Aug. 29		
BYR	iP'	22 55 34.0
SPA	eP'	22 55 57.0
Aug. 30		
SPA	iP	00 23 03.0
Aug. 30		
BYR	iP	00 25 45.0
Aug. 30		
BYR	iP	02 30 04.0
Aug. 30		
BYR	eP'	02 44 55.0
SPA	iP'	02 45 14.0
Aug. 30		
BYR	eP	03 48 03.0
SPA	eP	03 48 48.0
Aug. 30		
BYR	eP	03 57 29.0
SPA	iP	03 58 08.0
Aug. 30		
BYR	iP	04 33 04.0
SPA	eP	04 32 46.0
Aug. 30		
BYR	eP	04 48 21.0
Aug. 30		
BYR	eP	08 23 18.0
Aug. 30		
SPA	e(P)	14 00 19.0
Aug. 30		
BYR	eP'	15 10 57.0
Aug. 30		
BYR	eP	17 53 09.0
	ipP	54 14.0
Aug. 30		
BYR	iP	19 21 40.0
SPA	iP	19 21 59.0
Aug. 30		
SPA	eP	19 39 46.0
Aug. 30		
BYR	iP	21 43 19.0
SPA	iP	21 43 02.0
Aug. 30		
BYR	eP	22 28 59.0
SPA	iP	22 28 46.0
Aug. 30		
SPA	e(P)	22 50 05.0
Aug. 30		
SPA	iP	23 34 25.0
Aug. 31		
BYR	iP	00 32 28.0
SPA	eP	00 33 04.0
Aug. 31		
BYR	eP	01 01 58.0
SPA	eP	01 02 07.0
Aug. 31		
BYR	eP	01 23 19.0
Aug. 31		
BYR	iP	01 59 08.0
	epP	02 01 16.0
SPA	iP	01 59 44.0
	ipP	02 01 51.0

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Date and Station	Phase (GCT)	h	m	s
Aug. 31				
BYR	iP	02	07	38.0
	epP		09	56.0
	eS		16	13.0
SPA	iP	02	08	14.0
	epP		10	22.0
Aug. 31				
SPA	e(P)	02	37	19.0
Aug. 31				
SPA	e(P)	02	54	53.0
Aug. 31				
BYR	e(P)	03	07	26.0
Aug. 31				
BYR	e(P)	03	19	14.0
Aug. 31				
BYR	iP	03	40	48.0
SPA	eP	03	41	18.0
Aug. 31				
BYR	iP	04	07	51.0
SPA	iP	04	08	26.0
Aug. 31				
SPA	e(P)	08	26	38.0
Aug. 31				
SPA	e(P)	09	43	46.0
Aug. 31				
BYR	eP	10	05	53.0
SPA	iP	10	06	06.0
Aug. 31				
BYR	iP	10	08	32.0
Aug. 31				
BYR	eP	14	36	51.0
Aug. 31				
BYR	iP	15	10	23.0
	epP		10	39.0
SPA	iP	15	11	06.0
Aug. 31				
BYR	e(P)	17	12	30.0
Aug. 31				
SPA	eP	21	19	07.0
Aug. 31				
SPA	iP	23	37	18.0
Sep. 1				
BYR	eP	00	16	01.0
	epP		16	31.0
	S		22	12.0
SPA	iP	00	15	44.0

Date and Station	Phase (GCT)	h	m	s
Sep. 1				
SPA	e(P)	10	11	43.0
Sep. 1				
SPA	iP	14	55	43.0
Sep. 1				
BYR	eP	15	03	09.0
SPA	iP	15	02	48.0
	e		03	44.0
Sep. 1				
BYR	iP	16	33	29.0
SPA	eP	16	34	07.0
Sep. 1				
BYR	eP	16	48	36.0
SPA	iP	16	47	43.0
Sep. 1				
BYR	iP	18	51	31.0
SPA	iP	18	52	01.0
Sep. 1				
BYR	iP	19	03	54.0
SPA	eP	19	04	38.0
Sep. 1				
BYR	eP'	19	18	33.0
	ePP		21	28.0
	eSKS		25	54.0
Sep. 1				
BYR	eP	19	26	47.0
SPA	iP	19	27	18.0
Sep. 1				
BYR	eP	20	12	03.0
SPA	eP	20	11	22.0
Sep. 2				
BYR	eP'	00	45	12.0
	eSKP		48	47.0
	e		57	04.0
SPA	iP'	00	45	32.0
Sep. 2				
BYR	iP	01	01	53.0
SPA	iP	01	01	45.0
Sep. 2				
SPA	e(P)	03	18	43.0
Sep. 2				
BYR	eP	03	53	34.0
	ePcP		56	04.0
	eL	04	01	09.0
SPA	eP	03	53	20.0

Date and Station	Phase (GCT)	h	m	s
Sep. 2				
BYR	eP	06	28	42.0
SPA	iP	06	29	18.0
Sep. 2				
BYR	eP'	07	52	38.0
Sep. 2				
BYR	eP	10	05	35.0
SPA	eP		06	37.0
Sep. 2				
BYR	e(P')	11	07	53.0
SPA	iP	11	03	15.0
Sep. 2				
BYR	eP	12	37	53.0
SPA	eP	12	38	23.0
Sep. 2				
SPA	eP	12	41	13.0
Sep. 2				
BYR	e(P)	13	04	55.0
Sep. 2				
BYR	e(P)	13	19	17.0
Sep. 2				
BYR	eP	15	13	23.0
Sep. 2				
SPA	eP	17	57	31.0
Sep. 2				
SPA	eP	18	05	03.0
Sep. 2				
BYR	e(P)	19	14	14.0
	e		19	46.0
Sep. 3				
BYR	e(P)	01	47	00.0
Sep. 3				
BYR	eP	05	01	13.0
Sep. 3				
BYR	e(P)	06	16	12.0
Sep. 3				
BYR	eP	08	09	56.0
Sep. 3				
BYR	eP	09	17	19.0
SPA	iP	09	16	28.0
Sep. 3				
SPA	e(P)	10	03	50.0
Sep. 3				
SPA	eP	11	32	39.0

Date and Station	Phase (GCT)	h	m	s
Sep. 3				
BYR	eP	15	33	32.0
Sep. 3				
SPA	eP'	17	48	51.0
Sep. 3				
BYR	iP	18	41	45.0
	e		42	10.0
	e		42	22.0
SPA	iP	18	41	44.0
Sep. 4				
BYR	eP'	01	11	24.0
SPA	eP'	01	11	56.0
Sep. 4				
BYR	iP'	03	35	22.0
	e		38	04.0
	ePKKP		45	14.0
SPA	iP'	03	35	23.0
Sep. 4				
BYR	iP	03	47	51.0
	e		48	12.0
SPA	iP	03	47	32.0
Sep. 4				
BYR	eP	04	31	39.0
SPA	eP	04	32	51.0
Sep. 4				
BYR	eP	04	47	34.0
	e		47	48.0
Sep. 4				
BYR	eP'	05	12	19.0
SPA	eP'	05	12	38.0
Sep. 4				
BYR	iP	06	46	20.0
SPA	eP	06	47	05.0
Sep. 4				
BYR	eP	07	38	20.0
Sep. 4				
BYR	eP	07	39	35.0
Sep. 4				
BYR	eP	07	40	17.0
Sep. 4				
SPA	eP	08	59	00.0
Sep. 4				
BYR	eP'	10	08	02.0
	epP		08	14.0
SPA	iP	10	08	35.0

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Date and Station		Phase	h	m	s
Sep. 4					
SPA	eP		13	45	58.0
Sep. 4					
BYR	iP		16	22	17.0
SPA	eP		16	22	12.0
Sep. 4					
BYR	eP'		17	34	57.0
Sep. 4					
BYR	eP		18	52	08.0
SPA	eP		18	52	53.0
Sep. 4					
SPA	eP'		19	04	38.0
Sep. 4					
BYR	eP		19	31	51.0
SPA	eP		19	31	55.0
Sep. 4					
BYR	eP		22	41	17.0
Sep. 4					
SPA	iP		22	44	30.0
Sep. 5					
BYR	eP		00	57	27.0
SPA	eP		00	58	04.0
Sep. 5					
BYR	eP		01	17	27.0
SPA	eP		01	17	05.0
Sep. 5					
SPA	e(P)		02	59	00.0
Sep. 5					
BYR	eP'		06	32	03.0
SPA	iP'		06	31	55.0
Sep. 5					
BYR	eP'		09	30	33.0
SPA	eP'		09	30	39.0
Sep. 5					
BYR	eP'		11	53	53.0
SPA	iP'		11	54	15.0
	iSKS		12	05	13.0
Sep. 5					
BYR	eP		13	48	21.0
	epP			48	46.0
	esP			48	59.0
SPA	eP		13	49	15.0
	e			49	28.0
Sep. 5					
BYR	eP'		14	19	00.0

Date and Station		Phase	h	m	s
SPA	eP'		14	19	20.0
Sep. 5					
BYR	eP'		14	29	09.0
SPA	eP'		14	28	55.0
Sep. 5					
SPA	e(P)		15	04	03.0
Sep. 5					
BYR	e(P)		16	06	51.0
Sep. 5					
SPA	e(P)		17	22	07.0
Sep. 5					
BYR	e(P)		23	30	40.0
Sep. 6					
BYR	e(P)		02	20	41.0
Sep. 6					
SPA	eP		03	43	43.0
Sep. 6					
BYR	eP		06	17	48.0
SPA	iP		06	16	37.0
Sep. 6					
BYR	iP		07	10	08.0
	e			10	40.0
SPA	iP		07	10	06.0
Sep. 6					
SPA	e(P)		07	57	11.0
Sep. 6					
BYR	iP		08	25	54.0
SPA	iP		08	25	40.0
Sep. 6					
BYR	iP		08	27	46.0
SPA	iP		08	27	27.0
Sep. 6					
SPA	e(P)		09	55	08.0
Sep. 6					
BYR	eP		10	11	06.0
Sep. 6					
SPA	eP		10	19	25.0
Sep. 6					
BYR	eP		10	50	24.0
SPA	iP		10	50	08.0
Sep. 6					
BYR	eP		12	33	09.0
SPA	eP		12	33	50.0

Date and Station		Phase	h	m	s
Sep. 6					
BYR	eP'		13	54	31.0
	e			57	54.0
SPA	iP'		13	54	20.0
Sep. 6					
BYR	iP		15	41	41.0
	e			45	03.0
SPA	iP		15	42	25.0
Sep. 6					
SPA	eP		19	12	04.0
Sep. 6					
BYR	iP		21	14	58.0
Sep. 7					
BYR	eP		01	06	54.0
Sep. 7					
BYR	eP		01	25	19.0
SPA	iP		01	24	33.0
Sep. 7					
SPA	eP		01	56	46.0
Sep. 7					
BYR	e(P)		02	25	30.0
Sep. 7					
BYR	eP		02	56	04.0
SPA	eP		02	56	34.0
Sep. 7					
SPA	e(P)		05	50	54.0
Sep. 7					
SPA	eP		07	01	27.0
Sep. 7					
SPA	eP		15	58	36.0
Sep. 7					
BYR	eP		16	59	18.0
SPA	eP		16	59	05.0
Sep. 8					
BYR	iP		00	24	31.0
	eSKP			28	02.0
Sep. 8					
BYR	eP		00	34	32.0
SPA	eP		00	34	33.0
Sep. 8					
SPA	eP		00	39	44.0
Sep. 8					
BYR	eP		01	42	49.0
Sep. 8					
BYR	eP		02	52	40.0

Date and Station		Phase	h	m	s
Sep. 8					
BYR	eP		03	09	16.0
SPA	eP		03	10	27.0
Sep. 8					
BYR	eP		05	11	25.0
SPA	eP		05	11	47.0
Sep. 8					
BYR	eP		06	09	48.0
Sep. 8					
BYR	eP		06	20	04.0
Sep. 8					
BYR	eP		07	40	33.0
Sep. 8					
SPA	eP		07	41	28.0
Sep. 8					
SPA	e(P)		07	55	30.0
Sep. 8					
BYR	iP		09	02	21.0
	e			03	00.0
SPA	iP		09	02	09.0
Sep. 8					
SPA	eP		10	11	33.0
Sep. 8					
BYR	iP		11	33	20.0
	ePP			34	47.0
	eScS			43	48.0
SPA	iP		11	33	06.0
	iScP			39	16.0
Sep. 8					
BYR	e(P)		12	04	04.0
Sep. 8					
BYR	e(P)		12	11	43.0
	e			12	58.0
Sep. 8					
SPA	e(P)		12	30	18.0
Sep. 8					
BYR	iP		12	48	04.0
SPA	eP		12	48	01.0
Sep. 8					
BYR	eP		12	53	04.0
SPA	eP		12	53	34.0
Sep. 8					
BYR	iP		13	13	05.0
SPA	iP		13	12	50.0

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Date and Station		Phase	h	m	s
Sep. 8					
BYR	iP		13	28	34.0
	e			30	59.0
Sep. 8					
SPA	eP		14	08	38.0
Sep. 8					
BYR	eP		14	16	44.0
SPA	iP		14	17	00.0
Sep. 8					
BYR	iP		14	26	59.0
SPA	eP		14	26	44.0
Sep. 8					
SPA	eP		14	35	27.0
Sep. 8					
BYR	eP		15	04	56.0
SPA	eP		15	04	39.0
Sep. 8					
BYR	iP		15	06	33.0
Sep. 8					
BYR	iP		15	40	16.0
SPA	iP		15	40	02.0
Sep. 8					
BYR	eP		16	24	38.0
Sep. 8					
SPA	iP		17	43	21.0
Sep. 8					
BYR	eP		18	41	43.0
SPA	eP		18	41	32.0
Sep. 8					
BYR	eP		19	19	21.0
SPA	eP		19	19	06.0
Sep. 8					
BYR	iP		19	41	38.0
Sep. 8					
BYR	e(P)		20	04	28.0
Sep. 8					
BYR	iP		20	15	26.0
Sep. 8					
BYR	e(P)		20	40	53.0
Sep. 8					
BYR	iP		20	41	49.0
Sep. 8					
BYR	iP		22	51	52.0
Sep. 8					
BYR	eP		23	02	14.0

Date and Station		Phase	h	m	s
Sep. 8					
BYR	eP		23	22	36.0
Sep. 9					
BYR	iP		01	19	22.0
Sep. 9					
BYR	iP		02	28	17.0
SPA	iP		02	28	00.0
Sep. 9					
BYR	eP		02	48	12.0
	e			49	44.0
SPA	iP		02	47	27.0
Sep. 9					
BYR	eP		02	52	51.0
Sep. 9					
BYR	eP		03	06	56.0
Sep. 9					
BYR	iP		06	14	27.0
Sep. 9					
BYR	iP		08	42	35.0
Sep. 9					
BYR	eP'		09	29	42.0
SPA	eP'		09	29	50.0
Sep. 9					
BYR	eP'		09	34	52.0
Sep. 9					
BYR	eP		10	29	37.0
Sep. 9					
BYR	iP		13	33	10.0
Sep. 9					
BYR	eP		13	47	10.0
SPA	eP		13	46	56.0
Sep. 9					
BYR	e(P)		15	34	12.0
Sep. 9					
BYR	iP		15	35	46.0
SPA	iP		15	35	59.0
Sep. 9					
BYR	e(P)		15	51	36.0
Sep. 9					
BYR	eP		19	18	22.0
Sep. 9					
BYR	eP		19	23	05.0
SPA	eP		19	23	51.0
Sep. 9					
SPA	eP		20	05	17.0

Date and Station		Phase	h	m	s
Sep. 9					
BYR	eP		21	55	58.0
Sep. 9					
BYR	e(P)		22	41	10.0
Sep. 9					
BYR	iP		23	23	56.0
Sep. 10					
BYR	eP		01	06	28.0
SPA	eP		01	06	33.0
Sep. 10					
BYR	iP		01	11	32.0
SPA	iP		01	12	17.0
	i			14	52.0
Sep. 10					
BYR	eP		02	02	28.0
SPA	eP		02	02	30.0
	e			03	26.0
Sep. 10					
BYR	eP		03	00	27.0
SPA	iP		03	01	01.0
Sep. 10					
BYR	iP		03	05	29.0
SPA	iP		03	05	14.0
Sep. 10					
SPA	e(P)		03	11	23.0
Sep. 10					
BYR	e(P)		04	09	02.0
Sep. 10					
SPA	e(P)		04	22	17.0
Sep. 10					
BYR	iP		04	54	59.0
	ePcP			55	33.0
	ipP			56	46.0
	eP'P'		05	23	40.0
SPA	iP		04	55	32.0
	epP			57	20.0
	iS		05	03	39.0
	iP'P'			23	48.0
Sep. 10					
BYR	eP		07	23	26.0
SPA	eP		07	24	29.0
Sep. 10					
BYR	e(P)		09	48	52.0
Sep. 10					
BYR	iP		11	54	04.0
SPA	iP		11	53	39.0

Date and Station		Phase	h	m	s
Sep. 10					
BYR	iP		14	08	23.0
Sep. 10					
BYR	eP		14	56	05.0
Sep. 10					
BYR	eP		15	56	45.0
SPA	eP		15	55	34.0
Sep. 10					
SPA	eP'		16	36	22.0
Sep. 10					
BYR	e(P)		16	46	12.0
Sep. 10					
BYR	iP		17	40	22.0
Sep. 10					
BYR	iP		17	53	45.0
SPA	iP		17	54	27.0
Sep. 10					
BYR	eP		18	18	40.0
	epP			19	17.0
SPA	iP		18	19	14.0
	epP			19	52.0
Sep. 10					
BYR	iP		18	26	06.0
	i			26	18.0
SPA	iP		18	26	36.0
	e			26	48.0
Sep. 10					
BYR	eP		21	57	03.0
Sep. 11					
BYR	iP		00	17	42.0
Sep. 11					
BYR	iP		01	28	47.0
SPA	iP		01	28	33.0
Sep. 11					
SPA	iP		01	45	19.0
Sep. 11					
BYR	iP		01	54	09.0
Sep. 11					
SPA	e(P)		02	54	43.0
Sep. 11					
BYR	eP'		03	06	00.0
	eSKP			09	39.0
	e			13	50.0
SPA	iP		03	06	09.0
Sep. 11					
SPA	iP		03	18	15.0

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Date and Station	Phase	(GCT) h m s
Sep. 11		
BYR	iP	03 31 07.0
SPA	eP	03 30 34.0
Sep. 11		
BYR	iP	03 39 31.0
SPA	eP	03 39 17.0
Sep. 11		
BYR	iP	04 02 40.0
SPA	iP	04 02 26.0
Sep. 11		
BYR	iP	06 05 59.0
	epP	06 29.0
SPA	iP	06 06 41.0
Sep. 11		
BYR	eP	07 15 59.0
Sep. 11		
BYR	eP	07 28 15.0
Sep. 11		
BYR	iP	08 34 52.0
	e	35 34.0
SPA	iP	08 35 32.0
	e	36 14.0
Sep. 11		
BYR	eP'	09 32 44.0
SPA	eP'	09 32 35.0
Sep. 11		
SPA	e(P)	10 49 41.0
Sep. 11		
SPA	eP	11 49 42.0
Sep. 11		
SPA	iP	12 46 29.0
Sep. 11		
BYR	iP	12 49 57.0
Sep. 11		
BYR	iP	14 46 44.0
Sep. 11		
BYR	eP	14 55 30.0
SPA	iP	14 56 31.0
Sep. 11		
SPA	eP	15 44 04.0
Sep. 11		
BYR	iP	16 44 52.0
Sep. 11		
BYR	iP	17 06 57.0
SPA	eP	17 07 34.0

Date and Station	Phase	(GCT) h m s
Sep. 11		
SPA	eP	17 43 56.0
Sep. 11		
BYR	iP	19 45 27.0
SPA	eP	19 45 12.0
Sep. 11		
BYR	eP	20 11 51.0
SPA	iP	20 10 38.0
Sep. 11		
SPA	iP	21 37 26.0
Sep. 11		
SPA	iP	21 47 44.0
Sep. 11		
BYR	iP	22 28 18.0
SPA	eP	22 28 43.0
Sep. 11		
BYR	iP	22 39 56.0
SPA	eP	22 39 41.0
Sep. 12		
BYR	eP	00 06 34.0
	eSKP	09 56.0
SPA	eP	00 06 39.0
Sep. 12		
SPA	iP	00 27 43.0
Sep. 12		
BYR	iP	01 25 15.0
SPA	iP	01 25 33.0
Sep. 12		
BYR	eP	01 54 50.0
SPA	eP	01 54 34.0
Sep. 12		
SPA	iP	05 17 54.0
Sep. 12		
SPA	eP	05 31 42.0
Sep. 12		
BYR	eP'	05 57 29.0
SPA	eP'	05 57 43.0
Sep. 12		
SPA	e(P)	06 25 33.0
Sep. 12		
SPA	eP	08 13 10.0
Sep. 12		
BYR	eP	08 37 52.0
SPA	iP	08 37 37.0

Date and Station	Phase	(GCT) h m s
Sep. 12		
SPA	e(P)	09 13 10.0
Sep. 12		
BYR	iP	11 28 58.0
	epP	30 56.0
SPA	iP	11 29 33.0
Sep. 12		
SPA	e(P)	11 56 26.0
Sep. 12		
SPA	eP	12 08 56.0
Sep. 12		
BYR	eP'	12 46 18.0
SPA	eP'	12 46 20.0
Sep. 12		
BYR	eP	16 02 46.0
Sep. 12		
BYR	eP	16 30 09.0
SPA	iP	16 30 38.0
Sep. 12		
SPA	iP	16 56 28.0
	e	58 33.0
Sep. 12		
SPA	eP	19 29 39.0
Sep. 12		
BYR	eP	19 35 31.0
SPA	iP	19 35 18.0
	eS	40 45.0
Sep. 12		
SPA	eP	20 07 22.0
Sep. 12		
SPA	e(P)	20 14 33.0
Sep. 13		
SPA	eP	00 44 33.0
Sep. 13		
BYR	eP	03 18 09.0
SPA	iP	03 18 01.0
Sep. 13		
SPA	e(P)	04 29 32.0
Sep. 13		
BYR	e(P)	05 15 45.0
Sep. 13		
BYR	eP	09 49 29.0
Sep. 13		
BYR	eP	09 54 40.0
SPA	eP	09 55 07.0

Date and Station	Phase	(GCT) h m s
Sep. 13		
BYR	e(P)	11 43 04.0
Sep. 13		
BYR	eP	12 39 11.0
Sep. 13		
SPA	e(P)	13 00 31.0
Sep. 13		
SPA	e(P)	13 57 26.0
Sep. 13		
BYR	eP	14 17 19.0
SPA	iP	14 16 47.0
Sep. 13		
SPA	eP'	14 24 30.0
Sep. 13		
BYR	eP	16 07 34.0
SPA	iP	16 07 17.0
Sep. 13		
BYR	iP	18 52 03.0
Sep. 13		
BYR	eP	19 32 36.0
SPA	eP	19 31 48.0
Sep. 13		
BYR	eP	20 53 40.0
SPA	eP	20 52 41.0
Sep. 13		
BYR	iP	21 27 06.0
	epP	27 16.0
	e	27 56.0
SPA	iP	21 28 01.0
Sep. 13		
SPA	iP	21 58 46.0
Sep. 13		
SPA	eP	23 24 07.0
Sep. 14		
SPA	eP	03 04 14.0
Sep. 14		
SPA	e(P)	05 15 46.0
Sep. 14		
BYR	e(P)	05 20 51.0
	e	26 10.0
Sep. 14		
BYR	e(P)	05 59 04.0
Sep. 14		
BYR	eP	06 25 36.0
SPA	eP	06 26 16.0

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Date and Station	Phase	(GCT)
		h m s
Sep. 14		
BYR	iP	06 47 22.0
Sep. 14		
BYR	eP	08 12 58.0
Sep. 14		
BYR	eP'	08 22 22.0
SPA	iP'	08 22 02.0
Sep. 14		
SPA	e(P)	12 49 06.0
Sep. 14		
SPA	eP	13 14 09.0
Sep. 14		
BYR	eP	14 38 29.0
SPA	eP	14 38 48.0
Sep. 14		
SPA	e(P)	17 19 09.0
Sep. 14		
BYR	eP	18 16 33.0
Sep. 14		
BYR	eP	18 36 39.0
SPA	eP	18 38 01.0
	e	38 30.0
Sep. 14		
BYR	eP	18 54 16.0
SPA	iP	18 54 47.0
Sep. 14		
BYR	iP	19 50 37.0
Sep. 14		
BYR	eP'	22 09 45.0
SPA	eP'	22 09 42.0
Sep. 14		
BYR	eP	22 49 11.0
SPA	eP	22 49 47.0
Sep. 14		
BYR	iP	23 32 46.0
SPA	eP	23 32 11.0
Sep. 15		
BYR	iP	00 31 28.0
Sep. 15		
BYR	iP	01 32 52.0
SPA	iP	01 32 57.0
Sep. 15		
BYR	eP'	02 05 11.0
	ePKKP	15 23.0
SPA	iP'	02 05 06.0
	iPKKP	14 49.0
Sep. 15		
SPA	e(P)	02 40 35.0
Sep. 15		
SPA	e(P)	03 27 08.0
Sep. 15		
BYR	e(P)	04 58 06.0
Sep. 15		
SPA	iP	05 42 23.0
Sep. 15		
BYR	iP	09 02 38.0
SPA	eP	09 02 23.0
Sep. 15		
SPA	e(P)	09 12 01.0
Sep. 15		
BYR	iP	10 18 30.0
SPA	iP	10 18 40.0
Sep. 15		
BYR	eP	10 32 52.0
Sep. 15		
BYR	eP	14 17 59.0
SPA	iP	14 17 46.0
	e	18 29.0
Sep. 15		
BYR	eP	15 02 36.0
Sep. 15		
BYR	eP	15 47 18.0
SPA	eP	15 47 54.0
Sep. 15		
BYR	eP	17 00 30.0
SPA	iP	17 01 21.0
Sep. 15		
SPA	e(P)	18 19 52.0
Sep. 15		
SPA	iP	18 40 32.0
Sep. 15		
BYR	iP	21 36 42.0
	epP	36 59.0
SPA	iP	21 36 09.0
Sep. 16		
BYR	iP	00 07 51.0
	e	13 51.0
SPA	iP	00 07 36.0
	i	07 56.0
	i	10 12.0
Sep. 16		
BYR	iP	01 56 34.0
Sep. 16		
BYR	eP	05 12 09.0
Sep. 16		
SPA	iP	09 43 33.0
Sep. 16		
BYR	eP	10 43 32.0
Sep. 16		
SPA	e(P)	11 18 45.0
Sep. 16		
BYR	eP	12 01 42.0
SPA	eP	12 01 35.0
Sep. 16		
BYR	e(P)	12 14 44.0
Sep. 16		
BYR	iP'	12 27 53.0
	e	35 28.0
SPA	iP'	12 27 50.0
Sep. 16		
BYR	e(P)	12 38 00.0
	e	42 39.0
Sep. 16		
BYR	e(P)	14 01 33.0
Sep. 16		
BYR	eP	14 46 11.0
Sep. 16		
SPA	e(P)	15 28 04.0
Sep. 16		
BYR	eP	15 42 02.0
SPA	eP	15 42 44.0
Sep. 16		
BYR	eP'	17 37 02.0
SPA	eP'	17 37 08.0
Sep. 16		
BYR	iP	20 13 21.0
	epP	15 28.0
	e	15 36.0
SPA	iP	20 13 56.0
	ipP	16 09.0
Sep. 16		
BYR	iP	21 28 16.0
SPA	iP	21 27 23.0
Sep. 16		
BYR	eP	23 08 51.0
Sep. 17		
BYR	iP	01 24 40.0
SPA	iP	01 24 21.3
Sep. 17		
BYR	eP	03 17 14.0
SPA	eP	03 18 22.3
Sep. 17		
BYR	eP	05 55 41.0
SPA	iP	05 56 17.0
Sep. 17		
BYR	eP	06 19 11.0
SPA	eP	06 19 55.0
Sep. 17		
BYR	iP	08 34 28.0
SPA	iP	08 34 13.0
Sep. 17		
BYR	eP'	09 00 41.0
Sep. 17		
SPA	eP	09 11 21.0
Sep. 17		
BYR	e(P)	14 04 44.0
Sep. 17		
BYR	eP	15 55 36.0
SPA	iP	15 55 27.0
Sep. 17		
BYR	eP	17 26 46.0
SPA	eP	17 26 40.0
Sep. 17		
BYR	eP	19 11 14.0
SPA	eP	19 12 09.0
Sep. 17		
SPA	eP	19 23 27.0
Sep. 17		
BYR	eP	19 31 01.0
Sep. 17		
SPA	eP'	21 15 44.0
Sep. 17		
BYR	iP	23 34 37.0
	eS	44 33.0
	ePKKP	52 47.0
SPA	iP	23 34 47.0
Sep. 18		
SPA	eP	00 18 00.0
Sep. 18		
SPA	e(P)	02 34 01.0

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Date and Station	Phase	(GCT)
Sep. 18		h m s
BYR	eP'	02 44 27.0
SPA	eP'	02 44 44.0
Sep. 18		
SPA	eP	03 27 12.0
Sep. 18		
SPA	e(P)	03 45 16.0
Sep. 18		
BYR	eP	05 04 52.0
SPA	iP	05 05 31.0
Sep. 18		
BYR	eP'	05 27 45.0
	eSKP	31 05.0
Sep. 18		
BYR	iP	05 36 15.0
Sep. 18		
BYR	iP	09 03 21.0
Sep. 18		
BYR	eP	09 31 28.0
SPA	iP	09 31 43.0
Sep. 18		
BYR	eP'	11 20 21.0
SPA	iP'	11 20 10.0
	i	20 27.0
	e	20 39.0
Sep. 18		
SPA	iP	12 27 58.0
Sep. 18		
SPA	e(P)	15 12 02.0
Sep. 18		
BYR	eP	15 48 16.0
SPA	iP	15 48 29.0
	iPcP	49 04.0
	e	54 44.0
Sep. 18		
BYR	iP	15 55 05.0
Sep. 18		
BYR	iP	17 01 04.0
SPA	eP	17 00 49.0
Sep. 18		
SPA	e(P)	19 57 45.0
Sep. 18		
SPA	eP	20 53 15.0
Sep. 18		
BYR	eP	21 09 32.0
SPA	eP	21 10 34.0
	i	12 30.0

Date and Station	Phase	(GCT)
Sep. 19		h m s
BYR	eP	02 16 23.0
Sep. 19		
BYR	iP	02 35 30.0
	ePcP	36 03.0
	eP'P'	03 03 48.0
SPA	iP	02 36 02.0
	epP	38 00.0
	iS	44 32.0
Sep. 19		
BYR	e(P)	06 13 34.0
Sep. 19		
BYR	eP'	06 28 16.0
Sep. 19		
BYR	eP	06 41 28.0
SPA	eP	06 41 46.0
Sep. 19		
SPA	e(P)	07 37 53.0
Sep. 19		
BYR	eP	09 32 20.0
SPA	eP	09 32 04.0
Sep. 19		
BYR	eP	09 42 52.0
SPA	iP	09 41 51.0
Sep. 19		
BYR	eP	09 59 12.0
	ePKKP	10 17 09.0
SPA	iP	09 59 51.0
Sep. 19		
BYR	eP	10 20 24.0
SPA	eP	10 20 40.0
Sep. 19		
BYR	eP	11 57 54.0
SPA	eP	11 58 24.0
Sep. 19		
BYR	iP	13 57 51.0
SPA	iP	13 57 31.0
Sep. 19		
SPA	eP	14 07 55.0
Sep. 19		
BYR	iP	18 35 05.0
SPA	iP	18 35 35.0
Sep. 19		
SPA	e(P)	19 03 31.0
Sep. 19		
BYR	eP	19 22 00.0

Date and Station	Phase	(GCT)
		h m s
SPA	eP	19 22 19.0
Sep. 19		
BYR	eP'	20 24 46.0
SPA	eP'	20 24 26.0
Sep. 19		
BYR	iP	21 41 11.0
	ePP	42 06.0
SPA	iP	21 40 49.0
	ePcP	43 52.0
Sep. 19		
BYR	eP	22 12 38.0
SPA	eP	22 12 49.0
Sep. 19		
BYR	eP	22 40 08.0
Sep. 20		
BYR	eP	02 05 12.0
Sep. 20		
SPA	eP	02 09 05.0
Sep. 20		
BYR	e(P)	02 22 04.0
Sep. 20		
BYR	eP	04 08 40.0
SPA	iP	04 08 19.0
Sep. 20		
SPA	e(P)	04 50 19.0
Sep. 20		
BYR	eP	05 20 35.0
Sep. 20		
SPA	eP	06 39 14.0
Sep. 20		
BYR	eP	06 47 20.0
Sep. 20		
BYR	iP	06 50 09.0
	e	50 59.0
	e	54 06.0
SPA	eP	06 49 48.0
Sep. 20		
SPA	e(P)	07 40 20.0
Sep. 20		
BYR	eP	07 47 23.0
Sep. 20		
BYR	e(P)	08 18 56.0
Sep. 20		
BYR	eP	08 24 49.0
Sep. 20		
BYR	eP	09 28 17.0

Date and Station	Phase	(GCT)
		h m s
SPA	eP	09 27 36.0
Sep. 20		
BYR	iP	12 04 43.0
SPA	iP	12 05 14.0
Sep. 20		
BYR	eP	12 47 02.0
Sep. 20		
BYR	eP	14 43 54.0
SPA	eP	14 44 25.0
Sep. 20		
BYR	eP	15 17 22.0
Sep. 20		
BYR	eP	17 27 38.0
SPA	eP	17 27 53.0
Sep. 20		
SPA	eP	18 35 41.0
Sep. 20		
BYR	eP	18 44 41.0
SPA	eP	18 45 19.0
Sep. 20		
BYR	eP	19 14 34.0
SPA	eP	19 14 39.0
Sep. 20		
BYR	eP	19 16 15.0
SPA	iP	19 16 18.0
	iP'	19 37.0
	eS	27 07.0
Sep. 20		
BYR	eP	19 49 58.0
Sep. 20		
SPA	e(P)	23 19 54.0
Sep. 21		
BYR	eP	03 08 23.0
SPA	iP	03 08 40.0
Sep. 21		
BYR	eP	04 27 40.0
SPA	eP	04 28 20.0
Sep. 21		
SPA	e(P)	05 01 50.0
Sep. 21		
BYR	eP	05 41 53.0
SPA	eP	05 41 33.0

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Date and Station	Phase	(GCT) h m s
Sep. 21		
BYR	eP	10 07 56.0
Sep. 21		
BYR	iP	10 08 09.0
Sep. 21		
BYR	eP	10 40 33.0
Sep. 21		
BYR	e(P)	10 59 47.0
Sep. 21		
BYR	iP	13 07 18.0
SPA	eP	13 08 10.0
Sep. 21		
BYR	iP	14 03 55.0
SPA	eP	14 04 25.0
Sep. 21		
BYR	eP	14 06 45.0
	i	07 23.0
SPA	iP	14 07 02.0
Sep. 21		
BYR	iP	14 25 53.0
SPA	eP	14 25 37.0
	e	31 47.0
Sep. 21		
BYR	eP	16 50 16.0
Sep. 21		
BYR	eP	16 50 35.0
SPA	eP	16 51 28.0
Sep. 21		
BYR	e(P)	17 24 00.0
Sep. 21		
BYR	iP	18 29 07.0
SPA	iP	18 29 50.0
Sep. 21		
BYR	eP	22 43 19.0
Sep. 21		
BYR	eP	22 57 44.0
	e	23 01 44.0
Sep. 22		
BYR	eP	00 27 10.0
Sep. 22		
BYR	eP	05 42 25.0
	e	44 16.0
Sep. 22		
SPA	eP	06 29 23.0
Sep. 22		
BYR	eP	10 25 01.0
SPA	iP	10 25 56.0
Sep. 22		
BYR	eP	11 19 01.0
SPA	eP	11 18 45.0
Sep. 22		
SPA	e(P)	13 04 56.0
Sep. 22		
BYR	eP	15 27 31.0
SPA	eP	15 27 14.0
	e	36 09.0
Sep. 22		
BYR	iP	16 14 22.0
SPA	eP	16 14 52.0
Sep. 22		
SPA	e(P)	16 25 24.0
Sep. 22		
SPA	eP	18 51 05.0
Sep. 22		
BYR	eP	20 15 44.0
SPA	eP	20 15 24.0
Sep. 23		
BYR	eP	00 27 48.0
SPA	eP	00 28 06.0
Sep. 23		
BYR	iP	02 49 04.0
SPA	eP	02 49 12.0
Sep. 23		
SPA	eP	03 15 14.0
Sep. 23		
BYR	iP	04 09 30.0
SPA	iP	04 09 21.0
Sep. 23		
SPA	e(P)	07 05 12.0
Sep. 23		
BYR	iP	08 26 03.0
	epP	26 17.0
SPA	iP	08 26 38.0
Sep. 23		
BYR	eP	12 47 15.0
Sep. 23		
BYR	eP	14 14 15.0
Sep. 23		
BYR	iP	15 14 05.0
	e	14 30.0
	i	23 32.0
SPA	iP	15 14 49.0
Sep. 23		
BYR	eP	17 07 25.0
SPA	eP	17 07 04.0
Sep. 23		
BYR	eP	18 47 02.0
Sep. 23		
BYR	iP	18 53 29.0
	e	55 42.0
Sep. 23		
BYR	e(P)	19 36 02.0
Sep. 23		
BYR	eP'	21 36 48.0
	eSKP	40 06.0
SPA	eP'	21 36 43.0
Sep. 24		
BYR	eP	02 16 59.0
Sep. 24		
BYR	eP	02 28 08.0
Sep. 24		
BYR	eP	04 49 09.0
SPA	iP	04 49 43.0
Sep. 24		
BYR	eP	09 46 02.0
SPA	eP	09 46 39.0
Sep. 24		
BYR	eP	10 41 58.0
Sep. 24		
BYR	eP	13 21 19.0
SPA	eP	13 21 15.0
Sep. 24		
BYR	eP	13 38 14.0
Sep. 24		
BYR	iP	14 03 18.0
Sep. 24		
BYR	iP	16 59 38.0
	e	17 00 41.0
	ePcP	02 07.0
SPA	iP	16 59 21.0
Sep. 24		
BYR	eP	17 05 41.0
	e	12 21.0
SPA	eP	17 05 36.0
Sep. 24		
BYR	iP	18 05 53.0
SPA	eP	18 04 45.0
Sep. 24		
BYR	eP	19 09 42.0
Sep. 24		
BYR	eP	19 18 11.0
SPA	eP	19 17 30.0
Sep. 24		
BYR	eP	19 34 38.0
SPA	eP	19 34 10.0
Sep. 24		
BYR	iP	21 12 39.0
Sep. 24		
BYR	iP	21 59 52.0
	PP	22 01 38.0
	ePKKP	09 36.0
SPA	iP	21 59 50.0
Sep. 24		
SPA	eP	22 12 40.0
Sep. 24		
SPA	e(P)	22 37 46.0
Sep. 25		
BYR	eP	00 48 23.0
Sep. 25		
BYR	iP	01 33 18.0
	epP	33 38.0
SPA	iP	01 34 00.0
Sep. 25		
BYR	iP'	02 05 20.0
SPA	eP'	02 05 17.0
Sep. 25		
BYR	eP'	02 46 23.0
	eSKP	49 56.0
	e(S)	57 40.0
SPA	iP'	02 46 42.0
Sep. 25		
SPA	e(P)	09 06 15.0
Sep. 25		
BYR	eP	09 24 08.0
Sep. 25		
BYR	eP	10 59 46.0
SPA	eP	10 59 36.0
	e	11 08 37.0
Sep. 25		
BYR	iP	11 10 49.0
	e	11 18.0

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Date and Station		Phase (GCT)	h	m	s
Sep. 25					
BYR	iP		14	19	25.0
SPA	iP		14	19	54.0
Sep. 25					
BYR	eP		14	45	48.0
Sep. 25					
BYR	eP		15	34	17.0
Sep. 25					
BYR	eP		16	49	34.0
SPA	eP		16	49	39.0
Sep. 25					
BYR	e(P)		18	21	02.0
Sep. 25					
BYR	eP'		20	41	51.0
SPA	iP'		20	42	16.0
Sep. 25					
BYR	eP		21	33	54.0
Sep. 25					
BYR	eP'		23	47	06.0
Sep. 26					
BYR	eP		03	06	21.0
Sep. 26					
BYR	iP		06	10	42.0
SPA	eP		06	11	33.0
Sep. 26					
BYR	eP		07	22	51.0
Sep. 26					
BYR	iP		07	23	27.0
Sep. 26					
SPA	e(P)		08	09	50.0
Sep. 26					
BYR	iP		10	02	02.0
SPA	eP		10	02	18.0
Sep. 26					
BYR	eP		12	54	02.0
SPA	iP		12	54	52.0
Sep. 26					
BYR	eP		15	23	05.0
SPA	eP		15	24	05.0
Sep. 26					
BYR	e(P)		15	33	23.0
Sep. 26					
BYR	eP		15	39	44.0
SPA	eP		17	40	32.0

Date and Station		Phase (GCT)	h	m	s
Sep. 26					
BYR	eP		17	54	52.0
	e			55	18.0
Sep. 26					
BYR	eP		18	39	57.0
SPA	eP		18	39	52.0
Sep. 26					
BYR	eP		22	42	07.0
	epP			43	03.0
SPA	eP		22	42	44.0
Sep. 27					
BYR	eP		00	48	04.0
Sep. 27					
BYR	eP		00	57	16.0
	epP			58	16.0
SPA	eP		00	57	49.0
Sep. 27					
SPA	e(P)		03	02	20.0
Sep. 27					
BYR	eP		04	24	30.0
SPA	iP		04	24	06.0
Sep. 27					
BYR	iP		05	28	28.0
SPA	iP		05	28	14.0
Sep. 27					
BYR	iP		06	44	09.0
	epP			46	03.0
	eS			52	13.0
SPA	iP		06	44	39.0
	iS			53	11.0
Sep. 27					
SPA	eP		07	02	27.0
Sep. 27					
BYR	eP		07	10	58.0
SPA	iP		07	12	08.0
Sep. 27					
SPA	e(P)		08	40	39.0
Sep. 27					
BYR	e(P')		10	13	27.0
Sep. 27					
SPA	eP		10	27	21.0
Sep. 27					
BYR	eP		11	00	21.0
SPA	iP		11	00	00.0
Sep. 27					
BYR	eP'		11	39	57.0
	eSKP			43	38.0

Date and Station		Phase (GCT)	h	m	s
SPA	eP'		11	40	15.0
Sep. 27					
BYR	e(P)		11	51	41.0
Sep. 27					
BYR	iP		12	14	09.0
	ePP			15	17.0
	e			24	16.0
SPA	iP		12	13	48.0
	iPP			14	34.0
Sep. 27					
SPA	eP		12	45	38.0
Sep. 27					
BYR	eP		13	51	44.0
Sep. 27					
BYR	eP		15	05	49.0
SPA	eP		15	06	04.0
Sep. 27					
BYR	eP		17	20	55.0
Sep. 27					
SPA	e(P)		18	07	08.0
Sep. 27					
BYR	e(P)		18	31	40.0
SPA	e(P)		18	32	12.0
Sep. 27					
BYR	eP		19	25	48.0
SPA	eP		19	26	45.0
Sep. 27					
BYR	eP'		19	39	57.0
	eSKP			43	33.0
SPA	eP'		19	40	19.0
Sep. 27					
BYR	eP'		19	46	14.0
	e			46	24.0
SPA	iP'		19	46	29.0
Sep. 27					
BYR	eP		19	58	08.0
SPA	eP		19	57	41.0
Sep. 27					
BYR	eP		20	15	40.0
Sep. 27					
BYR	eP		22	35	01.0
Sep. 28					
BYR	eP		01	37	11.0
	epP			37	26.0

Date and Station		Phase (GCT)	h	m	s
SPA	iP		01	36	35.0
	epP			36	52.0
	iSKS			46	55.0
Sep. 28					
SPA	eP		02	02	39.0
Sep. 28					
BYR	eP		02	29	33.0
Sep. 28					
BYR	e(P)		03	25	13.0
Sep. 28					
BYR	eP'		03	43	28.0
	ePP			45	09.0
SPA	eP'		03	43	27.0
Sep. 28					
BYR	eP'		03	51	19.0
	ePP			53	21.0
SPA	eP'		03	51	28.0
Sep. 28					
SPA	eP		04	17	11.0
Sep. 28					
BYR	eP'		04	38	01.0
SPA	eP'		04	38	01.0
Sep. 28					
SPA	eP		04	52	17.0
Sep. 28					
BYR	eP'		05	19	28.0
	e			20	38.0
SPA	iP		05	19	20.0
Sep. 28					
BYR	iP		06	20	28.0
Sep. 28					
BYR	eP		06	22	29.0
SPA	iP		06	22	10.0
Sep. 28					
BYR	e(P)		07	13	25.0
Sep. 28					
BYR	e(P)		11	11	27.0
Sep. 28					
SPA	e(P)		11	38	25.0
Sep. 28					
SPA	eP		12	20	15.0
Sep. 28					
BYR	eP		13	23	29.0
Sep. 28					
BYR	eP		14	04	01.0

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Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
	h m s		h m s		h m s		h m s
Sep. 28		Sep. 29		Sep. 29			
SPA e(P)	15 37 44.0	BYR eP	08 46 57.0	BYR eP	22 55 23.0		
				e	55 46.0		
Sep. 28		SPA iP	08 47 14.0				
BYR eP	16 54 46.0			Sep. 30			
		Sep. 29		BYR eP'	00 40 34.0		
Sep. 28		BYR eP	08 59 58.0	eSKP	44 00.0		
BYR eP	17 49 34.0						
epP	49 54.0	SPA eP	08 59 24.0	SPA eP'	00 40 34.4		
SPA iP	17 49 35.0	Sep. 29		Sep. 30			
		SPA e(P)	09 30 20.0	BYR eP	03 29 33.0		
Sep. 28							
BYR eP	21 42 17.0	Sep. 29		SPA eP	03 30 08.5		
		BYR eP	11 33 32.0				
SPA iP	21 43 30.0			Sep. 30			
		SPA iP	11 34 03.0	SPA eP	04 11 07.8		
Sep. 28							
BYR eP	22 55 27.0	Sep. 29		Sep. 30			
epP	55 39.0	BYR eP'	12 15 54.0	BYR e(P)	05 12 08.0		
SPA iP	22 55 08.0	Sep. 29		Sep. 30			
ePKKP	23 05 36.0	BYR eP	12 40 12.0	SPA eP	08 57 38.0		
Sep. 28		Sep. 29		Sep. 30			
BYR iP	23 10 04.0	SPA e(P)	14 20 09.0	SPA e(P)	10 04 37.8		
Sep. 28		Sep. 29		Sep. 30			
BYR iP	23 59 27.0	BYR eP	14 37 42.0	BYR iP	10 25 33.0		
Sep. 29		Sep. 29		SPA iP	10 24 45.8		
BYR iP	01 59 47.0	SPA e(P)	16 03 13.0				
				Sep. 30			
Sep. 29		Sep. 29		SPA e(P)	11 06 09.0		
BYR iP	02 05 18.0	BYR eP'	17 09 33.0				
		eSKP	13 11.0	Sep. 30			
SPA eP	02 05 14.0	e	20 42.0	BYR e(P)	11 39 22.0		
Sep. 29		SPA eP'	17 09 31.0	Sep. 30			
BYR eP	02 33 41.0			BYR eP	11 42 41.0		
		Sep. 29					
Sep. 29		BYR eP	18 35 47.0	Sep. 30			
BYR iP	05 40 06.0			BYR eP	11 49 10.0		
epP	40 20.0	Sep. 29					
eScP	44 21.0	BYR eP	18 36 50.0	SPA eP	11 49 38.5		
SPA iP	05 39 34.0	Sep. 29		Sep. 30			
i ScP	44 56.0	BYR eP	19 19 25.0	SPA e(P)	15 10 41.7		
		epP	19 47.0				
Sep. 29		esP	20 04.0	Sep. 30			
BYR iP	06 18 07.0			BYR e(P)	15 44 37.0		
e	18 13.0	SPA iP	19 19 04.0				
		epP	19 28.0	Sep. 30			
SPA eP	06 18 57.0			BYR eP	16 34 28.0		
		Sep. 29					
Sep. 29		SPA iP	19 29 22.0	Sep. 30			
BYR eP	07 23 15.0			BYR eP	19 23 19.0		
		Sep. 29					
Sep. 29		BYR e(P)	21 19 02.0	SPA iP	19 23 42.8		
SPA e(P)	07 44 30.0						
		Sep. 29		Sep. 30			
Sep. 29		BYR e(P)	21 44 47.0	BYR iP	21 32 17.0		
BYR iP	08 29 30.0						
epP	30 27.0	Sep. 29		Sep. 30			
		BYR e(P)	22 40 18.0	BYR eP	21 51 23.0		
Sep. 29							
BYR eP'	08 43 49.0	Sep. 29		Sep. 30			
e	45 02.0	BYR eP	22 50 33.0	BYR iP	23 10 47.0		
				e	11 14.0		
SPA eP'	08 44 01.0	SPA iP	22 51 10.0				

SEISMOLOGICAL BULLETIN

International Seismological Centre

SOUTH POLE – BYRD SUPPLEMENT

October - December, 1961

MSI – 247A

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U. S. DEPARTMENT OF COMMERCE

John T. Connor, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

Robert M. White, Administrator

COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Director

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International Seismological Centre

SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

October-December 1961

The instrumental results tabulated in this supplement are from the following seismographic stations.

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Components	To (Sec.)	Tg (Sec.)	Time Scale
South Pole (SPA)	90°S.	0°	1995 meters of ice	2800 meters	Benioff Paper Wilson-Lamison (120°E. 60°W.)	Z	1.6	0.5	60mm/min.
In Charge: J. T. Lamping					Horizontal Film.		5.6	0.48	15mm/min.
Byrd (BYR)	80°01'S.	119°31'W.	2570 meters of ice	1515 meters	Benioff	Z	1.2	0.5	60mm/min.
In Charge: D. M. Perkins					Wilson-Lamison with G. E. Galvo.	N	6.2	3.5	30mm/min.
					Wilson-Lamison with G. E. Galvo.	E	7.2	3.5	30mm/min.

These stations were first established by the Coast and Geodetic Survey for the IGY to provide additional control for locating teleseismic epicenters in regions inadequately covered by previously existing stations and to provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

International Seismological Centre

Date and Station	Phase	(GCT) h m s
Oct. 1		
BYR	eP	00 15 03.0
Oct. 1		
BYR	eP'	00 35 06.0
	eSKP	38 41.0
SPA	eP'	00 35 00.3
Oct. 1		
SPA	eP	00 59 34.0
Oct. 1		
SPA	e(P)	03 02 08.3
Oct. 1		
BYR	eP'	03 26 37.0
	e	27 35.0
Oct. 1		
BYR	eP'	03 48 45.0
SPA	eP'	03 48 50.2
Oct. 1		
SPA	eP	07 55 03.8
Oct. 1		
BYR	eP	09 13 52.0
SPA	eP	09 13 37.2
Octo. 1		
BYR	eP	09 58 58.0
Oct. 1		
SPA	eP	13 37 56.4
Oct. 1		
BYR	iP	14 09 13.0
Oct. 1		
SPA	eP	14 17 01.8
Oct. 1		
SPA	iP	20 48 56.3
Oct. 1		
SPA	e(P)	22 03 14.3
Oct. 1		
BYR	e(P)	22 07 08.0
Oct. 1		
BYR	iP	22 22 14.0
	e	22 57.0
SPA	iP	22 22 51.7
Oct. 1		
BYR	iP	23 43 58.0
	epP	44 13.0
Oct. 2		
SPA	eP	01 59 33.5
Oct. 2		
BYR	eP	02 32 54.0
SPA	eP	02 33 33.6
Oct. 2		
SPA	iP	03 30 36.8
Oct. 2		
BYR	eP	03 35 51.0
	e	37 06.0
Oct. 2		
SPA	iP	03 36 27.7
Oct. 2		
BYR	e(P)	03 54 36.0
Oct. 2		
BYR	eP	04 23 00.0
Oct. 2		
BYR	eP	04 53 24.0
Oct. 2		
BYR	eP	05 13 24.0
Oct. 2		
BYR	eP	06 02 45.0
SPA	iP	06 03 17.4
Oct. 2		
BYR	eP	06 08 28.0
	e	09 39.0
	e	10 42.0
SPA	iP	06 09 00.0
	i	11 08.8
Oct. 2		
BYR	eP	06 16 47.0
SPA	eP	06 17 18.5
Oct. 2		
SPA	iP	06 33 50.4
Oct. 2		
BYR	eP	06 45 15.0
SPA	eP	06 45 46.7
Oct. 2		
BYR	eP	07 11 44.0
SPA	iP	07 12 15.7
Oct. 2		
SPA	iP	07 38 32.4
Oct. 2		
BYR	eP'	07 40 58.0
SPA	eP'	07 40 45.0
Oct. 2		
BYR	eP	07 52 39.0
Oct. 2		
BYR	eP	08 12 10.0
SPA	iP	08 12 42.3
Oct. 2		
SPA	eP'	08 28 31.8
Oct. 2		
SPA	e(P)	09 48 24.6
Oct. 2		
BYR	e(P)	11 13 28.0
Oct. 2		
BYR	eP	11 13 49.0
Oct. 2		
BYR	iP	12 05 35.0
SPA	iP	12 05 24.8
Oct. 2		
SPA	e(P)	12 12 21.8
Oct. 2		
BYR	e(P)	12 39 49.0
Oct. 2		
BYR	eP	12 59 00.0
	e	13 00 11.0
SPA	iP	12 59 32.0
Oct. 2		
BYR	eP	13 14 29.0
Oct. 2		
BYR	eP	15 18 26.0
Oct. 2		
BYR	eP	15 40 20.0
SPA	eP	15 39 45.6
Oct. 2		
BYR	eP	15 44 02.0
Oct. 2		
BYR	eP	19 23 04.0
Oct. 2		
BYR	iP	21 38 39.0
	epP	39 08.0
Oct. 2		
SPA	iP	21 39 16.8
Oct. 2		
BYR	eP	21 54 09.0
SPA	eP	21 54 15.0
Oct. 3		
BYR	eP	01 20 04.0
SPA	e(P')	01 20 06.0
	e	22 49.0
Oct. 3		
BYR	iP	06 14 48.0
SPA	iP	06 15 05.0
Oct. 3		
BYR	e(P)	07 45 40.0
Oct. 3		
SPA	eP	08 33 53.0
Oct. 3		
BYR	e(P)	09 51 22.0
Oct. 3		
SPA	eP'	09 53 45.0
Oct. 3		
SPA	eP	10 47 10.0
Oct. 3		
BYR	eP	11 25 48.0
SPA	eP	11 25 52.0
Oct. 3		
BYR	eP	15 41 35.0
SPA	eP	15 41 32.0
Oct. 3		
BYR	eP	16 19 44.0
Oct. 3		
BYR	eP	16 59 16.0
Oct. 3		
BYR	eP	17 40 09.0
SPA	eP	17 40 44.0
Oct. 3		
BYR	eP	18 13 27.0
Oct. 3		
BYR	eP	18 37 51.0
SPA	eP	18 38 13.0
Oct. 3		
BYR	eP	19 11 11.0
SPA	eP	19 11 34.0
Oct. 3		
BYR	eP	19 22 22.0
Oct. 3		
BYR	eP	21 52 34.0
SPA	eP	21 51 30.0
Oct. 3		
BYR	iP	22 31 08.0
SPA	iP	22 31 40.0
Oct. 3		
BYR	eP	23 56 56.0

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Date and Station		Phase (GCT)			
Oct. 4		h	m	s	
BYR	iP	.02	34	53.0	
	epP		35	14.0	
	ePP		37	40.0	
SPA	iP	02	35	09.0	
Oct. 4					
BYR	eP	03	32	54.0	
SPA	iP	03	33	30.0	
Oct. 4					
SPA	eP	04	26	48.0	
Oct. 4					
BYR	eP'	04	50	17.0	
	e		50	35.0	
SPA	eP	04	50	13.0	
Oct. 4					
BYR	eP	04	57	25.0	
	e		57	37.0	
	e	05	03	30.0	
SPA	iP	04	57	11.0	
Oct. 4					
BYR	iP	05	19	44.0	
	e		20	22.0	
Oct. 4					
BYR	e(P)	05	54	54.0	
SPA	e(P)	05	54	21.0	
Oct. 4					
BYR	eP	06	32	01.0	
SPA	e(P)	06	31	40.0	
Oct. 4					
BYR	eP	07	04	15.0	
Oct. 4					
BYR	iP	07	17	58.0	
SPA	iP	07	18	30.0	
Oct. 4					
BYR	eP	08	19	26.0	
SPA	eP	08	20	47.0	
Oct. 4					
BYR	eP	10	03	31.0	
SPA	eP	10	04	18.0	
Oct. 4					
BYR	eP	10	59	07.0	
SPA	eP	10	59	41.0	

Date and Station		Phase (GCT)			
Oct. 4		h	m	s	
BYR	iP	11	08	47.0	
SPA	iP	11	09	19.0	
Oct. 4					
BYR	eP	13	50	45.0	
Oct. 4					
BYR	eP	18	33	44.0	
SPA	eP	18	34	44.0	
Oct. 4					
SPA	eP	19	04	10.0	
Oct. 4					
SPA	iP	19	12	34.0	
Oct. 4					
BYR	iP	20	13	43.0	
Oct. 4					
BYR	iP	21	40	00.0	
SPA	e(P)	21	40	37.0	
Oct. 4					
BYR	e(P)	21	53	34.0	
Oct. 4					
BYR	eP	22	05	44.0	
Oct. 4					
BYR	iP	22	26	18.0	
Oct. 5					
BYR	eP	01	32	04.0	
SPA	iP	01	32	47.0	
Oct. 5					
BYR	eP	03	38	17.0	
Oct. 5					
BYR	eP	04	03	06.0	
SPA	eP	04	03	22.0	
Oct. 5					
BYR	eP	04	19	28.0	
Oct. 5					
BYR	iP	09	50	51.0	
SPA	eP	09	51	32.0	
Oct. 5					
BYR	eP	12	34	11.0	
Oct. 5					
BYR	eP	15	54	07.0	
SPA	iP	15	53	48.0	
Oct. 5					
BYR	eP	17	32	26.0	
Oct. 5					
SPA	eP'	17	44	11.0	

Date and Station		Phase (GCT)			
Oct. 5		h	m	s	
BYR	iP	18	19	36.0	
	epP		19	49.0	
	ePcP		20	01.0	
SPA	iP	18	19	54.0	
Oct. 5					
SPA	eP	18	47	48.0	
Oct. 5					
SPA	eP'	20	46	13.0	
Oct. 5					
BYR	eP'	22	53	42.0	
SPA	eP'	22	53	46.0	
Oct. 5					
BYR	eP'	23	19	30.0	
	epP'		21	15.0	
	e(PP)		22	23.0	
SPA	eP'	23	19	33.0	
Oct. 6					
BYR	eP	01	43	44.0	
Oct. 6					
BYR	eP'	01	44	54.0	
	ePP		48	09.0	
SPA	eP'	01	44	55.0	
	ePP		48	13.0	
Oct. 6					
SPA	e(P)	02	17	08.0	
Oct. 6					
BYR	eP	02	37	18.0	
SPA	eP	02	37	22.0	
Oct. 6					
SPA	e(P')	03	39	34.0	
Oct. 6					
BYR	eP	06	58	43.0	
SPA	eP	06	58	54.0	
Oct. 6					
BYR	eP	07	24	52.0	
Oct. 6					
BYR	eP	07	57	24.0	
Oct. 6					
BYR	e(P)	08	11	28.0	
Oct. 6					
BYR	eP	09	13	08.0	
SPA	eP	09	13	48.0	
Oct. 6					
SPA	e(P)	09	45	35.0	
Oct. 6					
BYR	eP	09	49	22.0	

Date and Station		Phase (GCT)			
Oct. 6		h	m	s	
BYR	eP	11	23	26.0	
SPA	e(P)	11	23	37.0	
Oct. 6					
BYR	e(P)	17	08	54.0	
Oct. 6					
SPA	e(P)	17	12	48.0	
Oct. 6					
BYR	iP	19	50	20.0	
SPA	iP	19	50	36.0	
Oct. 7					
SPA	e(P)	02	01	39.0	
Oct. 7					
BYR	e(P)	03	23	46.0	
Oct. 7					
BYR	iP	08	22	12.0	
SPA	iP	08	21	58.0	
Oct. 7					
SPA	e(P)	08	24	33.0	
Oct. 7					
BYR	iP	08	25	20.0	
Oct. 7					
BYR	iP	08	28	12.0	
SPA	iP	08	28	08.0	
Oct. 7					
BYR	iP	10	08	11.0	
SPA	iP	10	08	50.0	
Oct. 7					
BYR	iP	14	28	19.0	
	e		28	56.0	
SPA	iP	14	28	58.0	
Oct. 7					
BYR	eP	16	12	50.0	
SPA	eP	16	13	18.0	
Oct. 7					
BYR	iP	17	37	04.0	
	epP		37	30.0	
SPA	iP	17	37	43.0	
Oct. 7					
BYR	iP	19	31	30.0	
	e		31	50.0	
SPA	iP	19	31	15.0	
Oct. 7					
BYR	eP	21	37	13.0	

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Date and Station	Phase	(GCT) h m s
Oct. 7		
BYR	eP	23 23 41.0
Oct. 8		
BYR	eP	01 06 03.0
SPA	eP	01 05 45.0
Oct. 8		
SPA	eP	02 22 27.0
Oct. 8		
BYR	eP'	03 17 06.0
SPA	eP'	03 17 13.0
Oct. 8		
BYR	eP'	03 45 54.0
Oct. 8		
SPA	eP	04 52 02.0
Oct. 8		
SPA	eP	06 33 21.0
Oct. 8		
BYR	iP	11 57 18.0
SPA	iP	11 57 27.0
Oct. 8		
BYR	eP	12 50 57.0
	epP	51 13.0
	esP	51 21.0
SPA	iP	12 51 39.0
	epP	51 55.0
Oct. 8		
SPA	e(P)	13 21 07.0
Oct. 8		
BYR	e(P)	14 10 24.0
Oct. 8		
BYR	eP	15 03 30.0
SPA	iP	15 04 20.0
Oct. 8		
SPA	e(P)	15 41 12.0
Oct. 8		
BYR	e(P)	16 28 36.0
	e	43 09.0
Oct. 8		
SPA	eP	17 26 28.0
Oct. 8		
BYR	eP	20 10 44.0
SPA	iP	20 10 06.0
Oct. 8		
BYR	eP	21 34 25.0
SPA	eP	21 34 19.0

Date and Station	Phase	(GCT) h m s
Oct. 8		
BYR	eP	22 06 53.0
Oct. 8		
BYR	eP'	22 15 56.0
Oct. 8		
BYR	eP	22 28 15.0
Oct. 8		
BYR	iP	23 54 47.0
	iPP	58 38.0
Oct. 9		
BYR	iP	00 20 18.0
	epP	20 46.0
Oct. 9		
BYR	eP	00 32 32.0
Oct. 9		
BYR	eP	01 47 20.0
Oct. 9		
SPA	iP	02 28 00.1
Oct. 9		
SPA	iP	02 47 27.4
Oct. 9		
BYR	eP	04 09 12.0
	e	17 41.0
Oct. 9		
BYR	eP	06 29 40.0
	e	33 51.0
Oct. 9		
BYR	iP	08 27 48.0
Oct. 9		
BYR	eP	09 24 20.0
Oct. 9		
SPA	eP	09 29 50.2
Oct. 9		
BYR	iP	10 16 20.0
Oct. 9		
BYR	eP	10 40 08.0
Oct. 9		
BYR	eP	10 54 55.0
Oct. 9		
BYR	eP	12 39 15.0
Oct. 9		
BYR	eP	13 05 07.0
Oct. 9		
SPA	e(P)	13 46 56.3
Oct. 9		
SPA	iP	15 35 58.9
Oct. 9		
BYR	eP	18 15 43.0

Date and Station	Phase	(GCT) h m s
Oct. 9		
BYR	eP	19 17 46.0
Oct. 9		
SPA	eP	19 23 51.1
Oct. 9		
SPA	eP	20 05 17.4
Oct. 9		
BYR	eP	20 41 21.0
Oct. 9		
BYR	eP	23 39 32.0
Oct. 10		
BYR	eP	02 32 07.0
SPA	iP	02 30 14.0
Oct. 10		
SPA	eP	03 01 24.0
Oct. 10		
BYR	iP	03 54 12.0
	epP	56 03.0
	ePP	57 13.0
SPA	iP	03 54 42.0
	ipP	56 35.2
Oct. 10		
BYR	iP	04 12 53.0
SPA	iP	04 12 34.0
Oct. 10		
SPA	e(P)	07 50 05.0
Oct. 10		
BYR	iP	08 17 20.0
Oct. 10		
BYR	iP	08 38 08.0
	epP	38 44.0
SPA	iP	08 38 12.0
Oct. 10		
BYR	eP	11 37 12.0
SPA	iP	11 36 50.0
Oct. 10		
BYR	eP	17 37 44.0
SPA	iP	17 37 34.0
	e	38 25.0
Oct. 10		
BYR	iP	18 54 56.0
	epP	56 20.0
SPA	iP	18 55 27.0
	ipP	56 50.0
Oct. 10		
BYR	iP	20 36 06.0
SPA	eP	20 36 52.0

Date and Station	Phase	(GCT) h m s
Oct. 10		
BYR	iP	22 06 38.0
SPA	eP	22 06 16.0
Oct. 11		
BYR	iP	00 39 11.0
SPA	iP	00 39 48.0
Oct. 11		
BYR	eP	04 15 37.0
SPA	e(P)	04 15 29.0
Oct. 11		
BYR	eP	06 30 05.0
SPA	eP	06 30 46.0
Oct. 11		
BYR	eP'	07 23 13.0
SPA	iP'	07 23 38.0
	e	23 59.0
Oct. 11		
BYR	eP	07 32 23.0
Oct. 11		
BYR	e(P)	07 48 17.0
Oct. 11		
BYR	eP'	07 59 28.0
Oct. 11		
BYR	eP	09 39 42.0
	ipP	39 58.0
SPA	iP	09 40 14.0
Oct. 11		
SPA	e(P)	10 54 34.0
Oct. 11		
BYR	iP	12 05 08.0
	e	06 01.0
Oct. 11		
SPA	iP	12 40 14.0
Oct. 11		
BYR	eP	15 11 32.0
Oct. 11		
BYR	eP	15 31 15.0
	e	35 35.0
Oct. 11		
BYR	iP	16 13 38.0
SPA	iP	16 14 09.0
Oct. 11		
BYR	eP	17 49 03.0
Oct. 11		
BYR	eP	19 29 10.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Oct. 11			Oct. 12			Oct. 13			Oct. 14		
BYR	eP	19 58 00.0	BYR	iP	15 52 21.0	BYR	eP	06 00 17.0	BYR	eP	16 53 00.0
SPA	eP	19 58 35.0	Oct. 12			Oct. 13			Oct. 14		
			BYR	iP	16 04 40.0	BYR	eP	08 20 19.0	SPA	e(P)	19 59 15.0
Oct. 11											
SPA	eP	20 04 37.0	SPA	eP	16 05 38.0	Oct. 13			Oct. 14		
						BYR	eP	08 46 09.0	BYR	e(P)	20 17 54.0
Oct. 11			Oct. 12								
SPA	eP	20 59 34.0	SPA	iP	16 53 18.0	SPA	eP	08 46 43.0	Oct. 14		
									BYR	eP	21 30 21.0
Oct. 11			Oct. 12			Oct. 13					
SPA	eP	22 13 30.0	BYR	eP	17 07 50.0	BYR	e(P)	09 46 14.0	SPA	eP	21 31 00.0
Oct. 12			SPA	eP	17 07 21.0	Oct. 13			Oct. 14		
SPA	eP	00 40 40.0				BYR	eP	10 52 59.0	BYR	eP'	22 18 04.0
			Oct. 12								
Oct. 12			BYR	iP	18 28 25.0	SPA	iP	10 52 53.0	Oct. 14		
BYR	e(P)	00 54 16.0		e	28 53.0				SPA	eP	22 38 12.0
				e	29 06.0	Oct. 13					
Oct. 12						BYR	eP	11 25 30.0	Oct. 14		
SPA	eP	01 22 17.0	Oct. 12						BYR	eP	22 56 33.0
			BYR	eP	19 57 51.0	Oct. 13				e	23 02 00.0
Oct. 12						BYR	eP	16 05 52.0			
SPA	eP	01 50 39.0	Oct. 12						SPA	eP	22 57 00.0
			BYR	eP	20 06 16.0	Oct. 13					
Oct. 12				e	12 19.0	BYR	iP	17 38 32.0	Oct. 15		
SPA	iP	03 56 40.0					ePcP	39 18.0	BYR	eP	01 20 54.0
			SPA	e(P)	20 07 13.0		ePKKP	56 21.0			
Oct. 12									Oct. 15		
BYR	eP	04 00 54.0	Oct. 12			SPA	iP	17 39 06.0	SPA	e(P)	01 31 11.0
			BYR	eP	22 03 47.0						
Oct. 12				ePcP	06 42.0	Oct. 13			Oct. 15		
BYR	eP	05 42 21.0				BYR	eP	18 07 22.0	BYR	eP	01 36 11.0
			SPA	iP	22 03 39.0						
SPA	eP	05 42 52.0				SPA	eP	18 07 15.0	Oct. 15		
			Oct. 12						BYR	eP	03 13 05.0
Oct. 12			SPA	eP	23 17 40.0	Oct. 14					
BYR	eP	06 14 16.0				BYR	eP	01 57 06.0	Oct. 15		
			Oct. 13						BYR	iP	03 22 06.0
SPA	iP	06 14 12.0	SPA	e(P)	01 20 34.0	SPA	e(P)	01 56 55.0			
									SPA	iP	03 21 48.0
Oct. 12			Oct. 13			Oct. 14					
BYR	iP	06 20 53.0	BYR	eP	01 46 31.0	BYR	eP	04 13 55.0	Oct. 15		
									BYR	eP	03 57 17.0
Oct. 12			Oct. 13			Oct. 14					
BYR	iP	07 45 30.0	BYR	eP	01 54 34.0	BYR	eP	10 17 42.0	Oct. 15		
	epP	46 31.0							BYR	eP	04 12 35.0
			Oct. 13			Oct. 14					
SPA	iP	07 46 02.0	SPA	eP	01 53 39.0	SPA	eP	11 28 03.0	SPA	iP	04 13 05.0
Oct. 12			Oct. 13			Oct. 14			Oct. 15		
BYR	eP	08 19 35.0	BYR	eP	02 10 36.0	BYR	iP	11 32 54.0	BYR	eP	09 56 07.0
Oct. 12			SPA	eP	02 09 58.0	SPA	iP	11 33 27.0	SPA	eP	09 54 55.0
BYR	eP	08 36 39.0									
			Oct. 13			Oct. 14			Oct. 15		
SPA	eP	08 36 43.0	SPA	iP	02 35 12.0	BYR	iP	12 40 30.0	BYR	iP	10 51 51.0
Oct. 12			Oct. 13			Oct. 14			SPA	e(P)	10 51 41.0
BYR	eP	14 22 46.0	SPA	iP	04 31 50.0	SPA	iP*	12 29 37.0			
	e	23 13.0							Oct. 15		
			Oct. 13			Oct. 14			BYR	eP	11 42 43.0
Oct. 12			BYR	eP	04 42 05.0	BYR	eP	16 06 51.0			
BYR	iP	14 57 32.0		e	42 58.0				Oct. 15		
						Oct. 14			BYR	iP	13 44 58.0
SPA	iP	14 58 06.0	Oct. 13			BYR	iP	16 24 44.0			
			SPA	iP	05 05 48.0				Oct. 15		
						SPA	iP	16 25 06.0	BYR	eP	13 59 50.0

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Date and Station	Phase	h	m	s (GCT)
Oct. 15				
BYR	iP	17	21	08.0
SPA	iP	17	20	32.0
Oct. 15				
BYR	e(P)	17	32	09.0
SPA	iP	17	30	48.0
Oct. 15				
SPA	eP	19	29	46.0
Oct. 15				
BYR	iP	21	30	48.0
SPA	iP	21	30	26.0
Oct. 15				
BYR	eP	21	51	38.0
SPA	iP	21	52	15.0
Oct. 16				
SPA	e(P)	00	24	19.0
Oct. 16				
BYR	eP'	01	26	21.0
SPA	eP'	01	26	28.0
Oct. 16				
BYR	eP'	02	27	48.0
SPA	eP'	02	28	00.0
Oct. 16				
BYR	iP	03	38	01.0
SPA	iP	03	38	35.0
Oct. 16				
SPA	e(P)	04	33	27.0
Oct. 16				
BYR	e(P)	04	48	59.0
Oct. 16				
BYR	eP	07	59	07.0
SPA	eP	07	58	50.0
Oct. 16				
BYR	iP	08	06	46.0
SPA	eP	08	07	05.0
Oct. 16				
BYR	e(P')	08	27	15.0
Oct. 16				
SPA	e(P')	09	24	06.0
Oct. 16				
BYR	iP	09	49	30.0
SPA	eP	09	49	46.0
Oct. 16				
BYR	e(P)	10	12	28.0
SPA	eP	10	12	57.0
Oct. 16				
BYR	iP	11	51	16.0
	epP		51	25.0
SPA	iP	11	52	08.0
Oct. 16				
BYR	eP	15	07	00.0
Oct. 16				
BYR	eP	15	08	14.0
Oct. 16				
BYR	iP	16	12	02.0
SPA	iP	16	11	47.0
Oct. 16				
SPA	e(P)	17	47	38.0
Oct. 16				
BYR	eP	17	52	03.0
SPA	eP	17	52	58.0
Oct. 16				
BYR	eP	18	07	23.0
SPA	iP	18	07	20.0
Oct. 16				
BYR	eP	18	11	20.0
SPA	eP	18	11	38.0
Oct. 16				
SPA	iP	21	26	01.0
Oct. 16				
SPA	eP	23	18	09.0
Oct. 17				
BYR	eP	00	27	23.0
SPA	eP	00	28	06.0
	ePP		31	18.0
Oct. 17				
BYR	e(P)	02	43	41.0
Oct. 17				
BYR	eP	03	00	42.0
SPA	eP	03	01	37.0
Oct. 17				
BYR	eP	03	40	58.0
SPA	eP	03	40	50.0
Oct. 17				
BYR	eP	04	35	14.0
	ePP		36	45.0
SPA	iP	04	34	22.0
	eS		40	08.0
Oct. 17				
SPA	eP	04	46	22.0
Oct. 17				
BYR	eP	10	02	58.0
SPA	eP	10	03	16.0
Oct. 17				
BYR	iP	12	01	32.0
SPA	eP	12	02	09.0
Oct. 17				
BYR	eP	13	57	54.0
Oct. 17				
BYR	eP	14	24	04.0
	i		31	29.0
Oct. 17				
BYR	iP	14	33	38.0
SPA	iP	14	33	21.0
Oct. 17				
BYR	eP	16	12	50.0
SPA	eP	16	13	18.0
Oct. 17				
BYR	eP	17	57	22.0
Oct. 17				
BYR	iP	18	34	40.0
Oct. 17				
SPA	e(P)	18	37	20.0
Oct. 17				
BYR	eP	20	05	13.0
Oct. 17				
BYR	e(P)	21	10	00.0
Oct. 17				
BYR	eP	23	47	40.0
Oct. 18				
BYR	eP	00	54	02.0
	e		54	16.0
Oct. 18				
BYR	eP	01	49	23.0
SPA	iP	01	49	41.2
Oct. 18				
BYR	eP	02	59	28.0
	epP		59	45.0
	eS	03	07	15.0
	e		23	14.0
SPA	iP	03	00	03.1
	eS		08	21.6
	iP'P'		29	25.0
Oct. 18				
BYR	eP	04	03	18.0
Oct. 18				
SPA	eP	04	03	47.7
Oct. 18				
BYR	eP	04	06	18.0
SPA	eP	04	06	51.1
Oct. 18				
BYR	eP	06	49	43.0
SPA	iP	06	50	17.8
Oct. 18				
BYR	iP	07	11	50.0
SPA	iP	07	12	24.3
Oct. 18				
BYR	iP	07	41	44.0
SPA	iP	07	42	13.7
Oct. 18				
BYR	eP'	11	03	18.0
	e		03	30.0
SPA	eP'	11	03	39.6
Oct. 18				
SPA	e(P)	12	00	02.7
Oct. 18				
SPA	iP	12	20	55.4
Oct. 18				
SPA	eP	12	31	25.2
Oct. 18				
SPA	e(P)	12	47	56.9
Oct. 18				
SPA	e(P)	13	08	14.4
Oct. 18				
BYR	eP	13	24	11.0
SPA	iP	13	24	40.9
Oct. 18				
SPA	e(P)	14	55	02.9
Oct. 18				
SPA	e(P)	15	15	47.6
Oct. 18				
SPA	eP	15	39	22.1
Oct. 18				
BYR	eP'	15	50	04.0
	epP'		50	28.0
SPA	eP'	15	49	47.6
Oct. 18				
SPA	e(P)	16	00	44.7

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Date and Station	Phase	(GCT) h m s
Oct. 18		
BYR	iP	17 00 26.0
	e	00 55.0
	iPP	02 23.0
	e	24 25.0
SPA	iP	17 01 15.3
	iS	09 05.0
	e	25 14.3
	eP'P'	31 17.0
Oct. 18		
BYR	eP	17 39 13.0
SPA	e(P)	17 40 03.0
Oct. 18		
BYR	eP	18 18 57.0
	epP	19 14.0
	eS	26 18.0
SPA	iP	18 19 46.2
Oct. 18		
BYR	e(P)	18 31 12.0
Oct. 18		
BYR	eP	19 51 42.0
Oct. 18		
SPA	e(P)	21 54 15.3
Oct. 18		
BYR	eP	22 06 02.0
	e	12 14.0
Oct. 19		
SPA	e(P)	01 01 34.0
Oct. 19		
BYR	e(P)	01 09 38.0
Oct. 19		
SPA	e(P)	02 34 45.0
Oct. 19		
BYR	e(P)	05 03 16.0
Oct. 19		
SPA	e(P')	05 28 42.0
Oct. 19		
BYR	eP	05 38 57.0
Oct. 19		
BYR	eP	08 39 55.0
SPA	iP	08 40 44.0
Oct. 19		
BYR	eP	09 19 35.0
SPA	iP	09 19 18.0
Oct. 19		
BYR	e(P)	09 35 35.0
Oct. 19		
BYR	e(P)	10 21 21.0

Date and Station	Phase	(GCT) h m s
Oct. 19		
BYR	eP'	11 15 44.0
Oct. 19		
BYR	e(P)	11 26 01.0
Oct. 19		
BYR	iP	11 27 37.0
	epP	28 12.0
SPA	iP	11 28 23.0
	epP	28 58.0
	iS	35 43.0
Oct. 19		
BYR	eP	11 57 36.0
Oct. 19		
SPA	eP	11 58 28.0
Oct. 19		
BYR	iP	12 33 14.0
SPA	e(P)	12 32 59.0
Oct. 19		
BYR	eP	13 42 33.0
SPA	eP	12 42 48.0
	e	42 52.0
Oct. 19		
SPA	e(P)	16 26 52.0
Oct. 19		
BYR	iP	19 33 41.0
	e(S)	39 50.0
SPA	iP	19 33 24.0
	e(S)	39 44.0
Oct. 19		
BYR	eP	20 35 38.0
SPA	iP	20 36 08.0
Oct. 20		
BYR	eP	01 22 24.0
Oct. 20		
BYR	eP	01 46 20.0
SPA	eP	01 46 22.0
Oct. 20		
BYR	eP	04 02 04.0
SPA	eP	04 02 12.0
Oct. 20		
BYR	eP	05 12 23.0
Oct. 20		
SPA	eP	05 59 59.0
	e	06 00 06.0
Oct. 20		
SPA	e(P)	06 20 09.0

Date and Station	Phase	(GCT) h m s
Oct. 20		
BYR	eP	07 52 56.0
Oct. 20		
BYR	eP	07 55 47.0
SPA	iP	07 56 48.0
	ipP	56 56.0
Oct. 20		
BYR	iP	08 19 00.0
SPA	iP	08 18 31.0
Oct. 20		
SPA	e(P)	08 34 49.0
Oct. 20		
SPA	e(P)	13 41 26.0
Oct. 20		
BYR	e(P)	15 40 40.0
Oct. 20		
SPA	iP	16 54 36.0
Oct. 20		
BYR	eP	17 47 20.0
Oct. 20		
BYR	eP'	18 06 06.0
SPA	eP'	18 05 52.0
Oct. 20		
BYR	iP	19 10 47.0
SPA	iP	19 11 36.0
Oct. 20		
BYR	eP	19 29 17.0
Oct. 20		
SPA	e(P)	21 32 28.0
Oct. 20		
BYR	iP	21 51 48.0
SPA	iP	21 52 38.0
Oct. 20		
BYR	eP	22 42 42.0
SPA	eP	22 43 35.0
Oct. 20		
BYR	e(P)	23 49 35.0
Oct. 21		
SPA	iP	03 37 20.0
Oct. 21		
SPA	iP	03 53 29.0
Oct. 21		
SPA	e(P)	06 03 03.0
Oct. 21		
SPA	iP	08 51 52.0

Date and Station	Phase	(GCT) h m s
Oct. 21		
SPA	e(P)	11 22 45.0
Oct. 21		
SPA	iP	11 54 10.0
Oct. 21		
SPA	eP	14 02 34.0
Oct. 21		
SPA	iP	17 01 41.0
Oct. 21		
SPA	iP	17 46 21.0
Oct. 21		
SPA	e(P)	18 18 53.0
Oct. 21		
SPA	eP'	22 41 17.0
Oct. 21		
SPA	e(P)	23 08 37.0
Oct. 21		
SPA	iP	23 23 23.0
Oct. 22		
SPA	iP	00 00 07.0
Oct. 22		
BYR	eP	00 28 08.0
Oct. 22		
SPA	e(P)	07 31 06.0
Oct. 22		
SPA	eP	07 42 51.0
Oct. 22		
BYR	eP	10 01 14.0
	epP	01 26.0
SPA	iP	10 01 36.0
Oct. 22		
BYR	eP	10 18 22.0
Oct. 22		
SPA	iP	13 02 58.2
	e	05 33.8
Oct. 22		
BYR	eP	13 20 34.0
SPA	eP	13 21 20.7
Oct. 22		
SPA	e(P)	13 27 48.0
Oct. 22		
SPA	iP	14 51 34.0
Oct. 22		
BYR	eP	17 30 36.0
SPA	iP	17 31 07.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Oct. 22			Oct. 23			Oct. 23					
BYR	eP	18 51 29.0	SPA	eP'	04 59 07.0	BYR	iP	19 30 50.0	SPA	eP	12 38 18.0
SPA	eP	18 51 48.0	Oct. 23			SPA	iP	19 31 16.0	Oct. 24		
Oct. 22			BYR	eP	05 34 13.0	Oct. 23			BYR	eP	14 45 36.0
BYR	eP	20 13 25.0	SPA	eP	05 34 07.0	BYR	e(P)	19 59 26.0	SPA	iP	14 46 19.0
SPA	eP	20 13 07.0	Oct. 23			Oct. 23			Oct. 24		
Oct. 22			BYR	eP	06 16 00.0	BYR	eP	20 40 53.0	BYR	eP	15 43 23.0
BYR	e(P)	21 37 07.0	SPA	iP	06 15 38.0	SPA	eP	20 42 01.0	SPA	iP	15 43 03.0
Oct. 22			Oct. 23			Oct. 23			Oct. 24		
SPA	eP'	23 15 17.0	SPA	eP'	08 14 33.0	BYR	eP	20 52 06.0	BYR	iP	18 11 07.0
Oct. 23			Oct. 23			SPA	eP	20 51 46.0	SPA	iP	18 10 47.0
BYR	eP	00 14 48.0	BYR	eP	09 27 30.0	Oct. 23			Oct. 24		
SPA	iP	00 14 42.0	Oct. 23			BYR	eP	21 48 30.0	BYR	iP	18 33 24.0
	eS	19 54.9	BYR	eP	10 52 20.0	Oct. 24			SPA	eP	18 33 05.0
Oct. 23				e	53 42.0	BYR	eP	01 33 10.0	Oct. 24		
SPA	e(P)	00 31 52.1	SPA	iP	10 52 30.0	SPA	eP	01 32 49.0	BYR	eP	22 36 19.0
Oct. 23				e	53 31.6	Oct. 24			SPA	iP	22 37 10.0
SPA	e(P)	00 46 48.0	Oct. 23			SPA	e(P)	01 49 23.0	Oct. 24		
Oct. 23			SPA	e(P)	11 27 29.0	Oct. 24			SPA	e(P)	22 40 40.0
BYR	eP	01 10 16.0	Oct. 23			BYR	eP	04 03 08.0	Oct. 25		
SPA	eP	01 10 05.0	BYR	e(P)	13 20 06.6	SPA	eP	04 03 12.0	BYR	eP	00 04 44.0
Oct. 23			Oct. 23			Oct. 24			SPA	eP	00 04 47.0
BYR	iP	01 33 31.0	BYR	eP	14 49 20.0	SPA	eP	04 56 45.0	Oct. 25		
SPA	iP	01 34 09.0	SPA	eP	14 48 09.7	Oct. 24			BYR	iP	00 34 24.0
	ipP	34 33.0	Oct. 23			BYR	eP	05 12 20.0	SPA	iP	00 34 18.0
Oct. 23			BYR	eP	14 53 15.0	SPA	eP	05 12 05.0	Oct. 25		
BYR	eP	01 58 10.0		e	54 57.0	Oct. 24			BYR	eP	00 50 51.0
SPA	iP	01 58 00.0		ePKKP	15 09 55.0	BYR	e(P)	06 01 55.0	SPA	eP	00 51 33.0
Oct. 23			SPA	iP	14 52 52.2	Oct. 24			Oct. 25		
BYR	eP	02 15 04.0		iSKS	15 03 13.1	BYR	eP'	07 44 13.0	BYR	iP	02 08 57.0
Oct. 23				ePKKP	10 01.0		e	44 29.0		e	09 08.0
BYR	eP	02 44 26.0	Oct 23			SPA	eP'	07 44 14.0	SPA	e(P)	02 09 48.0
SPA	eP	02 44 37.0	SPA	e(P)	15 37 12.0	Oct. 24			Oct. 25		
Oct. 23			Oct. 23			BYR	eP	07 47 23.0	SPA	e(P)	04 17 21.0
BYR	eP	03 06 21.0	BYR	iP	16 06 10.0	SPA	eP	07 47 47.0	Oct. 25		
SPA	eP	03 06 09.0	Oct. 23			Oct. 24			SPA	iP	06 20 27.0
Oct. 23			BYR	iP	16 10 38.0	BYR	eP	08 10 36.0	Oct. 25		
BYR	eP	03 17 00.0	Oct. 23			Oct. 24			BYR	eP	06 25 42.0
SPA	eP	03 16 49.0	BYR	iP	16 32 40.0	BYR	e(P)	09 00 24.0	SPA	eP	06 24 39.0
Oct. 23			SPA	iP	16 32 29.0	Oct. 24			Oct. 25		
BYR	eP	04 10 43.0	Oct. 23			BYR	eP	09 31 59.0	BYR	eP	06 39 26.0
SPA	eP	04 10 31.0	BYR	iP	17 22 56.0	SPA	iP	09 32 49.0	SPA	eP	06 39 24.0
Oct. 23				e	23 15.0	Oct. 24					
SPA	e(P)	04 46 18.0	SPA	iP	17 23 26.0	BYR	iP	12 37 41.0			
			Oct. 23								
			BYR	e(P)	18 16 19.0						

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Date and Station	Phase	(GCT) h m s
Oct. 25		
BYR	eP	07 27 19.0
SPA	iP	07 27 13.0
Oct. 25		
BYR	iP	09 05 55.0
SPA	iP	09 06 38.0
	i	06 52.0
Oct. 25		
SPA	e(P)	09 25 16.0
Oct. 25		
SPA	eP	09 33 12.0
Oct. 25		
BYR	e(P)	10 50 37.0
Oct. 25		
BYR	eP	11 06 47.0
SPA	eP	11 06 50.0
Oct. 25		
BYR	eP	11 45 03.0
SPA	eP	11 45 40.0
Oct. 25		
BYR	eP	12 58 07.0
SPA	iP	12 58 43.0
Oct. 25		
BYR	eP	13 25 01.0
SPA	iP	13 24 54.0
Oct. 25		
BYR	eP	14 17 41.0
	epP	18 07.0
Oct. 25		
BYR	iP	14 30 54.0
SPA	iP	14 31 31.0
Oct. 25		
BYR	e(P)	14 51 05.0
Oct. 25		
BYR	eP'	16 42 53.0
Oct. 25		
SPA	e(P)	19 35 01.0
Oct. 25		
BYR	eP	22 48 40.0
SPA	iP	22 49 19.0
Oct. 26		
BYR	iP	00 51 02.1
	ePP	54 52.0
SPA	iP	00 51 05.0
	iPP	54 37.0

Date and Station	Phase	(GCT) h m s
Oct. 26		
SPA	e(P)	02 42 34.0
Oct. 26		
SPA	iP	04 13 12.0
Oct. 26		
BYR	eP	08 24 21.1
	epP	24 29.7
SPA	iP	08 25 11.0
Oct. 26		
SPA	iP	11 13 11.0
Oct. 26		
BYR	eP	11 22 24.3
SPA	iP	11 22 42.0
Oct. 26		
BYR	eP	11 53 11.0
Oct. 26		
BYR	e(P)	12 16 05.0
SPA	eP	12 16 03.0
Oct. 26		
BYR	eP	15 40 36.7
	i	40 47.0
SPA	iP	15 40 01.0
Oct. 26		
BYR	eP	15 52 24.8
SPA	iP	15 52 46.0
Oct. 26		
BYR	e(P)	16 19 17.0
SPA	eP	16 18 40.0
Oct. 26		
BYR	e(P')	17 17 58.0
SPA	eP'	17 18 22.0
Oct. 26		
BYR	eP	17 35 35.8
Oct. 26		
SPA	e(P)	17 45 32.0
Oct. 26		
BYR	eP	19 42 08.0
SPA	iP	19 41 37.0
Oct. 26		
BYR	iP	22 08 58.0
SPA	iP	22 09 30.0
Oct. 27		
SPA	eP	01 40 12.0
Oct. 27		
BYR	eP	02 48 19.0

Date and Station	Phase	(GCT) h m s
SPA	eP	02 48 37.0
Oct. 27		
BYR	e(P)	03 24 20.0
Oct. 27		
SPA	e(P)	03 56 06.0
Oct. 27		
BYR	eP	04 47 14.0
SPA	eP	04 47 49.0
Oct. 27		
BYR	eP	10 26 03.0
Oct. 27		
BYR	eP	10 43 46.0
SPA	iP	10 43 10.0
Oct. 27		
BYR	eP	12 44 55.0
Oct. 27		
BYR	e(P)	14 25 47.0
Oct. 27		
SPA	e(P)	15 55 00.0
Oct. 27		
BYR	eP	20 12 48.0
SPA	eP	20 13 12.0
Oct. 27		
SPA	e(P)	20 26 47.0
Oct. 27		
SPA	e(P)	22 26 15.0
Oct. 28		
BYR	iP	01 45 01.0
SPA	iP	01 45 31.0
Oct. 28		
SPA	e(P)	04 29 22.0
Oct. 28		
BYR	iP	04 46 21.0
	i	46 33.0
SPA	eP	04 46 13.0
Oct. 28		
BYR	eP	05 41 36.0
SPA	iP	05 42 18.0
Oct. 28		
BYR	iP	06 12 17.0
SPA	iP	06 12 33.0
Oct. 28		
BYR	eP	06 20 53.0
SPA	iP	06 21 12.0

Date and Station	Phase	(GCT) h m s
Oct. 28		
BYR	iP	06 31 05.0
SPA	iP	06 31 24.0
Oct. 28		
BYR	iP	06 58 00.0
	ePcP	58 19.0
SPA	iP	06 58 32.0
Oct. 28		
BYR	eP	07 26 28.0
Oct. 28		
BYR	eP	09 33 11.0
SPA	eP	09 33 47.0
Oct. 28		
SPA	iP'	11 05 34.2
	i(PKKP)	14 09.3
Oct. 28		
SPA	e(P)	12 31 13.0
Oct. 28		
SPA	eP	12 47 35.5
Oct. 28		
BYR	iP	14 57 29.0
	e	58 16.0
SPA	iP	14 58 20.4
Oct. 28		
BYR	e(P)	16 03 36.0
	e	03 41.0
SPA	e(P)	16 04 26.0
Oct. 28		
BYR	eP	16 03 54.0
SPA	e(P)	16 04 25.9
Oct. 28		
SPA	e(P)	17 50 18.4
Oct. 28		
BYR	iP	18 28 53.0
SPA	iP	18 29 28.0
Oct. 28		
BYR	iP	18 35 04.0
SPA	eP	18 35 19.0
Oct. 28		
BYR	eP	19 11 42.0
SPA	eP	19 12 36.0
Oct. 28		
BYR	iP	21 48 08.0
	e	48 22.0
SPA	eP	21 48 03.0

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Date and Station	Phase	Phase (GCT) h m s
Oct. 28		
BYR	eP	22 56 02.0
SPA	iP	22 56 17.0
Oct. 28		
SPA	i(P')	23 05 15.5
Oct. 28		
BYR	eP	23 42 45.0
SPA	eP	23 43 03.0
Oct. 29		
SPA	eP	00 07 47.5
Oct. 29		
BYR	eP	00 54 37.5
SPA	iP	00 54 52.7
Oct. 29		
BYR	eP	02 17 44.8
SPA	eP	02 18 01.4
Oct. 29		
BYR	eP	02 33 57.0
SPA	eP	02 34 12.0
Oct. 29		
BYR	eP	03 11 00.2
SPA	eP	03 11 44.2
Oct. 29		
BYR	e(P)	03 31 28.8
SPA	eP	03 31 44.0
Oct. 29		
BYR	e(P)	06 06 19.7
SPA	eP	06 06 06.3
Oct. 29		
BYR	eP	07 13 29.1
SPA	eP	07 13 45.9
Oct. 29		
SPA	eP	08 07 55.4
Oct. 29		
SPA	e(P)	08 41 12.8
Oct. 29		
SPA	e(P)	09 06 05.4
Oct. 29		
BYR	eP'	09 31 23.4
SPA	iP	09 31 42.5
Oct. 29		
BYR	eP	11 24 01.4
SPA	eP	11 24 08.5

Date and Station	Phase	Phase (GCT) h m s
Oct. 29		
BYR	eP	12 26 42.0
Oct. 29		
BYR	e(P')	15 06 29.0
SPA	eP'	15 06 42.1
Oct. 29		
BYR	eP	18 05 46.8
SPA	iP	18 06 13.3
Oct. 29		
BYR	e(P)	18 39 06.7
Oct. 29		
BYR	eP	19 47 30.6
Oct. 29		
BYR	eP	20 10 32.2
SPA	eP	20 10 32.2
Oct. 29		
SPA	e(P)	21 32 32.7
Oct. 29		
SPA	eP	23 22 24.4
Oct. 30		
BYR	eP	01 02 51.8
SPA	eP	01 00 42.0
Oct. 30		
SPA	e(P)	01 23 28.2
Oct. 30		
BYR	eP'	02 35 24.9
SPA	iP'	02 35 45.2
Oct. 30		
BYR	eP'	05 07 16.1
SPA	iP'	05 07 19.8
Oct. 30		
SPA	eP'	08 54 23.8
Oct. 30		
BYR	eP	11 14 19.0
SPA	eP	11 14 49.2
Oct. 30		
BYR	eP	13 27 00.2
SPA	eP	13 26 59.0
Oct. 30		
SPA	eP	14 49 13.8
Oct. 30		
BYR	eP'	16 15 58.5
	ePP	19 26.4
SPA	iP'	16 16 07.3

Date and Station	Phase	Phase (GCT) h m s
Oct. 30		
BYR	eP	17 44 26.5
	ePcP	45 20.9
SPA	iP	17 45 00.0
Oct. 30		
SPA	eP	20 08 02.3
Oct. 30		
BYR	eP	21 34 25.4
SPA	eP	21 34 23.8
Oct. 30		
SPA	e(P)	22 21 14.6
Oct. 30		
BYR	eP	22 55 00.4
SPA	eP	22 53 50.7
Oct. 31		
SPA	e(P)	00 28 48.2
Oct. 31		
BYR	eP	01 41 50.2
SPA	eP	01 42 29.5
Oct. 31		
BYR	eP'	02 03 10.0
	eSKP	06 43.6
SPA	eP'	02 03 19.6
Oct. 31		
BYR	eP	03 27 17.2
Oct. 31		
BYR	iP	03 32 37.3
	e	32 57.8
SPA	iP	03 32 01.5
Oct. 31		
BYR	eP	03 55 05.9
SPA	iP	03 55 40.7
Oct. 31		
SPA	e(P)	04 25 05.3
Oct. 31		
BYR	iP	04 36 09.6
SPA	eP	04 35 36.9
Oct. 31		
BYR	eP	04 52 53.4
SPA	iP	04 52 27.3
Oct. 31		
SPA	e(P)	07 03 46.2
Oct. 31		
BYR	iP	08 57 14.3

Date and Station	Phase	Phase (GCT) h m s
SPA	iP	08 57 12.1
Oct. 31		
BYR	eP	14 15 39.1
SPA	iP	14 16 18.6
Oct. 31		
SPA	eP	15 41 00.0
Oct. 31		
SPA	iP	19 14 25.1
Oct. 31		
SPA	e(P)	20 45 20.8
Oct. 31		
SPA	eP	21 25 54.5
Nov. 1		
BYR	iP	00 28 06.0
Nov. 1		
SPA	eP	01 15 14.0
Nov. 1		
SPA	eP	03 23 00.0
Nov. 1		
SPA	eP	05 00 12.0
Nov. 1		
SPA	eP'	06 18 41.0
Nov. 1		
BYR	e(P)	06 21 48.0
Nov. 1		
BYR	eP	07 27 19.0
SPA	iP	07 27 54.7
Nov. 1		
BYR	eP	07 38 15.0
SPA	eP	07 39 07.0
Nov. 1		
SPA	eP	10 52 49.0
Nov. 1		
SPA	e(P)	12 35 53.0
Nov. 1		
BYR	eP	15 53 55.0
SPA	eP	15 53 26.0
Nov. 1		
BYR	eP	16 07 41.0
Nov. 1		
BYR	eP	17 45 36.0
Nov. 1		
SPA	e(P)	18 31 42.0

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Date and Station	Phase	(GCT) h m s
Nov. 1		
BYR	eP	20 22 43.0
SPA	eP	20 23 12.0
Nov. 1		
BYR	e(P)	20 34 30.0
Nov. 1		
BYR	eP	21 37 18.0
	e	38 09.0
SPA	eP	21 36 56.0
	e	37 36.0
Nov. 1		
BYR	iP	23 13 29.0
Nov. 2		
BYR	eP	01 38 41.0
SPA	eP	01 39 19.0
Nov. 2		
BYR	e(P)	03 05 55.0
Nov. 2		
BYR	eP	05 32 42.0
SPA	iP	05 33 13.1
Nov. 2		
SPA	e(P)	07 47 20.0
Nov. 2		
BYR	e(P)	15 52 12.0
Nov. 2		
SPA	iP	16 33 30.0
Nov. 2		
BYR	eP	17 28 08.0
SPA	iP	17 28 39.0
Nov. 2		
BYR	eP	23 21 34.0
Nov. 2		
SPA	eP	23 46 19.0
Nov. 2		
SPA	iP'	23 55 23.0
Nov. 3		
BYR	eP	01 27 04.0
SPA	eP	01 28 54.0
Nov. 3		
BYR	eP	01 37 25.0
SPA	iP	01 37 27.0
Nov. 3		
BYR	iP	04 15 34.0
SPA	iP	04 15 50.0

Date and Station	Phase	(GCT) h m s
Nov. 3		
BYR	eP	05 30 01.0
Nov. 3		
BYR	eP	08 35 24.0
Nov. 3		
BYR	e(P)	10 07 06.0
Nov. 3		
SPA	e(P)	11 36 15.0
Nov. 3		
BYR	eP	14 37 50.0
Nov. 3		
SPA	eP	15 32 47.1
Nov. 3		
BYR	eP	15 37 34.0
Nov. 3		
SPA	eP	16 54 10.0
Nov. 3		
SPA	e(P)	17 18 55.0
Nov. 3		
BYR	eP	18 15 35.0
SPA	eP	18 16 07.0
Nov. 3		
BYR	eP	19 16 05.0
Nov. 3		
SPA	eP	20 45 43.0
Nov. 3		
BYR	iP	21 16 27.0
SPA	iP	21 17 04.0
Nov. 3		
BYR	eP	21 37 07.0
Nov. 3		
BYR	iP	22 00 28.0
	e	06 07.0
SPA	iP	21 59 31.0
	e	22 06 50.0
Nov. 3		
SPA	eP	22 13 28.0
Nov. 3		
BYR	eP	22 26 18.0
Nov. 3		
BYR	eP	22 37 33.0
	e	38 04.0
SPA	eP	22 37 16.0
Nov. 3		
BYR	iP	22 50 34.0
	e	51 04.0

Date and Station	Phase	(GCT) h m s
SPA	iP	22 50 20.0
Nov. 3		
BYR	eP	23 01 40.0
SPA	eP	23 01 41.0
Nov. 3		
SPA	iP	23 26 40.0
Nov. 3		
BYR	e(P)	23 30 48.0
Nov. 4		
BYR	eP'	02 27 18.0
SPA	eP'	02 27 31.0
Nov. 4		
BYR	eP	03 17 16.0
SPA	iP	03 17 05.0
Nov. 4		
BYR	eP'	03 57 45.0
	eSKP	04 01 48.0
SPA	eP'	03 57 49.0
Nov. 4		
SPA	e(P)	06 32 52.0
Nov. 4		
SPA	e(P)	07 11 28.0
Nov. 4		
BYR	eP	09 57 23.0
SPA	eP	09 57 06.0
Nov. 4		
BYR	eP	11 00 08.0
Nov. 4		
SPA	eP'	13 24 00.3
Nov. 4		
BYR	eP	13 27 40.0
Nov. 4		
SPA	eP'	14 54 04.1
Nov. 4		
BYR	eP	14 57 06.0
SPA	iP	14 57 23.0
Nov. 4		
BYR	eP'	18 36 12.0
SPA	eP'	18 36 30.0
Nov. 4		
SPA	e(P)	21 01 35.0
Nov. 4		
BYR	eP	23 47 07.0
SPA	iP	23 47 27.0

Date and Station	Phase	(GCT) h m s
Nov. 5		
SPA	e(P)	00 19 11.0
Nov. 5		
BYR	eP	00 31 45.0
SPA	iP	00 32 00.0
Nov. 5		
SPA	iP	01 09 44.0
Nov. 5		
BYR	eP	03 02 42.0
SPA	iP	03 03 13.0
Nov. 5		
BYR	eP'	04 00 59.0
Nov. 5		
SPA	e(P)	04 58 42.0
Nov. 5		
BYR	iP	08 19 56.0
SPA	iP	08 20 37.0
Nov. 5		
SPA	iP'	08 59 36.0
Nov. 5		
SPA	e(P)	09 17 30.0
Nov. 5		
SPA	iP	10 20 03.0
Nov. 5		
BYR	iP	10 35 08.0
SPA	iP	10 35 52.0
Nov. 5		
BYR	iP'	10 55 35.0
	iSKP	59 01.0
SPA	iP'	10 55 35.0
	iSKP	59 03.0
Nov. 5		
BYR	iP	12 20 22.0
Nov. 5		
BYR	eP	13 14 42.0
SPA	iP	13 15 19.0
Nov. 5		
SPA	eP	17 23 25.0
Nov. 5		
BYR	iP	19 34 58.0
SPA	iP	19 35 41.4
Nov. 5		
SPA	e(P)	21 42 47.0
Nov. 5		
SPA	iP	23 15 19.0

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Date and Station	Phase	(GCT) h m s
Nov. 5		
BYR	iP	24 03 56.0
SPA	iP	24 04 08.0
	iPcP	06 06.5
Nov. 6		
BYR	eP	05 24 22.0
SPA	eP	05 25 05.0
Nov. 6		
BYR	iP	05 39 54.0
SPA	iP	05 40 08.0
Nov. 6		
BYR	iP	07 20 25.0
SPA	iP	07 21 10.0
Nov. 6		
SPA	eP	07 40 00.0
Nov. 6		
SPA	e(P)	07 51 18.0
Nov. 6		
SPA	eP	08 12 25.0
Nov. 6		
SPA	iP	10 22 44.0
Nov. 6		
SPA	eP'	12 48 01.0
Nov. 6		
BYR	eP	13 19 14.0
SPA	iP	13 19 44.0
Nov. 6		
BYR	eP	13 22 26.0
SPA	iP	13 22 22.0
Nov. 6		
BYR	eP	15 10 03.0
SPA	iP	15 09 06.0
Nov. 6		
SPA	e(P)	18 27 41.0
Nov. 6		
BYR	iP	18 31 30.0
SPA	iP	18 32 09.0
Nov. 6		
BYR	eP	19 48 28.0
SPA	eP	19 49 07.0
Nov. 6		
SPA	eP	21 31 52.0
Nov. 6		
BYR	e(P)	21 36 04.0

Date and Station	Phase	(GCT) h m s
Nov. 7		
SPA	iP	00 33 25.0
Nov. 7		
BYR	iP	00 49 43.0
SPA	iP	00 50 13.0
Nov. 7		
SPA	iP	01 28 23.0
Nov. 7		
BYR	eP	04 15 36.0
SPA	iP	04 15 54.0
Nov. 7		
BYR	eP'	06 11 39.0
SPA	eP'	06 11 30.0
Nov. 7		
BYR	iP	08 32 34.0
SPA	eP	08 33 29.0
Nov. 7		
SPA	e(P)	10 58 42.0
Nov. 7		
SPA	eP	11 18 59.0
Nov. 7		
BYR	eP	12 24 52.0
SPA	iP	12 25 28.0
Nov. 7		
SPA	e(P)	12 42 25.2
Nov. 7		
SPA	e(P)	15 17 41.3
Nov. 7		
SPA	eP	17 34 25.0
Nov. 7		
BYR	eP	19 44 34.0
SPA	eP	19 44 00.0
Nov. 7		
BYR	eP	21 18 46.0
SPA	iP	21 19 25.5
Nov. 7		
BYR	iP	23 24 16.0
SPA	iP	23 24 00.0
Nov. 7		
SPA	eP	23 47 58.0
Nov. 8		
SPA	e(P)	00 37 12.0
Nov. 8		
SPA	eP	03 09 09.0

Date and Station	Phase	(GCT) h m s
Nov. 8		
SPA	eP	03 33 37.0
Nov. 8		
BYR	eP	03 45 59.0
SPA	iP	03 46 54.0
Nov. 8		
SPA	e(P)	05 14 40.0
Nov. 8		
BYR	eP	10 01 35.0
Nov. 8		
BYR	eP	11 14 11.0
SPA	eP	11 13 50.0
Nov. 8		
BYR	eP	12 00 18.0
SPA	eP	12 01 17.0
Nov. 8		
BYR	iP	12 48 31.0
SPA	eP	12 48 17.0
Nov. 8		
SPA	eP	13 07 51.0
Nov. 8		
SPA	eP	13 45 35.0
Nov. 8		
SPA	eP	15 25 00.0
Nov. 8		
BYR	eP	16 51 04.0
SPA	iP	16 51 43.0
	i	51 53.0
Nov. 8		
BYR	eP	19 41 26.0
SPA	eP	19 41 19.0
Nov. 8		
BYR	iP	20 43 05.0
SPA	iP	20 44 34.0
Nov. 8		
BYR	e(P)	22 36 58.0
Nov. 8		
BYR	iP	22 46 42.0
SPA	eP	22 47 26.0
Nov. 8		
SPA	e(P)	23 46 37.1
Nov. 9		
SPA	eP	00 46 28.0
Nov. 9		
BYR	eP	01 19 53.5

Date and Station	Phase	(GCT) h m s
SPA	iP	01 20 13.0
Nov. 9		
BYR	eP	01 48 41.5
SPA	eP	01 48 37.0
Nov. 9		
BYR	eP	04 04 38.8
SPA	iP	04 04 33.0
Nov. 9		
BYR	iP	04 29 50.2
	ipP	30 19.4
	iPcP	30 31.5
	eP'P'	58 23.0
SPA	iP	04 30 29.0
	eP'P'	58 43.0
Nov. 9		
SPA	iP	06 27 48.0
Nov. 9		
BYR	eP	09 28 00.2
SPA	eP	09 27 55.0
Nov. 9		
BYR	eP	10 39 07.0
SPA	iP	10 39 56.0
Nov. 9		
BYR	eP	10 57 02.0
	e	57 38.1
SPA	eP	10 57 24.0
Nov. 9		
SPA	e(P)	13 06 29.0
Nov. 9		
SPA	eP	13 29 38.0
Nov. 9		
BYR	eP	15 16 50.8
SPA	iP	15 16 44.1
Nov. 9		
BYR	eP	15 32 00.6
Nov. 9		
SPA	e(P)	16 21 20.0
Nov. 9		
BYR	eP	17 26 41.7
SPA	eP	17 26 52.0
Nov. 9		
BYR	eP	17 33 39.8
SPA	eP	17 34 02.0

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Date and Station	Phase	(GCT) h m s
Nov. 9		
BYR	eP	17 51 12.5
SPA	iP	17 51 28.0
Nov. 9		
SPA	iP	18 01 02.0
Nov. 9		
BYR	iP	18 49 53.3
SPA	iP	18 49 35.0
Nov. 9		
SPA	e(P)	19 29 00.0
Nov. 9		
SPA	e(P)	21 44 01.0
Nov. 9		
BYR	iP	23 17 30.3
SPA	iP	23 18 03.0
Nov. 10		
BYR	eP	00 58 53.0
SPA	iP	00 59 32.3
Nov. 10		
BYR	iP	02 18 37.0
	epP	19 02.0
SPA	iP	02 19 15.0
Nov. 10		
SPA	eP	02 43 21.0
Nov. 10		
BYR	eP	02 46 38.0
Nov. 10		
BYR	eP	06 44 12.0
SPA	eP	06 45 23.0
Nov. 10		
BYR	iP	06 53 50.0
SPA	eP	06 55 42.0
Nov. 10		
BYR	eP	07 42 55.0
SPA	iP	07 42 44.0
Nov. 10		
SPA	eP	08 30 44.0
Nov. 10		
SPA	eP	10 35 01.0
Nov. 10		
SPA	eP	12 12 16.1
Nov. 10		
BYR	e(P)	13 00 06.0

Date and Station	Phase	(GCT) h m s
Nov. 10		
BYR	iP	14 02 11.0
Nov. 10		
SPA	e(P)	14 08 00.0
Nov. 11		
SPA	e(P)	15 46 14.0
Nov. 10		
BYR	iP	18 10 53.0
SPA	iP	18 11 22.0
	ipP	13 20.2
Nov. 10		
BYR	e(P)	18 35 34.0
Nov. 10		
SPA	iP	22 40 45.0
Nov. 10		
SPA	e(P)	22 53 15.0
Nov. 10		
SPA	eP'	23 03 20.0
Nov. 11		
SPA	iP	00 07 28.0
Nov. 11		
BYR	eP	01 13 44.0
SPA	eP	01 14 22.0
Nov. 11		
SPA	eP	03 22 10.0
Nov. 11		
BYR	iP	06 58 36.0
SPA	eP	06 59 27.0
Nov. 11		
BYR	e(P)	08 21 04.0
Nov. 11		
BYR	eP	09 00 31.0
SPA	iP	09 00 20.0
Nov. 11		
BYR	e(P)	09 44 20.0
Nov. 11		
SPA	e(P)	10 34 50.0
Nov. 11		
BYR	eP	10 58 35.0
SPA	eP	10 59 05.0
Nov. 11		
BYR	eP	15 46 10.0
SPA	iP	15 46 33.0
Nov. 11		
BYR	eP	18 02 13.0

Date and Station	Phase	(GCT) h m s
SPA	eP	18 02 00.1
Nov. 11		
BYR	iP	21 58 29.0
SPA	iP	21 59 06.8
Nov. 12		
SPA	e(P)	01 14 15.0
Nov. 12		
BYR	eP	02 28 59.0
SPA	iP	02 28 19.0
Nov. 12		
BYR	eP	08 33 34.0
SPA	iP	08 32 37.0
Nov. 12		
SPA	iP	10 03 28.0
Nov. 12		
BYR	iP	10 23 11.0
SPA	iP	10 23 28.0
Nov. 12		
BYR	eP	10 24 59.0
	e	25 22.0
Nov. 12		
BYR	eP	14 22 42.0
SPA	iP	14 23 15.0
Nov. 12		
BYR	iP	18 21 54.0
SPA	iP	18 22 24.0
Nov. 12		
SPA	e(P)	18 37 18.0
Nov. 12		
BYR	eP	20 59 36.0
SPA	eP	20 59 17.0
Nov. 12		
BYR	iP	21 50 10.0
	e	50 38.0
Nov. 13		
SPA	eP	00 48 15.0
Nov. 13		
SPA	iP	02 42 44.0
Nov. 13		
SPA	eP	04 42 47.0
Nov. 13		
BYR	e(P)	07 09 54.0
Nov. 13		
BYR	iP	07 52 46.0

Date and Station	Phase	(GCT) h m s
SPA	eP	07 52 34.0
Nov. 13		
SPA	eP	08 27 26.0
Nov. 13		
BYR	eP	10 56 17.0
SPA	iP	10 55 22.0
Nov. 13		
SPA	e(P)	12 32 44.0
Nov. 13		
SPA	eP'	14 33 06.0
Nov. 13		
SPA	iP	16 37 07.0
Nov. 13		
BYR	eP	16 42 51.0
SPA	iP	16 43 06.5
Nov. 13		
BYR	e(P)	16 55 21.0
Nov. 13		
BYR	eP	19 54 59.0
	e(PP)	57 36.0
SPA	iP	19 55 35.0
Nov. 13		
BYR	eP	22 31 07.0
	e	31 58.0
SPA	iP	22 30 49.0
	i	31 24.0
	i	31 35.0
Nov. 14		
BYR	eP	00 40 14.0
Nov. 14		
SPA	iP	00 46 28.0
	i	47 56.0
Nov. 14		
BYR	iP	00 54 07.0
SPA	eP	00 53 45.0
Nov. 14		
SPA	iP	01 03 37.0
Nov. 14		
SPA	iP	01 09 38.0
Nov. 14		
SPA	e(P)	01 39 32.0
Nov. 14		
BYR	iP	01 50 08.0
	e	52 36.0
SPA	iP	01 49 51.0

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Date and Station	Phase	(GCT) h m s
Nov. 14		
BYR	iP	02 13 44.0
SPA	iP	02 13 27.0
Nov. 14		
BYR	e(P)	02 21 48.0
SPA	e(P)	02 21 30.3
Nov. 14		
SPA	iP	02 24 12.0
Nov. 14		
SPA	eP	02 28 10.0
Nov. 14		
BYR	iP	02 49 14.0
Nov. 14		
BYR	iP	04 55 24.0
	epP	55 42.0
SPA	eP	04 56 01.0
Nov. 14		
BYR	eP	05 34 39.0
SPA	eP	05 34 31.0
Nov. 14		
SPA	e(P)	07 50 37.0
Nov. 14		
SPA	iP	10 00 38.0
Nov. 14		
BYR	iP'	10 21 12.0
	epP	21 53.0
SPA	iP'	10 21 11.0
Nov. 14		
BYR	iP	12 47 59.0
	ePcP	49 16.0
SPA	iP	12 48 31.0
Nov. 14		
BYR	iP	13 21 40.0
	ipP	22 10.0
SPA	iP	13 22 18.0
Nov. 14		
SPA	e(P)	13 31 31.0
Nov. 14		
SPA	iP	13 41 01.0
Nov. 14		
BYR	eP	15 30 08.0
SPA	iP	15 30 38.0
Nov. 14		
SPA	e(P)	15 53 00.0

Date and Station	Phase	(GCT) h m s
Nov. 14		
SPA	iP	16 26 01.0
Nov. 14		
BYR	iP	17 27 09.0
	e	27 31.0
SPA	iP	17 26 33.0
Nov. 14		
BYR	e(P)	20 48 20.0
Nov. 14		
BYR	eP'	22 46 04.0
Nov. 15		
SPA	iP	02 04 47.0
Nov. 15		
SPA	e(P)	03 34 50.0
Nov. 15		
SPA	eP	03 54 19.0
Nov. 15		
BYR	eP	04 14 44.0
SPA	iP	04 15 20.0
Nov. 15		
SPA	eP	04 23 45.0
Nov. 15		
SPA	eP	04 27 02.0
Nov. 15		
BYR	eP	04 35 52.0
Nov. 15		
BYR	e(P)	05 21 51.0
Nov. 15		
SPA	eP	05 27 01.9
Nov. 15		
BYR	iP	05 35 14.0
SPA	e(P)	05 35 52.0
Nov. 15		
SPA	e(P)	06 11 14.0
Nov. 15		
BYR	eP'	07 36 05.0
	ipP'	36 24.0
SPA	iP	07 36 10.0
	iSKP	39 49.3
	i	52 27.0
Nov. 15		
BYR	eP	10 27 53.0
	e(PP)	29 36.0
SPA	iP	10 28 10.0
Nov. 15		
SPA	eP	10 54 04.0

Date and Station	Phase	(GCT) h m s
Nov. 15		
BYR	eP	13 52 41.0
SPA	iP	13 53 16.0
Nov. 15		
SPA	eP	15 19 46.0
Nov. 15		
SPA	iP	15 35 22.0
Nov. 15		
BYR	iP	17 58 46.0
Nov. 15		
BYR	iP	19 37 24.0
SPA	eP	19 38 00.0
Nov. 15		
BYR	eP	22 04 53.0
SPA	iP	22 04 37.0
Nov. 15		
BYR	iP	22 08 39.0
	iPcP	11 07.0
SPA	iP	22 08 23.0
Nov. 15		
BYR	e(P)	22 15 50.0
Nov. 15		
SPA	e(P)	22 24 48.0
Nov. 16		
BYR	eP	00 40 31.0
SPA	eP	00 41 31.0
Nov. 16		
BYR	eP	02 20 27.0
SPA	eP	02 21 14.0
Nov. 16		
BYR	e(P)	03 16 58.0
Nov. 16		
BYR	eP	03 30 11.0
SPA	iP	03 30 03.0
Nov. 16		
SPA	iP	05 06 43.0
Nov. 16		
BYR	eP	07 10 34.0
SPA	eP	07 11 07.3
Nov. 16		
SPA	eP	07 36 29.0
Nov. 16		
SPA	eP	08 11 07.0

Date and Station	Phase	(GCT) h m s
Nov. 16		
SPA	iP	08 25 38.0
Nov. 16		
BYR	eP	08 33 32.0
Nov. 16		
BYR	eP	12 18 36.0
SPA	eP	12 18 31.0
Nov. 16		
BYR	e(P)	12 58 31.0
Nov. 16		
BYR	eP	15 03 48.0
Nov. 16		
BYR	eP	16 14 42.0
SPA	eP	16 15 04.0
Nov. 16		
SPA	e(P)	17 17 56.0
Nov. 16		
BYR	e(P)	19 16 40.0
	i	20 51.0
Nov. 17		
BYR	eP	02 32 02.0
SPA	iP	02 31 42.0
Nov. 17		
SPA	e(P)	06 00 17.0
Nov. 17		
BYR	iP	06 49 02.0
SPA	iP	06 48 46.0
Nov. 17		
BYR	iP	08 19 04.0
SPA	iP	08 18 47.0
Nov. 17		
BYR	iP	08 23 51.0
SPA	iP	08 24 21.0
Nov. 17		
BYR	iP	09 22 54.0
SPA	iP	09 22 46.0
	e	22 51.0
Nov. 17		
BYR	iP	12 00 50.0
SPA	iP	12 00 51.0
Nov. 17		
BYR	iP	12 53 33.0
	e	56 02.0
SPA	iP	12 53 17.0

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Date and Station	Phase	(GCT) h m s
Nov. 17		
BYR	iP	14 34 20.0
SPA	eP	14 34 03.0
Nov. 17		
SPA	eP	14 44 18.0
Nov. 17		
BYR	eP'	15 08 10.0
SPA	eP'	15 08 28.0
Nov. 17		
BYR	iP	16 10 25.0
SPA	iP	16 09 09.0
Nov. 17		
BYR	iP	19 14 19.0
SPA	iP	19 14 53.0
Nov. 17		
BYR	iP	21 46 08.0
SPA	iP	21 46 24.0
Nov. 17		
BYR	iP	22 23 39.0
SPA	iP	22 23 57.0
Nov. 17		
BYR	eP	22 38 26.0
SPA	eP	22 39 20.0
Nov. 17		
BYR	e(P)	22 54 18.0
Nov. 17		
BYR	eP	23 06 26.0
Nov. 18		
BYR	eP	00 41 15.0
SPA	eP	00 41 33.0
Nov. 18		
BYR	eP'	03 38 05.0
SPA	eP'	03 38 53.0
	e	38 58.0
Nov. 18		
BYR	iP	06 15 46.0
SPA	iP	06 15 22.0
Nov. 18		
BYR	iP	07 34 40.0
	e	34 54.0
	e(S)	40 52.0
SPA	iP	07 34 24.0
	e	34 32.0
Nov. 18		
BYR	eP	10 24 08.0

Date and Station	Phase	(GCT) h m s
Nov. 18		
BYR	iP	10 45 39.0
SPA	iP	10 46 18.0
Nov. 18		
BYR	iP	11 26 45.0
	eL	40 28.0
SPA	iP	11 27 22.0
	epP	27 33.0
Nov. 18		
SPA	e(P)	11 56 20.0
Nov. 18		
BYR	eP	11 58 21.0
SPA	iP	11 58 56.0
Nov. 18		
BYR	eP	14 38 58.0
Nov. 18		
BYR	e(P)	14 59 59.0
Nov. 18		
BYR	eP	15 44 31.0
Nov. 18		
BYR	e(P)	16 03 21.0
Nov. 18		
BYR	eP	16 10 21.0
SPA	eP	16 11 05.0
Nov. 18		
SPA	iP	18 37 07.0
Nov. 18		
SPA	iP	18 43 16.0
Nov. 18		
SPA	e(P)	19 00 40.0
Nov. 18		
BYR	iP	21 15 44.0
SPA	iP	21 15 21.0
Nov. 18		
BYR	eP'	22 28 35.0
SPA	eP'	22 28 16.0
	e(PKKP)	39 12.0
Nov. 19		
BYR	iP'	00 54 26.0
Nov. 19		
SPA	iP	01 51 10.0
Nov. 19		
BYR	eP	03 51 08.0
SPA	eP	03 50 12.0
Nov. 19		
BYR	eP	03 52 05.0

Date and Station	Phase	(GCT) h m s
SPA	iP	03 52 23.0
Nov. 19		
BYR	eP	07 32 34.0
Nov. 19		
BYR	eP	08 17 23.0
Nov. 19		
BYR	eP	08 55 18.0
Nov. 19		
BYR	eP	09 12 08.0
Nov. 19		
BYR	eP	10 25 08.0
Nov. 19		
BYR	eP	16 28 44.0
Nov. 19		
BYR	iP	16 56 38.0
Nov. 19		
BYR	eP	17 40 52.0
Nov. 19		
BYR	eP	19 56 46.0
Nov. 19		
BYR	eP	20 57 28.0
Nov. 19		
BYR	eP	22 11 51.0
Nov. 19		
BYR	eP	23 34 52.0
	e	35 54.0
SPA	iP	23 34 42.0
Nov. 20		
BYR	eP	00 23 54.0
SPA	iP	00 23 39.0
Nov. 20		
BYR	eP	01 10 08.0
Nov. 20		
BYR	eP	02 14 18.0
Nov. 20		
BYR	eP	03 03 40.0
Nov. 20		
BYR	eP'	04 23 34.0
SPA	iP'	04 23 14.0
Nov. 20		
BYR	eP'	04 51 33.0
Nov. 20		
SPA	iP'	06 59 47.0
Nov. 20		
BYR	eP	11 55 00.0

Date and Station	Phase	(GCT) h m s
SPA	iP	11 55 21.0
Nov. 20		
BYR	eP	12 23 33.0
SPA	iP	12 23 36.0
Nov. 20		
BYR	eP	12 32 30.0
SPA	iP	12 32 50.0
Nov. 20		
BYR	eP	13 14 45.0
SPA	eP	13 15 12.0
Nov. 20		
BYR	eP	13 43 24.0
Nov. 20		
BYR	eP	14 53 26.0
Nov. 20		
BYR	eP	15 52 13.0
Nov. 20		
BYR	eP	16 47 01.0
Nov. 20		
BYR	eP	16 55 57.0
Nov. 20		
SPA	e(P)	16 59 33.0
Nov. 20		
BYR	eP'	18 17 04.0
	ePKKP	27 19.0
SPA	eP'	18 18 12.0
Nov. 20		
BYR	eP	19 02 17.0
SPA	eP	19 02 39.0
Nov. 20		
BYR	iP	19 20 41.0
SPA	iP	19 20 36.0
Nov. 20		
BYR	eP	19 31 15.0
Nov. 20		
SPA	e(P)	19 34 38.0
Nov. 20		
BYR	e(P)	19 41 33.0
Nov. 20		
BYR	eP	22 10 31.0
Nov. 20		
BYR	e(P)	23 25 37.0
Nov. 20		
BYR	iP'	23 28 20.0

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Date and Station	Phase	(GCT) h m s
Nov. 20		
BYR	e(P)	23 39 35.0
Nov. 21		
BYR	eP	01 07 04.0
Nov. 21		
BYR	e(P)	01 39 05.0
Nov. 21		
BYR	eP	02 04 48.0
Nov. 21		
BYR	e(P)	02 17 37.0
Nov. 21		
BYR	eP'	05 19 32.0
Nov. 21		
BYR	iP	07 19 00.0
SPA	eP	07 18 06.0
Nov. 21		
BYR	eP	08 18 47.0
SPA	eP	08 19 09.0
Nov. 21		
BYR	e(P)	09 11 46.0
Nov. 21		
SPA	iP	11 04 32.0
Nov. 21		
SPA	e(P)	11 14 50.0
Nov. 21		
BYR	eP	11 19 55.0
SPA	e(P)	11 20 00.0
Nov. 21		
BYR	eP	12 20 00.0
Nov. 21		
BYR	eP	14 16 19.0
SPA	e(P)	14 16 03.0
Nov. 21		
SPA	iP	18 01 43.0
Nov. 21		
BYR	eP	18 17 36.0
Nov. 21		
BYR	eP	18 52 59.0
SPA	iP	18 52 43.0
Nov. 21		
BYR	e(P)	19 30 16.0
Nov. 21		
BYR	eP'	20 01 41.0
Nov. 21		
BYR	eP'	20 39 12.0

Date and Station	Phase	(GCT) h m s
Nov. 21		
SPA	eP	22 30 04.0
Nov. 21		
SPA	iP	22 39 30.0
Nov. 22		
BYR	iP	02 56 06.0
Nov. 22		
BYR	iP	03 08 43.0
Nov. 22		
BYR	iP	03 38 50.0
Nov. 22		
BYR	eP	05 42 28.0
Nov. 22		
BYR	eP	08 19 30.0
Nov. 22		
BYR	iP	09 27 22.0
Nov. 22		
BYR	iP	10 46 52.0
Nov. 22		
BYR	e(P)	11 13 26.0
Nov. 22		
BYR	e(P)	11 16 51.0
Nov. 22		
BYR	eP	11 17 19.0
Nov. 22		
BYR	eP	11 31 29.0
Nov. 22		
BYR	eP	11 38 19.0
Nov. 22		
BYR	eP	12 03 18.0
Nov. 22		
BYR	iP	12 17 28.0
Nov. 22		
BYR	iP	12 30 53.0
Nov. 22		
BYR	iP	12 37 27.0
	e	37 37.0
Nov. 22		
BYR	iP	12 51 08.0
Nov. 22		
BYR	iP	12 57 03.0
Nov. 22		
BYR	iP	13 14 13.0
Nov. 22		
BYR	iP	13 50 48.0
Nov. 22		
BYR	iP	13 57 11.0

Date and Station	Phase	(GCT) h m s
Nov. 22		
BYR	eP	15 15 58.0
Nov. 22		
BYR	iP	16 21 57.0
Nov. 22		
BYR	eP	18 40 39.0
Nov. 22		
BYR	eP	20 09 05.0
Nov. 22		
BYR	eP	20 49 06.0
Nov. 22		
BYR	eP	21 18 49.0
Nov. 22		
BYR	iP	22 43 24.0
Nov. 23		
BYR	e(P)	01 09 36.0
Nov. 23		
BYR	iP	02 51 16.0
SPA	iP	02 50 30.0
Nov. 23		
BYR	eP	06 04 11.0
	e	04 19.0
Nov. 23		
BYR	eP	06 14 25.0
Nov. 23		
BYR	eP	10 48 58.0
	e	49 41.0
Nov. 23		
BYR	eP	11 29 14.0
Nov. 23		
BYR	eP	16 35 10.0
SPA	eP	16 35 42.0
Nov. 23		
SPA	eP	16 43 53.0
Nov. 23		
SPA	eP	17 09 40.0
Nov. 23		
BYR	eP	17 28 36.0
Nov. 23		
BYR	eP	18 43 01.0
Nov. 23		
SPA	iP	23 44 20.0
Nov. 23		
BYR	e(P)	23 51 26.0
Nov. 24		
BYR	eP	01 57 27.0
SPA	eP	01 56 39.0

Date and Station	Phase	(GCT) h m s
Nov. 24		
SPA	eP	02 07 12.0
Nov. 24		
BYR	e(P)	04 14 08.0
Nov. 24		
BYR	eP	04 39 57.0
SPA	iP	04 41 08.0
Nov. 24		
BYR	eP	05 17 49.0
Nov. 24		
SPA	eP	05 18 13.0
Nov. 24		
BYR	eP	06 11 08.0
Nov. 24		
BYR	eP	07 30 06.0
Nov. 24		
BYR	eP	07 42 28.0
	e	42 56.0
Nov. 24		
BYR	eP	07 51 53.0
SPA	eP	07 52 46.0
Nov. 24		
SPA	iP	11 09 34.0
Nov. 24		
SPA	iP	11 23 15.0
Nov. 24		
BYR	e(P)	17 34 19.0
Nov. 24		
BYR	eP	19 44 45.0
Nov. 24		
SPA	e(P)	21 43 22.0
Nov. 24		
SPA	e(P)	21 54 09.0
Nov. 25		
BYR	eP	01 03 47.0
SPA	eP	01 03 37.0
Nov. 25		
BYR	eP	01 43 39.0
Nov. 25		
BYR	eP	02 34 57.0
SPA	iP	02 35 07.0
	e	35 49.0
Nov. 25		
SPA	e(P)	05 55 01.0
Nov. 25		
SPA	eP	06 13 06.0

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Date and Station	Phase	(GCT) h m s
Nov. 25		
SPA	eP	06 13 06.0
Nov. 25		
BYR	eP	06 28 12.0
SPA	eP	06 28 41.0
Nov. 25		
BYR	eP	10 35 10.0
Nov. 25		
BYR	iP	14 23 40.0
	ipP	23 56.0
SPA	iP	14 23 44.0
	epP	23 59.0
	e	24 19.0
	e	24 32.0
Nov. 25		
BYR	eP	15 03 36.0
SPA	eP	15 02 44.0
Nov. 25		
SPA	eP	16 07 11.0
Nov. 25		
BYR	iP	20 08 42.0
SPA	eP	20 09 43.0
Nov. 25		
BYR	eP'	20 38 44.0
SPA	eP'	20 38 42.0
Nov. 25		
BYR	eP	23 05 10.0
SPA	iP	23 05 46.0
Nov. 26		
SPA	e(P)	01 03 56.0
Nov. 26		
BYR	eP	03 41 13.0
	e	42 41.0
SPA	iP	03 42 03.0
Nov. 26		
SPA	eP	05 38 30.0
Nov. 26		
BYR	e(P)	05 49 49.0
Nov. 26		
BYR	iP	06 42 44.0
SPA	eP	06 43 13.0

Date and Station	Phase	(GCT) h m s
Nov. 26		
SPA	e(P)	09 28 23.0
Nov. 26		
BYR	eP	10 11 26.0
SPA	eP	10 12 12.0
Nov. 26		
SPA	eP	10 20 30.0
Nov. 26		
SPA	eP	11 38 45.0
Nov. 26		
SPA	iP	12 00 56.0
Nov. 26		
SPA	e(P)	12 37 05.0
Nov. 26		
SPA	e(P)	13 50 47.0
Nov. 26		
BYR	iP	14 50 18.0
Nov. 26		
SPA	e(P)	15 33 12.0
Nov. 26		
BYR	eP	16 33 38.0
Nov. 26		
SPA	iP	18 16 09.0
Nov. 26		
BYR	e(P)	18 25 16.0
Nov. 26		
BYR	iP	19 16 10.0
Nov. 26		
SPA	e(P)	19 53 16.0
Nov. 26		
BYR	eP	20 54 42.0
Nov. 26		
SPA	iP	21 06 35.0
Nov. 26		
BYR	iP	22 05 58.0
Nov. 26		
BYR	e(P)	22 20 18.0
Nov. 27		
BYR	eP	02 01 02.0
	epP	01 33.0
	i(SCP)	06 57.0
SPA	iP	02 00 49.0
	e(SCP)	06 51.0
Nov. 27		
SPA	e(P)	03 21 36.0
Nov. 27		
BYR	eP	04 00 44.0

Date and Station	Phase	(GCT) h m s
SPA	eP	04 00 45.0
Nov. 27		
BYR	e(P)	05 31 30.0
Nov. 27		
BYR	eP	06 03 40.0
Nov. 27		
SPA	iP	06 06 00.0
Nov. 27		
SPA	iP	06 12 41.0
Nov. 27		
BYR	eP'	06 16 06.0
SPA	iP'	06 16 00.0
Nov. 27		
SPA	eP	06 26 02.0
Nov. 27		
BYR	eP	06 29 15.0
SPA	eP	06 28 57.0
Nov. 27		
SPA	iP	07 12 41.0
Nov. 27		
BYR	eP	11 02 11.0
	e(PP)	03 46.0
SPA	eP	11 01 27.0
Nov. 27		
BYR	eP	17 02 58.0
SPA	eP	17 02 39.0
Nov. 27		
BYR	iP	17 23 54.0
SPA	eP	17 23 34.0
	e	23 48.0
	e	23 58.0
	e	24 07.0
	eSKS	34 23.0
Nov. 27		
BYR	eP	18 01 10.0
SPA	iP	18 00 51.0
Nov. 27		
BYR	iP	19 04 20.0
SPA	eP	19 03 21.0
Nov. 27		
BYR	eP	22 10 13.0
Nov. 27		
BYR	eP	23 36 54.0
	eL	39 55.0

Date and Station	Phase	(GCT) h m s
Nov. 28		
BYR	iP	00 47 11.0
SPA	iP	00 47 41.0
Nov. 28		
BYR	eP	02 53 35.0
SPA	iP	02 35 15.0
Nov. 28		
SPA	eP	04 59 44.0
Nov. 28		
BYR	eP	05 15 03.0
Nov. 28		
BYR	eP'	08 12 55.0
Nov. 28		
BYR	iP	09 00 19.0
SPA	iP	09 00 00.0
Nov. 28		
BYR	eP'	09 18 06.0
Nov. 28		
BYR	eP	10 33 58.0
	eSKP	37 34.0
SPA	iP	10 33 45.0
Nov. 28		
BYR	eP	14 36 00.0
Nov. 28		
BYR	e(P)	15 40 45.0
Nov. 28		
BYR	eP'	16 56 51.0
Nov. 28		
BYR	eP	18 41 35.0
SPA	eP	18 41 12.0
Nov. 28		
BYR	iP	23 06 26.0
SPA	iP	23 06 42.0
Nov. 28		
BYR	eP	23 52 29.0
Nov. 29		
BYR	iP	00 07 48.0
Nov. 29		
BYR	eP	01 30 32.0
Nov. 29		
BYR	iP	02 31 08.0
SPA	iP	02 31 46.0
Nov. 29		
BYR	e(P)	03 30 52.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Nov. 29			Nov. 29			Nov. 30			Dec. 2		
SPA	e(P)	03 35 25.0	BYR	eP	17 45 09.0	BYR	eP	23 23 35.0	BYR	eP	18 56 07.0
Nov. 29			SPA	iP	17 44 52.0	Dec. 1			Dec. 2		
BYR	e(P)	03 58 38.0				SPA	iP	07 07 17.0	SPA	e(P)	19 35 57.0
Nov. 29			Nov. 29			Dec. 1				e	36 20.0
BYR	iP	04 51 12.0	BYR	eP'	18 09 15.0	SPA	iP'	07 54 01.0	Dec. 2		
	i	51 10.0	Nov. 29			Dec. 1			BYR	eP'	19 39 14.0
SPA	iP	04 52 04.0	BYR	eP	20 49 53.0	SPA	e(P)	09 10 13.0	Dec. 2		
	i	52 12.0	Nov. 29			Dec. 1			BYR	eP	19 46 28.0
Nov. 29			BYR	iP	22 06 18.0	SPA	iP	09 28 33.0	Dec. 3		
BYR	iP	05 09 19.0	SPA	iP	22 06 39.0				BYR	eP	00 52 55.0
Nov. 29				i	06 52.0	Dec. 1			Dec. 3		
BYR	e(P)	05 23 14.0	Nov. 29			SPA	e(P)	11 55 10.0	BYR	eP	02 43 15.0
Nov. 29			BYR	iP	22 26 44.0	Dec. 1			Dec. 3		
BYR	eP	05 40 43.0	SPA	eP	22 27 01.0	SPA	eP'	20 46 46.0	BYR	eP	04 06 25.0
Nov. 29			Nov. 29			Dec. 1			SPA	iP	04 07 09.0
BYR	eP	05 46 47.0	BYR	iP	23 05 05.0	SPA	iP	21 31 26.0		i	07 30.0
SPA	iP	05 47 24.0		e	06 12.0	Dec. 1			Dec. 3		
Nov. 29			Nov. 29			SPA	eP'	21 32 34.0	BYR	iP'	08 59 03.0
BYR	eP	09 37 42.0	BYR	eP	23 24 47.0	Dec. 1			SPA	iP'	08 58 57.0
SPA	eP	09 37 34.0		ePcP	26 10.0	SPA	e(P)	21 43 28.0	Dec. 3		
	i	37 41.0	Nov. 30			Dec. 1			BYR	eP'	09 51 48.0
Nov. 29			SPA	iP	10 26 29.0	BYR	e(P)	03 42 15.0	Dec. 3		
BYR	eP	09 58 16.0	Nov. 30			Dec. 1			SPA	eP	10 11 59.0
Nov. 29			SPA	e(P)	10 34 54.0	SPA	e(P)	04 13 48.0	Dec. 3		
BYR	eP	10 07 50.0	Nov. 30			Dec. 1			BYR	iP	12 21 20.0
Nov. 29			SPA	e(P)	12 10 47.0	BYR	eP	04 32 39.0	SPA	eP	12 20 51.0
BYR	eP	10 25 42.0	Nov. 30			Dec. 1			Dec. 3		
	eS	29 59.0	BYR	eP	13 41 19.0	BYR	iP	06 08 29.0	BYR	iP	13 37 14.0
Nov. 29			SPA	iP	13 42 44.0	Dec. 1			Dec. 3		
BYR	e(P)	10 36 19.0	Nov. 30			BYR	eP	07 34 54.0	BYR	eP	14 08 09.0
Nov. 29			BYR	eP	14 25 54.0	Dec. 1			Dec. 3		
BYR	e(P)	10 47 03.0	Nov. 30			BYR	eP	11 38 05.0	BYR	iP	14 37 30.0
Nov. 29			BYR	iP	16 59 49.0	Dec. 1				epP	38 18.0
BYR	eP	12 09 05.0	Nov. 30			BYR	eP'	12 59 27.0	SPA	iP	14 38 11.0
Nov. 29			BYR	e(P)	17 46 00.0	Dec. 1			Dec. 3		
BYR	iP	12 11 05.0	Nov. 30			BYR	e(P)	13 12 04.0	BYR	eP	16 02 39.0
Nov. 29			SPA	e(P)	18 15 00.0	Dec. 1			Dec. 3		
BYR	e(P)	12 38 24.0	Nov. 30			SPA	e(P)	14 07 21.0	BYR	eP	16 26 07.0
Nov. 29			BYR	eP	18 38 31.0	Dec. 2			SPA	iP	16 26 26.0
BYR	eP	12 41 18.0	Nov. 30			BYR	eP	14 17 03.0	Dec. 3		
Nov. 29			BYR	eP	20 13 39.0	SPA	eP	14 37 38.0	BYR	eP	16 58 36.0
BYR	eP'	13 16 14.0	SPA	iP	20 14 10.0	Dec. 2				e	17 04 37.0
Nov. 29			Nov. 30			BYR	eP	17 01 32.0	SPA	iP	16 58 25.0
BYR	eP	14 05 07.0	BYR	eP	21 56 44.0	Dec. 2			Dec. 3		
Nov. 29			Nov. 30			SPA	eP	17 38 20.0	BYR	eP	17 39 36.0
BYR	eP	15 25 08.0	BYR	eP	23 06 44.0	Dec. 2					
			SPA	eP	23 06 23.0	SPA	e(P)	18 46 46.0			

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Date and Station	Phase	(GCT) h m s
Dec. 3		
BYR	eP	18 48 48.0
SPA	eP	18 49 06.0
Dec. 3		
BYR	iP'	20 13 40.0
	e(SKP)	16 33.0
SPA	iP'	20 13 41.0
Dec. 3		
SPA	iP	20 34 14.0
	i	34 34.0
Dec. 3		
BYR	iP	21 15 58.0
Dec. 4		
BYR	iP	01 02 32.0
SPA	iP	01 03 11.0
	i	03 22.0
Dec. 4		
BYR	eP	02 14 06.0
Dec. 4		
BYR	eP'	04 01 54.0
Dec. 4		
BYR	eP	05 45 47.0
SPA	eP	05 45 51.0
Dec. 4		
BYR	eP	08 36 15.0
Dec. 4		
BYR	eP'	08 39 54.0
SPA	eP'	08 40 07.0
Dec. 4		
BYR	e(P)	10 33 07.0
Dec. 4		
BYR	e(P)	11 02 17.0
Dec. 4		
BYR	eP	12 57 14.0
SPA	iP	12 57 11.0
	i	58 12.0
Dec. 4		
BYR	iP	14 06 41.0
Dec. 4		
BYR	eP	16 24 33.0
SPA	eP	16 25 15.0
Dec. 4		
BYR	eP	20 09 40.0
Dec. 4		
BYR	e(P)	22 40 05.0
Dec. 5		
BYR	e(P)	00 27 01.0
Dec. 5		
BYR	iP	04 11 59.0
Dec. 5		
BYR	eP	04 12 46.0
Dec. 5		
BYR	eP	05 48 50.0
Dec. 5		
BYR	iP	06 51 32.0
SPA	iP	06 52 27.0
Dec. 5		
BYR	e(P)	08 10 36.0
Dec. 5		
SPA	e(P)	13 00 07.0
Dec. 5		
BYR	iP	13 08 56.0
SPA	iP	13 08 35.0
	e	09 00.0
	i(PcP)	10 55.0
Dec. 5		
SPA	iP	13 13 50.0
	iPcP	14 10.0
	ipP	14 39.0
	e	19 22.0
Dec. 5		
BYR	eP	13 40 25.0
Dec. 5		
BYR	eP	14 49 00.0
	e	50 55.0
SPA	iP	14 48 37.0
Dec. 5		
BYR	e(P)	15 30 50.0
Dec. 5		
SPA	e(P)	16 56 18.0
Dec. 5		
BYR	iP	17 13 50.0
Dec. 5		
BYR	eP	17 32 59.0
Dec. 5		
BYR	eP	22 42 20.0
Dec. 5		
BYR	eP	23 12 23.0
Dec. 5		
SPA	e(P)	23 18 42.0
Dec. 6		
BYR	eP'	02 35 03.0
Dec. 6		
BYR	eP'	02 39 52.0
Dec. 6		
BYR	eP	04 24 41.0
Dec. 6		
SPA	eP'	05 10 05.0
Dec. 6		
BYR	eP	06 03 26.0
	iP'	07 12.0
	e	17 47.0
Dec. 6		
SPA	e(P)	06 13 16.0
Dec. 6		
BYR	eP	06 18 06.0
Dec. 6		
BYR	eP	07 53 34.0
SPA	iP	07 53 18.0
Dec. 6		
BYR	e(P)	12 06 42.0
Dec. 6		
SPA	e(P)	12 15 00.0
Dec. 6		
BYR	eP	13 11 48.0
Dec. 6		
BYR	iP	13 46 00.0
SPA	iP	13 46 37.0
Dec. 6		
BYR	e(P)	13 52 56.0
Dec. 6		
BYR	eP	14 25 08.0
Dec. 6		
BYR	eP	15 28 19.0
Dec. 6		
BYR	iP	15 53 15.0
Dec. 6		
BYR	eP'	16 58 42.0
	epP'	58 58.0
	esP'	59 11.0
Dec. 6		
BYR	eP	17 02 26.0
	e	02 51.0
Dec. 6		
SPA	eP	23 10 05.0
Dec. 7		
BYR	eP	06 00 29.0
Dec. 7		
BYR	eP	07 11 09.0
Dec. 7		
BYR	eP	08 02 23.0
Dec. 7		
BYR	eP	08 15 50.0
	e	19 17.0
Dec. 7		
BYR	e(P)	08 52 07.0
Dec. 7		
BYR	eP	09 23 27.0
Dec. 7		
BYR	eP	14 43 35.0
Dec. 7		
BYR	eP	15 34 16.0
Dec. 7		
BYR	eP	16 39 09.0
Dec. 7		
BYR	iP	16 45 12.0
	epP	45 44.0
Dec. 8		
BYR	eP	03 56 38.0
Dec. 8		
BYR	eP	05 08 16.0
Dec. 8		
BYR	iP	06 20 30.0
Dec. 8		
BYR	iP	08 25 37.0
Dec. 8		
BYR	iP	09 49 21.0
Dec. 8		
BYR	eP'	10 39 01.0
Dec. 8		
BYR	eP	11 29 47.0
Dec. 8		
BYR	e(P)	12 22 41.0
Dec. 8		
BYR	iP	14 38 17.0
Dec. 8		
BYR	eP	14 53 04.0
Dec. 8		
BYR	eP	15 26 19.0
Dec. 8		
BYR	eP	15 50 58.0
Dec. 8		
BYR	e(P)	16 17 00.0
Dec. 8		
BYR	eP	16 24 01.0

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Date and Station	Phase	(GCT) h m s
Dec. 8		
BYR	e(P)	21 26 10.0
Dec. 8		
BYR	eP	22 12 26.0
Dec. 8		
BYR	e(P)	23 11 39.0
Dec. 9		
BYR	e(P)	00 50 10.0
Dec. 9		
BYR	eP	04 09 55.0
Dec. 9		
BYR	eP	07 34 40.0
	e	37 38.0
Dec. 9		
BYR	e(P)	07 46 11.0
Dec. 9		
BYR	eP	08 24 31.0
SPA	iP	08 24 57.0
Dec. 9		
BYR	eP	10 30 54.0
SPA	eP	10 30 21.0
Dec. 9		
BYR	eP	10 40 36.0
SPA	eP	10 41 33.0
Dec. 9		
BYR	iP	11 01 51.0
SPA	iP	11 02 07.0
Dec. 9		
BYR	iP	11 25 40.0
	ePˈPˈ	57 03.0
SPA	iP	11 26 34.0
	e	27 32.0
	iPP	28 14.0
	i	28 33.0
	ePˈPˈ	57 04.0
Dec. 9		
BYR	eP	17 18 48.0
Dec. 9		
BYR	iP	19 29 25.0
	e	39 48.0
Dec. 9		
SPA	iP	19 59 48.0
	ipP	20 01 50.0
Dec. 9		
BYR	eP	21 52 07.0
Dec. 9		
BYR	iP	22 51 24.0
	e	56 37.0

Date and Station	Phase	(GCT) h m s
Dec. 10		
SPA	iPˈ	05 18 09.0
Dec. 10		
BYR	iP	05 55 14.0
Dec. 10		
BYR	ePˈ	08 58 18.0
	ePP	09 00 40.0
SPA	ePˈ	08 58 01.0
Dec. 10		
BYR	eP	11 40 32.0
Dec. 10		
BYR	eP	12 13 00.0
Dec. 10		
SPA	e(Pˈ)	12 41 01.0
Dec. 10		
BYR	eP	14 19 16.0
Dec. 10		
BYR	e(P)	14 35 01.0
Dec. 10		
BYR	eP	16 23 40.0
Dec. 10		
BYR	eP	17 01 54.0
Dec. 10		
BYR	eP	19 39 32.0
Dec. 10		
SPA	e(P)	19 41 32.0
Dec. 10		
SPA	e(P)	20 48 38.0
Dec. 10		
SPA	e(P)	20 59 38.0
Dec. 10		
BYR	eP	22 04 06.0
Dec. 11		
BYR	eP	05 18 00.0
Dec. 11		
BYR	e(P)	06 18 29.0
Dec. 11		
BYR	e(P)	06 39 37.0
Dec. 11		
BYR	eP	06 44 26.0
Dec. 11		
BYR	eP	07 04 17.0
Dec. 11		
BYR	e(P)	07 17 31.0
Dec. 11		
BYR	eP	07 33 56.0

Date and Station	Phase	(GCT) h m s
Dec. 11		
BYR	e(P)	08 36 57.0
Dec. 11		
BYR	ePˈ	10 11 00.0
SPA	ePˈ	10 10 45.0
Dec. 11		
SPA	eP	15 16 02.0
Dec. 11		
BYR	iP	16 03 45.0
Dec. 11		
BYR	ePˈ	16 12 22.0
	iPP	14 11.0
Dec. 11		
BYR	eP	17 04 03.0
Dec. 11		
BYR	eP	18 15 09.0
SPA	eP	18 15 45.0
Dec. 11		
BYR	e(P)	19 41 21.0
Dec. 11		
BYR	eP	20 45 05.0
Dec. 11		
BYR	eP	22 22 13.0
	e	24 26.0
Dec. 12		
BYR	eP	00 00 23.0
SPA	e(P)	00 01 00.0
Dec. 12		
BYR	eP	00 17 20.0
Dec. 12		
BYR	eP	02 27 24.0
Dec. 12		
BYR	eP	04 08 05.0
Dec. 12		
SPA	e(P)	04 51 26.0
Dec. 12		
BYR	e(P)	05 11 12.0
Dec. 12		
SPA	iP	07 23 07.0
	e	23 26.0
Dec. 12		
SPA	e(P)	09 07 10.0
Dec. 12		
BYR	eP	10 48 34.0
Dec. 12		
SPA	eP	12 27 00.0

Date and Station	Phase	(GCT) h m s
Dec. 12		
BYR	e(P)	13 44 45.0
Dec. 12		
BYR	e(P)	13 56 15.0
Dec. 12		
BYR	eP	16 52 21.0
Dec. 12		
BYR	ePˈ	17 41 40.0
Dec. 12		
BYR	eP	18 06 45.0
Dec. 12		
BYR	eP	18 36 49.0
Dec. 12		
SPA	iP	18 59 28.0
Dec. 12		
BYR	ePˈ	23 25 30.0
SPA	ePˈ	23 25 50.0
Dec. 13		
BYR	iP	01 49 30.0
Dec. 13		
BYR	iP	03 14 36.0
Dec. 13		
BYR	eP	03 29 46.0
Dec. 13		
BYR	eP	03 49 31.0
Dec. 13		
BYR	eP	05 17 18.0
Dec. 13		
BYR	eP	06 35 01.0
Dec. 13		
BYR	ePˈ	08 59 32.0
Dec. 13		
BYR	eP	10 28 59.0
Dec. 13		
BYR	eP	11 30 01.0
SPA	iP	11 30 55.0
	ipP	31 09.0
Dec. 13		
BYR	iP	15 27 38.0
Dec. 13		
BYR	eP	17 00 53.0
SPA	iP	17 01 13.0
	i	01 19.0
	i	01 39.0
Dec. 13		
BYR	e(P)	19 01 30.0

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Date and Station	Phase	(GCT)
Dec. 13		h m s
BYR	iP	19 27 54.0
	epP	28 22.0
Dec. 13		
SPA	eP	19 28 38.0
Dec. 13		
BYR	eP	21 50 18.0
Dec. 14		
BYR	eP	00 57 22.0
Dec. 14		
BYR	eP	01 27 16.0
Dec. 14		
BYR	e(P)	03 17 09.0
Dec. 14		
BYR	e(P)	03 19 53.0
Dec. 14		
BYR	e(P)	03 39 07.0
Dec. 14		
BYR	eP	04 50 48.0
SPA	eP	04 51 26.0
Dec. 14		
BYR	iP	05 12 57.0
Dec. 14		
SPA	e(P)	05 57 10.0
Dec. 14		
BYR	eP	06 11 16.0
Dec. 14		
BYR	eP	06 48 36.0
Dec. 14		
BYR	iP	07 23 15.0
SPA	iP	07 23 07.0
	e	23 26.0
	i	23 32.0
	iPP	26 31.0
Dec. 14		
BYR	eP	07 40 59.0
	e	49 04.0
Dec. 14		
BYR	eP	08 47 17.0
Dec. 14		
BYR	eP	08 55 16.0
Dec. 14		
BYR	eP	12 27 24.0
SPA	eP	12 27 00.0
Dec. 14		
BYR	iP	14 25 25.0
Dec. 14		
BYR	iP	14 54 10.0

Date and Station	Phase	(GCT)
Dec. 14		h m s
BYR	eP	15 29 02.0
Dec. 14		
BYR	eP'	17 43 28.0
Dec. 14		
BYR	eP'	18 12 12.0
Dec. 14		
BYR	iP	18 56 56.0
Dec. 14		
BYR	eP	18 59 24.0
	e	19 00 23.0
SPA	iP	18 59 28.0
Dec. 14		
BYR	iP	23 35 24.0
	e	35 29.0
Dec. 15		
BYR	e(P)	01 28 06.0
Dec. 15		
BYR	e(P)	08 05 55.0
Dec. 15		
BYR	iP	09 05 42.0
Dec. 15		
BYR	e(P)	10 12 33.0
Dec. 15		
BYR	eP	10 59 42.0
Dec. 15		
BYR	eP	11 16 03.0
Dec. 15		
BYR	eP	11 47 13.0
Dec. 15		
BYR	eP	12 48 47.0
SPA	iP	12 48 45.0
Dec. 15		
BYR	eP	16 54 29.0
SPA	eP	16 54 45.0
Dec. 15		
BYR	e(P)	19 15 37.0
Dec. 15		
BYR	eP	19 49 26.0
SPA	eP	19 49 07.0
Dec. 15		
BYR	eP	22 03 16.0
Dec. 15		
BYR	iP	22 41 47.0
	epP	42 17.0
	e	42 39.0
SPA	eP	23 41 28.0

Date and Station	Phase	(GCT)
Dec. 16		h m s
BYR	iP	02 14 37.0
Dec. 16		
BYR	eP	03 08 57.0
Dec. 16		
BYR	eP	03 48 57.0
Dec. 16		
BYR	eP	09 26 50.0
SPA	iP	09 27 27.0
Dec. 16		
BYR	eP	10 09 27.0
SPA	iP	10 10 00.0
Dec. 16		
BYR	eP	13 59 45.0
	eSKP	14 03 18.0
Dec. 16		
SPA	e(P)	14 05 00.0
Dec. 16		
SPA	iP	16 38 46.0
Dec. 16		
BYR	iP	16 53 15.0
Dec. 16		
BYR	eP	19 02 00.0
Dec. 16		
BYR	eP	20 44 46.0
SPA	iP	20 45 20.0
	e	46 45.0
	eScP	49 19.0
Dec. 16		
BYR	eP	21 35 33.0
Dec. 17		
SPA	e(P)	00 05 00.0
Dec. 17		
BYR	iP	02 33 54.0
Dec. 17		
BYR	eP	03 44 46.0
Dec. 17		
BYR	eP	04 12 56.0
Dec. 17		
BYR	eP	04 43 40.0
Dec. 17		
BYR	eP	05 17 24.0
Dec. 17		
BYR	iP	05 49 19.0
Dec. 17		
BYR	eP	06 12 32.0
SPA	iP	06 13 19.0

Date and Station	Phase	(GCT)
Dec. 17		h m s
BYR	iP	16 10 18.0
Dec. 17		
BYR	eP	18 11 46.0
Dec. 17		
BYR	iP	21 43 00.0
	epP	43 19.0
Dec. 17		
BYR	eP	22 00 39.0
Dec. 17		
SPA	e(P)	22 15 20.0
Dec. 17		
BYR	eP	22 18 18.0
Dec. 17		
BYR	e(P)	22 27 43.0
Dec. 17		
SPA	eP	22 36 00.0
Dec. 17		
BYR	e(P)	22 58 45.0
Dec. 18		
BYR	eP	00 22 09.0
Dec. 18		
BYR	iP	00 31 22.0
Dec. 18		
BYR	iP	00 42 19.0
Dec. 18		
BYR	eP	01 35 25.0
Dec. 18		
BYR	eP	02 15 10.0
Dec. 18		
BYR	eP	03 09 44.0
	e	21 05.0
Dec. 18		
BYR	eP	03 21 16.0
Dec. 18		
BYR	iP	06 13 19.0
	i	13 37.0
Dec. 18		
BYR	e(P)	07 23 33.0
Dec. 18		
BYR	eP	08 56 17.0
Dec. 18		
BYR	eP	10 07 57.0
Dec. 18		
BYR	eP	11 49 33.0
Dec. 18		
BYR	eP	12 21 42.0

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Date and Station	Phase	(GCT)
		h m s
Dec. 18		
BYR	e(P)	12 37 14.0
Dec. 18		
BYR	eP	13 39 35.0
Dec. 18		
BYR	eP	14 48 14.0
Dec. 18		
BYR	iP'	17 01 10.0
Dec. 18		
SPA	e(P)	22 15 20.0
Dec. 18		
BYR	eP	22 35 21.0
SPA	eP	22 36 00.0
Dec. 19		
SPA	eP	04 59 52.0
Dec. 19		
SPA	e(P)	13 14 10.0
Dec. 19		
BYR	e(P)	13 34 01.0
Dec. 19		
BYR	eP	14 30 21.0
Dec. 19		
BYR	eP'	14 50 16.0
Dec. 19		
BYR	e(P)	15 54 37.0
	e	54 56.0
Dec. 19		
BYR	eP	16 23 12.0
SPA	eP	16 22 49.0
Dec. 19		
BYR	eP	18 24 00.0
Dec. 19		
BYR	eP	21 53 06.0
Dec. 20		
BYR	e(P)	01 40 04.0
Dec. 20		
BYR	eP	01 58 00.0
SPA	iP	01 57 36.0
Dec. 20		
SPA	eP	04 59 52.0
Dec. 20		
BYR	eP	05 51 40.0
Dec. 20		
BYR	eP	08 39 06.0
	e	44 31.0
Dec. 20		
BYR	iP	10 42 02.0

Date and Station	Phase	(GCT)
		h m s
Dec. 20		
SPA	e(P)	13 14 10.0
Dec. 20		
BYR	iP	13 38 04.0
	epP	38 46.0
SPA	iP	13 38 38.0
	e	39 08.0
	ipP	39 23.0
	i(PP)	42 32.0
	ipPP	43 05.0
	e(S)	49 31.0
Dec. 20		
SPA	eP	15 54 37.0
Dec. 20		
SPA	e(P)	16 22 49.0
Dec. 20		
BYR	e(P)	18 25 04.0
Dec. 20		
BYR	eP	19 39 31.0
Dec. 20		
BYR	e(P)	21 46 35.0
Dec. 20		
BYR	iP	22 47 14.0
Dec. 20		
BYR	eP	23 59 10.0
SPA	iP	23 59 29.0
Dec. 21		
SPA	iP	01 14 22.0
Dec. 21		
SPA	iP	01 57 36.0
Dec. 21		
BYR	eP	04 49 10.0
Dec. 21		
BYR	eP	07 23 40.0
Dec. 21		
BYR	iP	12 14 29.0
SPA	iP	12 14 24.0
Dec. 21		
BYR	e(P)	12 20 40.0
Dec. 21		
BYR	eP	13 43 06.0
Dec. 21		
BYR	eP	14 54 48.0
Dec. 21		
BYR	eP	16 22 06.0
Dec. 21		
BYR	eP	17 21 36.0

Date and Station	Phase	(GCT)
		h m s
Dec. 21		
BYR	e(P)	18 10 30.0
Dec. 21		
BYR	iP	18 15 50.0
	e	16 41.0
SPA	iP	18 15 29.0
Dec. 21		
BYR	iP	23 49 57.0
SPA	eP	23 49 46.0
Dec. 21		
SPA	iP	23 59 29.0
Dec. 22		
BYR	eP	04 42 13.0
Dec. 22		
BYR	iP	10 46 38.0
SPA	iP	10 46 25.0
Dec. 22		
BYR	eP	13 47 58.0
SPA	eP	13 48 14.0
Dec. 22		
SPA	eP'	15 18 16.0
Dec. 22		
SPA	iP	22 22 44.0
Dec. 23		
BYR	iP	16 36 21.0
	ePP	39 10.0
Dec. 23		
BYR	eP	17 33 42.0
Dec. 23		
BYR	iP'	19 30 28.0
	epP'	31 30.0
Dec. 23		
BYR	iP	21 28 26.0
Dec. 23		
BYR	e(P)	22 01 48.0
Dec. 24		
BYR	iP	00 11 00.0
Dec. 24		
BYR	iP	01 24 59.0
Dec. 24		
BYR	eP'	02 24 00.0
Dec. 24		
BYR	eP	02 33 58.0
	e	34 13.0
Dec. 24		
BYR	eP	02 52 59.0

Date and Station	Phase	(GCT)
		h m s
SPA	iP	02 52 49.0
	e	53 00.0
Dec. 24		
BYR	eP	03 18 46.0
SPA	eP	03 18 01.0
Dec. 24		
BYR	e(P)	03 33 24.0
Dec. 24		
BYR	eP	04 03 38.0
Dec. 24		
BYR	e(P)	04 31 25.0
Dec. 24		
BYR	eP	04 35 27.0
Dec. 24		
BYR	eP	04 47 23.0
Dec. 24		
BYR	eP	06 47 02.0
SPA	eP	06 45 09.0
Dec. 24		
BYR	eP'	07 09 58.0
	epP'	10 28.0
	esP'	10 45.0
Dec. 24		
BYR	eP'	07 32 36.0
	ePP	35 53.0
SPA	eP'	07 32 16.0
Dec. 24		
BYR	eP	08 18 12.0
Dec. 24		
BYR	eP	08 41 00.0
SPA	eP	08 40 51.0
Dec. 24		
BYR	eP	08 57 38.0
	e	09 01 04.0
SPA	eP	08 57 27.0
Dec. 24		
BYR	eP	09 29 34.0
SPA	eP	09 30 09.0
Dec. 24		
BYR	eP	10 05 12.0
	e	06 24.0
Dec. 24		
BYR	eP	10 41 46.0
SPA	iP	10 41 35.0

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Dec. 24			Dec. 25			Dec. 26			Dec. 28		
BYR	iP	12 09 45.0	BYR	eP	01 46 25.0	BYR	eP	06 27 06.0	BYR	eP	01 49 45.0
							e	27 10.0			
Dec. 24			Dec. 25						Dec. 28		
BYR	eP	13 01 19.0	BYR	iP	08 13 58.0	SPA	iP	06 25 59.0	BYR	e(P)	03 45 17.0
Dec. 24			Dec. 25			Dec. 26			Dec. 28		
BYR	iP	14 37 19.0	BYR	iP	08 26 24.0	BYR	iP	06 46 58.0	BYR	eP	03 51 59.0
	eL	15 01 04.0					epP	48 42.0			
			Dec. 25						Dec. 28		
SPA	iP	14 38 00.0	BYR	eP	08 41 07.0	SPA	eP	06 46 27.0	BYR	eP	05 31 51.0
	i	38 51.0									
			Dec. 25			Dec. 26			Dec. 28		
Dec. 24			BYR	eP	09 22 07.0	BYR	eP	07 08 17.0	BYR	iP	05 52 16.0
BYR	eP	16 35 54.0									
			SPA	eP	09 21 46.0	Dec. 26			SPA	iP	05 53 12.0
SPA	eP	16 35 43.0				BYR	e(P)	08 06 58.0			
			Dec. 25						Dec. 28		
Dec. 24			BYR	iP	09 34 25.0	Dec. 27			BYR	eP	06 19 28.0
BYR	eP	16 56 42.0				BYR	iP	02 26 09.0		e	19 39.0
			Dec. 25				epP	26 36.0			
Dec. 24			BYR	eP	09 41 26.0				Dec. 28		
BYR	eP	17 11 19.0				SPA	iP	02 26 48.0	BYR	eP	12 02 04.0
			Dec. 25							e	02 31.0
SPA	iP	17 11 03.0	BYR	iP	10 38 53.0	Dec. 27					
						SPA	eP	02 38 35.0	Dec. 28		
Dec. 24			Dec. 25						BYR	eP	19 56 17.0
BYR	eP	17 27 32.0	BYR	eP'	11 38 11.0	Dec. 27					
						BYR	eP	02 54 58.0	Dec. 28		
SPA	eP	17 28 13.0	Dec. 25						BYR	eP	20 41 42.0
			BYR	iP	14 06 07.0	Dec. 27					
Dec. 24						BYR	iP	03 54 01.0	Dec. 28		
BYR	eP	18 31 18.0	SPA	iP	14 06 35.0		e	54 46.0	BYR	iP	22 32 28.0
			Dec. 25								
SPA	eP	18 30 58.0	BYR	eP	14 33 00.0	Dec. 27			SPA	iP	22 31 44.0
						BYR	iP	07 27 59.0			
Dec. 24			Dec. 25						Dec. 28		
BYR	iP	19 26 34.0	SPA	e(P)	14 45 04.0	Dec. 27			BYR	iP	24 07 28.0
						BYR	eP	07 56 38.0			
SPA	eP	19 25 27.0	Dec. 25						SPA	iP	24 07 45.0
			BYR	eP	16 01 37.0	Dec. 27					
Dec. 24						BYR	e(P)	11 49 55.0	Dec. 29		
BYR	iP	20 25 06.0	SPA	eP	16 01 14.0				BYR	eP'	08 19 20.0
						Dec. 27					
Dec. 24			Dec. 25			BYR	eP	12 02 01.0	Dec. 29		
BYR	eP	21 58 27.0	BYR	eP	20 18 04.0				BYR	eP	10 12 56.0
				e	18 16.0	Dec. 27					
Dec. 24						BYR	eP	13 53 18.0	SPA	iP	10 13 02.0
BYR	eP	22 17 44.0	Dec. 25								
			BYR	e(P)	21 28 24.0	Dec. 27			Dec. 29		
Dec. 24						BYR	eP	16 59 36.0	BYR	eP	13 06 03.0
BYR	eP	23 51 37.0	Dec. 25								
	eS	57 30.0	BYR	eP'	22 10 14.0	SPA	iP	16 59 22.0	Dec. 29		
									SPA	iP	15 45 29.0
SPA	iP	23 52 26.0	Dec. 25			Dec. 27					
	i	53 03.0	BYR	eP	22 37 36.0	BYR	e(P)	17 16 28.0	Dec. 29		
	e	58 22.0							SPA	e(P)	22 19 43.0
			SPA	eP	22 37 02.0	Dec. 27					
Dec. 25						BYR	e(P)	18 11 04.0	Dec. 30		
BYR	eP	00 14 46.0	Dec. 25						SPA	iP'	00 58 50.0
			BYR	eP	22 59 58.0	Dec. 27					
SPA	eP	00 14 36.0				BYR	eP	18 22 01.0	Dec. 30		
			Dec. 25						SPA	eP	03 55 31.0
Dec. 25			BYR	eP	23 13 20.0	Dec. 27					
BYR	eP	01 12 50.0				BYR	eP	23 30 49.0	Dec. 30		
			Dec. 26						SPA	eP'	09 36 41.0
Dec. 25			BYR	iP	04 37 05.0	Dec. 27					
BYR	eP	01 23 03.0				BYR	eP	23 56 17.0	Dec. 30		
	epP	23 20.0	SPA	iP	04 36 34.0				SPA	eP'	10 34 04.0
						SPA	iP	23 56 46.0			

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Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)	Date and Station	Phase	(GCT)
		h m s			h m s			h m s			h m s
Dec. 30											
SPA	iP	11 59 32.0									
Dec. 30											
SPA	eP	15 43 16.0									
Dec. 30											
BYR	iP	15 55 05.0									
Dec. 30											
BYR	eP	16 52 04.0									
Dec. 30											
BYR	eP	17 01 07.0									
	eSKP	04 47.0									
SPA	eP	17 01 19.0									
Dec. 30											
BYR	e(P)	18 32 39.0									
Dec. 30											
SPA	iP	19 11 26.0									
Dec. 30											
BYR	eP'	19 27 56.0									
SPA	eP'	19 28 11.0									
Dec. 30											
BYR	eP	20 32 50.0									
Dec. 30											
BYR	eP	22 16 33.0									
Dec. 31											
BYR	eP	00 08 49.0									
Dec. 31											
BYR	e(P)	06 01 27.0									
Dec. 31											
BYR	eP	09 02 01.0									
	e	02 19.0									
Dec. 31											
BYR	iP	13 59 11.0									
	epP	59 47.0									
SPA	iP	13 58 57.0									
Dec. 31											
BYR	eP'	16 14 04.0									
Dec. 31											
BYR	eP	16 20 38.0									
Dec. 31											
BYR	eP'	18 07 41.0									
Dec. 31											
BYR	eP	20 05 37.0									
Dec. 31											
BYR	eP	22 11 18.0									
Dec. 31											
BYR	eP	23 24 10.0									
SPA	eP	23 25 01.0									