SEISMOLOGICAL BULLETIN

SOUTH POLE – BYRD SUPPLEMENT

JULY - SEPTEMBER, 1960

MSI – 235A

CONTENTS

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

FOR OFFICIAL DISTRIBUTION

SEISMOLOGICAL BULLETIN

SOUTH POLE-BYRD SUPPLEMENT

July-September 1960

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

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Components	T_0 (Sec.)	T_g (Sec.)	Time Scale
South Pole (SPA) In Charge: W.S. Jacobs	90°S.	0°	1995 meters of ice.	2800 meters.	Benioff Paper.	Z	1.6	0.5	60mm/min.
					Wilson-Lamison (120°E.-60°W.) Horizontal Film.		5.6	0.48	15mm/min.
BYRD (BYR) In Charge: L.E. Davis	80°01'S.	119°31'W.	2570 meters of ice.	1515 meters.	Benioff.	Z	1.2	0.5	60mm/min.
					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.

Date and Station	Phase	(GCT)
		h m s
July 1		
BYR	eP	00 09 06
SPA	eP	00 08 37.7
	e	08 49.7
July 1		
BYR	eP	01 32 40
July 1		
SPA	eP	02 30 12.2
July 1		
SPA	eP	04 38 10.4
	e	38 38.4
July 1		
SPA	eP	05 17 59.2
July 1		
BYR	eP	06 17 15.2
SPA	eP	06 17 21.9
July 1		
SPA	eP	07 03 36.7
July 1		
BYR	eP'	08 18 30
SPA	eP'	08 18 35.8
	e	18 45.3
	e	19 17.7
July 1		
BYR	eP	08 27 19
SPA	eP	08 23 08.1
July 1		
SPA	e(P)	08 48 17.2
	e	52 18.8
July 1		
BYR	eP	10 22 03
SPA	eP	10 22 12.6
	e	22 16.8
July 1		
SPA	e(P)	11 02 50.2
July 1		
SPA	e(P)	13 03 02.6
	e	11 17.7
July 1		
BYR	eP	13 43 2[illegible]
SPA	eP	13 44 11.4
	e	44 39.2
July 1		
SPA	eP	14 09 08.6
July 1		
BYR	eP	16 00 05
SPA	eP	16 00 36.2
	e	01 20.7

Date and Station	Phase	(GCT)
		h m s
July 1		
BYR	eP	18 05 17
SPA	eP	18 05 51.5
	e	06 21.2
July 1		
BYR	eP	20 32 05
July 1		
BYR	eP	21 1 01
July 1		
BYR	eP	21 30 42
SPA	eP	21 11 20.1
July 1		
SPA	eP	22 04 01.7
July 1		
BYR	eP	23 08 09.7
SPA	eP	23 09 28.9
July 1		
SPA	eP	23 20 37.2
	e	21 08.6
July 1		
BYR	eP	23 31 39
SPA	eP	23 31 31.9
July 2		
SPA	eP	01 07 35.8
July 2		
BYR	eP	01 10 24
SPA	eP	01 11 01.8
July 2		
SPA	iP	02 24 36.1
	e	24 55.5
July 2		
BYR	e(P)	03 35 07
SPA	eP	03 36 09.0
July 2		
SPA	eP	03 39 19.9
July 2		
BYR	iP	03 50 01
July 2		
SPA	eP	03 50 28.1
July 2		
SPA	e(P)	04 23 15.7
July 2		
SPA	eP	04 24 58.1
July 2		
SPA	eP	04 28 31.8

Date and Station	Phase	(GCT)
		h m s
July 2		
BYR	eP'	04 48 48
	eSKP	52 38
SPA	eP'	04 48 57.1
	eSKP	52 13.6
July 2		
SPA	iP	05 07 12.2
July 2		
SPA	eP	05 11 05.0
July 2		
SPA	eP	05 12 48.7
July 2		
SPA	iP	05 28 06.2
	e	30 39.3
	e	39 12.8
July 2		
SPA	eP	05 45 47.6
	e	45 57.3
	e	46 27.3
July 2		
SPA	iP	05 54 20.6
July 2		
BYR	eP	07 05 49
SPA	eP	07 06 40
July 2		
SPA	eP	08 09 35.0
	e	09 52.3
July 2		
SPA	eP	08 17 44.8
July 2		
BYR	iP	09 05 23
July 2		
SPA	eP	09 06 17.0
	e	06 23.4
July 2		
BYR	eP	10 25 18
SPA	eP	10 26 08
July 2		
BYR	eP	12 02 4[illegible]
	e	03 11
	iS	08 43
July 2		
SPA	iP	12 02 29
	ePP	03 46
	e	05 33
	eS	07 37
July 2		
SPA	eP	12 35 12
July 2		
SPA	e(P)	12 4[illegible] 52.5

Date and Station	Phase	(GCT)
		h m s
July 2		
SPA	eP	13 02 23.7
July 2		
BYR	eP'	13 05 19
SPA	eP'	13 05 09
July 2		
SPA	eP	15 17 53.5
July 2		
SPA	eP	19 2[illegible] 12.3
July 2		
BYR	e(P)	21 14 51
SPA	eP	21 13 41.1
	e	16 09.9
July 2		
SPA	eP'	22 12 46.3
July 2		
SPA	eP	23 25 34.5
July 3		
SPA	eP	02 03 46.7
	e	07 38.2
July 3		
SPA	eP	00 13 48.3
July 3		
SPA	eP	01 38 33
July 3		
SPA	eP	02 19 43.1
July 3		
SPA	eP	02 28 15.7
	e	28 25.7
July 3		
SPA	eP	02 38 30.7
July 3		
SPA	eP'	03 36 01.6
	e	03 39 09.6
July 3		
SPA	eP	04 28 18
	e	28 23
July 3		
SPA	eP'	05 35 34
	e	35 49
July 3		
BYR	iP	07 25 45
July 3		
SPA	eP	07 26 25.5
July 3		
SPA	eP'	07 35 50
July 3		
SPA	eP	10 30 25.3

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Date and Station	Phase	(GCT)
		h m s
July 3		
SPA	eP	11 17 24.4
July 3		
SPA	eP	11 24 47.4
July 3		
BYR	eP	13 35 40
SPA	eP	13 37 06.7
	ePcP	38 07.4
July 3		
SPA	eP	18 16 13.8
July 3		
SPA	eP	20 23 07.3
July 3		
BYR	eP'	20 39 49
	iSKP	43 33
	e	52 02
	e	55 58
SPA	eP'	20 40 08.4
	e	40 17.3
	e	40 38.9
	eSKP	43 49.9
	e	55 22.7
July 3		
BYR	eP	20 50 05
SPA	eP	21 50 21.8
	e	50 33.5
	e	50 47.5
July 3		
BYR	e(P)	22 05 54
July 3		
BYR	eP'	23 11 39
SPA	eP'	23 11 45.4
	e	12 03.3
	e	12 22.5
July 3		
BYR	eP	23 25 34
July 3		
SPA	eP	23 50 18.3
	e	50 29.1
July 4		
SPA	eP	00 05 50.7
July 4		
SPA	eP	00 23 34.3
July 4		
SPA	eP	00 45 28.5
July 4		
BYR	eP	01 33 13
SPA	eP	01 33 47.6
	e	33 54.6
July 4		
SPA	eP	02 24 51.6

Date and Station	Phase	(GCT)
		h m s
July 4		
SPA	eP	02 49 40
July 4		
BYR	eP	02 55 59
SPA	eP	02 56 52.2
	e	57 26.7
July 4		
SPA	eP'	04 02 22
July 4		
BYR	e(P)	04 06 06
SPA	eP	04 07 00.7
July 4		
SPA	eP	04 12 11.2
	e	13 21.9
July 4		
BYR	eP'	04 28 22
July 4		
SPA	eP	04 32 30
	e	33 40
July 4		
BYR	eP	04 47 49
	ePP	50 16
	eSKP	51 25
SPA	eP	04 48 02.7
	e	48 09.8
	ePP	51 17.4
July 4		
BYR	eP	04 59 44
July 4		
SPA	eP	06 41 37
July 4		
BYR	e(P)	07 29 56
July 4		
BYR	iP	08 12 55
	epP	14 56
SPA	eP	08 13 29.5
	epP	15 31.1
July 4		
SPA	eP	08 48 14.6
July 4		
BYR	eP	09 31 11
July 4		
SPA	eP	09 58 02
July 4		
SPA	eP	10 57 06.9
July 4		
SPA	eP	11 23 56.5
July 4		
BYR	eP'	13 29 36

Date and Station	Phase	(GCT)
		h m s
SPA	eP'	13 29 36
July 4		
BYR	e(P)	13 55 10
July 4		
BYR	eP'	14 09 06
SPA	eP'	14 09 26
July 4		
BYR	e(P)	15 04 51
July 4		
BYR	eP	15 45 51
July 4		
SPA	eP	16 56 34
July 4		
BYR	eP	21 24 00
July 4		
BYR	iP	21 37 03
	i	37 26
	e	37 50
	e	38 00
SPA	eP	21 37 55.1
	e	37 03.8
	e	37 18.1
July 4		
SPA	eP	22 45 01.8
July 4		
SPA	eP	22 49 01.2
July 5		
BYR	eP	00 16 29
SPA	eP	00 15 51.9
	e	17 23.8
	e	17 36.2
July 5		
SPA	eP	00 28 46
July 5		
BYR	eP	01 14 22
July 5		
SPA	eP	02 48 48
July 5		
SPA	eP	04 38 27.3
July 5		
BYR	eP'	05 27 16
SPA	eP	05 27 21.3
	e	27 30.2
	eSKP	30 59.5
July 5		
BYR	eP	05 53 45
	e	54 22
	ePcP	55 25

Date and Station	Phase	(GCT)
		h m s
SPA	eP	05 54 34.8
	e	55 02.6
	ePcP	55 34.5
	e	06 00 18.0
July 5		
BYR	eP	08 14 50
	e	14 56
	e	15 22
SPA	eP	08 15 38.3
	e	15 45.8
July 5		
BYR	eP	0903 36
SPA	eP	09 02 42.7
	e	04 46.9
July 5		
SPA	eP	09 54 55.5
July 5		
SPA	eP	11 29 31.8
July 5		
BYR	eP	14 05 05
	e	05 37
SPA	eP	14 04 50.1
	e	04 55.4
	e	07 22.7
July 5		
BYR	e(P)	14 10 59
SPA	eP	14 10 52.1
July 5		
BYR	e(P)	14 55 11
July 5		
SPA	eP	16 02 37
July 5		
BYR	eP	18 44 58
July 5		
SPA	eP	21 19 42.5
July 5		
BYR	eP	21 26 01
	epP	27 54
SPA	eP	21 26 33.6
	epP	28 27.6
	e	28 50.2
July 5		
BYR	e(P)	21 39 59
July 5		
BYR	e(P)	21 50 15
SPA	eP	21 49 02.1
	e	50 28.5
July 5		
SPA	eP	23 28 30.5

Date and Station	Phase (GCT)
July 6	h m s
BYR eP	01 27 35
SPA eP	01 28 24.0
e	29 14.9
e	29 25.5
July 6	
SPA eP	03 06 00
July 6	
SPA eP	03 16 34.9
e	17 12.9
July 6	
SPA eP	03 18 12.8
July 6	
SPA eP	03 20 37.1
July 6	
SPA eP	04 33 35.2
e	34 10.7
July 6	
SPA eP	05 23 46.6
e	26 03.6
July 6	
BYR eP	05 35 32
i	35 44
iSKP	38 57
SPA eP	05 35 18.2
e	35 22.7
eSKP	38 11.8
ePSK	38 50.2
July 6	
SPA eP	05 48 53
July 6	
BYR eP	07 16 21
SPA eP	07 15 05
e	18 04
July 6	
BYR eP	10 57 12
July 6	
BYR e(P)	11 52 52
July 6	
SPA eP	12 05 08.4
July 6	
SPA eP	12 40 03.1
July 6	
SPA eP	13 49 22.6
July 6	
SPA eP	14 55 56.8
July 6	
BYR eP	15 03 02
SPA eP	15 02 46.0
e	02 51.5

Date and Station	Phase (GCT)
July 6	h m s
BYR eP	15 51 50
SPA eP	15 52 43.0
July 6	
SPA eP	20 35 50.4
July 6	
BYR e(P)	21 25 08
July 6	
BYR e(P)	21 39 54
SPA eP	21 40 29
July 6	
SPA eP	21 42 20.3
July 6	
SPA eP	21 47 37.7
e	47 51.3
July 6	
BYR eP	22 17 49
SPA eP	22 18 09.9
e	18 35.3
July 6	
BYR eP	23 30 13
SPA eP	23 29 45.3
e	29 56.7
July 6	
BYR iP	23 48 32
SPA eP	23 48 34.6
e	49 08.0
July 7	
SPA eP	00 05 54
e	07 06
July 7	
SPA eP	00 39 43.6
July 7	
BYR e(P)	00 43 21
SPA eP	00 44 15
July 7	
SPA eP	00 48 40.5
July 7	
SPA eP	00 53 49.3
July 7	
BYR e(P)	01 09 09
e	09 17
SPA eP	01 10 08.7
July 7	
SPA eP	01 23 16
July 7	
SPA eP	02 56 12.7

Date and Station	Phase (GCT)
July 7	h m s
SPA eP	02 56 12.7
July 7	
SPA eP	03 04 29.3
July 7	
SPA eP	04 30 15
July 7	
BYR e(P)	04 45 39
July 7	
SPA eP	06 16 02.9
July 7	
SPA eP	06 38 20.3
July 7	
BYR eP	08 36 37
SPA eP	08 37 26.9
July 7	
SPA eP	09 50 16.3
July 7	
SPA eP	10 37 08.9
July 7	
SPA eP	10 56 30.6
e	56 59.7
July 7	
SPA eP	11 29 00
July 7	
SPA eP	13 35 43.7
July 7	
BYR iP	15 55 03
SPA eP	15 55 55.5
e	56 03.8
July 7	
SPA eP	16 21 27
July 7	
BYR eP	16 53 41
July 7	
SPA eP	16 54 54.3
e	54 58.0
ePcP	56 01.6
ePP	57 18.0
July 7	
BYR eP	17 46 13
i	46 41
SPA eP	17 47 01.1
e	47 10.4
e	47 45.6
July 7	
BYR eP	18 08 10
SPA eP	18 09 03.9

Date and Station	Phase (GCT)
July 7	h m s
BYR e(P)	21 11 20
July 7	
BYR iP	21 49 18
e	49 55
SPA eP	21 50 08
e	50 35
July 7	
SPA eP	23 00 51.8
July 8	
SPA eP	01 43 38.3
e	44 24.9
July 8	
SPA eP	04 06 21.0
July 8	
BYR e(P)	04 23 57
e	24 34
July 8	
SPA eP	04 48 08.2
July 8	
SPA eP	05 29 14
July 8	
SPA eP	06 43 50.3
July 8	
SPA eP	07 53 21.8
e	54 23.1
July 8	
SPA eP	08 28 45
July 8	
SPA e(P)	09 47 35
July 8	
BYR eP'	10 28 31
SPA eP'	10 28 36.4
e	28 45.7
July 8	
BYR e(P)	12 49 45
July 8	
SPA eP	12 57 39.3
July 8	
BYR iP'	13 10 18
ePP	12 14
ePKKP	20 08
SPA ep'	13 10 10.3
ePP	11 13.7
ePKKP	20 17.3
July 8	
SPA eP	13 55 32.0

Date and Station	Phase (GCT)
July 8	h m s
BYR eP	14 57 30
i	58 07
SPA eP	14 57 08.9
e	57 39.9
July 8	
SPA eP	15 26 30
July 8	
BYR eP	15 34 51
epP	35 40
SPA iP	15 35 06.6
e	35 10.1
July 8	
BYR iP	16 14 25
July 8	
SPA eP	16 15 15.9
July 8	
SPA eP	16 57 58.5
July 8	
BYR eP'	17 09 08
July 8	
SPA eP	18 47 38.7
July 8	
BYR eP	19 29 39
SPA eP	19 30 28.9
e	33 59.4
e	34 23.7
July 8	
BYR eP	20 24 36
SPA eP	20 25 30.9
e	25 37.0
July 8	
BYR eP	20 44 06
SPA eP	20 44 58
July 8	
SPA eP	21 46 38.9
July 8	
SPA eP	21 48 37.5
July 8	
SPA eP	21 50 29.8
July 8	
SPA eP	23 20 41.4
e	20 44.4
July 8	
SPA eP	23 30 49.0
e	31 28.0
July 8	
SPA eP	23 34 39.8

Date and Station	Phase (GCT)
July 9	h m s
SPA eP	00 06 33
July 9	
SPA eP	00 32 04.9
e	32 31.6
July 9	
BYR eP'	00 44 01
SPA eP'	00 44 08.6
July 9	
BYR eP	01 08 16
July 9	
SPA eP	02 07 10.7
July 9	
BYR iP	02 16 21
epP	17 09
SPA eP	02 16 58.2
July 9	
SPA eP	04 03 41.5
July 9	
SPA eP	04 22 34.0
July 9	
BYR iP	06 13 40
July 9	
BYR iP	06 13 40
i	13 47
SPA eP	06 14 08.9
e	14 36.9
July 9	
SPA eP	07 22 24
July 9	
BYR iP	08 44 47
SPA iP	08 44 31.1
e	47 07.8
e	50 41.1
July 9	
SPA eP	09 38 52
July 9	
SPA eP	11 03 59.0
e	04 23.8
e	05 17.1
July 9	
SPA eP	13 55 27.9
e	55 30.2
July 9	
SPA eP	16 04 03.3
July 9	
BYR eP	17 54 32
e	56 24

Date and Station	Phase (GCT)
	h m s
SPA eP	17 54 14.2
e	54 29.3
e	57 54.5
eS	59 35.4
e	18 00 45.4
July 9	
SPA eP	20 03 02.3
July 9	
SPA eP	21 33 08.6
e	33 42.6
July 9	
SPA eP	21 39 49.8
July 9	
SPA eP	22 56 34.1
July 9	
SPA eP	23 24 46.4
July 9	
SPA iP	23 25 23.0
July 10	
SPA eP	00 03 56
e	04 07
July 10	
SPA eP	00 18 24.7
e	18 33.1
E(PP)	22 08.4
E(S)	28 47.9
EP'P'	43 54.0
BYR eP	00 19 02
i	19 11
ePP	23 02
July 10	
SPA eP	01 58 32.8
	58 48.3
July 10	
SPA eP	02 28 58
e	29 38
July 10	
BYR eP	02 34 13
SPA e(P)	02 33 11
e	34 22
e	35 04
July 10	
SPA eP	02 37 10.2
July 10	
SPA eP	03 02 25.3
July 10	
SPA eP	03 44 11.3
July 10	
BYR eP	04 23 53
SPA eP	04 23 43

Date and Station	Phase (GCT)
July 10	h m s
SPA eP	05 50 15.8
July 10	
SPA e(P)	06 06 16
July 10	
SPA eP	06 52 59
July 10	
SPA eP	07 41 48.7
July 10	
BYR iP	07 55 27
SPA eP	07 56 03
July 10	
SPA e(P')	08 18 19
July 10	
BYR iP	09 16 46
SPA eP	09 17 42
July 10	
SPA e(P)	10 55 10.2
e	56 38.3
e	57 01
July 10	
SPA eP	11 16 16.1
July 10	
BYR eP	13 53 01
July 10	
SPA eP'	14 08 10
July 10	
BYR e(P)	14 37 36
SPA eP	14 38 16.5
July 10	
SPA eP	18 53 34
e	59 43
July 10	
BYR e(P)	19 43 58
July 10	
BYR eP	20 23 46
SPA eP	20 24 39.1
e	24 47.3
July 10	
BYR eP	20 30 34
e	32 43
SPA eP	20 30 10
ePP	31 28
July 10	
SPA eP	21 03 55.6

Date and Station	Phase	(GCT)
		h m s
July 10		
SPA	eP	22 35 49.1
July 10		
SPA	eP	23 24 36.4
	e	24 48.6
July 10		
BYR	e(P)	23 28 03
	e	38 14
SPA	eP	23 38 39
July 11		
BYR	eP	01 46 24
SPA	eP	01 47 15.1
July 11		
BYR	eP	01 51 14
July 11		
BYR	eP	01 58 00
SPA	eP	01 58 54.6
July 11		
SPA	e(P)	02 29 20
July 11		
SPA	eP	05 20 06.6
July 11		
SPA	eP	05 51 46.6
July 11		
BYR	iP	07 06 49
SPA	eP	07 07 38.6
	e	07 44.3
July 11		
BYR	iP	07 41 00
	ePcP	42 28
	e	45 00
SPA	eP	07 40 35.1
	e	41 13.8
	ePP	41 51.5
July 11		
BYR	eP	08 15 15
SPA	eP	08 16 04.9
	e	16 16.2
July 11		
BYR	eP	08 28 30
July 11		
BYR	eP	08 38 54
July 11		
BYR	eP	10 15 27
July 11		
SPA	eP	10 29 39.5
	e	30 09.7
	e	30 59.3
	e	32 21.0

Date and Station	Phase	(GCT)
		h m s
July 11		
BYR	eP	10 36 37
	i	36 52
SPA	eP	10 37 30.0
	e	37 55
July 11		
BYR	iP	12 06 13
	e(PP)	08 28
	eP'P'	34 34
SPA	eP	12 06 47.9
	e	06 55.9
	ePP	09 33.4
July 11		
SPA	eP'	12 13 50
July 11		
SPA	eP	14 24 23.4
July 11		
SPA	eP	14 54 22.6
July 11		
BYR	eP	14 58 28
July 11		
BYR	eP	15 06 16
SPA	eP	15 07 07.5
July 11		
BYR	eP	16 15 16
July 11		
BYR	eP	16 33 06
July 11		
SPA	eP	16 31 55
July 11		
BYR	eP	16 47 48
July 11		
BYR	eP	17 46 01
SPA	eP	17 46 24.1
July 11		
BYR	eP	17 51 50
July 11		
BYR	eP	18 20 59
SPA	eP	18 21 50.5
July 11		
BYR	e(P)	20 59 22
July 11		
BYR	eP	21 07 30
SPA	eP	21 08 06.1
July 11		
SPA	eP	22 21 14.3
July 11		
SPA	iP	23 01 37.6

Date and Station	Phase	(GCT)
		h m s
July 11		
SPA	e(P')	23 07 09.8
	e	13 22.0
	e	14 34.3
July 12		
SPA	eP	00 37 26.9
July 12		
SPA	eP	00 46 09.4
July 12		
SPA	eP	01 39 57.8
July 12		
SPA	eP	02 20 27.5
July 12		
SPA	eP	04 05 31.2
July 12		
SPA	eP	04 44 13.0
July 12		
SPA	eP	05 08 19.6
July 12		
SPA	eP	07 25 40.7
July 12		
SPA	eP	07 37 24.6
July 12		
SPA	eP	07 57 40.4
July 12		
SPA	e(P)	09 37 21
July 12		
SPA	eP	11 02 44.3
July 12		
BYR	eP	12 02 40
July 12		
SPA	eP	12 03 32.7
	e	03 46.2
July 12		
SPA	eP	12 11 45.6
July 12		
BYR	iP	15 12 47
SPA	eP	15 12 31.1
July 12		
SPA	eP	15 31 57.5
	e	32 06.5
July 12		
SPA	eP'	17 19 32.0
	e	19 34.6
July 12		
SPA	eP'	18 24 16.7
	e	24 27.7
July 12		
BYR	eP	19 23 59

Date and Station	Phase	(GCT)
		h m s
SPA	eP	19 24 23.2
	e	24 50.0
	e	24 58.9
	e	25 14.9
July 12		
SPA	eP	20 02 28.9
	e	02 41.0
	e	04 11.8
July 12		
SPA	eP	22 37 22.0
July 12		
SPA	eP	23 13 57.7
	e	15 42.7
July 12		
SPA	eP	23 22 33.1
July 13		
SPA	eP	00 11 53.2
July 13		
SPA	eP	00 50 57.3
	e	52 03.5
July 13		
SPA	eP	02 56 06.1
July 13		
SPA	eP	03 11 06.0
	e	11 22
July 13		
SPA	eP	06 26 09.8
	e	26 57.4
July 13		
BYR	eP	06 57 17
July 13		
BYR	eP	07 13 31
July 13		
SPA	eP	07 57 17.6
	e	59 56.3
	e	08 00 29.4
July 13		
BYR	iP	08 03 54
	ePP	05 28
	iS	10 07
	eP'P'	35 24
SPA	eP	08 03 00.6
	e	03 41.4
	ePP	04 20.6
	e	07 17.5
	eS	08 38.8
	eL	15 27
	eP'P'	36 16
July 13		
SPA	eP	09 22 14.5
July 13		
BYR	e(P)	09 44 25

B-4297-4

Date and Station	Phase (GCT)
	h m s
July 13	
SPA e(P')	10 41 28.3
July 13	
BYR e(P')	13 20 21
SPA eP'	13 20 06.9
eSKP	23 35.5
July 13	
BYR iP	13 36 51
i	41 15
SPA eP	13 37 44.4
e	42 09.3
July 13	
BYR iP	14 40 12
July 13	
SPA eP	14 40 27.6
July 13	
SPA eP	15 15 21.6
July 13	
SPA eP	15 31 14.6
July 13	
SPA eP	16 04 30
July 13	
BYR iP	17 13 29
SPA eP	17 14 01.8
e	14 13.0
e(PcP)	14 44.1
July 13	
BYR eP	19 55 46
SPA eP	19 56 17.5
e	20 00 51.5
July 13	
BYR eP'	20 46 48
SPA eP'	20 46 46
July 13	
BYR iP	21 56 35
e	57 21
July 13	
SPA eP	21 57 11.9
e	57 32.4
July 13	
SPA eP	22 35 28.2
e	35 46.7
July 13	
SPA eP	22 42 49.2
July 13	
SPA eP	23 16 26.0
e	16 30.9

Date and Station	Phase (GCT)
	h m s
July 13	
SPA eP	23 17 02.2
e	17 20.9
July 13	
SPA e(P)	23 32 30
July 13	
SPA e(P)	23 47 40
July 14	
SPA e(P)	00 14 37
July 14	
SPA eP	00 16 46.4
July 14	
SPA eP	00 20 25.5
e	25 32.0
July 14	
BYR eP	01 47 31
SPA eP	01 48 21.5
e	48 26.4
July 14	
SPA eP	02 42 07.1
July 14	
SPA eP	04 08 51.1
July 14	
BYR eP	08 33 17
July 14	
BYR eP	09 17 34
SPA eP	09 17 51.1
July 14	
BYR eP	09 57 02
July 14	
BYR eP	10 40 44
ePP	44 43
e	49 32
SPA eP	10 40 22.2
e	40 45.2
e	44 53.7
e	51 58.0
e	52 14.3
July 14	
BYR iP	10 54 31
SPA eP	10 55 00
e	55 18.5
July 14	
SPA eP	11 26 00.2
July 14	
SPA eP	13 10 11

Date and Station	Phase (GCT)
	h m s
July 14	
SPA eP	13 46 26.7
e	46 50.2
i	48 45.0
e	50 13.8
e	51 11.7
July 14	
SPA e(P')	13 56 56
July 14	
SPA eP	15 34 48.1
July 14	
SPA eP	16 04 20.3
July 14	
BYR eP	17 24 32
SPA eP	17 24 51.3
July 14	
SPA e(P)	17 55 41
July 14	
SPA eP	18 21 27.7
July 14	
SPA eP	18 28 44.7
July 14	
BYR eP	20 32 11
SPA eP	20 31 47.5
July 14	
SPA eP	21 54 53.2
July 14	
BYR eP'	22 30 19
e(SKP)	33 43
SPA eP	22 30 02.8
e	30 35.7
July 14	
SPA eP	22 38 46.8
July 15	
BYR eP	01 19 51
July 15	
BYR eP	02 52 35
July 15	
SPA eP	04 16 01
July 15	
SPA eP	04 32 09
e	32 56
e	40 42
July 15	
BYR iP	05 14 56
SPA eP	05 14 05
July 15	
SPA eP	06 56 50

Date and Station	Phase (GCT)
	h m s
July 15	
SPA eP	07 37 52
July 15	
BYR e(P)	08 26 24
e	26 46
July 15	
SPA eP	08 43 34.1
July 15	
BYR eP	08 52 12
SPA eP	08 53 09
July 15	
SPA eP	10 35 36
July 15	
SPA eP	10 38 35
July 15	
SPA eP	10 52 47
July 15	
SPA eP	10 54 22
July 15	
BYR iP	10 59 36
SPA eP	11 00 27
July 15	
SPA eP	12 32 10
July 15	
SPA eP	15 35 46
e	36 20
July 15	
BYR iP	19 01 57
SPA eP	19 02 47
July 15	
SPA eP	20 02 19
July 15	
BYR iP	20 35 26
SPA eP	20 35 42
July 15	
BYR eP	21 40 12
e	40 22
SPA eP	21 41 02
e	41 13
July 15	
SPA eP	23 01 28
July 15	
SPA eP	23 14 40
e	15 25

Date and Station	Phase (GCT)
	h m s
July 15	
SPA eP	23 19 34
e	20 59
July 15	
SPA eP	23 24 53
e	27 11
e	27 50
July 16	
SPA eP'	00 03 11
e	03 16
July 16	
SPA eP	00 15 58
e	21 56
July 16	
BYR iP	01 50 34
SPA eP	01 51 07
July 16	
SPA eP	02 32 35
July 16	
SPA eP	03 01 00
e	02 51
e	04 21
July 16	
BYR eP	04 19 54
SPA eP	04 19 23
e	19 27
e	20 07
July 16	
SPA eP	04 34 47
e	37 40
e	39 19
e	40 36
July 16	
BYR iP	04 54 47
SPA eP	04 55 25
epP	55 55
esP	56 09
July 16	
SPA eP	08 30 24
e	34 30
July 16	
BYR eP	09 17 56
SPA eP	09 18 47
e	19 44
July 16	
SPA eP	10 26 35
July 16	
SPA eP	11 03 12
July 16	
SPA eP	11 33 11
e	35 43

Date and Station	Phase (GCT)
	h m s
July 16	
SPA eP	11 43 50
e	48 50
July 16	
SPA eP	11 50 15
July 16	
SPA eP	13 17 29
July 16	
SPA eP	16 33 03
e	33 24
July 16	
SPA eP	17 35 47
ePKKP	46 42
e	46 52
July 16	
SPA eP	19 12 37
July 16	
SPA eP	19 23 01
July 16	
BYR eP'	21 39 24
SPA eP'	21 39 43
e	39 58
e	41 50
July 16	
BYR e(P)	21 48 06
SPA eP	21 48 22
July 16	
BYR eP'	22 22 41
SPA eP'	22 22 56
e	23 15
July 16	
SPA eP	22 30 41
July 16	
BYR e(P)	23 03 20
July 16	
SPA e(P)	23 21 36
July 17	
BYR eP	01 55 26
July 17	
BYR e(P')	02 33 21
July 17	
BYR iP	04 32 59
July 17	
BYR e(P')	05 33 57
July 17	
BYR e(P)	06 43 39
July 17	
BYR eP	11 36 48

Date and Station	Phase (GCT)
	h m s
July 17	
BYR eP	12 03 37
July 17	
BYR e(P)	16 58 44
e	59 23
July 17	
BYR eP	19 55 04
July 17	
BYR iP	20 01 29
July 18	
BYR eP	01 55 48
July 18	
BYR eP	07 57 46
July 18	
BYR eP	15 48 39
July 18	
BYR eP	15 56 49
July 18	
BYR eP	19 03 58
July 18	
SPA eP	23 58 58
e	24 00 39
July 19	
BYR eP	02 54 55
SPA eP	02 55 37
July 19	
BYR iP	04 30 59
e	31 11
SPA eP	04 31 40
e	31 52
e	32 13
e	39 28
July 19	
SPA eP	07 35 53
e	38 34
e	53 35
July 19	
SPA eP	11 05 43
July 19	
BYR iP	11 22 21
e	23 04
SPA eP	11 22 54
i	22 57
e	24 55
e	27 20
July 19	
SPA eP	11 33 47
e	34 02
July 19	
SPA eP	14 23 54

Date and Station	Phase (GCT)
	h m s
July 19	
SPA eP	16 49 40
July 19	
SPA eP	19 54 00
July 19	
SPA eP	23 29 25
July 19	
SPA eP	23 56 22
July 20	
SPA eP	02 25 32
July 20	
BYR eP	02 51 30
SPA eP	02 51 51
e	52 37
e	59 46
July 20	
SPA eP	04 24 15
July 20	
SPA e(P')	05 35 09
July 20	
SPA eP	06 25 33
e	25 59
July 20	
SPA eP	07 33 20
July 20	
BYR eP	09 49 48
i	50 02
eSKP	53 31
SPA eP	09 49 49
e	49 52
ePP	52 54
eSKP	53 32
July 20	
BYR e(P)	10 01 36
July 20	
SPA eP	11 15 35
e	15 47
July 20	
BYR eP	14 00 25
SPA eP	14 01 22
July 20	
BYR eP	16 29 56
SPA eP	16 30 42
e	30 51
July 20	
BYR iP	21 10 02

Date and Station	Phase	(GCT)
		h m s
SPA	eP	21 10 20
	ePcP	10 49
	e(sP)	11 36
	e	29 15
	e	38 17
July 20		
BYR	eP	21 46 44
	e	47 18
SPA	eP	21 47 32
	e	47 41
	e	47 59
	e(PcP)	48 31
	ePP	49 26
	eP'P'	22 18 31
July 20		
SPA	eP	22 39 02
July 20		
SPA	eP	23 11 35
	e	23 16 48
July 20		
SPA	eP	23 53 13
July 21		
BYR	eP	00 21 39
SPA	eP	00 21 58
July 21		
SPA	eP	00 59 53
July 21		
SPA	eP	01 38 56
July 21		
SPA	eP	02 48 30
	e	51 00
July 21		
BYR	eP	03 19 55
SPA	eP	03 19 37
July 21		
BYR	eP	04 09 55
SPA	eP	04 10 44
	e	10 51
	e	11 00
July 21		
SPA	eP	04 20 55
	e	21 09
July 21		
SPA	eP	05 31 37
July 21		
BYR	eP	06 59 53
July 21		
SPA	eP	07 20 49
July 21		
BYR	e(P)	07 56 44

Date and Station	Phase	(GCT)
July 21		h m s
BYR	iP	08 05 26
SPA	iP	08 06 08
	e	06 31
	e	06 40
July 21		
BYR	eP	08 11 32
SPA	eP	08 12 14
	e	12 25
July 21		
BYR	iP	08 18 34
SPA	eP	08 19 24
	e	19 33
	e	19 41
July 21		
BYR	eP	08 27 14
SPA	eP	08 27 28
July 21		
SPA	eP	10 23 10
July 21		
SPA	eP	11 16 39
	e	23 35
July 21		
SPA	eP	11 55 10
July 21		
BYR	eP	13 13 17
SPA	eP	13 13 10
	e	24 31
July 21		
BYR	eP	13 59 23
	e	14 01 57
SPA	eP	13 59 08
July 21		
BYR	e(P)	14 10 51
July 21		
SPA	eP	14 10 36
July 21		
SPA	eP	16 01 20
July 21		
SPA	eP	16 55 33
July 21		
SPA	eP	18 07 10
July 21		
SPA	eP	18 33 26
	e	33 33
July 21		
SPA	eP	20 00 10

Date and Station	Phase	(GCT)
July 21		h m s
BYR	eP'	21 10 04
SPA	eP'	21 10 01
July 21		
BYR	iP	21 14 40
July 21		
SPA	eP	22 22 54
July 21		
SPA	eP	22 35 04
	e	35 23
July 22		
SPA	eP	00 32 42
	e	35 55
	e	36 26
July 22		
SPA	eP	02 26 56
July 22		
BYR	eP	03 25 34
SPA	e(P)	03 26 16
July 22		
SPA	eP	03 50 28
	e	51 55
July 22		
SPA	eP	05 46 41
July 22		
SPA	eP	07 28 20
July 22		
SPA	eP	07 52 16
	e	52 40
July 22		
SPA	eP	09 42 37
July 22		
SPA	eP	10 03 15
July 22		
SPA	eP	10 09 06
July 22		
SPA	eP	10 12 16
July 22		
SPA	eP	10 45 18
July 22		
SPA	eP	11 00 57
	e	05 29
July 22		
BYR	eP	11 20 46
SPA	eP	11 21 30
	e	22 24
July 22		
SPA	eP	11 32 29

Date and Station	Phase	(GCT)
July 22		h m s
SPA	eP	12 10 36
	e	11 24
July 22		
SPA	eP	18 41 41
July 22		
SPA	eP	20 58 25
July 22		
SPA	eP	21 42 43
July 22		
SPA	eP	22 20 28
	e	21 00
July 22		
SPA	eP	22 55 47
	e	57 25
	e	58 23
	e	59 24
July 23		
BYR	eP	00 16 21
SPA	eP	00 15 57
	e	16 37
July 23		
BYR	e(P)	00 44 38
SPA	eP	00 43 44
July 23		
SPA	eP	01 19 10
July 23		
BYR	eP	01 47 56
July 23		
BYR	eP	02 47 30
SPA	eP	02 48 13
July 23		
SPA	eP	02 57 43
July 23		
SPA	eP	03 14 22
July 23		
SPA	eP	04 41 33
	i	42 59
	e	43 33
	e	44 47
July 23		
SPA	eP	05 46 20
	e	47 33
	e	49 20
July 23		
BYR	iP	05 54 23
SPA	eP	05 55 00
	e	55 42

Date and Station	Phase (GCT)
July 23	h m s
BYR iP	07 41 19
SPA iP	07 41 49
e	42 00
e	42 08
July 23	
SPA eP	10 35 45
July 23	
SPA eP	11 13 02
July 23	
BYR eP	12 10 51
SPA eP	12 11 52
July 23	
SPA eP	12 51 42
e	52 09
July 23	
BYR eP	15 33 50
SPA eP	15 34 27
e	34 48
July 23	
SPA eP	16 12 31
July 23	
BYR e(P)	18 15 43
July 23	
SPA eP	18 29 09
July 23	
BYR iP	19 08 25
SPA eP	19 09 06
July 23	
BYR eP	19 25 13
July 23	
SPA eP	21 09 05
July 23	
SPA eP	21 20 00
e	21 53
July 23	
SPA eP	22 51 54
July 24	
SPA eP	00 05 26
July 24	
SPA eP	00 17 27
e	19 14
July 24	
BYR iP	01 18 18
e	19 01
SPA eP	01 19 00
e	19 41

Date and Station	Phase (GCT)
July 24	h m s
BYR eP'	01 36 48
SPA eP'	01 36 23
e	36 30
July 24	
SPA eP	02 20 10
e	21 53
e	22 29
July 24	
SPA eP	02 28 18
July 24	
BYR e(P)	02 30 39
SPA eP	02 30 54
e	31 06
July 24	
BYR eP'	02 46 01
SPA eP'	02 46 18
July 24	
SPA eP	03 51 32
July 24	
SPA eP	04 58 29
July 24	
SPA eP	05 10 03
July 24	
SPA eP	06 07 38
July 24	
SPA eP	06 27 20
July 24	
SPA eP	06 56 21
July 24	
SPA eP	07 51 54
July 24	
BYR eP	08 07 37
SPA eP	08 07 50
July 24	
SPA eP	09 01 46
July 24	
BYR eP'	10 08 27
SPA eP'	10 08 40
e	09 09
e	09 33
July 24	
BYR iP	10 39 26
SPA eP	10 40 21
e	40 27
e	40 49
July 24	
BYR iP	10 45 41

Date and Station	Phase (GCT)
	h m s
SPA eP	10 46 35
e	46 41
e	47 08
e(PP)	49 00
July 24	
SPA eP	11 42 14
July 24	
BYR eP	13 19 02
July 24	
SPA eP	17 32 37
July 24	
BYR eP	18 47 10
SPA eP	18 48 08
July 24	
SPA eP	19 48 35
i	50 05
e	50 38
July 24	
SPA eP	19 58 19
July 24	
SPA eP	20 51 32
July 24	
SPA eP	21 05 35
July 24	
SPA eP	21 24 02
July 24	
BYR eP	21 51 21
SPA eP	21 52 14
July 24	
BYR eP	22 07 05
SPA eP	22 07 22
July 24	
SPA eP	23 13 31
July 24	
BYR eP	23 22 27
e	22 52
e	24 17
SPA eP	23 23 18
e	23 28
e	24 21
July 25	
SPA eP	00 54 13
July 25	
SPA eP	00 59 29
July 25	
SPA eP	01 02 00
e	02 33

Date and Station	Phase (GCT)
July 25	h m s
SPA eP	02 04 06
July 25	
SPA eP	03 23 11
e	23 49
e	25 00
e	25 22
July 25	
BYR eP'	04 00 36
July 25	
SPA eP'	04 00 22
e	01 23
July 25	
BYR eP	04 12 11
SPA eP	04 13 40
e	17 27
July 25	
BYR eP	04 24 48
SPA eP	04 25 15
e	25 59
July 25	
SPA eP	04 33 38
e	37 42
July 25	
BYR e(P)	05 15 52
SPA eP	05 16 07
e	16 17
July 25	
BYR eP	05 44 07
SPA iP	05 44 24
July 25	
SPA eP	06 03 22
July 25	
SPA eP	06 17 01
July 25	
BYR eP	08 41 00
SPA eP	08 42 01
July 25	
BYR eP	10 18 11
SPA eP	10 18 07
e	18 28
July 25	
BYR eP	10 37 09
SPA iP	10 37 40
e	39 51
July 25	
SPA eP	10 57 43

B-4297-4

Date and Station	Phase	Phase (GCT)
July 25		h m s
BYR	eP'	11 31 10
	i	31 21
	isP'	31 58
	ePP	34 24
	iSKP	34 46
	e	35 54
	e	41 02
SPA	eP	11 31 21
	ePP	34 31
	ePPP	37 48
	e	42 23
	eSKKP	43 05
	e	46 48
July 25		
SPA	eP	12 15 35
July 25		
BYR	eP	15 20 30
July 25		
BYR	eP'	15 49 48
	i	50 31
	e(PP)	53 17
SPA	eP'	15 49 55
	e	50 31
	e(PP)	53 23
	e	16 01 35
July 25		
SPA	eP	17 12 40
July 25		
BYR	eP	18 09 53
SPA	eP	18 10 13
	e	10 29
July 25		
SPA	eP	20 07 39
July 25		
BYR	eP	20 47 44
July 25		
BYR	eP	21 15 47
SPA	eP	21 15 27
	e	15 58
July 25		
BYR	eP	21 49 38
SPA	eP	21 49 34
July 25		
SPA	eP	22 22 55
July 25		
SPA	eP	22 40 56
	e	41 06
July 25		
BYR	e(P)	22 53 09
July 25		
SPA	eP	23 06 41

Date and Station	Phase	Phase (GCT)
July 25		h m s
SPA	eP	23 10 07
July 26		
BYR	eP	00 16 59
SPA	eP	00 17 02
	e	17 14
	e	38 18
July 26		
SPA	eP	01 30 24
July 26		
SPA	eP	01 33 27
July 26		
BYR	e(P)	02 24 32
July 26		
SPA	eP	03 06 38
July 26		
SPA	eP	03 16 52
July 26		
SPA	eP	03 27 37
July 26		
BYR	eP'	04 08 15
	e	08 54
	e	15 04
SPA	eP'	04 08 54
	e	09 22
	e	15 03
July 26		
SPA	eP	04 36 57
	e	37 53
	e	38 34
	e	38 53
July 26		
BYR	eP	04 48 41
SPA	eP	04 48 24
July 26		
BYR	eP	07 23 48
SPA	eP	07 24 38
July 26		
SPA	eP	08 07 04
July 26		
SPA	eP	10 08 16
	e	09 58
July 26		
BYR	eP	10 30 17
July 26		
SPA	eP	11 55 41
	e	55 57
	e	58 52
July 26		
BYR	e(P)	12 55 28

Date and Station	Phase	Phase (GCT)
		h m s
SPA	eP	12 55 25
July 26		
BYR	eP	14 38 45
SPA	eP	14 39 37
July 26		
BYR	eP	16 46 37
SPA	eP	16 46 07
July 26		
BYR	eP	17 31 01
July 26		
BYR	e(P)	19 36 47
	e	38 04
July 26		
BYR	eP	19 41 32
SPA	eP	19 42 06
July 26		
BYR	eP	22 02 07
SPA	eP	22 03 35
July 26		
SPA	eP	22 24 54
	e	26 13
	i	27 31
July 26		
SPA	eP	22 31 43
July 26		
SPA	eP	23 14 44
July 26		
SPA	eP	23 17 54
July 27		
SPA	eP	00 23 54
July 27		
BYR	iP	01 48 02
SPA	eP	01 48 54
	e	49 01
July 27		
SPA	eP	01 59 04
July 27		
SPA	eP	02 18 55
July 27		
SPA	eP	02 51 50
	e	53 03
July 27		
SPA	eP	03 31 20
July 27		
BYR	iP	04 03 56
	i	04 11
	ePcP	06 41

Date and Station	Phase	Phase (GCT)
		h m s
SPA	eP	04 03 37
	ePP	04 24
	ePcP	06 35
	eL	09 41
July 27		
SPA	eP	04 38 29
	e	39 27
	e	40 09
	e	42 33
July 27		
SPA	eP	04 46 05
July 27		
SPA	eP	07 06 11
July 27		
BYR	eP	09 09 21
	e	09 33
SPA	eP	09 08 45
July 27		
SPA	eP	09 13 40
July 27		
BYR	iP	10 12 20
SPA	eP	10 13 14
	epP	13 41
July 27		
BYR	e(P)	10 44 01
July 27		
SPA	eP	10 49 35
	e	50 19
	e	51 22
July 27		
SPA	eP	11 05 45
July 27		
SPA	eP	11 09 09
July 27		
SPA	eP	11 24 13
	e	25 21
July 27		
BYR	eP	13 38 18
SPA	eP	13 38 35
	e	38 44
July 27		
BYR	e(P)	13 49 24
SPA	eP	13 50 06
	i	50 12
July 27		
BYR	iP	14 22 26
	e	23 14
SPA	eP	14 22 21
	e	23 07
July 27		
SPA	e(P)	16 51 15

Date and Station	Phase	(GCT)
		h m s
July 27		
BYR	eP	17 42 11
July 27		
BYR	eP	18 10 45
	e	10 55
July 27		
BYR	iP	18 29 02
SPA	eP	18 29 32
July 27		
BYR	eP	21 10 44
SPA	eP	21 11 18
	e	11 29
July 27		
BYR	eP	21 55 15
July 27		
SPA	eP	22 13 59
July 27		
SPA	eP	22 59 43
July 27		
SPA	eP	23 43 01
July 28		
SPA	eP	00 01 25
July 28		
BYR	eP	01 29 33
SPA	eP	01 30 00
	e	30 08
July 28		
SPA	eP	02 35 31
July 28		
SPA	eP	04 01 21
	e	03 41
July 28		
SPA	eP	04 31 34
July 28		
SPA	eP	05 07 19
	e	09 09
July 28		
SPA	eP	06 35 05
July 28		
BYR	iP	06 40 58
July 28		
SPA	eP	06 41 50
	e	42 21
	e	43 40
July 28		
BYR	eP	06 52 28
SPA	eP	06 52 58
July 28		
SPA	eP	08 15 37

Date and Station	Phase	(GCT)
		h m s
July 28		
BYR	eP	09 13 48
SPA	eP	09 14 16
July 28		
BYR	eP	10 12 48
SPA	eP	10 12 31
July 28		
BYR	iP	10 47 28
SPA	iP	10 47 43
	e	47 47
July 28		
SPA	eP	11 23 44
July 28		
SPA	eP	14 45 35
July 28		
SPA	eP	15 00 55
	e	01 05
July 28		
SPA	eP	16 47 09
	e	48 22
July 28		
SPA	eP	18 12 21
July 28		
SPA	eP	20 18 25
	e	18 48
July 28		
BYR	e(P)	21 05 32
July 28		
SPA	eP	21 10 33
	e	10 41
	e	11 48
July 28		
SPA	eP	22 37 37
July 28		
SPA	eP	23 09 20
July 29		
BYR	eP	00 35 05
	e	36 01
	ePP	37 37
	eP'P'	01 03 39
SPA	eP	00 35 23
	ePcP	35 51
	ePP	38 26
	ePPP	39 53
	eS	44 41
July 29		
SPA	eP	00 48 18
July 29		
BYR	eP	02 01 22

Date and Station	Phase	(GCT)
		h m s
SPA	eP	02 01 41
	e	01 57
July 29		
SPA	eP	02 19 37
July 29		
SPA	eP	03 11 02
July 29		
SPA	eP	04 37 50
	e	38 15
July 29		
SPA	eP	05 20 55
July 29		
SPA	eP	06 34 18
July 29		
SPA	iP	07 17 42
July 29		
SPA	eP'	11 01 25
	e	03 38
July 29		
SPA	eP	11 42 35
July 29		
SPA	eP	14 07 34
July 29		
SPA	eP	14 36 47
	e	37 01
July 29		
BYR	eP	15 26 11
SPA	eP	15 25 25
	ePcP	27 49
July 29		
SPA	eP	15 39 20
July 29		
BYR	iP	16 01 33
SPA	eP	16 00 47
	ePcP	03 11
July 29		
BYR	e(P')	17 50 47
	eSKP	54 08
	e	54 34
	eSKKP	18 03 36
SPA	eP'	17 50 30
	e	50 45
	e	54 25
	e	54 38
	e	18 01 11
	eSKKP	03 41
July 29		
SPA	eP	19 12 23
July 29		
SPA	eP	19 58 13
	e	58 19

Date and Station	Phase	(GCT)
		h m s
July 29		
SPA	eP	20 35 51
July 29		
BYR	eP	21 09 55
July 29		
SPA	eP	22 06 00
	e	15 06
July 29		
BYR	eP	23 09 31
July 29		
SPA	eP	23 15 06
	e	16 58
	ePP	17 39
July 30		
SPA	eP	00 09 41
July 30		
BYR	eP	02 17 06
SPA	eP	02 17 44
July 30		
SPA	eP	02 42 11
	e	43 18
July 30		
SPA	eP	04 05 10
July 30		
SPA	eP	05 01 48
July 30		
BYR	e(P)	05 55 44
July 30		
SPA	eP	05 56 03
July 30		
BYR	iP	06 12 25
	i	12 54
SPA	eP	06 13 03
	e	13 33
July 30		
SPA	eP	06 32 53
	e	34 09
July 30		
BYR	eP	07 27 11
	e	27 45
SPA	eP	07 27 48
	e	28 22
July 30		
SPA	eP	08 32 25
July 30		
SPA	eP	09 18 13
July 30		
BYR	e(P)	09 57 18

B-4297-4

Date and Station	Phase	(GCT)
July 30		h m s
SPA	eP	11 28 24
	e	28 47
	e	29 27
July 30		
BYR	eP	12 00 19
July 30		
SPA	eP	13 09 01
July 30		
BYR	eP	13 18 26
SPA	eP	13 19 20
July 30		
BYR	eP	13 44 15
SPA	eP	13 45 07
July 30		
BYR	eP'	14 26 13
SPA	eP'	14 26 08
July 30		
BYR	eP'	14 32 09
SPA	eP'	14 32 14
	e	32 24
	e	32 43
	e	33 03
July 30		
BYR	eP	14 48 42
July 30		
BYR	eP	14 53 39
SPA	eP	14 53 13
July 30		
SPA	eP	15 06 25
	e	07 39
July 30		
SPA	eP	17 08 51
July 30		
BYR	iP	19 34 44
SPA	eP	19 35 18
	e	35 27
July 30		
SPA	iP	20 07 05
July 30		
BYR	iP	23 33 31
SPA	eP	23 33 13
July 31		
SPA	eP	01 03 22
July 31		
SPA	eP	01 51 42
	e	51 56

Date and Station	Phase	(GCT)
July 31		h m s
BYR	eP	03 02 29
SPA	eP	03 03 22
July 31		
BYR	eP	03 08 15
	eS	18 37
SPA	eP	03 08 14
	e	10 25
	e	10 51
	e	12 22
	eS	18 37
	e	19 32
	eP'P'	34 15
July 31		
SPA	eP	03 55 04
July 31		
SPA	eP	04 33 06
July 31		
BYR	eP	04 37 03
SPA	eP	04 37 37
	e	37 42
July 31		
SPA	eP	06 26 16
July 31		
BYR	eP	07 17 03
July 31		
SPA	eP	07 57 18
	e	57 29
July 31		
BYR	eP	09 19 07
	e	19 18
SPA	eP	09 19 05
	e	19 17
July 31		
BYR	iP	09 30 38
SPA	eP	09 30 19
	e	31 41
July 31		
SPA	eP	10 15 00
July 31		
SPA	eP	11 09 05
	e	10 31
July 31		
SPA	eP	11 41 33
July 31		
BYR	eP	13 08 18
SPA	eP	13 08 38
July 31		
BYR	iP	15 02 29
	ePcP	04 15

Date and Station	Phase	(GCT)
		h m s
SPA	eP	15 03 23
	ePcP	04 57
July 31		
SPA	eP	15 59 18
	e(pP)	16 00 22
July 31		
BYR	e(P)	16 10 13
July 31		
BYR	eP	16 42 28
SPA	eP	16 42 26
July 31		
BYR	e(P)	17 45 03
July 31		
SPA	eP	18 00 39
July 31		
BYR	eP	18 23 07
SPA	eP	18 24 01
July 31		
BYR	eP	18 59 03
SPA	eP	18 59 00
	e	59 10
July 31		
SPA	eP	20 01 18
July 31		
SPA	eP	21 12 51
July 31		
SPA	eP	22 39 33
July 31		
BYR	eP	22 46 01
SPA	eP'	22 45 40
July 31		
SPA	eP	23 29 33
Aug. 1		
SPA	eP'	00 11 17
Aug. 1		
SPA	eP	00 39 23
Aug. 1		
BYR	iP	01 06 30
SPA	eP	01 07 11
Aug. 1		
SPA	e(P)	01 26 33
	e	27 19
Aug. 1		
SPA	e(P)	01 30 43
	e	31 07

Date and Station	Phase	(GCT)
Aug. 1		h m s
BYR	eP'	02 39 51
SPA	eP'	02 39 29
	e	39 52
	e	43 05
Aug. 1		
SPA	eP	04 52 51
Aug. 1		
BYR	eP	05 03 41
SPA	eP	05 04 15
Aug. 1		
SPA	eP	06 50 19
	e	55 39
Aug. 1		
BYR	e(P)	07 07 19
SPA	eP	07 07 00
Aug. 1		
BYR	eP	10 03 56
SPA	eP	10 03 38
	e	04 08
Aug. 1		
SPA	eP	10 22 28
Aug. 1		
SPA	eP	11 01 00
	e	01 56
Aug. 1		
BYR	eP'	12 59 27
Aug. 1		
BYR	eP	15 30 51
Aug. 1		
BYR	eP	16 34 00
Aug. 1		
SPA	eP	16 41 28
Aug. 1		
BYR	eP	16 46 05
SPA	eP	16 47 00
Aug. 1		
BYR	eP	17 35 47
SPA	eP	17 36 26
	e	36 33
Aug. 1		
BYR	iP	18 32 26
SPA	eP	18 33 21
Aug. 1		
BYR	eP	18 57 33
SPA	eP	18 56 20

Date and Station	Phase (GCT)
	h m s
Aug. 1	
BYR eP	20 20 50
SPA eP	20 21 40
ePcP	22 53
Aug. 1	
BYR eP	20 28 08
SPA eP	20 28 57
Aug. 1	
SPA eP	21 12 27
Aug. 1	
BYR eP	22 04 20
Aug. 1	
SPA eP	22 12 10
e	12 28
Aug. 1	
BYR eP'	22 15 13
Aug. 1	
BYR eP	22 42 37
SPA eP	22 43 12
Aug. 1	
SPA eP	23 02 14
e	03 24
e	06 23
Aug. 2	
SPA eP	00 04 47
Aug. 2	
SPA eP	00 39 31
Aug. 2	
SPA eP	03 36 42
Aug. 2	
SPA eP	04 11 18
Aug. 2	
SPA eP	04 54 55
Aug. 2	
BYR eP	05 17 51
e	21 21
eS	26 26
SPA iP	05 18 13
e	19 35
eS	27 02
ePKKP	36 32
eP'P'	46 31
Aug. 2	
SPA eP	06 06 32
Aug. 2	
BYR eP'	06 34 05
e(PP)	37 33
SPA eP'	06 34 09
e	34 19
e(PP)	37 50

Date and Station	Phase (GCT)
	h m s
Aug. 2	
SPA eP	07 29 38
Aug. 2	
SPA eP	08 31 27
Aug. 2	
BYR eP	09 40 07
SPA eP	09 40 42
epP	41 02
eS	49 21
Aug. 2	
SPA eP	10 08 09
Aug. 2	
BYR eP	10 16 05
Aug. 2	
SPA eP	10 16 35
Aug. 2	
SPA eP	10 48 19
e	48 34
Aug. 2	
SPA eP	10 50 34
Aug. 2	
BYR e(P)	13 42 09
Aug. 2	
SPA eP	13 42 26
Aug. 2	
SPA eP	13 55 00
Aug. 2	
BYR eP	14 54 08
Aug. 2	
BYR e(P)	17 23 38
Aug. 2	
SPA eP	17 38 38
Aug. 2	
BYR eP	18 40 50
Aug. 2	
BYR eP'	18 59 42
Aug. 2	
SPA eP	19 01 10
Aug. 2	
SPA eP	22 20 55
Aug. 2	
BYR eP	22 45 13
SPA eP	22 46 07
Aug. 2	
SPA eP	23 11 36
Aug. 3	
SPA eP	00 35 29
e	35 38

Date and Station	Phase (GCT)
	h m s
Aug. 3	
BYR iP	01 21 38
SPA eP	01 22 28
e	22 36
e	27 28
Aug. 3	
BYR eP	01 56 25
e	02 00 50
Aug. 3	
SPA eP	02 30 15
Aug. 3	
SPA eP	02 42 26
Aug. 3	
SPA eP	02 52 19
Aug. 3	
BYR eP	03 35 37
e	37 27
e	38 22
Aug. 3	
SPA eP	03 36 56
Aug. 3	
SPA eP	05 07 31
e	11 41
e	12 04
Aug. 3	
SPA eP	05 50 32
e	50 48
Aug. 3	
BYR iP	05 53 23
SPA eP	05 53 52
e	56 07
Aug. 3	
SPA eP	06 28 02
Aug. 3	
SPA eP	07 06 39
e	07 19
Aug. 3	
SPA eP	07 49 35
Aug. 3	
BYR eP	10 57 19
SPA eP	10 58 11
e	58 48
Aug. 3	
BYR eP	11 53 43
SPA eP	11 54 35
Aug. 3	
BYR iP	12 21 24
SPA eP	12 22 17

Date and Station	Phase (GCT)
	h m s
Aug. 3	
BYR eP	15 18 23
Aug. 3	
BYR eP	17 02 58
Aug. 3	
BYR eP	18 42 05
Aug. 3	
SPA eP	18 42 57
Aug. 3	
BYR iP	19 16 17
i	16 27
SPA eP	19 17 09
Aug. 3	
BYR eP	21 12 13
SPA eP	21 13 21
Aug. 3	
BYR e(P)	21 44 43
e	44 54
Aug. 3	
SPA eP	21 44 41
e	45 46
Aug. 3	
SPA eP	23 12 32
Aug. 4	
BYR iP	01 23 42
SPA eP	01 24 12
Aug. 4	
SPA eP	02 44 50
Aug. 4	
SPA eP	06 13 53
Aug. 4	
BYR eP	06 18 04
SPA eP	06 18 47
Aug. 4	
BYR eP	06 30 58
Aug. 4	
BYR eP'	07 54 00
i	54 11
eSKP	57 39
i	08 03 41
e	06 08
SPA eP	07 54 11
e	56 00
e	08 06 21
Aug. 4	
BYR eP'	09 27 51
eSKP	31 19

Date and Station	Phase	Phase (GCT) h m s
SPA	eP'	09 27 53
	epP'	28 06
Aug. 4 BYR	eP	10 23 11
SPA	eP	10 23 40
	e	23 47
Aug. 4 SPA	eP	10 46 27
Aug. 4 SPA	eP	11 01 39
Aug. 4 BYR	iP	11 24 01
	i	24 11
SPA	eP	11 24 53
	e	25 01
Aug. 4 BYR	e(P)	13 07 08
SPA	eP	13 07 36
	e	07 54
Aug. 4 SPA	eP	13 30 46
Aug. 4 SPA	eP	13 48 20
Aug. 4 BYR	eP	14 24 44
SPA	eP'	14 24 50
Aug. 4 BYR	iP	16 14 28
SPA	eP	16 15 00
Aug. 4 BYR	eP	21 17 30
SPA	eP	21 18 19
	e	18 28
Aug. 4 SPA	eP	22 11 40
Aug. 4 SPA	eP	23 14 39
	e	14 54
Aug. 4 SPA	eP	23 46 41
Aug. 5 SPA	eP	00 04 27
Aug. 5 SPA	eP	00 29 50
	e	36 36
Aug. 5 SPA	eP	01 18 58
Aug. 5 SPA	eP	02 17 45
Aug. 5 SPA	eP	02 46 51
Aug. 5 SPA	eP	04 12 58
Aug. 5 SPA	eP	04 23 28
	e	27 02
Aug. 5 SPA	eP	04 49 30
Aug. 5 BYR	eP	05 01 47
Aug. 5 BYR	e(P)	06 17 37
Aug. 5 BYR	eP	06 45 38
Aug. 5 SPA	eP	07 21 36
Aug. 5 SPA	eP	07 40 46
Aug. 5 SPA	eP	09 52 34
	e	53 01
Aug. 5 SPA	eP	11 11 45
Aug. 5 BYR	eP	14 48 44
SPA	eP	14 49 03
	e	49 14
Aug. 5 SPA	eP	15 37 37
Aug. 5 SPA	eP	15 49 07
Aug. 5 BYR	eP'	16 25 44
	i	25 58
SPA	eP'	16 25 50
	e	26 05
Aug. 5 BYR	eP	16 39 02
	e	39 13
SPA	eP	16 38 34
	e	39 17
Aug. 5 BYR	e(P)	16 47 22
Aug. 5 SPA	eP	17 03 34
Aug. 5 SPA	eP	18 58 23
	e	19 00 31
	e	02 49
	e	03 26
Aug. 5 SPA	eP	22 29 18
Aug. 5 BYR	eP	22 46 47
	eSKP	50 20
SPA	eP	22 46 58
	e	47 48
Aug. 5 BYR	eP	23 15 53
SPA	eP	23 15 47
	e	16 34
Aug. 6 SPA	eP	00 41 22
Aug. 6 SPA	eP	01 36 54
Aug. 6 SPA	eP	02 14 40
Aug. 6 BYR	iP'	03 23 46
Aug. 6 SPA	eP	04 10 03
Aug. 6 SPA	eP	04 48 38
	e	55 04
Aug. 6 SPA	eP	05 23 28
Aug. 6 BYR	e(P)	05 48 03
SPA	eP	05 48 17
Aug. 6 SPA	eP	08 29 39
Aug. 6 SPA	eP	08 48 34
Aug. 6 SPA	eP	11 21 50
	e	28 13
Aug. 6 SPA	eP	13 07 20
	e	10 50
Aug. 6 SPA	eP	14 04 23
Aug. 6 BYR	iP	14 57 29
	i	57 38
	ePP	59 15
SPA	eP	14 58 22
Aug. 6 SPA	eP	16 53 23
Aug. 6 BYR	iP	17 41 31
SPA	eP	17 42 23
Aug. 6 SPA	eP	18 05 13
Aug. 6 BYR	e(P)	18 53 53
Aug. 6 SPA	eP	19 58 59
Aug. 6 SPA	eP	23 18 43
Aug. 6 SPA	eP	23 50 29
Aug. 7 BYR	eP	00 55 19
Aug. 7 SPA	eP	02 22 09
Aug. 7 SPA	eP	02 38 49
	e	39 24
	i	40 44
Aug. 7 SPA	eP	03 13 41
Aug. 7 SPA	iP	03 29 10
	e	31 34
	e	32 34
Aug. 7 SPA	eP	04 10 06
Aug. 7 SPA	eP	05 50 56
Aug. 7 SPA	eP	06 03 22
Aug. 7 SPA	eP	06 10 07
	e	14 40
	e	20 11
Aug. 7 BYR	eP	08 49 35
Aug. 7 BYR	eP	09 04 35
SPA	eP	09 03 00
Aug. 7 BYR	eP	09 34 25

Date and Station	Phase (GCT)
	h m s
SPA eP	09 35 16
Aug. 7	
SPA eP'	10 22 45
Aug. 7	
SPA eP	10 43 19
Aug. 7	
BYR e(P)	12 37 20
Aug. 7	
SPA eP	12 39 57
Aug. 7	
BYR iP	15 48 13
SPA eP	15 47 57
e	50 30
Aug. 7	
SPA eP	16 13 30
Aug. 7	
BYR eP	16 25 48
e	26 48
Aug. 7	
SPA eP	16 26 37
Aug. 7	
SPA eP	21 15 29
Aug. 7	
SPA eP	21 58 40
Aug. 7	
BYR eP	22 19 25
Aug. 7	
SPA eP	23 31 23
e	32 45
Aug. 8	
SPA eP	00 17 05
Aug. 8	
SPA iP'	01 38 53
Aug. 8	
BYR e(P)	01 45 24
Aug. 8	
SPA eP	04 19 12
e	19 50
Aug. 8	
BYR e(P)	04 39 28
SPA eP	04 39 58
e	40 15
Aug. 8	
SPA eP	06 59 18
Aug. 8	
SPA eP'	07 30 42

Date and Station	Phase (GCT)
Aug. 8	h m s
BYR eP	08 48 44
SPA eP	08 49 14
Aug. 8	
SPA eP	10 16 28
Aug. 8	
BYR e(P)	10 40 13
e	40 20
Aug. 8	
SPA eP	11 02 13
e	03 20
Aug. 8	
SPA eP	15 13 56
Aug. 8	
BYR eP	15 23 59
Aug. 8	
BYR eP	15 47 29
SPA eP	15 47 14
Aug. 8	
SPA eP	17 01 07
Aug. 8	
BYR eP	18 46 58
SPA eP	18 46 29
Aug. 8	
SPA eP	20 55 17
Aug. 8	
SPA eP	23 40 50
e	43 47
Aug. 9	
BYR eP	00 45 12
SPA eP	00 44 43
e	44 54
e	48 40
Aug. 9	
SPA eP	01 11 31
e	11 38
Aug. 9	
SPA eP	03 43 02
Aug. 9	
BYR e(P)	03 48 27
e	48 57
SPA eP	03 49 37
Aug. 9	
BYR iP	04 16 43
e	17 24
SPA iP	04 17 22
epP	17 59
ePP	19 38

Date and Station	Phase (GCT)
Aug. 9	h m s
BYR eP	05 03 39
SPA eP	05 04 32
e	04 59
Aug. 9	
BYR iP	06 20 26
SPA eP	06 21 07
e	21 14
e	21 20
ePcP	21 45
Aug. 9	
BYR eP'	06 41 27
SPA eP'	06 41 28
e	41 37
e	42 05
e	42 45
eSKP	45 13
Aug. 9	
BYR eP'	07 17 37
SPA eP	07 17 44
e	17 51
e(pP)	18 36
e	18 55
e	19 06
Aug. 9	
SPA eP	07 58 32
e	58 48
e	08 05 21
e	10 18
Aug. 9	
SPA eP	09 24 05
e	24 22
Aug. 9	
SPA eP	11 01 53
Aug. 9	
BYR eP	16 43 09
Aug. 9	
BYR eP	16 56 34
eP'P'	17 25 57
SPA eP	16 57 06
e	57 11
e	57 56
e	58 07
e	17 03 02
eP'P'	25 28
e	25 39
Aug. 9	
BYR eP	18 15 43
SPA eP	18 16 14
Aug. 9	
SPA eP'	18 38 40
e	39 27

Date and Station	Phase (GCT)
Aug. 9	h m s
SPA eP	19 50 08
e	50 17
Aug. 9	
BYR eP	21 05 10
Aug. 9	
SPA eP	22 59 05
Aug. 9	
BYR eP	23 01 36
Aug. 9	
BYR eP	23 48 34
SPA iP	23 48 48
e	49 26
eS	58 31
eSS	24 03 50
e	09 04
Aug. 10	
SPA eP	00 57 27
Aug. 10	
SPA eP	01 16 26
e	17 19
Aug. 10	
SPA eP	02 12 14
Aug. 10	
BYR eP	02 50 07
SPA eP	02 50 58
e	51 08
Aug. 10	
SPA iP	03 08 16
e	10 39
e	11 22
e	17 32
Aug. 10	
SPA eP	04 32 12
Aug. 10	
BYR eP	04 49 05
SPA eP	04 49 56
Aug. 10	
BYR eP	05 26 07
Aug. 10	
BYR e(P)	05 34 19
Aug. 10	
BYR e(P)	06 00 10
Aug. 10	
BYR iP	06 06 23
SPA iP	06 06 52
e	07 10
Aug. 10	
SPA eP	07 49 56

Date and Station	Phase (GCT)
	h m s
Aug. 10	
BYR iP	09 41 13
SPA eP	09 41 49
Aug. 10	
BYR eP	10 37 29
SPA eP	10 37 00
e	37 18
Aug. 10	
SPA eP	11 13 08
e	17 21
Aug. 10	
BYR eP	11 43 57
SPA eP	11 43 39
Aug. 10	
BYR e(P)	12 51 50
i	52 04
SPA eP	12 52 40
Aug. 10	
SPA eP	14 46 58
Aug. 10	
BYR eP	14 50 20
SPA e(P)	14 49 55
e	50 00
e	50 33
Aug. 10	
SPA eP	16 50 20
Aug. 10	
SPA eP	20 10 30
Aug. 10	
BYR eP	20 13 04
SPA eP	20 13 01
Aug. 10	
SPA eP	20 28 48
e	30 48
Aug. 10	
SPA eP	21 17 36
Aug. 10	
BYR e(P)	21 43 42
SPA eP	21 44 37
Aug. 10	
SPA eP	22 11 45
Aug. 10	
BYR e(P)	22 13 58
Aug. 10	
SPA e	22 26 21
e	28 03
Aug. 11	
BYR iP	00 25 20

Date and Station	Phase (GCT)
	h m s
Aug. 11	
BYR eP	02 14 00
Aug. 11	
SPA eP	02 48 49
Aug. 11	
BYR eP'	02 56 03
ePP	59 26
e	03 00 28
SPA eP'	02 56 13
epP'	56 52
esP'	57 12
ePP	59 42
Aug. 11	
BYR eP	03 06 39
e	07 38
ePP	10 43
SPA eP	03 06 15
e	06 25
e	07 11
e	07 59
e(PP)	10 43
Aug. 11	
SPA iP	04 29 56
Aug. 11	
SPA iP	04 50 14
e	53 09
Aug. 11	
BYR eP	05 04 29
ePP	08 35
ePKKP	20 24
e	20 44
SPA eP	05 04 07
e	05 03
ePP	07 58
e	08 39
eSKS	14 39
ePKKP	21 01
e	24 54
Aug. 11	
BYR e(P)	07 14 32
e	14 44
Aug. 11	
SPA eP	09 38 08
Aug. 11	
SPA eP	13 10 27
e	14 27
Aug. 11	
SPA eP	14 37 05
e	38 20
Aug. 11	
SPA eP	16 43 38
e	45 41
Aug. 11	
BYR eP	21 52 51

Date and Station	Phase (GCT)
	h m s
SPA eP	21 53 27
e	53 43
Aug. 12	
SPA eP	00 04 26
e	09 29
Aug. 12	
BYR eP	00 18 58
e	20 18
SPA eP	00 19 30
Aug. 12	
SPA eP	01 41 52
Aug. 12	
SPA eP	02 20 15
e	23 48
Aug. 12	
SPA eP	02 30 59
Aug. 12	
BYR eP	03 19 00
Aug. 12	
SPA eP	03 19 33
Aug. 12	
BYR eP	04 09 16
Aug. 12	
SPA eP	04 50 53
Aug. 12	
SPA eP	05 13 01
Aug. 12	
BYR eP	07 41 59
SPA eP	07 42 50
Aug. 12	
SPA eP	10 02 34
Aug. 12	
BYR eP	10 09 27
SPA eP	10 08 19
ePP	10 07
e	17 07
Aug. 12	
SPA eP	11 12 59
Aug. 12	
BYR eP	11 32 52
SPA eP	11 33 07
Aug. 12	
BYR eP	11 42 00
Aug. 12	
BYR iP'	13 31 33
eSKKP	43 48

Date and Station	Phase (GCT)
	h m s
SPA eP'	13 31 30
ePP	33 28
eSKKP	44 49
Aug. 12	
SPA e(P)	14 25 52
Aug. 12	
SPA eP	15 12 52
Aug. 12	
SPA eP	15 37 32
Aug. 12	
SPA eP	16 28 35
Aug. 12	
SPA eP	19 05 45
Aug. 12	
SPA eP	19 45 32
Aug. 12	
BYR e(P)	23 34 59
SPA iP	23 34 41
epP	35 02
e	39 03
Aug. 13	
SPA eP	00 27 12
Aug. 13	
SPA eP	00 36 20
Aug. 13	
BYR eP	04 24 24
SPA eP	04 23 18
e(PP)	25 00
Aug. 13	
SPA eP	05 43 23
e	44 41
Aug. 13	
SPA eP	06 38 10
Aug. 13	
BYR eP	06 40 56
SPA eP	06 41 49
e	43 54
Aug. 13	
BYR eP	07 30 12
iSKP	33 32
e	42 33
SPA eP	07 29 57
e	30 09
e	30 24
e	30 44
e(PP)	32 35
eSKP	33 26
e	33 52
e	43 11
e	46 48

Date and Station	Phase	(GCT)
		h m s
Aug. 13		
SPA	eP	08 15 40
Aug. 13		
SPA	eP	10 58 17
Aug. 13		
SPA	eP	11 03 13
Aug. 13		
SPA	eP	11 24 48
Aug. 13		
BYR	iP	14 23 00
	iPP	24 37
	e	28 41
SPA	iP	14 23 52
	ePP	25 40
	eS	31 00
	i	38 48
Aug. 13		
BYR	iP	14 36 56
Aug. 13		
BYR	eP	14 53 13
SPA	eP	14 54 22
Aug. 13		
SPA	eP	15 17 14
	e	18 37
Aug. 13		
BYR	eP	15 29 37
SPA	eP	15 30 20
Aug. 13		
SPA	eP	16 05 06
Aug. 13		
BYR	eP	16 21 31
SPA	eP	16 22 23
Aug. 13		
SPA	eP	16 37 05
Aug. 13		
BYR	iP	17 17 53
SPA	eP	17 18 44
Aug. 13		
BYR	iP	17 38 24
SPA	eP	17 39 16
Aug. 13		
BYR	eP	18 03 42
SPA	eP	18 04 34
	e	10 36

Date and Station	Phase	(GCT)
		h m s
Aug. 13		
SPA	eP	18 41 00
Aug. 13		
BYR	e(P)	20 12 08
Aug. 13		
BYR	eP	20 30 36
SPA	eP	20 31 27
Aug. 13		
BYR	e(P)	22 35 57
	e	36 34
SPA	eP	22 37 28
Aug. 13		
SPA	eP	23 17 15
Aug. 13		
SPA	eP	23 34 39
Aug. 14		
SPA	eP	00 37 11
Aug. 14		
SPA	eP	00 54 28
Aug. 14		
BYR	eP	02 13 30
SPA	eP	02 14 22
Aug. 14		
SPA	e(P)	03 09 08
Aug. 14		
SPA	e(P)	03 16 30
	e	19 15
Aug. 14		
BYR	e(P)	04 19 58
	e	20 07
	e	23 54
SPA	eP	04 20 08
Aug. 14		
SPA	eP	04 33 49
BYR	eP	04 33 02
Aug. 14		
SPA	eP	05 57 38
	e	59 42
Aug. 14		
SPA	eP	07 05 57
	e	07 03
Aug. 14		
BYR	eP	08 41 42
SPA	eP	08 42 19
Aug. 14		
SPA	eP	11 38 26
	e	38 47

Date and Station	Phase	(GCT)
		h m s
Aug. 14		
SPA	eP	11 38 26
	e	38 47
Aug. 14		
SPA	e(P)	11 44 34
Aug. 14		
SPA	eP	12 57 30
Aug. 14		
BYR	eP	13 36 42
SPA	eP	13 36 18
Aug. 14		
BYR	iP	14 53 15
SPA	iP	14 53 09
	epP	53 55
Aug. 14		
BYR	eP	15 01 19
Aug. 14		
BYR	eP	15 15 09
SPA	eP	15 15 35
Aug. 14		
BYR	eP	20 36 14
SPA	eP	20 35 17
Aug. 14		
SPA	eP'	21 43 10
Aug. 14		
SPA	eP'	22 56 07
Aug. 14		
BYR	iP	22 55 56
	ipP	56 47
SPA	iP	22 56 32
	epP	57 18
	ePP	58 53
Aug. 14		
BYR	eP	23 25 01
SPA	eP	23 25 05
Aug. 14		
SPA	eP	23 49 09
Aug. 15		
SPA	eP	02 46 52
Aug. 15		
BYR	eP	03 25 36
SPA	eP	03 26 23
Aug. 15		
SPA	iP	04 07 08
Aug. 15		
SPA	iP	04 49 30
	e	52 00

Date and Station	Phase	(GCT)
		h m s
Aug. 15		
BYR	e(P)	05 00 46
SPA	eP	05 01 42
Aug. 15		
BYR	eP'	05 55 01
SPA	eP'	05 55 17
	e	55 33
Aug. 15		
BYR	iP'	06 15 01
	epP'	15 16
SPA	eP'	06 15 00
Aug. 15		
BYR	iP	06 39 56
SPA	eP	06 40 47
	e	40 57
	e	48 22
Aug. 15		
BYR	eP	07 11 41
SPA	eP	07 10 43
	e	11 29
Aug. 15		
BYR	e(P)	10 13 47
SPA	eP	10 13 28
Aug. 15		
SPA	eP	13 52 59
Aug. 15		
BYR	eP	14 46 23
SPA	eP	14 45 29
	e	46 16
Aug. 15		
SPA	eP	17 13 01
Aug. 15		
BYR	eP	17 50 13
SPA	eP	17 51 16
Aug. 15		
BYR	eP	17 56 45
	e	57 42
SPA	eP	17 57 36
	e	58 33
Aug. 15		
BYR	iP	19 30 35
SPA	eP	19 30 16
	e	30 31
	e	33 05
Aug. 15		
BYR	eP	21 28 54

B-4297-4

Date and Station	Phase	(GCT)
		h m s
SPA	eP	21 29 43
Aug. 15		
BYR	eP	21 44 33
Aug. 15		
BYR	e(P)	22 19 47
SPA	eP	22 20 38
Aug. 15		
BYR	eP'	22 44 40
SPA	eP'	22 44 57
Aug. 15		
SPA	eP	00 54 17
Aug. 16		
BYR	eP	00 57 09
SPA	eP	00 58 01
	e	58 47
Aug. 16		
SPA	eP	02 22 47
Aug. 16		
BYR	iP	02 58 02
	ipP	58 25
	isP	58 37
SPA	eP	02 58 14
	epP	58 36
	esP	58 40
	e	59 04
	e	03 04 46
Aug. 16		
SPA	e(P)	03 27 59
	e	31 16
Aug. 16		
SPA	eP	04 40 56
	e	42 57
Aug. 16		
SPA	eP	04 57 49
Aug. 16		
SPA	eP	06 12 11
Aug. 16		
BYR	eP	07 13 32
Aug. 16		
SPA	eP	07 44 00
Aug. 16		
SPA	eP	08 05 44
Aug. 16		
BYR	eP	08 26 04
	epP	26 19
SPA	eP	08 26 00
Aug. 16		
SPA	eP	09 04 15

Date and Station	Phase	(GCT)
Aug. 16		h m s
SPA	eP	09 10 51
	e	11 43
Aug. 16		
SPA	eP	10 43 43
Aug. 16		
SPA	eP	12 00 48
	e	01 46
Aug. 16		
SPA	eP	15 00 48
Aug. 16		
SPA	eP	22 18 35
	e	19 39
Aug. 16		
BYR	eP	22 40 27
SPA	eP	22 40 11
	e	40 42
Aug. 16		
BYR	eP	23 04 47
Aug. 16		
BYR	eP	23 08 29
	e	08 40
Aug. 16		
SPA	eP	23 16 41
Aug. 16		
SPA	eP	23 49 48
Aug. 16		
SPA	eP	23 59 39
Aug. 17		
SPA	eP	01 43 39
Aug. 17		
SPA	eP	02 23 28
Aug. 17		
BYR	eP	03 42 25
SPA	eP	03 42 53
	e	46 30
Aug. 17		
SPA	eP	04 35 23
	e	40 15
Aug. 17		
SPA	eP	05 25 08
Aug. 17		
SPA	iP	05 48 32
Aug. 17		
SPA	eP	09 38 33
Aug. 17		
BYR	eP	09 45 15
	e	46 54
SPA	eP	09 44 53
		50 22

Date and Station	Phase	(GCT)
Aug. 17		h m s
SPA	eP	11 06 54
	e	10 26
Aug. 17		
SPA	eP	11 12 46
	e	13 16
Aug. 17		
BYR	eP	11 35 41
SPA	eP	11 35 22
	e	37 02
Aug. 17		
SPA	eP	13 57 02
Aug. 17		
SPA	eP	14 04 52
Aug. 17		
SPA	eP	18 21 25
	ePP	24 26
Aug. 18		
SPA	eP	01 01 40
Aug. 18		
BYR	eP	01 43 15
SPA	eP	01 42 48
Aug. 18		
SPA	eP	01 53 01
Aug. 18		
SPA	eP	03 01 29
Aug. 18		
BYR	eP	04 02 17
SPA	eP	04 02 44
Aug. 18		
SPA	e(P)	04 12 16
Aug. 18		
BYR	eP	10 36 27
SPA	eP	10 36 06
	e	37 00
Aug. 18		
BYR	eP	10 43 53
SPA	eP	10 44 09
Aug. 18		
BYR	eP	11 15 50
SPA	eP	11 16 39
	epP	16 52
Aug. 18		
BYR	e(P)	13 12 05
Aug. 18		
SPA	eP	17 13 32
Aug. 18		
BYR	e(P)	19 45 50

Date and Station	Phase	(GCT)
Aug. 18		h m s
SPA	eP	20 07 45
Aug. 18		
BYR	eP'	21 06 16
	epP'	06 36
SPA	eP'	21 06 16
	epP'	06 35
Aug. 18		
BYR	eP	22 55 29
SPA	eP	22 55 44
	e	56 30
	e	23 01 15
Aug. 19		
BYR	eP	01 29 52
Aug. 19		
BYR	eP	01 49 07
SPA	eP	01 49 07
Aug. 19		
SPA	eP	02 40 45
	e	41 14
Aug. 19		
BYR	e(P)	02 51 45
SPA	eP	02 52 20
	e	57 18
Aug. 19		
SPA	eP	03 39 16
Aug. 19		
BYR	eP	03 45 14
Aug. 19		
SPA	eP	03 58 20
Aug. 19		
SPA	e(P')	04 26 19
Aug. 19		
BYR	eP	04 37 34
SPA	eP	04 37 53
	e	41 42
Aug. 19		
SPA	eP	05 50 31
	e	51 12
Aug. 19		
BYR	e(P)	05 58 06
SPA	eP	05 57 48
Aug. 19		
BYR	eP	09 03 14
SPA	eP	09 04 05

Date and Station	Phase (GCT)
	h m s
Aug. 19	
BYR eP	09 29 14
SPA eP	09 28 59
Aug. 19	
SPA eP	10 59 29
Aug. 19	
BYR eP	11 56 00
SPA eP	11 56 45
Aug. 19	
BYR eP	12 05 09
SPA iP	12 04 54
e	05 26
e	07 30
Aug. 19	
BYR eP	12 13 41
SPA eP	12 14 13
Aug. 19	
BYR eP'	12 59 46
ePKKP	13 10 07
SPA eP'	12 59 42
ePKKP	13 10 10
Aug. 19	
SPA eP	14 03 26
Aug. 19	
BYR eP	17 00 17
SPA eP	17 00 25
Aug. 19	
BYR eP'	17 23 01
i	23 11
epP'	23 23
ePP	26 20
SPA eP'	17 23 08
e(pP')	23 26
e	23 53
Aug. 19	
SPA eP	20 10 53
Aug. 19	
BYR e(P)	22 46 22
Aug. 19	
SPA eP	23 43 20
Aug. 20	
BYR eP	00 32 48
ePP	36 33
SPA eP	00 33 28
Aug. 20	
SPA eP	01 23 48
Aug. 20	
SPA eP	02 04 52

Date and Station	Phase (GCT)
	h m s
Aug. 20	
SPA eP	04 03 18
e	06 33
Aug. 20	
SPA eP	04 50 01
e	50 25
Aug. 20	
SPA eP'	06 58 57
e	59 56
Aug. 20	
BYR eP	08 19 55
SPA eP	08 20 46
Aug. 20	
BYR eP	10 14 04
SPA eP	10 14 29
e	14 44
Aug. 20	
SPA eP	11 57 16
e	51 41
Aug. 20	
SPA eP	12 51 05
Aug. 20	
SPA eP	13 51 33
Aug. 20	
BYR eP	14 45 39
SPA eP	14 46 29
Aug. 20	
BYR eP	15 26 42
SPA eP	15 27 31
Aug. 20	
BYR eP	16 02 24
SPA eP	16 02 53
Aug. 20	
SPA eP	16 18 32
Aug. 20	
BYR eP	18 00 35
SPA eP	18 01 27
Aug. 20	
BYR eP	20 18 28
ePP	20 28
eS	26 43
eP'P'	48 15
SPA eP	20 18 07
e	18 28
e	18 46
eS	25 59
e(ScS)	27 27
Aug. 20	
BYR eP	21 29 44

Date and Station	Phase (GCT)
	h m s
SPA eP	21 29 23
e	29 34
ePcP	30 32
Aug. 20	
BYR eP	22 25 28
SPA eP	22 25 33
Aug. 20	
BYR eP	22 36 05
e	36 30
ePP	39 59
SPA eP	22 35 42
epP	36 00
ePP	39 35
ePPP	41 41
e(SKS)	46 06
e	46 20
eP'P'	23 01 45
Aug. 20	
SPA e(P)	23 17 25
e	21 04
Aug. 21	
BYR eP	00 29 29
Aug. 21	
BYR iP	00 30 46.8
i	31 10.4
e	31 26
ePKKP	48 41
SPA eP	00 30 12
e	30 38
e	31 13
e(PP)	33 59
ePKKP	48 42
Aug. 21	
BYR eP	01 11 47
ipP	12 21
SPA eP	01 11 43
epP	12 27
esP	12 50
ePP	14 57
e	20 34
eS	21 47
Aug. 21	
SPA eP	03 12 59
Aug. 21	
BYR eP'	03 48 06
SPA eP'	03 47 48
Aug. 21	
BYR eP	04 08 26
SPA eP	04 09 55
Aug. 21	
BYR eP	04 38 51

Date and Station	Phase (GCT)
	h m s
SPA eP	04 39 33
Aug. 21	
SPA eP	05 52 57
Aug. 21	
BYR eP	07 00 40
SPA eP	07 00 23
Aug. 21	
SPA eP	07 35 40
e	36 22
Aug. 21	
SPA eP	08 57 32
e	09 02 26
Aug. 21	
BYR iP	11 09 21
SPA eP	11 10 00
e	10 40
Aug. 21	
SPA eP	11 49 06
e	49 33
e	53 10
Aug. 21	
BYR eP	13 03 00
ePP	07 02
e	19 23
SPA eP	13 02 41
epP	03 26
ePP	06 31
eSKS	12 56
e	19 35
Aug. 21	
SPA eP	14 12 08
Aug. 21	
SPA eP	15 51 22
Aug. 21	
SPA eP	16 37 32
e	39 40
Aug. 21	
BYR eP	16 44 02
SPA eP	16 44 33
Aug. 21	
SPA eP	17 15 41
Aug. 21	
BYR eP'	17 23 08
Aug. 21	
BYR eP	17 32 07
	32 32
SPA EP	17 32 35
	32 57

Date and Station	Phase (GCT)
	h m s
Aug. 21	
BYR eP'	18 24 02
Aug. 21	
BYR eP	21 00 13
SPA eP	21 01 05
Aug. 21	
BYR eP	21 56 32
Aug. 21	
BYR eP	22 22 18
SPA eP	22 23 10
Aug. 21	
BYR eP'	22 39 42
SPA eP'	22 39 38
Aug. 22	
SPA eP	00 34 32
Aug. 22	
BYR e(P)	01 37 20
SPA eP	01 35 58
Aug. 22	
SPA eP	02 16 11
Aug. 22	
SPA eP	03 34 51
Aug. 22	
BYR iP	04 48 55
e	49 20
SPA eP	04 49 32
e	50 00
Aug. 22	
SPA eP	05 29 56
Aug. 22	
BYR eP	06 27 40
SPA eP	06 28 02
e	28 53
Aug. 22	
SPA eP	09 18 50
e	23 49
Aug. 22	
BYR eP	12 33 21
Aug. 22	
SPA eP	14 56 59
Aug. 22	
BYR eP	17 55 05
SPA eP	17 55 42
Aug. 22	
BYR eP	18 14 15

Date and Station	Phase (GCT)
	h m s
SPA eP	18 13 50
Aug. 22	
SPA e(P)	18 34 10
Aug. 22	
BYR eP	20 56 01
epP	56 21
ePcP	57 18
SPA eP	20 56 35
e	21 05 05
Aug. 22	
BYR eP	22 09 32
SPA eP	22 08 40
Aug. 22	
SPA eP	23 05 07
Aug. 23	
BYR eP	01 09 37
SPA eP	01 10 10
Aug. 23	
BYR eP	01 32 03
SPA eP	01 32 41
i	32 46
e	33 01
Aug. 23	
SPA e(P)	01 42 52
Aug. 23	
BYR eP	02 15 33
epP	17 34
SPA eP	02 16 09
Aug. 23	
BYR eP	03 07 14
SPA eP	03 08 28
e	11 31
Aug. 23	
SPA eP	05 26 53
Aug. 23	
BYR eP	08 44 42
SPA eP	08 45 34
Aug. 23	
SPA eP	09 16 53
Aug. 23	
BYR iP	09 30 23
e	31 06
SPA eP	09 31 01
Aug. 23	
BYR eP	11 41 22

Date and Station	Phase (GCT)
	h m s
SPA eP	11 41 36
Aug. 23	
BYR e(P)	13 10 49
Aug. 23	
SPA eP	13 12 17
Aug. 23	
BYR eP	13 18 13
SPA iP	13 18 44
Aug. 23	
BYR e(P)	13 44 11
Aug. 23	
SPA eP	13 51 16
Aug. 23	
BYR eP	14 21 18
SPA eP	14 21 20
e	21 36
Aug. 23	
BYR eP	15 43 34
SPA eP	15 44 04
Aug. 23	
SPA eP	19 20 41
e	22 14
Aug. 23	
SPA eP	21 29 50
e	30 20
e	36 24
Aug. 23	
BYR eP	21 40 45
e	41 54
SPA eP	21 41 14
e	41 30
Aug. 23	
BYR eP	22 56 01
SPA eP	22 56 33
e	56 54
ePP	59 27
SPA eP	23 08 46
e	09 16
e	14 10
Aug. 24	
BYR eP	00 20 46
SPA eP	00 21 32
Aug. 24	
BYR eP	02 03 32
eSKP	07 25
SPA eP'	02 03 46
epP'	03 58
e	04 48

Date and Station	Phase (GCT)
	h m s
Aug. 24	
BYR eP	02 10 07
SPA eP	02 10 58
e	11 06
Aug. 24	
BYR eP	03 07 27
SPA eP	03 06 47
e	07 39
Aug. 24	
BYR e(P)	04 07 41
SPA eP	04 07 38
Aug. 24	
BYR eP	04 26 56
SPA eP	04 26 37
Aug. 24	
BYR eP	04 39 22
SPA eP	04 39 21
Aug. 24	
BYR eP	05 59 42
SPA eP	06 00 17
e(pP)	00 32
e	01 13
Aug. 24	
SPA eP	06 59 24
Aug. 24	
SPA eP	08 45 28
Aug. 24	
SPA eP	11 11 54
e	15 54
Aug. 24	
SPA eP	12 06 58
Aug. 24	
SPA e(P)	12 32 28
Aug. 24	
BYR eP	13 10 50
SPA eP	13 12 01
Aug. 24	
SPA eP	18 27 56
Aug. 24	
BYR iP'	19 46 36
ePKKP	56 31
eSKKP	20 00 21
SPA eP'	19 46 20
e	46 36
e	49 46
e	50 49
e	51 28
ePKKP	57 00

Date and Station	Phase (GCT)
	h m s
Aug. 24	
SPA eP	20 04 47
Aug. 24	
SPA eP'	20 40 35
Aug. 24	
BYR eP	22 23 38.2
e	27 12
SPA eP	22 25 13
e	27 47
e	28 46
Aug. 25	
BYR iP	01 07 01
SPA eP	01 07 53
e	08 19
Aug. 25	
BYR eP	01 59 20
SPA eP	01 59 52
Aug. 25	
BYR eP	03 49 16
e(PP)	50 53
Aug. 25	
SPA eP	03 49 39
e	49 57
e	50 29
i	59 17
Aug. 25	
SPA iP	04 31 14
Aug. 25	
BYR eP	06 07 32
Aug. 25	
BYR e(P)	06 14 04
SPA eP	06 14 49
Aug. 25	
BYR eP	06 17 14
e	17 39
e	19 52
SPA eP	06 18 15
e	18 40
e	20 46
Aug. 25	
BYR eP	06 39 00
SPA eP	06 39 37
e	40 09
Aug. 25	
BYR eP	06 57 33
SPA eP	06 58 30
Aug. 25	
BYR iP	08 09 16
SPA eP	08 09 53
e	12 38

Date and Station	Phase (GCT)
	h m s
Aug. 25	
BYR eP	08 47 23
e	47 53
SPA eP	08 48 13
e	48 51
Aug. 25	
BYR e(P)	08 57 23
Aug. 25	
BYR eP	09 02 39
SPA eP	09 03 41
e	04 16
e	04 33
Aug. 25	
BYR eP	09 12 01
SPA eP	09 12 36
Aug. 25	
SPA eP	09 18 34
Aug. 25	
BYR e(P)	10 02 24
e	03 07
SPA eP	10 03 20
Aug. 25	
BYR e(P)	10 14 17
SPA e(P)	10 12 50
Aug. 25	
SPA eP	11 16 01
Aug. 25	
BYR iP	12 13 53
SPA eP	12 14 30
Aug. 25	
BYR eP	13 06 33
Aug. 25	
BYR eP	13 33 24
SPA eP	13 34 02
Aug. 25	
BYR eP	15 04 26
SPA eP	15 05 30
Aug. 25	
BYR iP	17 32 08
SPA eP	17 32 49
e	33 25
Aug. 25	
BYR eP'	18 01 17
e	01 52
e	12 54

Date and Station	Phase (GCT)
	h m s
SPA eP'	18 01 21
e	01 34
eSKP	05 21
e	12 57
Aug. 25	
BYR eP	18 36 01
SPA eP	18 37 26
Aug. 25	
SPA eP	19 34 56
Aug. 25	
SPA eP	19 51 25
Aug. 25	
BYR e(P)	20 33 06
SPA eP	20 32 04
Aug. 25	
SPA eP	22 33 49
Aug. 25	
BYR eP	23 10 25
SPA eP	23 11 39
e	12 07
e(PcP)	13 00
eS	19 16
Aug. 26	
BYR eP	00 22 29
SPA eP	00 23 18
e	23 44
e(PcP)	24 46
Aug. 26	
BYR eP	01 32 05
SPA eP	01 32 54
e	34 18
Aug. 26	
SPA iP'	01 46 43
Aug. 26	
BYR eP	09 31 40
SPA eP	09 32 32
e	32 57
e	34 16
Aug. 26	
BYR eP'	09 39 27
SPA eP'	09 39 24
Aug. 26	
SPA eP'	10 04 28
Aug. 26	
SPA iP	11 30 10
Aug. 26	
BYR eP	11 42 50

Date and Station	Phase (GCT)
	h m s
SPA eP	11 43 37
Aug. 26	
BYR eP	11 59 55
SPA eP	11 59 30
e	12 04 07
Aug. 26	
BYR iP	14 59 40
e	15 00 12
SPA eP	15 00 19
Aug. 26	
BYR eP	15 07 37
SPA eP	15 06 52
e	06 58
e	07 13
e	08 50
Aug. 26	
BYR eP	15 22 14
SPA eP	15 23 41
Aug. 26	
BYR eP	16 12 13
SPA eP	16 13 19
Aug. 26	
SPA eP	16 58 24
Aug. 26	
BYR eP	17 35 53
SPA eP	17 36 27
e	36 37
Aug. 26	
BYR eP	18 38 51
e	39 55
ePP	41 39
SPA eP	18 39 05
e	39 13
e	40 10
Aug. 26	
BYR e(P)	19 00 40
SPA eP	19 00 55
Aug. 26	
SPA eP	20 12 26
Aug. 26	
BYR eP	20 27 04
ePP	28 49
SPA eP	20 27 35
ePP	29 12
Aug. 26	
BYR e(P)	20 55 39
i	55 47

Date and Station	Phase	(GCT)
		h m s
SPA	eP	20 55 54
Aug. 26		
SPA	eP	23 02 15
Aug. 27		
SPA	eP	00 32 22
Aug. 27		
BYR	e(P)	01 14 42
SPA	eP	01 15 09
Aug. 27		
SPA	eP	02 32 23
Aug. 27		
SPA	eP	08 55 55
Aug. 27		
BYR	eP	10 11 13
SPA	eP	10 10 48
Aug. 27		
BYR	eP	10 32 16
SPA	eP	10 32 19
Aug. 27		
BYR	e(P')	10 36 29
	e	39 22
	e(SKP)	39 56
	e	42 35
SPA	eP'	10 36 14
	eSKP	38 48
Aug. 27		
BYR	eP	11 47 48
Aug. 27		
BYR	eP	11 59 56
Aug. 27		
SPA	eP	12 09 26
Aug. 27		
BYR	iP	13 01 03
SPA	iP	13 01 34
	e	01 51
	ePcP	02 11
Aug. 27		
BYR	eP'	18 35 09
	i	35 17
	epP	36 02
	iSKP	38 33
	e	46 26
SPA	eP'	18 35 12
	e	35 21
	eSKP	38 38
	e	46 05
	e	47 23
Aug. 27		
SPA	eP	19 37 38
	e	38 22

Date and Station	Phase	(GCT)
Aug. 27		h m s
BYR	eP	22 06 02
SPA	eP	22 07 17
Aug. 28		
BYR	iP	00 33 59
Aug. 28		
BYR	e(P)	06 17 52
Aug. 28		
BYR	e(P)	19 14 03
Aug. 29		
BYR	e(P)	05 05 41
SPA	eP	05 06 22
	e(PP)	09 30
	e(PPP)	11 38
Aug. 29		
BYR	eP	06 28 10
Aug. 29		
SPA	eP	06 30 47
Aug. 29		
SPA	eP	06 52 28
	e	53 36
Aug. 29		
SPA	eP	07 44 03
Aug. 29		
BYR	eP	11 59 42
SPA	eP	11 59 42
Aug. 29		
BYR	eP	13 45 16
SPA	eP	13 45 31
Aug. 29		
SPA	eP	18 19 30
Aug. 29		
BYR	eP	18 27 42
SPA	eP	18 28 33
Aug. 29		
SPA	eP	20 49 06
Aug. 29		
SPA	eP	23 01 39
	e	02 28
	e	05 52
Aug. 29		
SPA	eP	23 35 22
Aug. 29		
SPA	eP	23 38 52
Aug. 30		
SPA	eP	00 20 15

Date and Station	Phase	(GCT)
Aug. 30		h m s
SPA	eP	00 20 15
Aug. 30		
SPA	eP	00 34 30
Aug. 30		
BYR	iP	03 22 35
SPA	eP	03 22 20
	e	24 53
Aug. 30		
SPA	eP	04 05 24
	e	07 58
Aug. 30		
SPA	eP	06 41 13
	e	43 38
Aug. 30		
BYR	eP	06 55 16
SPA	eP	06 56 23
	e	56 47
Aug. 30		
SPA	eP	07 24 25
Aug. 30		
SPA	eP	08 26 34
Aug. 30		
SPA	eP	08 42 31
Aug. 30		
SPA	eP	08 54 37
Aug. 30		
SPA	eP	09 08 00
	e	09 01
Aug. 30		
BYR	eP	10 24 23
SPA	eP	10 24 08
Aug. 30		
SPA	eP	10 48 56
Aug. 30		
SPA	eP	12 10 15
Aug. 30		
BYR	e(P)	14 56 51
Aug. 30		
SPA	eP	16 11 37
	e	11 45
	e	12 07
Aug. 30		
SPA	eP	16 35 56
	e	36 04
Aug. 30		
BYR	e(P)	19 15 58
	e	20 49
SPA	eP	19 16 54
	e(pP)	18 45

Date and Station	Phase	(GCT)
Aug. 30		h m s
SPA	eP	20 47 35
Aug. 30		
SPA	eP	22 45 47
Aug. 30		
SPA	eP	23 03 59
Aug. 30		
SPA	eP	23 29 42
Aug. 31		
SPA	eP	03 36 22
Aug. 31		
BYR	iP	05 44 02
	e	46 39
SPA	eP	05 43 04
	i	43 14
	e	46 03
	e	49 49
Aug. 31		
SPA	eP	06 07 54
Aug. 31		
SPA	eP	06 39 48
Aug. 31		
SPA	eP	07 17 30
	e	19 56
Aug. 31		
BYR	eP	07 26 13
SPA	eP	07 27 17
Aug. 31		
SPA	eP	07 46 00
Aug. 31		
SPA	eP	10 03 14
Aug. 31		
BYR	iP	11 35 33
SPA	eP	11 36 23
	e	36 32
	e(PP)	38 14
Aug. 31		
SPA	eP	12 03 57
Aug. 31		
SPA	eP	13 22 16
	e	23 26
Aug. 31		
SPA	eP	13 53 07
Aug. 31		
SPA	eP	15 23 02
Aug. 31		
BYR	eP	15 40 46

Date and Station	Phase (GCT)
	h m s
SPA eP	15 41 08
Aug. 31	
BYR e(P)	16 28 00
SPA eP	16 27 56
e	28 32
Aug. 31	
BYR eP	17 14 19
Aug. 31	
BYR eP'	17 40 38
SPA eP	17 37 10
e	39 07
Aug. 31	
SPA eP	18 05 55
Aug. 31	
SPA eP'	22 30 59
Aug. 31	
SPA eP	22 59 15
e	23 00 52
Aug. 31	
BYR eP	23 09 44
Sept. 1	
SPA eP	00 01 12
e	07 52
Sept. 1	
SPA eP	03 01 23
e	01 52
Sept. 1	
SPA eP	04 02 39
Sept. 1	
BYR eP	04 22 38
SPA eP	04 23 08
e	23 20
Sept. 1	
BYR eP	05 03 40
Sept. 1	
BYR eP	06 12 50
Sept. 1	
SPA eP	06 13 22
Sept. 1	
BYR eP	07 07 34
i	07 45
SPA eP	07 08 14
Sept. 1	
BYR eP	07 44 28
epP	46 05
SPA eP	07 45 03
epP	46 40

Date and Station	Phase (GCT)
Sept. 1	h m s
BYR eP	07 58 49
SPA eP	07 58 31
Sept. 1	
BYR e(P)	08 14 06
SPA eP	08 14 02
Sept. 1	
SPA eP	08 28 13
Sept. 1	
BYR eP	09 39 34
SPA eP	09 39 50
e	40 19
Sept. 1	
SPA eP	10 20 04
Sept. 1	
SPA eP	10 40 45
Sept. 1	
BYR eP	10 46 20
SPA eP	10 46 37
e	47 09
Sept. 1	
BYR eP	11 26 16
SPA eP	11 26 32
e	26 45
ePP	29 16
Sept. 1	
BYR eP	11 53 23
SPA eP	11 53 14
e	57 28
Sept. 1	
BYR eP	12 07 45
SPA eP	12 08 20
Sept. 1	
SPA eP	12 19 23
Sept. 1	
SPA eP	12 31 59
Sept. 1	
SPA eP	12 41 00
Sept. 1	
BYR eP	14 33 14
SPA eP	14 33 28
Sept. 1	
BYR eP'	15 56 32
ePP	16 00 10
e	02 47

Date and Station	Phase (GCT)
	h m s
SPA eP'	15 56 51
e	57 14
e	59 13
ePP	16 00 16
e	01 09
e	08 06
Sept. 1	
SPA eP	16 45 38
e	48 06
e	48 13
Sept. 1	
BYR e(P)	17 03 35
Sept. 1	
SPA eP	17 43 00
Sept. 1	
BYR eP	18 52 22
SPA eP	18 52 51
e	53 02
Sept. 1	
BYR eP	20 13 06
SPA eP	20 13 34
e	13 44
Sept. 1	
SPA eP	22 15 54
Sept. 1	
SPA eP	23 10 15
e	12 30
e	14 52
e	19 22
Sept. 2	
BYR eP	03 59 24
SPA eP	03 59 38
Sept. 2	
BYR eP	07 45 59
i	46 06
SPA eP	07 46 49
e	47 05
Sept. 2	
BYR iP	11 03 50
epP	04 32
SPA iP	11 03 45
epP	04 27
ePP	06 45
e	11 06
Sept. 2	
SPA eP	12 42 43
Sept. 2	
BYR eP'	14 05 12
e	05 53
SPA eP'	14 04 52
e	05 03

Date and Station	Phase (GCT)
Sept. 2	h m s
BYR e(P)	15 14 19
SPA eP	15 14 41
Sept. 2	
SPA eP	17 55 13
e	57 01
Sept. 2	
BYR iP	18 41 34
i	42 02
e	42 16
ePP	43 56
SPA eP	18 42 16
e	42 44
e	44 09
Sept. 2	
BYR e(P')	18 59 33
SPA eP'	18 59 24
Sept. 2	
SPA eP	19 12 00
e	12 32
e	18 51
Sept. 2	
SPA eP	21 53 01
e	53 29
Sept. 2	
BYR eP'	22 22 05
e(SKP)	25 44
eSKKP	34 22
SPA eP'	22 22 10
e(SKP)	25 51
e	30 09
e	32 52
eSKKP	34 25
Sept. 2	
SPA eP	23 11 56
e	12 53
Sept. 2	
BYR iP	23 33 55
SPA eP	23 34 46
Sept. 3	
SPA eP'	00 19 27
Sept. 3	
BYR eP'	00 38 34
SPA eP'	00 38 33
Sept. 3	
BYR eP	02 28 37
SPA eP	02 28 05
Sept. 3	
SPA eP	03 00 42

Date and Station	Phase (GCT)
	h m s
Sept. 3	
SPA eP	04 14 44
Sept. 3	
BYR eP	05 52 26
SPA eP	05 52 42
e	53 04
Sept. 3	
SPA eP	06 20 51
Sept. 3	
BYR e(P)	06 41 19
SPA eP	06 41 24
Sept. 3	
BYR eP	07 57 34
e	58 12
SPA eP	07 57 51
e	58 30
Sept. 3	
SPA eP	08 34 33
Sept. 3	
BYR eP	08 49 32
SPA eP	08 50 24
Sept. 3	
BYR eP	10 50 27
Sept. 3	
BYR iP	12 53 17
epP	54 52
esP	54 36
e	57 56
eSKS	13 03 07
ePKKP	11 34
eP'P'	19 30
eSKPP'	22 18
SPA eP	12 53 23
e(pP)	54 52
e	56 45
e	58 02
eSKS	13 03 07
e	08 14
ePKKP	11 33
eP'P'	19 30
eSKPP'	22 19
Sept. 3	
SPA eP	13 38 29
e	41 58
Sept. 3	
SPA eP	13 48 19
Sept. 3	
BYR eP	14 03 39
e	04 08
SPA eP	14 04 17
Sept. 3	
BYR eP	15 16 53

Date and Station	Phase (GCT)
	h m s
SPA iP	15 17 28
Sept. 3	
BYR eP	15 27 12
SPA iP	15 27 41
epP	29 49
Sept. 3	
BYR eP	15 56 09
Sept. 3	
SPA eP	16 55 39
e	55 49
Sept. 3	
BYR eP	19 22 56
Sept. 3	
BYR eP	20 49 37
e	51 11
SPA eP	20 48 57
Sept. 3	
SPA eP	22 44 30
e	52 21
Sept. 3	
SPA eP	23 23 41
Sept. 4	
BYR eP'	00 05 40
i	06 06
e(SKP)	09 07
e	17 24
SPA eP'	00 05 26
e	05 43
e(SKP)	08 32
e(PKS)	09 10
e	17 56
Sept. 4	
BYR e(P)	01 13 26
Sept. 4	
BYR eP	02 49 47
SPA eP	02 50 04
e	50 33
Sept. 4	
BYR eP	04 56 34
SPA eP	04 54 48
e	57 09
Sept. 4	
BYR e(P)	05 07 57
SPA eP	05 08 13
e	09 43
Sept. 4	
BYR eP'	05 40 42
SPA eP'	05 40 57
e	41 03
e	41 37

Date and Station	Phase (GCT)
	h m s
Sept. 4	
BYR eP	07 11 01
SPA eP	07 11 30
Sept. 4	
SPA eP	10 55 24
Sept. 4	
BYR e(P)	15 25 52
Sept. 4	
BYR e(P)	15 35 13
Sept. 4	
BYR eP	20 20 58
Sept. 4	
BYR e(P)	21 15 18
SPA eP	21 15 01
Sept. 5	
BYR eP	00 06 36
Sept. 5	
BYR eP	03 48 55
SPA eP	03 48 49
Sept. 5	
SPA eP	04 04 36
Sept. 5	
SPA eP	04 12 40
Sept. 4	
SPA eP	04 54 38
e	58 03
Sept. 5	
BYR eP	06 02 16
SPA eP	06 02 40
Sept. 5	
BYR eP	07 37 21
e	38 21
SPA eP	07 37 53
e	38 53
Sept. 5	
SPA eP	08 02 02
Sept. 5	
BYR eP	09 50 17
ePP	51 52
SPA eP	09 49 32
e	49 39
Sept. 5	
SPA eP	11 54 10
Sept. 5	
BYR eP	12 13 27
e	13 52

Date and Station	Phase (GCT)
	h m s
SPA eP	12 14 18
e	15 13
Sept. 5	
BYR eP	12 25 43
SPA eP	12 27 04
Sept. 5	
SPA eP	13 20 34
Sept. 5	
BYR eP	14 19 42
Sept. 5	
SPA eP	15 51 40
Sept. 5	
BYR eP	17 07 02
SPA eP	17 06 48
Sept. 5	
SPA eP	17 39 06
Sept. 5	
SPA eP	17 50 33
Sept. 5	
BYR e(P)	18 17 21
SPA eP	18 17 02
Sept. 5	
SPA eP	18 48 54
Sept. 5	
BYR e(P)	21 24 19
Sept. 6	
BYR e(P)	00 28 30
Sept. 6	
BYR eP	02 07 17
SPA eP	02 07 47
Sept. 6	
SPA eP	02 51 46
e	52 38
Sept. 6	
SPA eP	03 16 09
Sept. 6	
SPA eP	04 03 24
Sept. 6	
SPA eP	04 12 38
Sept. 6	
SPA eP	06 16 33
Sept. 6	
BYR eP	09 23 22
SPA eP	09 22 10
e	25 55

B-4297-4

Date and Station	Phase	Phase (GCT)
Sept. 6		h m s
SPA	eP	09 52 41
Sept. 6		
BYR	eP	10 07 26
	ePcP	08 59
SPA	eP	10 08 01
	e	08 17
Sept. 6		
BYR	eP	11 24 14
	e	24 35
SPA	eP	11 24 39
	e	24 55
Sept. 6		
BYR	eP	12 06 51
Sept. 6		
BYR	eP	12 47 56
SPA	eP	12 47 50
	e	48 14
Sept. 6		
BYR	eP	13 02 53
Sept. 6		
BYR	iP	14 13 46
	ePKKP	32 08
	eP'P'	42 07
SPA	eP	14 14 06
	e	15 01
	e	17 32
	eS	23 08
	ePKKP	32 28
	eL	34 22
	eP'P'	42 07
Sept. 6		
BYR	eP'	15 43 56
	eSKP	47 18
SPA	eP'	15 43 47
	eSKP	47 07
Sept. 6		
BYR	eP	16 42 12
SPA	eP	16 41 53
Sept. 6		
BYR	eP	17 13 40
SPA	eP	17 14 31
Sept. 6		
SPA	eP	19 00 59
Sept. 6		
BYR	eP	20 45 15
SPA	eP	20 45 59
Sept. 6		
BYR	eP	21 07 50

Date and Station	Phase	Phase (GCT)
		h m s
SPA	eP	21 08 19
Sept. 6		
BYR	e(P)	21 38 09
SPA	eP	21 38 37
Sept. 6		
BYR	eP'	21 44 16
Sept. 6		
BYR	eP	23 09 52
SPA	eP	23 09 56
Sept. 7		
BYR	eP	01 27 21
	ePP	29 14
SPA	eP	01 26 58
	ePcP	27 51
	e	28 07
	e	30 38
	e	31 35
Sept. 7		
SPA	eP	01 50 51
Sept. 7		
SPA	eP	02 04 23
Sept. 7		
BYR	eP	02 38 33
SPA	eP	02 38 11
Sept. 7		
SPA	eP	03 01 46
Sept. 7		
BYR	eP	04 03 19
	e	03 45
SPA	eP	04 02 58
	e	03 50
Sept. 7		
BYR	e(P)	08 27 21
SPA	eP	08 27 42
	e(PP)	30 35
Sept. 7		
BYR	eP'	12 04 10
SPA	eP'	12 04 12
Sept. 7		
SPA	eP	14 29 37
Sept. 7		
SPA	eP	16 54 21
Sept. 7		
SPA	eP	18 03 20
Sept. 7		
SPA	eP	18 55 48

Date and Station	Phase	Phase (GCT)
Sept. 7		h m s
SPA	eP	19 38 50
Sept. 7		
SPA	eP	19 52 12
Sept. 7		
SPA	eP	20 29 22
Sept. 7		
SPA	eP	20 44 09
Sept. 8		
SPA	eP	00 24 29
Sept. 8		
SPA	eP	01 28 12
Sept. 8		
SPA	eP	02 42 19
Sept. 8		
BYR	eP	05 25 54
SPA	eP	05 26 44
Sept. 8		
BYR	eP	05 53 32
SPA	eP	05 53 37
	e	56 39
Sept. 8		
BYR	eP	06 11 26
SPA	eP	06 11 04
Sept. 8		
SPA	eP	06 38 01
Sept. 8		
BYR	eP	07 10 07
SPA	eP	07 10 45
Sept. 8		
SPA	eP	11 07 14
Sept. 8		
BYR	eP	11 21 26
	eP'	25 32
	ePKKP	37 45
	eP'P'	44 32
SPA	eP	11 21 07
	eP'	25 07
	e	27 28
	e	34 31
	ePKKP	37 54
	eP'P'	45 52
Sept. 8		
BYR	eP	12 43 16
SPA	eP	12 43 43
Sept. 8		
BYR	eP'	14 51 18
	i	51 29
	e	51 54
	eSKP	54 56

Date and Station	Phase	Phase (GCT)
		h m s
SPA	eP	14 51 26
	e	53 14
	eSKP	55 02
Sept. 8		
SPA	eP	17 15 31
Sept. 8		
BYR	iP	17 27 32
SPA	eP	17 27 12
	e	27 29
	e	30 06
Sept. 8		
BYR	eP	22 59 42
Sept. 8		
BYR	eP'	23 31 51
SPA	eP'	23 31 52
Sept. 9		
SPA	eP	01 40 07
Sept. 9		
SPA	eP	03 49 53
	e	50 40
Sept. 9		
BYR	eP	03 54 06
SPA	eP	03 52 57
	e	56 19
Sept. 9		
SPA	eP	04 05 09
Sept. 9		
SPA	eP	04 57 39
Sept. 9		
BYR	eP	08 28 23
SPA	eP	08 28 14
	e	28 44
Sept. 9		
BYR	eP'	10 24 20
	eSKP	27 34
	e	31 23
SPA	eP'	10 24 02
	e	31 55
Sept. 9		
BYR	eP	11 10 06
Sept. 9		
BYR	eP	14 18 01
SPA	eP	14 18 50
Sept. 9		
SPA	eP'	16 40 05

Date and Station	Phase	Phase (GCT) h m s
Sept. 9		
SPA	eP	17 39 06
	e	39 51
Sept. 9		
BYR	iP	17 54 53
	ePcP	56 54
SPA	iP	17 55 47
	ePcP	57 18
Sept. 9		
SPA	eP'	20 24 31
	e	25 22
Sept. 9		
BYR	e(P)	22 24 51
SPA	eP	22 25 03
	e	25 54
Sept. 10		
SPA	eP'	00 38 10
Sept. 10		
SPA	eP	01 05 02
Sept. 10		
SPA	eP	02 00 07
Sept. 10		
SPA	eP	04 45 53
Sept. 10		
BYR	eP	05 29 50
SPA	eP	05 30 26
Sept. 10		
SPA	eP	07 21 28
Sept. 10		
SPA	eP'	10 14 23
	e	15 46
Sept. 10		
BYR	eP	10 57 35
	epP	59 44
	ePKKP	11 13 56
SPA	eP	10 57 09
	epP	59 17
	esP	11 00 27
	ePP	00 56
	e	01 59
	eSKS	06 49
	e(S)	07 48
	e	08 48
	e	12 37
	ePKKP	14 33
	eP'P'	22 14
	e	43 30
Sept. 10		
SPA	eP	12 23 35
Sept. 10		
SPA	eP	12 52 55
	e	51 18
Sept. 10		
BYR	iP	14 11 11
	i	11 20

Date and Station	Phase	Phase (GCT) h m s
SPA	eP	14 12 02
Sept. 10		
BYR	eP	14 16 18
	e	16 30
SPA	eP	14 16 34
Sept. 10		
BYR	e(P)	14 21 58
SPA	eP	14 21 43
Sept. 10		
SPA	eP	14 31 34
Sept. 10		
SPA	eP	15 28 18
Sept. 10		
BYR	eP	17 30 59
SPA	eP	17 31 48
Sept. 10		
SPA	eP	23 13 02
Sept. 11		
BYR	eP	01 19 37
SPA	eP	01 18 49
Sept. 11		
SPA	eP	01 48 10
Sept. 11		
SPA	eP	04 48 46
Sept. 11		
BYR	eP	04 58 55
Sept. 11		
BYR	eP	07 17 42
Sept. 11		
BYR	iP	08 04 11
SPA	eP	08 05 02
	ePcP	06 15
Sept. 11		
BYR	eP	09 54 43
SPA	eP	09 53 30
	e	54 15
Sept. 11		
BYR	e(P)	11 00 52
SPA	eP	11 01 26
	e	01 37
Sept. 11		
SPA	eP	13 06 00
Sept. 11		
SPA	eP	14 09 24
Sept. 11		
BYR	eP	14 36 50

Date and Station	Phase	Phase (GCT) h m s
SPA	eP	14 36 59
Sept. 11		
BYR	eP	18 05 36
SPA	eP	18 06 14
Sept. 11		
SPA	eP	18 21 40
Sept. 11		
BYR	eP	22 02 30
SPA	eP	22 02 09
	e	03 02
	e	04 04
	e	05 11
Sept. 11		
BYR	eP	22 18 47
SPA	eP	22 18 47
	e	19 20
Sept. 11		
BYR	eP	22 40 19
SPA	eP	22 40 50
Sept. 11		
BYR	eP	23 27 41
SPA	eP	23 27 57
Sept. 12		
BYR	eP'	03 03 45
SPA	eP'	03 04 02
	i	04 10
Sept. 12		
BYR	eP	04 07 23
SPA	eP	04 08 05
	e	08 33
Sept. 12		
SPA	eP	06 20 15
Sept. 12		
BYR	eP	07 54 20
SPA	eP	07 55 11
Sept. 12		
SPA	eP	08 35 57
Sept. 12		
BYR	iP'	12 35 59
	ipP'	36 12
	ipP'	37 27
	ePKKP	46 05
	e	48 33
SPA	eP'	12 35 52
	ePPP	37 03
	e	41 42
	ePKKP	46 20
	e	49 38

Date and Station	Phase	Phase (GCT) h m s
Sept. 12		
BYR	e(P)	13 10 40
Sept. 12		
BYR	eP	13 47 23
SPA	eP	13 48 04
Sept. 12		
BYR	eP	14 08 38
SPA	eP	14 09 20
Sept. 12		
SPA	eP	14 59 18
Sept. 12		
BYR	iP	16 14 00
	epP	16 16
SPA	eP	16 13 32
	epP	15 37
	eS	22 57
Sept. 12		
SPA	eP	19 50 06
	e	52 35
Sept. 12		
BYR	e(P)	21 58 21
Sept. 12		
BYR	e(P)	22 02 09
Sept. 12		
SPA	eP	22 19 18
Sept. 12		
BYR	eP	22 47 11
SPA	eP	22 46 53
	e	47 22
Sept. 12		
SPA	eP	23 08 32
Sept. 12		
BYR	e(P)	23 21 09
SPA	eP	23 22 32
Sept. 13		
BYR	eP	00 51 18
	e	51 26
	e	51 48
SPA	eP	00 52 06
	e	52 15
	e(PP)	53 47
Sept. 13		
BYR	eP	01 02 46
Sept. 13		
SPA	eP	01 29 23
Sept. 13		
BYR	eP	03 26 56
	ePKKP	37 17

Date and Station	Phase (GCT)
	h m s
SPA eP	03 27 07
e(SKS)	33 47
ePKKP	37 33
eP'P'	45 52
Sept. 13	
SPA eP	05 57 15
Sept. 13	
SPA eP	09 59 19
Sept. 13	
SPA eP	11 47 00
Sept. 13	
BYR e(P)	11 58 38
SPA eP	11 59 07
Sept. 13	
SPA eP	16 44 10
Sept. 13	
BYR eP	17 01 51
SPA eP	17 00 44
Sept. 13	
BYR eP	18 04 23
Sept. 13	
SPA eP	19 57 55
Sept. 13	
BYR eP	20 12 34
SPA eP	20 12 20
Sept. 13	
SPA eP	21 01 39
Sept. 13	
BYR. eP	22 06 27
e	06 34
SPA eP	22 07 08
Sept. 14	
BYR eP	00 18 58
SPA eP	00 19 39
Sept. 14	
BYRe(P')	00 53 04
SPA e(P)	00 48 40
eP'	53 01
Sept. 14	
SPA eP	02 00 52
Sept. 14	
BYR eP	02 07 21
Sept. 14	
BYR iP	04 07 50
SPA eP	04 07 46

Date and Station	Phase (GCT)
	h m s
Sept. 14	
iP	05 05 29
e(PP)	07 29
SPA ip	05 06 43
e	07 15
Sept. 14	
SPA eP	05 38 46
Sept. 14	
BYR iP'	15 44 39
SPA eP'	15 45 18
Sept. 14	
BYR eP	16 11 29
e	11 38
SPA eP	16 11 33
Sept. 14	
SPA eP	16 34 48
Sept. 14	
BYR eP	17 09 47
SPA eP	17 09 51
Sept. 14	
BYR eP	17 24 09
SPA eP	17 24 13
Sept. 14	
BYR eP	23 29 09
SPA eP	23 29 45
Sept. 15	
BYR eP	01 36 45
Sept. 15	
BYR eP	02 42 14
SPA eP	02 43 07
Sept. 15	
BYR eP	03 42 32
SPA eP	03 42 48
e	43 17
Sept. 15	
BYR iP'	05 22 27
SPA eP'	05 22 14
Sept. 15	
SPA eP	10 49 54
Sept. 15	
SPA eP	11 52 30
Sept. 15	
BYR eP	12 07 39
SPA eP	12 07 39

Date and Station	Phase (GCT)
	h m s
Sept. 15	
BYR eP	13 02 13
SPA eP	13 03 04
Sept. 15	
SPA eP	15 16 35
Sept. 15	
SPA eP	16 29 40
Sept. 15	
BYR eP'	18 15 41
SPA eP'	18 15 38
e	17 38
e	26 34
ePKKP	26 44
e(SKKP)	30 17
Sept. 15	
SPA eP	20 07 12
Sept. 15	
SPA eP	21 59 09
Sept. 15	
SPA eP	22 59 33
Sept. 16	
SPA eP	00 15 44
Sept. 16	
SPA eP	03 20 40
Sept. 16	
SPA eP	06 21 00
Sept. 16	
BYR eP	10 38 49
Sept. 16	
SPA eP	11 11 15
Sept. 16	
SPA eP	17 44 42
Sept. 16	
BYR e(P)	19 20 16
SPA eP	19 20 30
Sept. 16	
BYR e(P)	19 40 53
Sept. 16	
BYR eP	21 41 33
SPA eP	21 42 09
epP	42 34
Sept. 17	
SPA eP	00 16 13
Sept. 17	
BYR eP	03 16 22
SPA eP	03 16 39

Date and Station	Phase (GCT)
	h m s
Sept. 17	
BYR eP	07 24 02
SPA eP	07 24 19
Sept. 17	
BYR eP'	08 12 02
i	12 15
e	16 07
Sept. 17	
BYR eP'	08 24 40
e	24 53
e	29 46
Sept. 17	
BYR eP	11 44 34
Sept. 17	
SPA eP	11 45 09
Sept. 17	
BYR iP	13 11 12
e	11 25
SPA eP	13 11 13
epP	11 42
Sept. 17	
BYR e(P)	15 24 47
Sept. 17	
BYR eP	16 07 04
SPA eP	16 07 02
Sept. 17	
BYR e(P)	19 19 38
SPA eP	19 20 28
Sept. 17	
BYR eP	20 06 42
SPA eP	20 07 18
e	07 43
Sept. 17	
BYR e(P)	20 35 22
SPA eP	20 35 18
Sept. 17	
BYR eP	21 55 14
Sept. 17	
BYR e(P)	23 10 37
Sept. 17	
SPA eP	23 11 25
Sept. 17	
BYR eP	23 26 22
SPA eP	23 27 12
Sept. 18	
SPA eP	02 28 34

Date and Station	Phase (GCT)
	h m s
Sept. 18	
BYR eP	04 13 37
SPA eP	04 14 29
Sept. 18	
BYR eP	08 28 45
SPA eP	08 28 35
Sept. 18	
BYR eP	09 53 07
e	53 45
eS	10 03 33
SPA iP	09 52 48
e	53 30
e	55 38
e(S)	10 02 50
Sept. 18	
SPA eP	15 52 30
Sept. 18	
SPA eP	17 31 26
Sept. 18	
BYR eP'	19 45 37
SPA eP'	19 45 47
Sept. 19	
SPA eP	01 04 15
Sept. 19	
BYR iP	02 12 17
SPA iP	02 12 53
Sept. 19	
BYR eP	02 39 22
SPA eP	02 40 13
Sept. 13	
BYR eP'	03 58 10
e	04 01 13
SPA eP'	03 57 58
e	04 05 02
Sept. 19	
BYR eP	08 12 08
Sept. 19	
BYR eP	12 49 56
SPA eP	12 50 23
Sept. 19	
BYR eP	15 44 55
SPA eP	15 45 11
Sept. 19	
BYR eP	16 57 29
SPA eP	16 57 44

Date and Station	Phase (GCT)
	h m s
Sept. 19	
SPA eP	17 24 41
Sept. 19	
BYR e(P)	19 04 52
Sept. 19	
BYR eP	19 11 25
Sept. 19	
BYR eP	19 14 20
e	14 59
SPA eP	19 14 12
e	14 55
e	16 59
e	26 06
ePKKP	31 38
Sept. 19	
BYR iP	20 29 10
SPA eP	20 28 55
Sept. 19	
BYR e(P)	22 07 02
Sept. 20	
BYR eP	00 51 11
e	51 21
SPA eP	00 51 45
e	51 56
Sept. 20	
SPA eP	02 49 55
Sept. 20	
BYR iP	03 13 35
SPA iP	03 14 05
epP	14 50
esP	15 09
eScP	18 43
eScS	23 28
Sept. 20	
BYR eP	03 33 00
Sept. 20	
BYR eP	03 45 17
SPA eP	03 45 51
e	46 10
Sept. 20	
BYR eP	04 19 53
SPA eP	04 19 40
e	20 51
Sept. 20	
BYR eP'	04 25 42
Sept. 20	
SPA eP'	04 25 11

Date and Station	Phase (GCT)
	h m s
Sept. 20	
BYR eP	05 35 20
Sept. 20	
SPA eP	05 56 41
Sept. 20	
SPA eP	06 13 10
Sept. 20	
BYR eP	06 19 48
Sept. 20	
BYR e(P')	10 03 27
Sept. 20	
BYR eP	11 55 06
SPA eP	11 56 00
Sept. 20	
SPA eP	14 03 01
Sept. 20	
BYR eP	16 48 04
Sept. 20	
BYR eP	18 24 29
SPA eP	18 24 51
Sept. 20	
SPA eP	20 29 03
Sept. 21	
BYR eP	03 00 57
SPA eP	03 00 55
Sept. 21	
BYR eP	03 58 34
Sept. 21	
BYR eP	07 34 51
SPA eP	07 35 23
epP	36 25
Sept. 21	
BYR eP	08 03 02
SPA eP	08 03 36
Sept. 21	
BYR eP	09 43 10
Sept. 21	
BYR eP	10 57 49
SPA eP	10 58 02
Sept. 21	
BYR eP	12 54 01
SPA eP	12 54 39
Sept. 21	
BYR eP'	16 26 44

Date and Station	Phase (GCT)
	h m s
SPA eP'	16 26 36
ePP	27 45
Sept. 21	
BYR eP	16 36 52
SPA eP	16 37 10
Sept. 21	
BYR eP	23 24 16
SPA eP	23 23 55
Sept. 21	
BYR eP	23 28 40
SPA eP	23 28 43
Sept. 22	
BYR eP'	02 27 39
SPA eP'	02 27 39
e	27 50
Sept. 22	
BYR eP	05 51 38
e(PP)	55 33
SPA eP	05 50 57
e	52 38
ePP	54 13
Sept. 22	
SPA eP	08 58 48
Sept. 22	
BYR eP	09 28 19
e(PP)	32 16
SPA eP	09 27 32
ePP	30 53
Sept. 22	
BYR eP	09 19 02
e	21 27
SPA eP	09 18 18
e	20 45
Sept. 22	
SPA eP	09 53 43
Sept. 22	
SPA eP	10 00 07
Sept. 22	
SPA eP	10 33 13
Sept. 22	
SPA eP	11 13 01
e	17 11
Sept. 22	
BYR iP	12 10 24
SPA eP	12 11 45
Sept. 22	
BYR eP	13 10 39

Date and Station	Phase (GCT)
	h m s
Sept. 22	
BYR eP	15 11 29
SPA eP	15 11 45
Sept. 22	
BYR eP	15 24 40
SPA e(P)	15 25 29
i	26 47
Sept. 22	
BYR eP'	15 52 11
Sept. 22	
BYR eP	22 14 31
SPA eP	22 14 18
Sept. 22	
BYR eP	22 32 00
SPA eP	22 32 22
Sept. 22	
BYR eP'	23 06 16
SPA eP'	23 06 24
Sept. 23	
BYR eP	01 30 03
Sept. 23	
BYR iP	01 47 45
SPA eP	01 48 35
Sept. 23	
BYR eP	02 57 39
SPA eP	02 57 39
Sept. 23	
BYR iP	03 09 35
SPA eP	03 10 26
e	14 27
Sept. 23	
BYR eP	06 22 20
SPA eP	06 22 54
Sept. 23	
SPA eP	11 12 31
Sept. 23	
BYR eP	11 15 38
Sept. 23	
BYR eP	13 06 18
SPA eP	13 07 13
Sept. 23	
SPA eP	14 30 21
Sept. 23	
SPA eP	15 54 29

Date and Station	Phase (GCT)
	h m s
Sept. 23	
BYR iP	16 05 22
SPA iP	16 05 51
Sept. 23	
SPA eP	16 49 46
e	51 07
Sept. 23	
SPA eP	17 02 29
Sept. 23	
SPA eP	17 25 31
Sept. 23	
BYR e(P)	17 51 39
Sept. 23	
SPA eP	18 54 56
Sept. 23	
BYR eP	21 32 31
SPA eP	21 32 28
Sept. 23	
BYR eP	23 12 48
SPA eP	23 13 23
e	19 55
Sept. 23	
BYR iP	23 26 06
ipP	26 33
isP	26 45
SPA eP	23 26 48
esP	27 23
Sept. 24	
BYR eP	04 02 04
Sept. 24	
BYR eP	08 56 31
Sept. 24	
BYR eP	09 27 04
SPA eP	09 27 15
Sept. 24	
BYR eP	09 42 07
SPA eP	09 41 48
Sept. 24	
BYR iP	11 14 45
SPA eP	11 15 21
Sept. 24	
SPA eP	13 16 35
Sept. 24	
BYR iP	14 03 12
SPA eP	14 03 27
e	03 55

Date and Station	Phase (GCT)
	h m s
Sept. 24	
BYR iP	14 10 28
ipP	11 03
SPA eP	14 11 06
epP	11 35
Sept. 24	
BYR eP	14 27 58
SPA eP	14 28 27
Sept. 24	
BYR e(P)	16 43 04
Sept. 24	
BYR e(P)	16 55 35
Sept. 24	
BYR e(P)	23 11 52
Sept. 25	
BYR eP	02 48 42
SPA eP	02 49 10
Sept. 25	
BYR eP'	03 16 26
SPA eP'	03 16 10
Sept. 25	
SPA eP	03 42 24
Sept. 25	
BYR eP	03 52 32
Sept. 25	
BYR eP	09 16 04
Sept. 25	
BYR eP	09 44 52
Sept. 25	
SPA eP	14 17 58
Sept. 25	
BYR eP	15 50 12
SPA eP	15 50 44
e	51 34
Sept. 25	
BYR e(P)	17 17 11
SPA eP	17 17 13
Sept. 25	
BYR eP'	17 48 36
SPA eP'	17 48 34
Sept. 25	
SPA eP	17 58 44
Sept. 25	
BYR iP'	18 51 56
e	52 26
SPA eP'	18 52 36

Date and Station	Phase (GCT)
	h m s
Sept. 25	
SPA eP	19 54 08
Sept. 25	
SPA iP	23 03 47
i	11 04
Sept. 26	
BYR iP	00 41 51
epP	42 21
isP	42 33
SPA iP	00 42 31
epP	43 02
esP	43 15
Sept. 26	
SPA eP	03 42 06
Sept. 26	
SPA eP	06 26 52
Sept. 26	
SPA eP'	09 09 14
Sept. 26	
SPA eP	09 48 38
Sept. 26	
BYR eP'	11 55 23
e	55 44
SPA eP'	11 55 39
Sept. 26	
BYR eP'	15 32 39
SPA eP'	15 32 48
e	32 59
Sept. 26	
BYR iP	17 09 03
e	09 45
SPA iP	17 09 42
e	10 49
Sept. 26	
SPA eP	17 14 42
Sept. 26	
BYR eP	17 37 20
Sept. 26	
SPA eP	17 43 27
Sept. 26	
SPA eP	19 51 29
Sept. 26	
BYR iP	21 21 18
SPA eP	21 21 54
e	22 24
Sept. 26	
SPA eP	22 55 04

Date and Station	Phase (GCT)
	h m s
Sept. 26	
SPA eP	23 51 27
Sept. 27	
SPA eP	00 09 32
Sept. 27	
BYR iP	02 21 16
SPA eP	02 22 08
Sept. 27	
BYR eP	03 47 07
e	49 24
SPA eP	03 47 16
e	49 30
Sept. 27	
BYR eP	05 43 55
Sept. 27	
BYR eP	06 10 42
ePP	14 06
SPA eP	06 10 46
e	11 48
ePP	14 20
eSKKP	22 44
e	23 28
Sept. 27	
BYR iP	07 30 58
e	31 08
SPA eP	07 30 43
Sept. 27	
SPA eP	08 30 38
Sept. 27	
SPA eP	11 19 35
Sept. 27	
SPA eP	11 24 47
Sept. 27	
BYR eP'	16 25 03
Sept. 27	
BYR iP	18 09 31
SPA eP	18 10 11
Sept. 27	
BYR eP'	18 54 08
SPA eP'	18 54 00
epP'	54 33
Sept. 28	
BYR iP	00 16 13
i	16 27
SPA eP	00 16 54
Sept. 28	
BYR iP	02 25 02

Date and Station	Phase (GCT)
	h m s
SPA eP	02 25 54
e	27 24
Sept. 28	
BYR eP	04 12 32
Sept. 28	
BYR eP'	05 48 44
e	52 08
SPA eP'	05 48 29
Sept. 28	
BYR e(P)	07 39 42
Sept. 28	
BYR eP	08 12 45
SPA eP	08 13 34
Sept. 28	
BYR iP	09 09 52
SPA iP	09 09 34
e	12 26
Sept. 28	
SPA eP	16 33 11
Sept. 28	
SPA eP	17 19 09
Sept. 28	
BYR iP	17 44 53
SPA eP	17 45 21
epP	47 22
Sept. 28	
BYR eP	19 23 18
SPA eP	19 23 00
Sept. 28	
BYR eP	20 04 06
Sept. 28	
SPA eP	20 24 37
e	24 48
Sept. 28	
BYR eP	20 59 49
SPA eP	21 00 30
e	00 39
Sept. 28	
BYR eP	21 42 35
SPA eP	21 43 26
Sept. 28	
BYR eP	22 32 41
SPA eP	22 33 37
Sept. 28	
BYR eP	22 51 53

Date and Station	Phase (GCT)
	h m s
SPA eP	23 07 24
e	08 18
Sept. 29	
BYR eP	03 18 11
SPA eP	03 19 18
Sept. 29	
BYR iP	06 38 40
SPA iP	06 39 18
e	39 50
Sept. 29	
SPA eP	06 59 52
Sept. 29	
BYR e(P)	07 07 01
SPA eP	07 06 49
Sept. 29	
SPA eP	08 17 56
Sept. 29	
BYR e(P)	09 37 16
SPA eP	09 37 44
epP	39 17
Sept. 29	
BYR eP	10 37 23
e	37 54
Sept. 29	
BYR eP	11 32 41
eP'	36 37
i	39 34
eSKS	42 34
ePKKP	47 45
SPA eP	11 32 33
eP'	36 34
ePP	37 14
eSKS	42 29
e	43 25
ePKKP	47 41
e	51 52
e	55 33
Sept. 29	
BYR eP	12 14 55
Sept. 29	
BYR eP	12 29 58
Sept. 29	
SPA eP	12 38 16
Sept. 29	
BYR e(P)	12 49 13
SPA eP	12 48 57
Sept. 29	
SPA eP	13 24 59

Date and Station	Phase (GCT)
	h m s
SPA eP	14 40 19
e	41 56
Sept. 29	
SPA eP	16 36 01
e	37 53
Sept. 29	
SPA eP	20 58 22
Sept. 29	
SPA eP	21 34 56
Sept. 29	
BYR eP	21 50 19
SPA eP	21 51 03
Sept. 29	
BYR iP	22 21 14.8
e	21 42
SPA eP	22 21 06
e	21 11
Sept. 29	
SPA eP	22 52 02
Sept. 29	
BYR eP	23 11 24
SPA eP	23 12 18
Sept. 30	
BYR e(P)	01 37 16
Sept. 30	
BYR eP	01 48 15
SPA e(P)	01 48 49
Sept. 30	
BYR eP	03 29 49
Sept. 30	
SPA eP	05 53 33
Sept. 30	
SPA eP'	06 54 41
Sept. 30	
BYR eP	07 44 56
SPA eP	07 45 47
e	46 16
Sept. 30	
BYR eP	08 33 42
Sept. 30	
SPA eP	09 33 57
Sept. 30	
BYR eP	12 29 26
SPA eP	12 30 33

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
Sept. 30 BYR eP	13 25 20						
Sept. 30 BYR eP	14 53 00						
SPA eP	14 53 49						
e	56 51						
Sept. 30 SPA eP	18 35 16						
Sept. 30 BYR eP	21 16 18						
SPA eP	21 16 29						

SEISMOLOGICAL BULLETIN

SOUTH POLE – BYRD SUPPLEMENT

OCTOBER - DECEMBER, 1960

MSI – 238A

CONTENTS

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COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Director

FOR OFFICIAL DISTRIBUTION

SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

October-December 1960

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) In Charge: W. S. Jacobs	90°S.	0°	1995 meters of ice	2800 meters	Benioff Paper Wilson-Lamison (120°E. 60°W.)	Z	1.6	0.5	60mm/min.
					Horizontal Film.		5.6	0.48	15mm/min.
Byrd (BYR) In Charge: L.E. Davis	80°01'S.	119°31'W.	2570 meters of ice	1515 meters	Benioff Wilson-Lamison	Z	1.2	0.5	60mm/min.
					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.

Date and Station	Phase	(GCT)
		h m s
Oct. 1		
BYR	e(P)	02 44 41
Oct. 2		
BYR	eP	02 58 28
SPA	eP	02 57 47
Oct. 1		
BYR	iP'	03 19 39
	e	20 11
	ePKKP	29 41
SPA	iP	03 19 21
	ESKS	25 51
Oct. 1		
BYR	e(P')	05 50 04
SPA	eP'	05 49 35
	e	49 53
Oct. 1		
SPA	eP	06 50 03
Oct. 1		
BYR	eP	08 30 07
Oct. 1		
BYR	eP	08 36 18
SPA	eP	08 36 36
Oct. 1		
BYR	iP	09 39 18
SPA	eP	09 39 56
Oct. 1		
SPA	eP	10 51 49
Oct. 1		
BYR	iP	11 56 33
	epP	56 51
SPA	eP	11 56 34
	epP	56 53
Oct. 1		
SPA	eP	16 11 37
Oct. 1		
BYR	eP'	16 29 43
	e	33 29
	e(SKKP)	42 17
SPA	eP'	16 30 15
	e	30 29
	ePP	33 20
	e	38 33
	e(SKKP)	41 52
Oct. 1		
BYR	e(P)	18 58 58
Oct. 1		
BYR	e(P)	19 28 49

Date and Station	Phase	(GCT)
		h m s
Oct. 1		
BYR	e(P)	22 00 39
Oct. 1		
SPA	eP	22 25 57
Oct. 1		
BYR	eP	24 08 17
	e	08 44
SPA	eP	24 08 26
Oct. 2		
BYR	eP	00 53 38
Oct. 2		
SPA	eP	02 12 31
Oct. 2		
BYR	eP	02 20 10
SPA	eP	02 21 25
Oct. 2		
BYR	eP'	02 57 21
Oct. 2		
BYR	iP	04 44 08
	iPP	45 05
	iPcP	46 58
SPA	eP	04 43 47
	e	44 26
	eL	49 44
Oct. 2		
SPA	eP	06 12 35
Oct. 2		
BYR	eP	07 16 07
SPA	eP	07 17 16
Oct. 2		
BYR	eP	07 40 18
Oct. 2		
BYR	eP	10 30 33
SPA	eP	10 30 50
Oct. 2		
BYR	eP	12 01 34
	ePP	03 20
	e	04 38
	e	08 47
	e	14 08
SPA	eP	12 02 44
	e	06 31
Oct. 2		
SPA	eP	16 06 49
Oct. 2		
BYR	eP	16 45 41
SPA	eP	16 45 22

Date and Station	Phase	(GCT)
		h m s
Oct. 2		
BYR	eP'	18 26 48
	ePKKP	37 16
SPA	eP'	18 26 06
	e	27 25
	ePKKP	37 57
Oct. 2		
BYR	e(P)	19 43 37
Oct. 2		
BYR	eP	19 48 30
Oct. 2		
BYR	eP	20 22 06
SPA	eP	20 22 39
Oct. 2		
BYR	eP	22 31 15
SPA	eP	22 32 05
Oct. 2		
BYR	iP	22 45 12
SPA	eP	22 46 03
Oct. 3		
BYR	eP'	01 08 26
SPA	eP'	01 08 03
Oct. 3		
BYR	eP'	02 52 28
Oct. 3		
SPA	eP	05 17 15
Oct. 3		
BYR	iP	05 18 49
	ipP	19 02
	i	19 43
SPA	eP	05 19 41
	epP	20 55
	eP'P'	50 18
Oct. 3		
BYR	eP	10 25 02
SPA	eP	10 24 51
	e	26 22
	e	27 08
Oct. 3		
SPA	eP	11 58 42
Oct. 3		
BYR	eP	17 23 10
SPA	eP	17 23 09
Oct. 3		
SPA	eP	19 04 46
Oct. 3		
BYR	eP	19 29 14

Date and Station	Phase	(GCT)
		h m s
SPA	eP	19 29 38
Oct. 3		
BYR	eP	20 03 29
	i	03 40
SPA	eP	20 03 18
	e	03 29
	e	04 04
	eP'P'	29 21
Oct. 3		
BYR	eP	22 13 29
SPA	eP	22 13 39
Oct. 3		
BYR	eP	22 21 02
SPA	eP	22 21 25
Oct. 3		
BYR	eP	22 44 05
Oct. 4		
BYR	eP	01 00 32
SPA	eP	01 00 48
Oct. 4		
BYR	eP	02 49 55
Oct. 4		
BYR	eP	03 12 50
Oct. 4		
SPA	eP	03 18 20
Oct. 4		
BYR	eP	03 23 49
SPA	eP	03 24 38
Oct. 4		
BYR	eP	05 03 15
SPA	eP	05 03 45
Oct. 4		
SPA	eP	05 21 10
	e	28 18
Oct. 4		
BYR	eP	05 40 12
SPA	eP	05 40 50
Oct. 4		
BYR	e(P)	06 20 43
Oct. 4		
BYR	eP	08 30 04
	e	30 14
Oct. 4		
BYR	eP	09 11 46
SPA	eP	09 12 09

B-4297-4

Date and Station	Phase	Phase (GCT)
		h m s
Oct. 4		
BYR	eP	10 03 26
	e	11 45
SPA	eP	10 03 29
	e	03 53
	e	11 13
Oct. 4		
BYR	eP	10 46 58
Oct. 4		
BYR	e(P)	12 17 50
Oct. 4		
BYR	eP	13 47 49
Oct. 4		
BYR	eP	18 13 24
SPA	eP	18 13 50
Oct. 5		
BYR	eP	00 54 07
Oct. 5		
BYR	eP	01 37 57
SPA	eP	01 38 32
Oct. 5		
BYR	eP	04 19 13
Oct. 5		
SPA	eP	06 58 53
Oct. 5		
BYR	eP	10 11 17
Oct. 5		
BYR	eP	10 35 35
SPA	eP	10 36 05
Oct. 5		
SPA	eP	15 51 58
Oct. 5		
BYR	eP	16 17 44
Oct. 5		
SPA	eP	17 38 34
Oct. 5		
BYR	eP	21 18 05
Oct. 6		
SPA	eP	04 50 26
Oct. 6		
BYR	iP	06 17 27
SPA	iP	06 17 58
Oct. 6		
SPA	eP	07 23 58
Oct. 6		
BYR	eP	08 12 57

Date and Station	Phase	Phase (GCT)
		h m s
Oct. 6		
SPA	eP	08 32 27
Oct. 6		
BYR	eP	13 35 31
Oct. 6		
BYR	eP	13 48 36
SPA	eP	13 49 56
	e	50 39
	e	53 10
Oct. 6		
BYR	eP	14 28 18
Oct. 6		
BYR	eP	16 24 51
	ePcP	26 32
SPA	eP	16 25 43
Oct. 6		
BYR	eP'	16 38 56
SPA	eP'	16 38 45
Oct. 6		
SPA	eP	16 56 17
Oct. 6		
BYR	eP	16 58 03
SPA	eP	16 57 28
Oct. 6		
BYR	e(P)	17 24 18
SPA	eP	17 24 03
Oct. 6		
BYR	eP	17 41 50
SPA	eP	17 41 40
Oct. 6		
BYR	eP	18 51 47
SPA	eP	18 52 38
Oct. 6		
BYR	eP	19 36 05
	e	36 32
SPA	eP	19 36 45
Oct. 6		
BYR	eP	20 15 17
	i	18 05
	e	26 22
	e(P'P')	34 29
SPA	eP	20 15 21
	e	18 09
	eSKKP	27 15
Oct. 6		
BYR	eP	20 44 50

Date and Station	Phase	Phase (GCT)
		h m s
Oct. 6		
BYR	eP	20 47 32
Oct. 6		
BYR	eP	21 04 17
	e	05 39
Oct. 6		
SPA	eP	21 14 10
Oct. 6		
BYR	eP	21 20 37
Oct. 6		
SPA	eP	22 06 33
Oct. 6		
BYR	eP	22 16 50
Oct. 6		
BYR	eP	23 22 02
Oct. 6		
BYR	eP	23 27 39
Oct. 7		
BYR	eP	03 27 58
Oct. 7		
BYR	eP	03 33 11
SPA	eP	03 33 15
Oct. 7		
BYR	eP'	03 35 10
SPA	eP'	03 35 16
Oct. 7		
BYR	eP	04 25 34
Oct. 7		
SPA	eP	07 17 25
Oct. 7		
BYR	eP	11 18 55
SPA	eP	11 19 26
Oct. 7		
BYR	eP	13 25 18
SPA	eP	13 26 10
Oct. 7		
BYR	eP	14 28 58
SPA	eP	14 29 34
Oct. 7		
BYR	eP	15 31 18
	ePP	34 29
	eS	41 30
	eP'P'	57 17
SPA	eP	15 30 51
	es	41 01
	ePKKP	48 51

Date and Station	Phase	Phase (GCT)
		h m s
Oct. 7		
BYR	eP	16 17 56
Oct. 7		
SPA	eP	16 47 42
Oct. 7		
BYR	e(P)	19 20 30
Oct. 7		
BYR	eP	19 56 54
SPA	eP	19 55 48
Oct. 7		
BYR	eP	20 11 19
SPA	eP	20 12 24
Oct. 7		
BYR	eP	20 57 10
	e	57 24
Oct. 7		
BYR	eP	22 50 52
Oct. 7		
BYR	eP	23 56 37
Oct. 8		
BYR	eP	02 05 22
Oct. 8		
BYR	iP	03 48 32
	e	48 57
SPA	eP	03 49 12
Oct. 8		
SPA	eP'	06 10 49
Oct. 8		
BYR	eP'	06 10 55
	epP'	13 40
Oct. 8		
BYR	eP	08 49 00
	e	51 31
	e	52 04
Oct. 8		
BYR	eP	09 27 06
SPA	eP	09 27 40
Oct. 8		
BYR	eP	09 30 57
SPA	eP	09 31 34
Oct. 8		
SPA	eP	11 24 39
Oct. 8		
SPA	eP	12 03 10
	e	07 28
Oct. 8		
SPA	eP	15 09 36

Date and Station	Phase	Phase (GCT) h m s
Oct. 8		
BYR	eP	16 14 40
SPA	eP	16 15 58
Oct. 8		
BYR	eP	17 42 40
SPA	eP	17 43 10
Oct. 8		
SPA	eP	18 10 47
Oct. 8		
BYR	eP	19 31 07
SPA	eP	19 31 37
Oct. 8		
BYR	eP	20 54 21
SPA	eP	20 53 41
Oct. 9		
BYR	eP	03 53 35
SPA	eP	03 54 05
Oct. 9		
BYR	eP	04 56 18
SPA	eP	04 56 54
Oct. 9		
BYR	eP'	09 19 22
	i	19 43
	e	20 07
	iSKP	22 58
SPA	eP'	09 19 22
	e	19 38
	eSKP	22 54
	e	28 28
Oct. 9		
SPA	eP	09 54 37
Oct. 9		
BYR	iP	10 02 17
	ipP	02 46
SPA	iP	10 02 52
	ePP	05 36
	e	13 27
Oct. 9		
BYR	eP	12 58 13
Oct. 9		
BYR	eP	13 28 02
SPA	eP	13 27 50
Oct. 9		
BYR	eP	15 21 46
SPA	eP	15 22 39
Oct. 9		
SPA	eP	17 28 57

Date and Station	Phase	Phase (GCT) h m s
Oct. 9		
SPA	eP	18 01 19
Oct. 10		
BYR	eP	00 44 19
Oct. 10		
BYR	eP	01 35 46
Oct. 10		
BYR	eP	04 52 17
Oct. 10		
SPA	eP	07 29 21
Oct. 10		
SPA	eP	10 26 19
Oct. 10		
BYR	eP	11 03 13
SPA	eP	11 02 54
Oct. 10		
BYR	eP	14 27 08
Oct. 10		
BYR	eP	15 05 53
SPA	eP	15 05 53
Oct. 10		
SPA	eP	15 48 45
Oct. 10		
BYR	eP	16 35 13
	e	35 38
SPA	eP	16 35 18
Oct. 10		
SPA	eP	18 51 29
Oct. 10		
SPA	eP	20 28 45
Oct. 10		
SPA	eP	20 52 52
Oct. 10		
BYR	eP	21 57 36
Oct. 10		
BYR	eP	23 37 04
SPA	eP	23 37 52
Oct. 11		
BYR	eP	04 57 43
Oct. 11		
BYR	eP	07 44 59
SPA	eP	07 44 41
Oct. 11		
SPA	eP'	08 24 35

Date and Station	Phase	Phase (GCT) h m s
Oct. 11		
BYR	eP	09 40 48
	e	41 44
	e	43 34
SPA	eP	09 40 29
Oct. 11		
BYR	eP	10 01 00
	e	01 59
SPA	eP	10 00 41
Oct. 11		
SPA	eP	11 04 58
Oct. 11		
BYR	eP	11 26 13
Oct. 11		
BYR	eP	12 45 48
	e	46 50
SPA	eP	12 45 29
	e	46 14
Oct. 11		
BYR	iP	16 19 30
SPA	eP	16 19 13
Oct. 11		
BYR	eP	16 41 36
SPA	eP	16 41 18
Oct. 11		
BYR	eP	18 39 00
SPA	eP	18 38 04
Oct. 11		
BYR	eP	20 59 05
Oct. 11		
BYR	eP	21 59 37
Oct. 12		
BYR	eP'	00 41 07
Oct. 12		
BYR	eP	02 18 51
SPA	eP	02 18 23
Oct. 12		
BYR	e(P)	02 34 11
SPA	e(P)	02 33 23
Oct. 12		
SPA	eP	07 28 16
Oct. 12		
BYR	eP	09 22 23
SPA	eP	09 22 59
Oct. 12		
SPA	eP	09 57 37

Date and Station	Phase	Phase (GCT) h m s
Oct. 12		
SPA	eP	10 08 56
Oct. 12		
SPA	eP	11 24 33
Oct. 12		
SPA	eP	12 05 28
Oct. 12		
BYR	e(P)	17 25 11
SPA	eP	17 24 49
Oct. 12		
BYR	eP	17 51 44
SPA	eP	17 51 23
Oct. 12		
BYR	iP	18 42 00
	epP	42 17
SPA	eP	18 41 57
	epP	42 11
Oct. 12		
BYR	eP	19 34 56
Oct. 12		
BYR	eP	21 12 02
SPA	eP	21 10 49
Oct. 12		
BYR	eP	23 02 51
SPA	eP	23 02 54
Oct. 13		
BYR	eP	00 28 23
SPA	eP	00 29 38
Oct. 13		
BYR	eP	01 11 31
SPA	eP	01 11 21
Oct. 13		
BYR	eP'	02 40 39
Oct. 13		
BYR	eP	06 09 30
	e	13 12
SPA	eP	06 08 17
	eS	13 41
Oct. 13		
BYR	eP	06 34 11
SPA	eP	06 34 41
Oct. 13		
BYR	eP	09 30 00
Oct. 13		
BYR	eP	10 48 23

B-4297-4

Date and Station	Phase	Phase (GCT) h m s
Oct. 13		
BYR	eP	14 26 11
Oct. 13		
BYR	eP'	15 11 57
SPA	eP'	15 12 05
	eSKP	15 40
	e	18 09
	eSKKP	23 49
Oct. 13		
BYR	e(P)	16 03 05
Oct. 13		
BYR	eP	17 31 23
Oct. 13		
BYR	eP	18 52 48
	epP	53 33
SPA	eP	18 52 51
	epP	53 34
Oct. 13		
BYR	eP	21 03 56
Oct. 14		
BYR	eP	01 05 16
SPA	eP	01 06 30
Oct. 14		
SPA	eP	01 11 53
Oct. 14		
BYR	eP	01 37 31
SPA	eP	01 38 02
Oct. 14		
BYR	eP	01 50 15
Oct. 14		
BYR	eP'	11 52 27
	eSKS	59 16
SPA	eP'	11 52 35
Oct. 14		
BYR	eP	12 29 21
SPA	eP	12 28 53
Oct. 14		
BYR	eP'	13 31 28
SPA	eP'	13 31 48
	e	31 56
Oct. 14		
SPA	eP	14 22 00
Oct. 14		
BYR	eP	15 42 12
	ePP	46 12
SPA	eP	15 41 59
	eScS	52 17

Date and Station	Phase	Phase (GCT) h m s
Oct. 14		
BYR	eP	17 56 50
SPA	eP	17 57 39
Oct. 14		
SPA	e	19 45 24
Oct. 14		
BYR	eP	19 45 12
SPA	eP	19 45 24
Oct. 14		
BYR	eP	21 38 12
	e	38 30
	ePP	41 01
	eSKP	42 00
	e	50 44
SPA	eP	21 38 32
	e	39 41
	eSKP	42 16
	e	50 06
Oct. 14		
BYR	eP'	23 15 11
SPA	eP'	23 15 16
Oct. 14		
BYR	eP	23 22 45
	e	23 10
SPA	eP	23 23 12
Oct. 15		
BYR	eP	00 22 35
Oct. 15		
BYR	eP'	02 13 39
SPA	eP'	02 13 44
Oct. 15		
SPA	eP	02 47 55
Oct. 15		
BYR	eP	03 05 25
SPA	eP	03 05 38
Oct. 15		
BYR	eP	05 56 32
SPA	eP	05 57 17
Oct. 15		
BYR	e(P)	06 55 26
SPA	eP	06 55 33
Oct. 15		
SPA	eP	08 12 04
Oct. 15		
BYR	eP'	11 48 41
SPA	eP'	11 48 35

Date and Station	Phase	Phase (GCT) h m s
Oct. 15		
BYR	eP	12 23 44
SPA	eP	12 23 50
	e(pP)	25 18
Oct. 15		
SPA	eP	14 20 24
Oct. 15		
SPA	eP	14 28 10
Oct. 15		
BYR	eP	14 40 49
Oct. 15		
BYR	eP	16 47 21
Oct. 15		
SPA	eP	22 38 54
Oct. 16		
SPA	eP	04 12 25
Oct. 16		
BYR	iP	05 03 33
SPA	eP	05 03 46
	i	04 02
Oct. 16		
BYR	eP	06 26 30
SPA	eP	06 26 28
Oct. 16		
SPA	eP	07 25 21
Oct. 16		
BYR	eP	09 47 51
Oct. 16		
BYR	eP	10 10 17
Oct. 16		
SPA	eP	12 30 17
Oct. 16		
BYR	iP	13 25 52
	e	26 20
	e	31 19
SPA	eP	13 26 29
Oct. 16		
BYR	eP	13 36 40
SPA	eP	13 37 09
	ePP	38 24
Oct. 16		
BYR	eP	18 09 35
	e	12 35
SPA	eP	18 10 15
	e	13 12
Oct. 16		
SPA	eP	19 23 35

Date and Station	Phase	Phase (GCT) h m s
Oct. 16		
BYR	eP	21 54 37
Oct. 16		
SPA	eP	23 14 32
Oct. 17		
SPA	eP	04 08 40
Oct. 17		
SPA	eP	05 44 48
Oct. 17		
BYR	eP	06 22 49
SPA	eP	06 22 32
Oct. 17		
SPA	eP	07 28 05
Oct. 17		
BYR	eP	07 31 37
Oct. 17		
SPA	eP	08 12 11
Oct. 17		
BYR	eP	08 59 20
SPA	eP	08 59 03
Oct. 17		
BYR	eP	10 13 33
SPA	iP	10 14 02
Oct. 17		
BYR	eP	13 44 25
	e	44 57
	e(PcP)	46 19
SPA	eP	13 45 31
	ePcP	46 49
Oct. 17		
BYR	eP	13 55 40
SPA	eP	13 56 21
Oct. 17		
BYR	eP	15 58 20
SPA	eP	15 58 55
	ePKKP	16 15 48
Oct. 17		
BYR	eP	16 08 57
SPA	eP	16 09 32
Oct. 17		
BYR	eP	19 15 49
Oct. 17		
BYR	eP'	19 30 38
Oct. 17		
BYR	eP	22 28 53
	e	30 00

Date and Station		Phase (GCT)
		h m s
SPA	eP	22 29 57
Oct. 17		
BYR	eP	22 43 35
SPA	eP	22 44 06
Oct. 17		
BYR	eP	23 00 02
Oct. 18		
BYR	eP	00 10 10
SPA	eP	00 10 37
Oct. 18		
BYR	eP'	00 41 06
	eSKP	44 46
SPA	eP'	00 41 12
	eSKP	44 52
Oct. 18		
BYR	eP	03 43 22
SPA	eP	03 44 15
Oct. 18		
SPA	eP	05 03 10
Oct. 18		
BYR	eP	05 53 21
Oct. 18		
BYR	eP	06 23 19
Oct. 18		
BYR	eP	09 29 28
SPA	eP	09 30 08
Oct. 18		
BYR	eP'	10 46 13
Oct. 18		
BYR	eP	11 03 12
Oct. 18		
BYR	eP	12 20 40
Oct. 18		
BYR	eP	12 45 57
Oct. 18		
BYR	eP	14 14 05
SPA	eP	14 14 29
Oct. 18		
BYR	eP	20 34 02
Oct. 18		
BYR	eP	23 06 41
Oct. 18		
BYR	eP	23 15 30
SPA	eP	23 15 40

Date and Station		Phase (GCT)
Oct. 19		h m s
SPA	eP	00 02 23
Oct. 19		
BYR	eP	02 11 31
SPA	eP	02 11 46
Oct. 19		
BYR	eP'	06 48 25
SPA	eP'	06 48 19
Oct. 19		
BYR	eP	07 18 48
SPA	eP	07 19 19
	epP	21 22
Oct. 19		
BYR	eP	10 37 23
SPA	eP	10 38 47
Oct. 19		
BYR	eP	11 13 13
SPA	eP	11 12 54
Oct. 19		
SPA	eP	11 47 24
Oct. 19		
SPA	eP	12 33 08
Oct. 19		
BYR	eP	14 28 15
SPA	eP	14 29 31
	e	35 26
Oct. 19		
SPA	eP	17 04 39
Oct. 19		
SPA	eP	19 09 56
Oct. 20		
BYR	eP	23 54 03
Oct. 20		
SPA	eP	00 53 18
Oct. 20		
BYR	eP	04 43 13
SPA	eP	04 43 55
Oct. 20		
BYR	iP	11 17 48
	e	19 56
	e	23 05
SPA	eP	11 18 02
Oct. 20		
BYR	eP	13 21 50
SPA	eP	13 22 21

Date and Station		Phase (GCT)
Oct. 20		h m s
BYR	eP	14 33 14
SPA	eP	14 34 07
Oct. 20		
SPA	eP	14 51 48
Oct. 20		
BYR	eP	15 18 29
SPA	eP	15 18 43
Oct. 20		
BYR	eP	17 12 45
SPA	eP	17 13 23
Oct. 20		
BYR	eP'	23 59 27
	eSKP	24 02 41
Oct. 21		
BYR	eP	05 21 26
Oct. 21		
BYR	eP	06 11 11
Oct. 21		
BYR	eP	06 37 55
Oct. 21		
BYR	eP	08 09 36
Oct. 21		
BYR	eP	08 20 03
Oct. 21		
BYR	eP	10 10 50
SPA	eP	10 11 43
Oct. 21		
BYR	iP	13 53 30
	i	53 40
SPA	eP	13 54 12
Oct. 22		
BYR	eP	00 17 51
	e	18 40
Oct. 22		
BYR	eP	03 31 46
	e	31 59
Oct. 22		
BYR	iP	07 32 13
SPA	iP	07 31 55
	e	34 45
	e	38 15
Oct. 22		
SPA	eP	08 16 04

Date and Station		Phase (GCT)
Oct. 22		h m s
BYR	iP	08 33 54
	ipP	34 09
	ePP	36 53
	e	39 03
	ePKKP	51 56
	eP'P'	09 01 19
SPA	iP	08 34 03
	e(PP)	36 47
	eScS	44 01
	e	53 00
	eP'P'	09 00 53
Oct. 22		
BYR	eP	22 34 50
SPA	eP	22 34 43
Oct. 23		
SPA	eP	01 38 37
Oct. 23		
BYR	eP	07 01 28
Oct. 23		
SPA	eP	11 25 31
	e	26 17
Oct. 23		
BYR	iP	15 39 37
	i	40 37
SPA	eP	15 39 16
	e	40 04
	e	45 29
Oct. 23		
SPA	eP	17 35 10
Oct. 23		
BYR	eP	19 26 02
Oct. 24		
SPA	eP	00 23 38
Oct. 24		
SPA	eP	04 11 08
Oct. 24		
BYR	eP	05 23 18
	ePP	25 59
	e	29 31
SPA	eP	05 23 35
	e	24 24
Oct. 24		
BYR	eP	10 24 23
SPA	eP	10 24 26
Oct. 24		
BYR	eP	17 21 37
SPA	eP	17 21 24

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

Date and Station		Phase (GCT)
		h m s
Oct. 29		
SPA	eP	07 21 33
Oct. 29		
SPA	e(P)	07 58 44
Oct. 29		
BYR	eP	09 48 39
SPA	eP	09 49 14
	e	50 41
Oct. 29		
BYR	eP	11 35 28
Oct. 29		
BYR	iP	13 32 22
	e	32 49
SPA	eP	13 33 00
Oct. 30		
BYR	eP	09 01 38
Oct. 30		
BYR	eP	09 14 07
Oct. 30		
BYR	iP	10 33 28
Oct. 30		
BYR	eP	12 24 42
	eS	32 21
	e	41 18
	e	44 01
	eP'P'	54 01
SPA	eP	12 25 24
	e	32 14
	e	41 59
	e	44 40
	eP'P'	53 52
Oct. 30		
BYR	iP	13 22 03
	i	22 11
SPA	eP	13 22 44
Oct. 30		
BYR	eP	16 04 04
SPA	eP	16 03 44
Oct. 30		
BYR	eP'	16 35 37
	ipP'	35 48
SPA	eP	16 35 43
Oct. 30		
BYR	eP	17 28 25
SPA	eP	17 29 07
Oct. 30		
SPA	eP	17 51 37

Date and Station		Phase (GCT)
		h m s
Oct. 30		
BYR	iP	18 46 45
SPA	eP	18 47 26
Oct. 30		
SPA	eP	20 39 24
Oct. 30		
BYR	iP	21 43 00
	i	43 25
	e	22 05 09
	eP'P'	11 28
SPA	iP	21 43 39
	e(PP)	46 28
	eP'P'	22 12 07
	eSKPP'	15 55
Oct. 31		
SPA	eP	00 51 31
Oct. 31		
BYR	eP	02 56 07
Oct. 31		
BYR	eP'	07 23 33
Oct. 31		
BYR	eP	11 21 59
SPA	eP	11 22 49
Oct. 31		
SPA	eP	13 05 40
Oct. 31		
BYR	iP	14 50 50
SPA	eP	14 51 40
Oct. 31		
BYR	eP	15 55 22
SPA	eP	15 55 59
Oct. 31		
SPA	eP	22 26 13
Nov. 1		
BYR	eP	00 03 48
Nov. 1		
SPA	eP	00 33 49
Nov. 1		
BYR	eP	00 49 06
SPA	eP	00 49 07
Nov. 1		
BYR	eP	05 35 33
	e	36 04
SPA	eP	05 36 11
Nov. 1		
BYR	eP	06 27 50

Date and Station		Phase (GCT)
		h m s
SPA	eP	06 27 33
Nov. 1		
BYR	e(P)	08 27 10
SPA	eP	08 27 11
Nov. 1		
BYR	eP	08 54 13
	eS	09 00 52
	e	06 26
	eP'P'	24 35
	e	29 37
SPA	eP	08 55 04
	eS	09 02 27
	eL	12 13
	eP'P'	24 40
	e	25 27
Nov. 1		
BYR	eP	09 46 09
Nov. 1		
BYR	iP	10 00 24
SPA	eP	10 01 16
Nov. 1		
BYR	eP	10 37 08
SPA	eP	10 36 32
Nov. 1		
SPA	eP	10 57 27
Nov. 1		
BYR	eP	11 13 47
SPA	eP	11 14 39
Nov. 1		
BYR	eP	11 47 31
Nov. 1		
BYR	eP	11 58 21
SPA	eP	11 57 31
Nov. 1		
BYR	eP	12 37 44
	epP	37 58
	ePP	39 36
SPA	eP	12 38 35
	e	44 23
	eP'P'	13 09 17
Nov. 1		
BYR	eP	14 11 59
SPA	eP	14 12 50
Nov. 1		
BYR	eP	14 18 03
SPA	eP	14 18 54

Date and Station		Phase (GCT)
		h m s
Nov. 1		
BYR	eP	15 58 58
SPA	eP	15 59 49
Nov. 1		
BYR	e(P)	16 16 12
SPA	eP	16 17 03
Nov. 1		
BYR	eP	16 35 04
SPA	eP	16 35 33
Nov. 1		
BYR	eP	17 04 49
SPA	eP	17 05 40
Nov. 1		
BYR	eP	18 02 37
SPA	eP	18 03 28
Nov. 1		
BYR	eP	18 14 16
SPA	eP	18 15 17
Nov. 1		
BYR	eP'	19 25 22
	eSKP	28 46
SPA	eP	19 25 26
	eSKP	28 50
Nov. 1		
BYR	eP	20 36 23
SPA	eP	20 37 15
Nov. 1		
BYR	eP	20 51 29
SPA	iP	20 51 59
Nov. 1		
BYR	eP	22 13 54
Nov. 1		
BYR	eP	23 28 04
Nov. 1		
BYR	eP	24 07 40
Nov. 2		
BYR	eP	00 37 23
Nov. 2		
BYR	eP	00 44 22
Nov. 2		
BYR	eP	03 21 09
Nov. 2		
BYR	eP	03 34 50
Nov. 2		
BYR	eP	04 38 43

Date and Station	Phase	Phase (GCT) h m s
Nov. 2 BYR	eP	05 43 40
Nov. 2 BYR	eP	06 45 56
Nov. 2 SPA	eP'	15 49 24
Nov. 2 BYR	eP	16 37 14
Nov. 2 BYR	eP	16 50 38
Nov. 2 BYR	eP	17 26 29
Nov. 2 BYR	eP	18 19 20
	ePcP	20 23
Nov. 2 BYR	eP	19 31 44
	e	36 31
Nov. 2 BYR	eP	20 04 05
Nov. 3 BYR	eP	02 14 39
SPA	eP	02 14 22
Nov. 3 BYR	eP	02 53 21
Nov. 3 BYR	e(P)	05 04 05
Nov. 3 BYR	eP	07 44 04
Nov. 3 BYR	eP	07 53 05
Nov. 3 BYR	eP	16 18 01
Nov. 3 BYR	eP	16 45 33
SPA	eP	16 46 25
Nov. 3 BYR	eP	17 41 33
SPA	eP	17 42 03
Nov. 3 BYR	eP	20 53 55
SPA	eP	20 53 39
Nov. 3 BYR	eP	21 40 19
SPA	eP	21 41 21

Date and Station	Phase	Phase (GCT) h m s
Nov. 3 BYR	eP	22 13 24
SPA	eP	22 14 02
Nov. 3 BYR	eP	23 18 46
SPA	eP	23 19 38
Nov. 4 SPA	eP	00 18 09
Nov. 4 SPA	eP	01 51 13
Nov. 4 BYR	eP	05 03 49
SPA	eP	05 04 41
Nov. 4 BYR	eP	08 00 08
Nov. 4 BYR	eP	11 49 54
Nov. 4 BYR	iP	11 54 53
Nov. 4 BYR	eP	12 13 12
Nov. 4 BYR	eP	14 31 24
Nov. 4 SPA	eP	18 24 56
	e(PP)	26 30
Nov. 4 BYR	eP	20 29 40
Nov. 5 BYR	eP*	01 10 28
Nov. 5 BYR	eP	04 30 06
Nov. 5 BYR	eP	05 37 44
Nov. 5 BYR	eP	07 45 39
Nov. 5 BYR	eP	11 42 24
	e	42 42
Nov. 5 BYR	eP	12 50 37
SPA	eP	12 51 29
Nov. 5 BYR	iP	13 14 14
Nov. 5 BYR	eP	15 04 30

Date and Station	Phase	Phase (GCT) h m s
SPA	eP	15 03 50
Nov. 5 BYR	eP	16 10 11
SPA	eP	16 11 00
Nov. 5 BYR	eP	16 16 46
Nov. 5 BYR	eP	17 02 54
	ePcP	03 54
SPA	eP	17 03 24
Nov. 5 BYR	eP	17 30 36
	e	31 49
SPA	eP	17 29 52
Nov. 5 BYR	eP	18 15 51
Nov. 5 BYR	eP	18 38 07
SPA	eP	18 38 57
Nov. 5 BYR	eP'	20 40 05
	ePP	42 59
SPA	eP'	20 39 52
	ePP	42 02
Nov. 5 BYR	e(P)	22 45 40
SPA	eP	22 45 37
Nov. 6 BYR	eP'	04 57 36
	iSKP	05 01 17
	e	09 21
SPA	eP'	04 57 44
	eSKP	05 01 05
	e	07 04
Nov. 6 BYR	eP	06 24 15
	ePP	26 15
	e	31 08
	eS	32 04
	e	38 34
	eP'P'	54 16
SPA	eP	06 24 49
	eS	32 10
	eP'P'	54 19
Nov. 6 SPA	eP	07 32 07
Nov. 6 SPA	eP	08 47 29

Date and Station	Phase	Phase (GCT) h m s
Nov. 6 BYR	eP	10 26 53
Nov. 6 BYR	e(P)	15 17 06
SPA	eP	15 17 50
Nov. 6 BYR	eP	17 41 09
Nov. 6 BYR	eP	22 10 06
Nov. 6 BYR	eP	22 29 23
	eSKP	32 51
	e	40 34
SPA	eP	22 29 31
	eSKP	33 27
Nov. 7 BYR	eP	01 25 06
Nov. 7 BYR	eP	05 57 43
Nov. 7 BYR	eP	07 35 50
Nov. 7 BYR	eP	13 41 42
	ePP	43 43
SPA	eP	13 42 01
Nov. 7 BYR	eP	14 31 01
Nov. 7 BYR	eP	14 34 14
SPA	eP	14 33 56
Nov. 7 BYR	eP	16 38 38
Nov. 7 BYR	eP	16 49 04
	e	49 45
Nov. 7 SPA	eP	19 19 53
Nov. 7 BYR	iP	22 26 28
SPA	eP	22 27 19
Nov. 7 SPA	eP	23 18 49
Nov. 7 BYR	eP	23 35 14
Nov. 8 BYR	eP	24 06 34

Date and Station		Phase (GCT)
		h m s
SPA	eP	24 06 35
Nov. 8		
BYR	eP	00 00 50
SPA	eP	00 01 06
Nov. 8		
BYR	eP	00 13 12
SPA	eP	00 13 48
Nov. 8		
BYR	eP	00 42 43
SPA	eP	00 43 20
Nov. 8		
BYR	iP	01 25 54
SPA	eP	01 26 46
Nov. 8		
BYR	eP	02 53 12
SPA	eP	02 53 47
Nov. 8		
SPA	eP	05 33 48
Nov. 8		
BYR	eP'	05 41 27
	eSKP	44 52
SPA	eP	05 41 29
Nov. 8		
BYR	eP'	05 46 39
	eSKP	50 04
SPA	eP	05 46 42
Nov. 8		
BYR	e(P)	07 39 34
Nov. 8		
BYR	eP	08 34 57
SPA	eP	08 35 48
	e	42 16
Nov. 8		
BYR	e(P)	09 43 52
Nov. 8		
SPA	eP	09 48 19
SPA	eP	10 29 27
	e	33 42
	e	37 28
Nov. 8		
BYR	eP	11 09 11
SPA	eP	11 09 46
Nov. 8		
SPA	eP	13 52 22

Date and Station		Phase (GCT)
Nov. 8		h m s
BYR	eP	13 54 38
SPA	iP	13 55 51
Nov. 8		
SPA	eP'	14 04 17
Nov. 8		
BYR	eP	14 34 20
Nov. 8		
BYR	eP	19 24 01
Nov. 8		
BYR	eP	19 58 52
SPA	eP	19 59 11
Nov. 8		
BYR	eP	20 41 03
SPA	eP	20 40 54
Nov. 8		
BYR	eP	20 48 43
SPA	eP	20 49 21
Nov. 8		
BYR	e(P)	22 01 15
Nov. 8		
BYR	eP	22 04 20
Nov. 9		
BYR	iP	01 27 52
	epP	28 23
	eP'P'	57 02
SPA	eP	01 28 30
	eP'P'	57 20
Nov. 9		
BYR	iP	03 24 22
	iS	29 35
	e	43 41
	e	53 06
	eP'P'	56 00
SPA	eP	03 24 01
	eS	28 48
	eL	33 05
	e	52 25
	eP'P'	56 13
Nov. 9		
BYR	eP	04 53 17
SPA	eP	04 52 59
Nov. 9		
BYR	eP	07 13 30
Nov. 9		
BYR	e(P)	08 59 05

Date and Station		Phase (GCT)
Nov. 9		h m s
BYR	eP'	11 02 39
	e	02 55
	eSKP	06 16
	eSKKP	15 48
SPA	eP'	11 02 35
	eP'P'	20 29
Nov. 9		
BYR	eP	11 38 34
SPA	eP	11 38 17
Nov. 9		
BYR	eP	12 02 44
SPA	eP	12 02 22
Nov. 9		
BYR	eP	13 32 53
Nov. 9		
BYR	eP	17 44 00
SPA	eP	17 44 33
Nov. 9		
BYR	eP	18 40 24
SPA	eP	18 40 18
Nov. 9		
BYR	eP	19 42 02
SPA	eP	19 42 37
Nov. 9		
BYR	eP	20 16 26
	e	17 56
	e	19 42
	eP'P'	45 16
SPA	eP	20 17 07
	e	20 22
	eP'P'	45 36
Nov. 9		
SPA	eP	23 03 00
Nov. 10		
SPA	eP	00 58 10
Nov. 10		
SPA	eP	01 21 31
Nov. 10		
BYR	eP'	02 14 02
SPA	eP'	02 13 40
Nov. 10		
BYR	eP	03 39 22
SPA	eP	03 39 05
Nov. 10		
BYR	eP	04 43 37

Date and Station		Phase (GCT)
Nov. 10		h m s
BYR	eP	05 57 05
SPA	eP	05 57 46
Nov. 10		
SPA	eP	06 55 40
Nov. 10		
BYR	iP	14 57 44
	e(PP)	15 00 49
	e(PPP)	03 41
	eS	08 29
	e	09 55
	e	14 57
SPA	eP	14 57 33
	ePP	15 00 56
	e(S)	08 56
	e	10 19
	e	15 27
Nov. 10		
BYR	eP	16 40 39
SPA	eP	16 41 01
Nov. 10		
BYR	eP	17 27 06
SPA	eP	17 27 47
Nov. 10		
BYR	eP	18 07 12
SPA	eP	18 07 54
Nov. 10		
SPA	eP	18 51 13
Nov. 10		
BYR	iP	20 00 30
SPA	eP	20 01 21
Nov. 10		
BYR	e(P)	23 59 58
Nov. 11		
SPA	eP	00 59 47
Nov. 11		
BYR	eP	01 20 53
SPA	eP	01 20 25
Nov. 11		
BYR	eP	02 09 41
Nov. 11		
BYR	eP	03 39 31
Nov. 11		
BYR	eP	04 17 16
Nov. 1		
BYR	eP'	05 50 52

B-4297-4+

Date and Station	Phase	Phase (GCT) h m s
Nov. 11		
BYR	eP	06 10 13
SPA	eP	06 11 22
Nov. 11		
BYR	eP	06 24 24
Nov. 11		
BYR	eP	06 41 03
Nov. 11		
BYR	eP	07 04 12
	e	04 43
Nov. 11		
BYR	eP	08 00 51
SPA	eP	08 01 33
Nov. 11		
BYR	eP	09 04 20
Nov. 11		
SPA	eP	10 33 53
Nov. 11		
BYR	eP	11 00 12
Nov. 11		
BYR	eP	13 42 51
SPA	eP	13 43 26
Nov. 11		
BYR	eP	14 04 40
SPA	eP	14 04 47
Nov. 11		
BYR	iP	15 30 53
SPA	eP	15 31 35
Nov. 11		
BYR	eP	18 40 00
Nov. 11		
BYR	eP	21 24 13
	e	25 04
SPA	eP	21 23 51
	e	24 31
Nov. 11		
BYR	eP	22 33 56
SPA	eP	22 34 37
Nov. 11		
BYR	eP	23 01 03
	e	02 04
Nov. 12		
BYR	eP	00 45 00
Nov. 12		
BYR	e(P)	00 57 51

Date and Station	Phase	Phase (GCT) h m s
Nov. 12		
SPA	eP	06 04 23
Nov. 12		
SPA	eP	06 32 10
Nov. 12		
BYR	eP	07 02 55
	e	03 21
Nov. 12		
BYR	iP	08 03 57
SPA	eP	08 04 50
Nov. 12		
BYR	eP	08 37 58
SPA	eP	08 38 48
Nov. 12		
BYR	eP	08 45 55
SPA	eP	08 46 44
Nov. 12		
BYR	eP	10 52 04
Nov. 12		
BYR	eP	11 05 43
	ePP	08 50
SPA	eP	11 05 48
Nov. 12		
BYR	eP	11 31 39
Nov. 12		
BYR	eP	12 25 38
Nov. 12		
BYR	eP	14 01 57
Nov. 12		
BYR	eP	14 27 56
Nov. 12		
BYR	eP	17 02 31
	e	02 57
SPA	eP	17 03 09
Nov. 12		
BYR	eP	18 56 15
Nov. 12		
BYR	eP	18 59 30
Nov. 12		
BYR	eP	22 00 33
SPA	eP	22 00 19
Nov. 12		
BYR	eP	23 15 38
Nov. 13		
BYR	eP	03 38 24

Date and Station	Phase	Phase (GCT) h m s
Nov. 13		
BYR	eP	03 56 30
SPA	eP	03 56 12
Nov. 13		
BYR	eP	04 45 13
Nov. 13		
SPA	eP	05 21 08
Nov. 13		
BYR	eP	06 39 55
Nov. 13		
BYR	eP	06 50 27
	iPP	54 18
	eSKS	07 00 51
	eS	01 30
	ePKKP	07 20
SPA	eP	06 50 08
	ePP	53 46
	eSKS	07 00 30
	eS	00 57
	ePKKP	07 14
Nov. 13		
BYR	eP	07 20 52
	e	21 22
SPA	eP	07 21 53
Nov. 13		
SPA	eP	09 24 26
	e	25 31
Nov. 13		
BYR	eP'	09 39 40
	ePP	43 19
	eSKKP	52 31
SPA	eP'	09 39 54
	eSKP	44 39
	e	47 34
	eSKKP	51 11
	e	55 02
	eP'P'	10 00 20
Nov. 13		
SPA	eP	10 51 28
Nov. 13		
BYR	eP'	12 44 49
SPA	eP'	12 44 59
Nov. 13		
BYR	eP'	13 43 43
SPA	eP'	13 43 48
Nov. 13		
BYR	eP'	14 11 41
Nov. 13		
BYR	eP'	14 48 30

Date and Station	Phase	Phase (GCT) h m s
Nov. 13		
BYR	iP	17 17 38
SPA	iP	17 18 07
Nov. 13		
SPA	eP'	17 38 33
Nov. 13		
BYR	eP	19 32 19
	e	32 41
SPA	eP	19 32 50
	e	33 11
Nov. 13		
BYR	eP	20 08 35
SPA	eP	20 09 27
Nov. 13		
BYR	eP	20 24 25
Nov. 13		
SPA	eP'	21 04 22
Nov. 13		
BYR	eP	21 31 17
SPA	eP	21 31 49
Nov. 13		
BYR	eP	21 42 51
SPA	eP	21 43 27
Nov. 14		
BYR	eP	01 27 51
Nov. 14		
BYR	eP	02 15 35
Nov. 14		
SPA	eP	03 36 50
Nov. 14		
SPA	eP	04 08 51
Nov 14		
BYR	eP	04 24 38
SPA	eP	04 24 13
Nov. 14		
SPA	eP	05 12 29
Nov. 14		
SPA	eP	05 50 39
Nov. 14		
BYR	eP	08 02 45
Nov. 14		
BYR	eP	08 43 25
SPA	eP	08 43 55

Date and Station	Phase	Phase (GCT) h m s
Nov. 14		
BYR	eP	09 02 27
SPA	eP	09 02 57
Nov. 14		
BYR	eP	09 06 59
SPA	eP	09 07 29
Nov. 14		
BYR	eP	09 43 18
SPA	eP	09 43 48
Nov. 14		
BYR	eP	09 51 21
SPA	eP	09 51 52
Nov. 14		
BYR	eP	12 20 26
SPA	eP	12 20 19
Nov. 14		
BYR	e(P)	16 15 20
Nov. 14		
BYR	eP	18 03 16
	epP	05 02
SPA	eP	18 03 46
	epP	05 38
Nov. 15		
BYR	eP	01 07 33
Nov. 15		
BYR	eP	01 58 51
Nov. 15		
BYR	eP	02 23 07
Nov. 15		
BYR	eP	02 40 54
Nov. 15		
BYR	eP	05 18 23
Nov. 15		
BYR	eP	05 41 04
Nov. 15		
BYR	eP	05 43 36
Nov. 15		
BYR	eP	05 45 10
Nov. 15		
BYR	eP	05 48 55
Nov. 15		
BYR	eP	06 28 11
	eS	32 22
SPA	eP	06 29 15
	e	31 07

Date and Station	Phase	Phase (GCT) h m s
Nov. 15		
SPA	eP	06 43 40
Nov. 15		
SPA	eP	08 03 26
Nov. 15		
BYR	eP	09 18 22
Nov. 15		
BYR	iP'	09 24 55
	e(SKP)	27 58
SPA	eP	09 24 29
	eSKS	31 05
Nov. 15		
BYR	eP	11 22 44
SPA	eP	11 22 05
Nov. 15		
BYR	eP	13 07 28
Nov. 15		
BYR	eP	14 42 28
Nov. 15		
BYR	eP	14 54 45
SPA	eP	14 55 34
Nov. 15		
BYR	eP	15 18 30
Nov. 15		
BYR	eP	15 20 35
SPA	eP	15 21 26
Nov. 15		
BYR	eP	17 02 56
Nov. 15		
BYR	eP	18 09 34
Nov. 15		
BYR	eP	21 49 08
Nov. 15		
SPA	eP	21 49 39
Nov. 15		
BYR	eP	22 47 10
Nov. 16		
BYR	eP	00 14 23
Nov. 16		
BYR	eP	01 32 41
	e(pP)	34 40
Nov. 16		
BYR	eP	01 51 19
Nov. 16		
SPA	eP	02 43 34

Date and Station	Phase	Phase (GCT) h m s
Nov. 16		
BYR	eP	03 21 08
Nov. 16		
BYR	eP	04 14 45
Nov. 16		
BYR	eP	06 00 13
SPA	eP	05 59 51
Nov. 16		
BYR	eP	07 13 43
Nov. 16		
SPA	eP	13 34 16
Nov. 16		
BYR	eP	15 51 34
SPA	eP	15 52 11
Nov. 16		
SPA	eP	16 03 45
Nov. 16		
BYR	eP	16 21 28
	e	24 03
SPA	eP	16 20 44
	e	23 20
Nov. 16		
SPA	eP	19 11 14
Nov. 16		
SPA	e(P)	19 56 42
Nov. 16		
SPA	eP	20 47 43
Nov. 16		
BYR	e(P)	23 30 36
Nov. 17		
BYR	eP	01 37 00
SPA	eP	01 37 50
Nov. 17		
BYR	eP	04 17 23
SPA	eP	04 17 58
Nov. 17		
BYR	iP	05 23 36
SPA	eP	05 24 31
Nov. 17		
BYR	eP	05 39 34
	e	39 55
Nov. 17		
BYR	e(P)	06 15 14
Nov. 17		
BYR	eP	09 12 36
SPA	eP	09 12 42

Date and Station	Phase	Phase (GCT) h m s
Nov. 17		
BYR	e(P)	09 46 47
SPA	eP	09 45 32
Nov. 17		
SPA	eP	10 12 32
Nov. 17		
SPA	eP	13 57 24
	e	58 22
Nov. 17		
BYR	eP	14 09 02
SPA	eP	14 09 05
Nov. 17		
SPA	eP	18 09 04
Nov. 17		
BYR	eP	19 06 54
Nov. 17		
BYR	eP'	20 06 05
SPA	eP'	20 06 14
Nov. 17		
BYR	eP	20 23 34
Nov. 17		
BYR	eP	20 27 02
Nov. 17		
BYR	e(P)	20 46 08
Nov. 17		
BYR	eP	21 27 59
	e	29 20
	eS	32 26
	eL	34 26
	e	37 16
	eP'P'	22 00 45
SPA	eP	21 29 28
Nov. 17		
BYR	eP	22 34 20
Nov. 18		
BYR	e(P)	00 35 04
Nov. 18		
BYR	eP	04 20 45
Nov. 18		
BYR	eP	05 12 03
SPA	eP	05 10 57
Nov. 18		
SPA	eP	06 14 30
Nov. 18		
SPA	eP'	06 22 35

B-4297-4

Date and Station		Phase (GCT)
		h m s
Nov. 18		
BYR	eP	08 17 57
	e	18 22
SPA	eP	08 18 31
Nov. 18		
SPA	eP	10 00 19
Nov. 18		
BYR	iP	12 52 50
SPA	iP	12 53 28
Nov. 18		
SPA	eP	15 35 19
Nov. 18		
SPA	eP	20 24 52
Nov. 18		
SPA	eP	21 55 07
Nov. 19		
BYR	e(P)	02 00 51
Nov. 19		
BYR	iP	04 59 37
SPA	eP	05 00 14
Nov. 19		
BYR	iP	06 26 26
SPA	eP	06 26 55
	e	33 24
Nov. 19		
BYR	eP	06 40 51
Nov. 19		
BYR	eP	07 15 01
SPA	iP	07 15 30
Nov. 19		
BYR	eP	09 11 01
SPA	eP	09 12 08
Nov. 19		
BYR	eP	12 30 30
	ePP	34 40
SPA	eP	12 30 24
Nov. 19		
SPA	eP	13 31 41
Nov. 19		
SPA	eP	18 57 29
Nov. 19		
BYR	eP'	19 44 20
SPA	eP'	19 44 00

Date and Station		Phase (GCT)
		h m s
Nov. 19		
BYR	eP	19 46 43
Nov. 20		
SPA	eP	04 17 01
Nov. 20		
BYR	eP	11 00 49
SPA	eP	11 01 27
Nov. 20		
BYR	eP	11 30 51
SPA	eP	11 30 50
Nov. 20		
BYR	eP	13 35 10
SPA	eP	13 36 17
Nov. 20		
BYR	eP	13 50 03
Nov. 20		
BYR	eP	13 55 50
SPA	eP	13 56 59
Nov. 20		
BYR	eP	20 00 31
Nov. 20		
BYR	eP	22 00 43
Nov. 20		
BYR	eP	22 13 37
	eS	23 22
SPA	eP	22 14 19
	e	21 03
	eSKS	26 18
	eL	40 11
	eP'P'	40 50
	eSKPP'	44 27
Nov. 21		
BYR	eP	02 45 30
SPA	eP	02 46 00
Nov. 21		
BYR	eP	04 33 28
SPA	eP	04 34 10
Nov. 21		
BYR	iP	04 41 00
	epP	42 24
SPA	eP	04 41 11
	e	49 05
Nov. 21		
BYR	e(P)	05 05 23
Nov. 21		
BYR	eP	08 50 51

Date and Station		Phase (GCT)
		h m s
SPA	eP	08 51 43
Nov. 21		
BYR	eP	11 11 09
Nov. 21		
SPA	eP	15 49 39
Nov. 21		
SPA	eP	16 30 22
Nov. 21		
BYR	e(P)	18 43 00
Nov. 21		
BYR	eP'	19 03 31
	epP'	03 55
	ePP	06 56
SPA	eP'	19 03 29
Nov. 21		
BYR	eP	20 09 21
SPA	eP	20 10 03
Nov. 22		
SPA	eP	02 12 10
Nov. 22		
BYR	eP	02 44 01
SPA	eP	02 44 43
Nov. 22		
BYR	eP	03 42 37
SPA	eP	03 43 13
Nov. 22		
BYR	eP	03 56 03
SPA	eP	03 56 38
Nov. 22		
BYR	iP	04 13 39
SPA	eP	04 14 12
Nov. 22		
BYR	eP	06 32 07
	ePP	34 05
	ePPP	36 01
	e	37 18
	eP'P'	07 01 06
SPA	eP	06 31 10
	ePcP	32 19
	e	36 27
	eS	38 51
	eP'P'	07 01 29
Nov. 22		
BYR	eP'	07 28 34
	i	28 45
	ePP	32 15
	eSKP	32 41

Date and Station		Phase (GCT)
		h m s
SPA	eP	07 28 43
	e	29 48
	ePP	31 54
Nov. 22		
SPA	eP	09 27 31
Nov. 22		
SPA	iP	09 43 48
Nov. 22		
BYR	iP	12 36 55
	eP'P'	13 08 25
SPA	eP	12 37 46
	eS	45 04
	eP'P'	13 08 19
Nov. 22		
SPA	e(P)	13 50 02
Nov. 22		
SPA	eP	13 54 20
Nov. 22		
SPA	eP	21 42 15
Nov. 23		
BYR	iP	01 37 00
Nov. 23		
BYR	iP	04 23 18
	epP	24 56
	ePKKP	50 55
SPA	eP	04 23 21
	eS	33 03
Nov. 23		
BYR	eP	09 54 55
SPA	eP	09 54 55
Nov. 23		
BYR	e(P)	13 39 22
Nov. 23		
BYR	eP	14 22 14
	i	22 20
	ePP	24 14
	ePPP	25 44
	eS	30 40
	e	33 13
	eP'P'	51 27
Nov. 23		
SPA	eP	14 23 06
	ePP	25 22
	e(S)	32 01
	e	34 06
	e	46 59
	eP'P'	51 22
Nov. 23		
SPA	eP	15 45 35

Date and Station		Phase (GCT)
		h m s
Nov. 23		
SPA	eP	15 54 10
	e	16 06 51
Nov. 23		
BYR	eP	17 05 42
	e	08 13
	ePP	09 28
SPA	eP	17 05 23
	e(PP)	08 48
	eS	15 36
Nov. 23		
BYR	eP	17 39 03
	e	39 49
SPA	eP	17 39 39
Nov. 23		
BYR	iP	18 06 47
	eP'P'	36 19
SPA	iP	18 07 23
	e	10 07
	eP'P'	35 42
Nov. 23		
BYR	eP	18 43 51
SPA	eP	18 44 27
Nov. 23		
SPA	eP	18 53 45
Nov. 23		
SPA	eP	19 25 08
Nov. 23		
BYR	eP	20 21 17
SPA	eP	20 21 52
Nov. 23		
SPA	eP	20 29 25
Nov. 23		
BYR	eP	21 18 17
SPA	eP	21 18 58
Nov. 23		
BYR	eP	21 24 03
SPA	eP	21 24 33
	epP	26 29
Nov. 24		
SPA	eP	01 22 26
	e	23 37
Nov. 24		
BYR	eP	01 43 35
Nov. 24		
BYR	eP	02 35 52

Date and Station		Phase (GCT)
		h m s
Nov. 24		
BYR	iP	03 03 46
SPA	eP	03 03 31
	e	06 07
Nov. 24		
BYR	eP	05 02 44
	eS	12 41
SPA	eP	05 02 47
	e	03 54
	eS	13 16
	ePKKP	20 52
Nov. 24		
BYR	iP	07 02 54
	eS	11 13
	eP'P'	31 31
SPA	eP	07 03 29
	e	10 34
	eS	12 18
	eL	23 41
	e	25 20
	eP'P'	32 03
Nov. 24		
BYR	e(P)	07 40 41
SPA	eP	07 41 14
Nov. 24		
BYR	eP	07 42 58
SPA	eP	07 43 35
Nov. 24		
SPA	eP	08 01 34
Nov. 24		
BYR	iP	08 03 44
SPA	eP	08 04 23
Nov. 24		
BYR	eP	08 26 56
SPA	eP	08 27 33
Nov. 24		
BYR	eP	08 36 25
SPA	eP	08 37 02
Nov. 24		
BYR	eP	08 47 36
SPA	eP	08 48 13
Nov. 24		
SPA	eP	09 15 35
Nov. 24		
BYR	eP	09 26 38
SPA	eP	09 27 14

Date and Station		Phase (GCT)
		h m s
Nov. 24		
SPA	eP	09 35 37
Nov. 24		
BYR	eP	09 38 23
SPA	eP	09 38 59
Nov. 24		
SPA	eP	11 27 15
	e	35 34
Nov. 24		
SPA	eP	13 26 51
	e	31 15
Nov. 24		
BYR	eP'	14 31 07
SPA	eP'	14 31 06
Nov. 24		
SPA	eP	15 36 12
Nov. 24		
SPA	eP'	18 45 43
Nov. 24		
SPA	eP	20 15 24
Nov. 24		
BYR	eP	22 38 59
SPA	eP	22 39 53
Nov. 24		
BYR	eP	22 54 51
	e	55 02
Nov. 25		
BYR	e(P)	01 29 32
Nov. 25		
SPA	eP	02 45 45
Nov. 25		
BYR	eP	03 39 40
SPA	eP	03 40 24
Nov. 25		
BYR	eP	04 06 04
Nov. 25		
BYR	eP	05 42 50
Nov. 25		
SPA	eP	13 45 27
Nov. 25		
SPA	e(P)	14 12 14
Nov. 25		
SPA	eP	17 35 10
Nov. 25		
BYR	e(P)	17 55 13

Date and Station		Phase (GCT)
		h m s
Nov. 25		
SPA	eP	18 02 35
Nov. 25		
SPA	e(P)	18 11 25
Nov. 25		
BYR	eP	20 28 30
Nov. 25		
BYR	eP	20 41 02
	e	41 43
Nov. 25		
BYR	eP'	22 13 09
SPA	eP'	22 13 06
	eSKKP	26 21
Nov. 26		
BYR	eP	02 44 15
	e	45 51
SPA	iP	02 43 49
Nov. 26		
BYR	eP	04 13 15
SPA	eP	04 14 21
Nov. 26		
BYR	eP'	07 56 01
	e	56 16
SPA	eP'	07 55 59
Nov. 26		
SPA	eP	10 05 43
Nov. 26		
BYR	iP	12 21 39
	e	22 16
Nov. 26		
SPA	eP	12 22 20
Nov. 26		
BYR	eP	12 30 53
	e	31 11
SPA	iP	12 31 05
Nov. 26		
BYR	eP	14 45 09
SPA	iP	14 45 45
Nov. 26		
BYR	iP	15 39 47
SPA	iP	15 39 32
Nov. 26		
BYR	eP	15 45 53
Nov. 26		
SPA	eP	16 23 06

Date and Station		Phase (GCT)
		h m s
Nov. 26		
BYR	eP	17 04 48
SPA	eP	17 04 55
Nov. 26		
BYR	eP	18 27 50
SPA	iP	18 27 27
	ePP	28 48
Nov. 26		
BYR	eP	21 45 49
SPA	iP	21 46 24
Nov. 27		
BYR	eP	01 23 58
SPA	eP	01 24 59
Nov. 27		
BYR	eP	01 52 05
	e	54 16
	e	58 54
SPA	iP	01 52 26
	i	54 58
	e	59 04
Nov. 27		
SPA	iP	02 09 20
Nov. 27		
BYR	eP	07 13 33
SPA	eP	07 14 00
Nov. 27		
BYR	eP	07 28 32
SPA	iP	07 29 02
Nov. 27		
SPA	eP	08 29 39
Nov. 27		
BYR	eP	11 09 01
SPA	eP	11 08 28
Nov. 27		
BYR	eP'	12 19 44
	epP'	20 17
	ePP	23 04
SPA	iP'	12 20 02
Nov. 27		
BYR	eP	13 22 42
SPA	iP	13 22 37
Nov. 27		
BYR	eP	13 39 43
SPA	eP	13 39 57

Date and Station		Phase (GCT)
		h m s
Nov. 27		
BYR	eP	15 13 36
SPA	iP	15 14 26
	i	14 32
Nov. 27		
BYR	eP'	15 36 24
	epP'	36 52
	eSKP	39 42
SPA	iP	15 36 21
Nov. 27		
SPA	iP	19 06 40
Nov. 27		
SPA	iP	20 50 07
Nov. 27		
SPA	iP	20 57 19
Nov. 27		
SPA	eP	21 23 35
Nov. 27		
SPA	iP	21 33 44
Nov. 27		
SPA	eP	22 17 11
Nov. 27		
SPA	eP	22 47 40
Nov. 28		
BYR	eP	02 51 41
SPA	iP	02 52 26
Nov. 28		
BYR	eP	03 29 48
Nov. 28		
BYR	eP	05 51 30
SPA	iP	05 52 44
	e	52 52
Nov. 28		
BYR	eP	06 28 43
Nov. 28		
BYR	e(P)	09 11 17
SPA	iP	09 12 52
Nov. 28		
SPA	eP	09 31 05
Nov. 28		
SPA	eP	13 15 08
Nov. 28		
SPA	eP	14 04 35
Nov. 28		
SPA	eP	14 34 41

Date and Station		Phase (GCT)
		h m s
Nov. 28		
SPA	iP'	15 31 04
Nov. 28		
BYR	eP	16 31 49
Nov. 28		
SPA	iP	20 06 42
Nov. 28		
SPA	eP	20 46 42
Nov. 28		
BYR	e(P)	20 51 45
Nov. 28		
SPA	iP	20 53 56
Nov. 28		
SPA	iP	21 13 56
Nov. 28		
SPA	iP	21 14 28
Nov. 29		
BYR	eP	04 41 33
Nov. 29		
BYR	eP	04 52 59
Nov. 29		
SPA	eP	05 53 21
Nov. 29		
BYR	eP	07 23 42
SPA	iP	07 24 12
	i	24 42
Nov. 29		
SPA	eP	07 32 16
Nov. 29		
SPA	08 06 24	
Nov. 29		
BYR	eP	09 39 27
SPA	iP	09 40 21
	i	40 59
Nov. 29		
BYR	e(P)	10 57 45
Nov. 29		
SPA	eP	11 34 36
Nov. 29		
BYR	eP'	14 25 41
	ePP	27 06
SPA	iP	14 25 33
Nov. 29		
BYR	eP	14 35 50
SPA	eP	14 36 00
	i	36 06

Date and Station		Phase (GCT)
		h m s
Nov. 29		
BYR	eP	14 51 37
SPA	eP	14 52 43
Nov. 29		
BYR	eP	18 02 38
SPA	iP	18 03 24
Nov. 29		
BYR	eP	19 27 56
	e	28 16
	iPcP	28 24
SPA	iP	19 28 36
	iPcP	28 57
Nov. 29		
BYR	eP	22 01 32
Nov. 30		
BYR	eP	00 19 57
SPA	iP	00 21 19
Nov. 30		
SPA	eP	02 06 45
Nov. 30		
SPA	e(P)	07 04 24
Nov. 30		
SPA	eP	07 25 40
	e	33 28
Nov. 30		
BYR	e(P)	07 48 48
SPA	iP	07 50 13
Nov. 30		
BYR	eP	12 51 12
SPA	iP	12 51 59
Nov. 30		
BYR	e(P')	13 33 04
SPA	eP'	13 33 55
Nov. 30		
BYR	eP	14 09 13
	e	09 27
Nov. 30		
SPA	eP	15 28 17
Nov. 30		
SPA	eP	16 14 27
Nov. 30		
BYR	eP	19 12 48
Nov. 30		
BYR	eP	22 08 28
Nov. 30		
BYR	e(P)	22 15 33

Date and Station		Phase (GCT)
		h m s
Dec. 1		
BYR	eP	00 42 20
SPA	eP	00 42 51
Dec. 1		
BYR	eP	00 57 26
Dec. 1		
BYR	eP	01 01 30
SPA	eP	01 02 23
Dec. 1		
SPA	e(P)	01 13 40
Dec. 1		
BYR	eP'	03 09 17
SPA	iP'	03 09 51
Dec. 1		
BYR	e(P)	03 21 23
SPA	iP	03 22 06
Dec. 1		
BYR	eP	03 25 35
SPA	eP	03 24 51
Dec. 1		
SPA	eP'	04 21 37
Dec. 1		
BYR	eP	07 25 09
SPA	eP	07 24 53
Dec. 1		
BYR	eP	08 51 06
SPA	e(P)	09 05 09
Dec. 1		
SPA	iP	08 52 20
Dec. 1		
BYR	eP	09 51 05
	i	51 37
SPA	iP	09 50 42
	i	51 17
Dec. 1		
BYR	iP	10 24 18
	i	24 45
SPA	iP	10 24 14
	i	24 42
Dec. 1		
BYR	eP	10 50 36
SPA	iP	10 51 14
Dec. 1		
SPA	eP	10 55 45

Date and Station		Phase (GCT)
		h m s
Dec. 1		
SPA	eP	11 48 03
Dec. 1		
BYR	eP	13 53 55
SPA	eP	13 54 27
Dec. 1		
BYR	eP	13 59 51
SPA	iP	14 00 52
Dec. 1		
SPA	eP	14 51 25
Dec. 1		
SPA	eP	16 11 51
Dec. 1		
SPA	iP	17 56 24
	i	56 35
Dec. 1		
SPA	eP	19 28 17
Dec. 1		
SPA	eP	20 40 37
Dec. 1		
SPA	eP	21 02 20
Dec. 1		
BYR	eP'	21 08 54
SPA	eP'	21 09 09
	i	09 17
Dec. 1		
SPA	eP	21 23 19
Dec. 1		
BYR	eP'	22 08 44
SPA	iP'	22 08 58
Dec. 1		
SPA	e(P')	22 20 27
Dec. 1		
SPA	eP'	22 25 02
Dec. 2		
SPA	eP	00 31 25
Dec. 2		
SPA	iP	04 49 55
Dec. 2		
SPA	iP	06 34 09
Dec. 2		
SPA	iP	09 21 25
	iS	30 06
	i	33 10
Dec. 2		
SPA	iP	09 48 20
	i	10 12 46

Date and Station		Phase (GCT)
		h m s
Dec. 2		
BYR	e(P)	10 14 28
	e	16 47
	e	17 19
	e	18 48
SPA	iP	10 15 08
	i	16 50
	iS	21 56
Dec. 2		
BYR	eP	12 19 37
Dec. 2		
BYR	eP	13 51 34
	e	51 43
SPA	iP	13 52 16
Dec. 2		
BYR	eP	13 56 54
SPA	iP	13 57 11
Dec. 2		
SPA	iP	14 40 37
Dec. 2		
SPA	eP	15 26 27
Dec. 2		
BYR	eP	16 36 57
SPA	iP	16 37 01
Dec. 2		
BYR	e(P')	18 03 24
SPA	eP'	18 01 52
Dec. 2		
BYR	eP	18 22 26
SPA	iP	18 23 08
Dec. 2		
SPA	eP	19 36 43
Dec. 2		
BYR	iP	19 50 56
	ePP	53 06
SPA	iP	19 49 48
	i	51 15
Dec. 2		
SPA	eP	21 32 35
Dec. 2		
SPA	eP	21 36 18
Dec. 2		
BYR	eP	22 40 04
SPA	iP	22 40 46
Dec. 3		
SPA	iP	02 42 12

Date and Station		Phase (GCT)
		h m s
Dec. 3		
SPA	eP	03 17 03
Dec. 3		
BYR	eP	04 26 18
Dec. 3		
BYR	eP'	04 43 35
	eSKP	46 33
	e	47 28
	e	55 34
SPA	iP'	04 43 32
	iSKS	50 11
Dec. 3		
BYR	eP	07 09 42
SPA	iP	07 10 24
Dec. 3		
BYR	eP'	07 26 43
	e	26 54
	iSKP	30 09
	e	39 11
SPA	iP'	07 27 03
	ipP'	27 47
	iSKP	30 25
	i	38 44
Dec. 3		
BYR	eP	08 10 32
SPA	iP	08 11 15
	i	11 35
Dec. 3		
SPA	eP	09 22 02
Dec. 3		
BYR	eP	12 29 59
SPA	iP	12 30 40
Dec. 3		
BYR	eP	14 11 43
SPA	iP	14 12 19
	i	12 34
Dec. 3		
BYR	eP	14 26 12
SPA	iP	14 26 54
Dec. 3		
SPA	eP	14 59 20
Dec. 3		
BYR	eP	16 15 25
SPA	iP	16 16 07
Dec. 3		
BYR	e(P')	18 15 45
SPA	iP'	18 15 40

Date and Station		Phase (GCT)
		h m s
Dec. 3		
BYR	eP'	20 41 57
	e	45 40
SPA	iP'	20 41 02
Dec. 3		
BYR	eP	21 11 02
	e	12 45
	e	15 22
SPA	iP	21 10 04
	e	14 24
Dec. 3		
BYR	eP	21 30 55
	e	32 38
SPA	iP	21 30 00
Dec. 3		
SPA	iP	21 59 48
	ipP	22 00 26
Dec. 3		
BYR	eP	22 30 17
SPA	iP	22 29 19
Dec. 4		
BYR	eP	00 45 48
SPA	iP	00 46 38
Dec. 4		
BYR	eP	03 53 02
	e	53 10
SPA	iP	03 53 44
Dec. 4		
BYR	eP	04 06 43
Dec. 4		
SPA	eP	05 34 08
Dec. 4		
SPA	e(P)	05 53 32
Dec. 4		
BYR	e(P)	10 36 43
Dec. 4		
SPA	eP	12 30 23
Dec. 4		
BYR	eP	13 40 21
SPA	iP	13 40 19
Dec. 4		
BYR	e(P)	14 27 17
Dec. 4		
BYR	eP	14 34 48
SPA	eP	14 35 56

Date and Station		Phase (GCT)
		h m s
Dec. 4		
BYR	eP	16 00 49
	e	03 49
	ePP	04 39
SPA	iP	16 00 27
Dec. 4		
BYR	eP'	16 39 28
SPA	iP'	16 39 27
Dec. 4		
BYR	eP	18 43 35
Dec. 4		
BYR	eP	20 30 14
Dec. 4		
BYR	iP	24 05 16
	epP	07 21
SPA	iP	24 05 51
	e	06 33
	ipP	07 53
Dec. 5		
SPA	eP	01 33 41
Dec. 5		
BYR	eP	07 42 39
Dec. 5		
SPA	iP	08 35 48
Dec. 5		
BYR	eP'	08 58 04
	eSKP	09 01 31
SPA	iP'	08 58 00
Dec. 5		
BYR	eP	12 08 07
Dec. 5		
BYR	e(P)	12 21 39
Dec. 5		
SPA	iP	12 24 00
	i	24 07
Dec. 5		
SPA	eP	14 36 29
Dec. 5		
BYR	eP	16 43 33
	e	45 59
SPA	eP	16 43 47
Dec. 5		
BYR	eP'	18 09 08
SPA	iP'	18 09 17
	i	09 27
Dec. 5		
BYR	eP'	18 26 53
	ipP'	27 03
	eSKP	30 34

Date and Station		Phase (GCT)
		h m s
SPA	iP'	18 27 03
	ipP'	27 13
Dec. 5		
BYR	eP'	21 40 54
	epP'	41 14
SPA	iP'	21 40 46
	ipP'	41 02
Dec. 5		
BYR	e(P)	22 19 18
	e	19 45
Dec. 5		
BYR	eP	23 33 46
Dec. 6		
SPA	eP	03 11 51
Dec. 6		
BYR	eP	03 44 25
	e	46 18
SPA	iP	03 45 04
Dec. 6		
BYR	eP'	03 54 46
	e	55 36
	eSKP	58 30
SPA	eP'	03 54 42
Dec. 6		
BYR	iP	09 06 35
	ePP	08 47
	iS	15 02
	e	22 11
	e	24 24
	eP'P'	35 31
Dec. 6		
SPA	iP	09 07 15
	iPcP	07 28
	i(PP)	09 16
	iS	15 45
	iP'P'	35 28
Dec. 6		
BYR	eP	10 15 22
SPA	iP	10 16 15
Dec. 6		
BYR	iP	12 27 23
SPA	iP	12 27 53
Dec. 6		
SPA	eP	14 22 47
Dec. 6		
SPA	eP	16 10 03
Dec. 6		
SPA	iP	17 21 06
Dec. 6		
BYR	eP	20 26 19

Date and Station		Phase (GCT)
		h m s
Dec. 6		
SPA	iP	20 26 49
Dec. 6		
BYR	eP	21 47 30
Dec. 7		
BYR	e(P)	01 52 14
Dec. 7		
BYR	eP	03 08 23
Dec. 7		
BYR	eP'	08 02 09
Dec. 7		
BYR	eP	10 13 30
Dec. 7		
BYR	eP	16 32 32
	epP	32 48
	ePP	36 22
	e	39 55
Dec. 8		
BYR	eP	00 45 06
Dec. 8		
BYR	eP	01 10 03
Dec. 8		
BYR	iP	01 33 50
	epP	35 52
	esP	36 35
	eScP	37 26
	eP'P'	02 02 26
SPA	iP	01 34 20
	epP	36 22
	iS	42 35
Dec. 8		
SPA	eP	02 02 20
Dec. 8		
BYR	eP	05 26 06
Dec. 8		
BYR	e(P)	07 38 54
Dec. 8		
BYR	eP	08 04 20
Dec. 8		
SPA	iP	08 04 55
Dec. 8		
BYR	eP	08 55 43
SPA	eP	08 55 46
Dec. 8		
BYR	e(P)	09 58 32
SPA	eP	09 58 37

Date and Station		Phase (GCT)
		h m s
Dec. 8		
BYR	iP	11 29 09
	epP	29 40
	esP	29 53
	eP'P'	59 19
SPA	iP	11 29 52
	i	30 08
	iP'P'	59 40
Dec. 8		
SPA	iP	12 58 31
Dec. 8		
BYR	eP	14 42 10
	epP	42 26
	e	43 43
SPA	iP	14 42 45
	i	42 51
Dec. 8		
SPA	eP	15 39 42
Dec. 8		
BYR	eP	18 44 16
SPA	eP	18 44 14
Dec. 8		
SPA	eP	19 25 50
Dec. 8		
SPA	eP	21 40 18
Dec. 8		
BYR	eP	21 49 09
SPA	iP	21 48 57
Dec. 9		
BYR	eP	00 46 45
	epP	47 35
	e	48 36
SPA	iP	00 47 19
Dec. 9		
SPA	eP	02 25 21
Dec. 9		
BYR	eP	07 00 31
SPA	eP	07 00 20
Dec. 9		
BYR	eP	09 27 42
SPA	iP	09 27 27
Dec. 9		
BYR	eP	10 59 49
Dec. 9		
SPA	eP	11 13 51
Dec. 9		
BYR	e(P)	12 10 57

Date and Station		Phase (GCT)
		h m s
SPA	iP	12 11 49
Dec. 9		
SPA	iP	13 47 18
Dec. 9		
SPA	iP	14 12 47
Dec. 9		
SPA	iP	15 20 18
Dec. 9		
SPA	iP	16 00 13
Dec. 9		
BYR	iP	17 15 14
	e	15 44
	e	15 58
SPA	iP	17 15 57
Dec. 9		
SPA	iP	19 41 41
Dec. 9		
BYR	eP	20 27 16
SPA	eP	20 27 58
Dec. 9		
BYR	e(P)	21 01 02
Dec. 9		
BYR	eP'	21 45 51
SPA	iP'	21 45 39
Dec. 9		
BYR	e(P)	21 54 55
Dec. 10		
BYR	eP	00 28 31
Dec. 10		
BYR	eP	05 36 58
	e	37 04
	e	37 17
SPA	iP	05 37 48
Dec. 10		
BYR	eP	06 18 27
Dec. 10		
BYR	eP'	06 48 19
Dec. 10		
BYR	eP	09 06 14
SPA	eP	09 07 05
Dec. 10		
BYR	eP	11 51 44
SPA	iP	11 51 58
Dec. 10		
SPA	iP	12 02 23

Date and Station		Phase (GCT)
		h m s
Dec. 10		
BYR	eP	12 32 24
SPA	iP	12 32 41
	e	32 57
Dec. 10		
BYR	eP	13 43 25
	ipP	43 37
SPA	iP	13 44 02
	ipP	44 14
Dec. 10		
BYR	eP	14 08 15
	epP	09 05
	esP	09 37
SPA	iP	14 07 54
	i	09 04
Dec. 10		
SPA	iP	14 17 59
Dec. 10		
SPA	eP	15 31 03
Dec. 10		
BYR	eP	17 10 44
SPA	iP	17 11 11
	iPP	11 17
	iS	18 42
Dec. 10		
SPA	eP	18 33 17
Dec. 10		
BYR	eP	18 38 39
	e	39 29
SPA	iP	18 37 35
Dec. 10		
SPA	eP	20 28 05
Dec. 10		
BYR	eP	22 17 37
SPA	iP	22 17 38
Dec. 10		
BYR	iP	22 39 41
	e	40 36
SPA	iP	22 40 17
Dec. 10		
SPA	eP	23 08 55
Dec. 11		
BYR	eP	00 11 35
	epP	11 57
	eS	21 21
	eP'P'	40 24

Date and Station		Phase (GCT)
		h m s
SPA	iP	00 11 57
	ipP	12 18
	isP	12 30
	iS	20 39
	eP'P'	40 14
Dec. 11		
SPA	iP'	01 26 42
Dec. 11		
BYR	e(P)	01 50 24
SPA	eP	01 49 54
Dec. 11		
BYR	eP	03 31 35
	e	34 47
SPA	iP	03 31 16
Dec. 11		
SPA	eP	04 22 23
Dec. 11		
BYR	eP	04 47 46
SPA	iP	04 48 20
Dec. 11		
BYR	e(P)	05 02 36
SPA	eP	05 03 08
Dec. 11		
BYR	e(P)	06 14 26
Dec. 11		
BYR	eP	08 32 11
SPA	eP	08 34 28
Dec. 11		
BYR	e(P)	08 54 31
SPA	eP	08 53 28
Dec. 11		
SPA	iP	10 04 34
Dec. 11		
BYR	eP	13 39 01
SPA	eP	13 38 37
Dec. 11		
BYR	eP	14 30 49
	e	31 50
SPA	iP	14 31 22
	i	31 26
Dec. 11		
BYR	eP	17 47 40
Dec. 11		
BYR	eP	18 35 57
SPA	iP	18 36 12

Date and Station	Phase	Phase (GCT)
		h m s
Dec. 11		
BYR	eP	19 04 22
	e	17 21
	ePKKP	24 22
	eP'P'	32 16
SPA	iP	19 04 38
	ipP	04 55
	isP	05 40
	i	17 38
	iP'P'	31 49
Dec. 11		
SPA	iP	19 56 18
Dec. 11		
BYR	eP	22 02 00
Dec. 12		
BYR	eP	02 24 17
Dec. 12		
BYR	eP	03 59 12
Dec. 12		
BYR	eP	04 30 14
Dec. 12		
BYR	eP	06 51 04
Dec. 12		
BYR	iP	07 17 32
Dec. 12		
BYR	eP	09 41 12
Dec. 12		
BYR	e(P)	10 05 03
Dec. 12		
BYR	eP	10 13 58
Dec. 12		
BYR	e(P)	11 32 45
	e	33 23
Dec. 12		
BYR	eP	11 44 07
	e	44 46
	ePP	47 37
Dec. 12		
BYR	eP	12 25 37
Dec. 12		
BYR	eP	19 20 09
Dec. 13		
BYR	eP	00 08 48
Dec. 13		
BYR	eP	04 42 32
Dec. 13		
BYR	eP	07 43 26
	e	08 13 59
	eP'P'	15 57
Dec. 13		
BYR	eP	09 08 16

Date and Station	Phase	Phase (GCT)
		h m s
Dec. 13		
BYR	iP	09 13 27
Dec. 13		
BYR	eP'	10 24 12
Dec. 13		
BYR	eP	10 34 42
Dec. 13		
BYR	eP	10 55 11
Dec. 13		
BYR	e(P)	17 50 40
Dec. 14		
BYR	e(P)	06 26 56
Dec. 14		
BYR	eP	06 29 49
Dec. 14		
SPA	iP	07 17 01
Dec. 14		
BYR	eP	08 22 36
	ePcP	23 44
SPA	iP	08 23 10
	iPcP	24 06
	i	25 37
	eP*P*	52 57
Dec. 14		
BYR	e(P)	09 26 55
Dec. 14		
SPA	eP	09 43 49
Dec. 14		
SPA	eP	10 47 47
Dec. 14		
SPA	eP	11 19 32
Dec. 14		
SPA	eP	12 14 43
Dec. 14		
SPA	iP	13 24 00
Dec. 14		
BYR	e(P)	13 29 02
Dec. 14		
BYR	iP	14 30 34
	ipP	30 59
	e	31 25
	ePP	32 25
	ePcP	32 53
SPA	iP	14 30 41
	iPP	32 21
Dec. 14		
BYR	e(P)	21 57 06
Dec. 14		
BYR	e(P)	22 10 44

Date and Station	Phase	Phase (GCT)
		h m s
Dec. 15		
BYR	eP	00 04 56
	i(pP)	05 25
	e(P')	08 12
	e	08 53
	eS	16 10
	e	19 34
SPA	iP	00 04 39
	ipP	05 11
	i SKS	14 57
	iP*P*	29 58
Dec. 15		
BYR	eP	04 35 46
Dec. 15		
SPA	eP	07 55 22
Dec. 15		
BYR	eP	09 08 33
Dec. 15		
BYR	eP	10 14 14
SPA	iP	10 13 56
Dec. 15		
SPA	eP	14 09 53
Dec. 15		
BYR	eP	15 24 34
SPA	eP	15 24 06
Dec. 15		
BYR	eP	16 27 20
	e	27 48
SPA	eP	16 27 54
Dec. 15		
BYR	eP	18 43 38
	epP	45 38
SPA	eP	18 44 07
Dec. 16		
SPA	eP	03 45 25
Dec. 16		
SPA	eP	04 31 11
Dec. 16		
SPA	iP	05 21 20
	i	21 36
	ipP	21 41
Dec. 16		
SPA	iP	06 56 19
Dec. 16		
SPA	eP	07 52 01
Dec. 16		
SPA	iP	09 03 50
Dec. 16		
SPA	iP	10 24 53

Date and Station	Phase	Phase (GCT)
		h m s
Dec. 16		
SPA	eP	14 36 08
Dec. 16		
SPA	iP	15 42 03
Dec. 16		
SPA	eP	16 14 03
Dec. 16		
SPA	iP'	18 40 47
Dec. 16		
SPA	eP	19 44 25
Dec. 16		
SPA	eP	21 13 48
Dec. 16		
SPA	eP	22 48 19
Dec. 17		
SPA	eP	00 44 55
Dec. 17		
SPA	e(P)	01 00 45
Dec. 17		
SPA	eP	01 10 58
Dec. 17		
SPA	iP	01 15 13
Dec. 17		
BYR	eP	02 14 27
Dec. 17		
BYR	eP	02 15 43
Dec. 17		
BYR	eP	02 20 21
SPA	iP	02 20 28
Dec. 17		
BYR	eP'	02 23 35
SPA	iP'	02 23 44
	i	23 52
Dec. 17		
BYR	eP	05 29 43
SPA	iP	05 29 35
Dec. 17		
SPA	iP	06 44 12
Dec. 17		
SPA	eP	07 32 29
Dec. 17		
BYR	iP	07 49 24
	i	49 42
	iPcP	49 53
SPA	iP	07 50 05
	i	50 25
	iPcP	50 34

Date and Station	Phase	Phase (GCT) h m s
Dec. 17		
SPA	eP	09 37 25
Dec. 17		
SPA	e(P)	09 53 34
Dec. 17		
BYR	iP	10 49 45
	ipP	50 51
	ePP	53 22
	ePKKP	11 06 52
SPA	iP	10 49 13
	i	49 40
	ipP	50 15
	iS	59 06
	i	11 00 18
	isS	01 12
	iPKKP	07 30
	eP'P'	15 27
	iSKPP'	18 31
Dec. 17		
BYR	eP	11 51 28
SPA	iP	11 52 18
Dec. 17		
BYR	eP	12 10 13
SPA	iP	12 10 43
Dec. 17		
BYR	eP	12 20 12
SPA	iP	12 20 48
Dec. 17		
BYR	e(P)	12 57 17
Dec. 17		
SPA	eP	13 23 18
Dec. 17		
SPA	iP'	13 33 35
Dec. 17		
SPA	eP	14 57 47
Dec. 17		
BYR	eP	16 12 44
SPA	iP	16 12 51
	ipP	13 25
Dec. 17		
BYR	e(P)	16 16 16
SPA	iP	16 16 38
	i	16 48
Dec. 17		
BYR	eP	16 25 36
SPA	iP	16 26 28
Dec. 17		
BYR	eP'	17 04 01
	e	04 14

Date and Station	Phase	Phase (GCT) h m s
SPA	iP	17 04 18
Dec. 17		
SPA	iP	18 01 24
Dec. 17		
BYR	eP	18 19 09
SPA	iP	18 19 27
Dec. 17		
SPA	iP	18 24 48
Dec. 17		
BYR	eP	18 54 34
SPA	iP	18 53 49
Dec. 17		
BYR	eP	21 00 10
	e	00 28
SPA	iP	21 00 44
Dec. 17		
SPA	eP	23 16 12
Dec. 17		
SPA	eP	23 37 11
Dec. 17		
SPA	eP	23 47 39
Dec. 18		
BYR	eP	03 27 39
SPA	iP	03 28 05
Dec. 18		
SPA	eP	03 49 37
Dec. 18		
BYR	e(P)	04 20 12
Dec. 18		
BYR	eP	05 22 37
	epP	23 08
	esP	23 22
SPA	iP	05 23 00
Dec. 18		
SPA	iP	05 43 21
Dec. 18		
SPA	eP	06 33 55
Dec. 18		
BYR	eP	07 00 22
SPA	iP	07 00 49
Dec. 18		
BYR	eP	07 54 47
Dec. 18		
BYR	eP	09 21 04
	e	21 16

Date and Station	Phase	Phase (GCT) h m s
Dec. 18		
BYR	e(P)	10 16 40
Dec. 18		
SPA	eP	10 38 10
Dec. 18		
BYR	eP	11 11 32
SPA	e(P)	11 12 25
Dec. 18		
SPA	eP	13 01 53
Dec. 18		
BYR	eP	15 00 30
SPA	eP	15 01 24
Dec. 18		
SPA	eP	18 03 37
Dec. 18		
BYR	e(P)	18 34 51
	eP'	38 00
	ePP	38 48
SPA	iP	18 34 26
Dec. 18		
BYR	iP	19 38 55
	epP	39 38
SPA	iP	19 39 34
Dec. 18		
BYR	eP	21 07 07
SPA	iP	21 07 05
Dec. 18		
BYR	eP	23 15 46
Dec. 18		
SPA	eP	03 05 31
Dec. 19		
SPA	iP	05 59 59
Dec. 19		
SPA	eP	06 36 19
Dec. 19		
SPA	iP	07 10 59
	i	11 12
Dec. 19		
SPA	iP	09 51 51
	i	51 58
Dec. 19		
SPA	eP	10 14 16
Dec. 19		
SPA	eP	12 14 40
Dec. 19		
SPA	eP	12 50 52

Date and Station	Phase	Phase (GCT) h m s
Dec. 19		
BYR	eP	13 11 55
SPA	iP	13 12 11
Dec. 19		
BYR	eP	13 32 08
	i	32 17
SPA	iP	13 32 50
	i	33 03
Dec. 19		
BYR	eP	13 48 26
SPA	iP	13 48 25
Dec. 19		
SPA	eP	14 51 09
Dec. 19		
SPA	iP	15 01 54
Dec. 19		
SPA	iP	16 04 42
Dec. 19		
SPA	eP'	19 17 31
Dec. 19		
BYR	e(P)	19 38 14
Dec. 19		
SPA	eP	20 44 23
Dec. 19		
SPA	eP	21 15 45
Dec. 19		
BYR	eP	22 25 36
	e	29 04
SPA	iP	22 25 51
	i	25 57
	i	29 18
Dec. 19		
BYR	eP	22 58 05
SPA	iP	22 58 20
Dec. 20		
BYR	e(P)	01 10 55
SPA	eP	01 10 09
Dec. 20		
SPA	iP	02 06 46
Dec. 20		
SPA	eP	03 40 42
Dec. 20		
BYR	eP	04 48 09
Dec. 20		
SPA	eP	05 22 00

Date and Station		Phase (GCT)
		h m s
Dec. 20		
SPA	eP	06 45 23
Dec. 20		
SPA	eP	08 05 55
Dec. 20		
BYR	eP	11 51 42
	e	57 20
SPA	iP	11 52 12
	i	52 30
	ipP	54 19
Dec. 20		
SPA	e(P)	12 08 12
Dec. 20		
BYR	eP	12 28 18
Dec. 20		
SPA	iP	14 08 52
Dec. 20		
SPA	eP	16 41 04
Dec. 20		
SPA	iP	17 27 23
Dec. 20		
BYR	eP	18 48 50
SPA	iP	18 50 18
Dec. 20		
SPA	eP	20 15 06
Dec. 20		
BYR	eP	20 48 54
SPA	iP	20 47 38
Dec. 20		
BYR	e(P)	20 54 48
SPA	iP	20 55 03
Dec. 20		
BYR	eP	21 03 37
SPA	iP	21 03 51
Dec. 20		
SPA	eP	21 22 54
Dec. 20		
BYR	e(P)	21 39 57
Dec. 20		
BYR	eP	22 15 06
Dec. 21		
BYR	eP	00 08 06
Dec. 21		
SPA	iP	01 10 33
Dec. 21		
SPA	iP	02 09 37

Date and Station		Phase (GCT)
		h m s
Dec. 21		
BYR	eP	05 03 53
Dec. 21		
BYR	eP	06 13 46
SPA	iP	06 14 12
Dec. 21		
SPA	eP	07 34 47
Dec. 21		
BYR	e(P)	10 00 59
SPA	iP	10 01 10
Dec. 21		
SPA	eP	13 12 14
Dec. 21		
BYR	iP'	14 59 14
	epP'	59 55
	iPP	15 02 43
	e	08 46
SPA	iP	14 59 30
	i	59 39
	i	59 45
	ipP'	15 00 13
	i	05 21
Dec. 21		
SPA	eP	16 18 24
Dec. 21		
BYR	eP	16 58 53
SPA	iP	16 59 08
Dec. 21		
BYR	eP	18 43 56
SPA	iP	18 44 18
Dec. 21		
SPA	eP	21 07 50
Dec. 21		
SPA	eP	21 50 50
Dec. 21		
BYR	iP	22 35 29
	ePcP	38 55
	eL	41 05
	e	48 18
SPA	iP	22 35 42
	i	36 15
	iPP	36 31
	iPcP	39 13
Dec. 21		
BYR	iP	22 52 40
SPA	iP	22 53 01
Dec. 21		
SPA	iP	23 11 08

Date and Station		Phase (GCT)
		h m s
Dec. 22		
SPA	iP	01 12 18
Dec. 22		
BYR	iP	01 31 21
SPA	iP	01 31 36
	i	31 43
Dec. 22		
BYR	iP	02 34 30
	epP	35 41
SPA	iP	02 3503
	ipP	36 16
	iS	42 50
Dec. 22		
BYR	eP	03 21 03
SPA	eP	03 19 59
Dec. 22		
BYR	iP	03 58 07
	ipP	58 42
	eP'P'	04 26 24
SPA	eP	03 59 22
Dec. 22		
BYR	iP	06 40 44
	i	40 53
	eP'P'	07 10 50
SPA	iP	06 41 21
	i	41 52
	iPcP	42 10
	iP'P'	07 10 34
Dec. 22		
SPA	eP	07 37 17
Dec. 22		
SPA	iP	10 16 04
Dec. 22		
BYR	eP	10 58 29
Dec. 22		
BYR	eP	11 32 38
SPA	iP	11 32 55
Dec. 22		
BYR	eP	12 12 38
SPA	iP	12 12 32
Dec. 22		
BYR	iP	12 30 42
	ipP	30 54
	ePcP	32 00
SPA	iP	12 31 27
	ipP	31 40
	isP	31 50
	iP'P'	13 01 05
Dec. 22		
BYR	eP	14 22 00

Date and Station		Phase (GCT)
		h m s
SPA	iP	14 22 37
	ipP	22 48
Dec. 22		
BYR	eP	14 46 54
SPA	iP	14 47 11
	i	47 39
Dec. 22		
BYR	eP	14 50 22
SPA	iP	14 50 42
Dec. 22		
BYR	eP	16 28 40
SPA	iP	16 29 32
Dec. 22		
SPA	eP	17 14 16
Dec. 22		
BYR	iP	21 14 18
	i	15 49
	ipP	15 55
	e	16 33
	eS	24 00
	ePKKP	33 26
	eSKPP'	43 20
SPA	iP	21 14 22
	i	14 53
	i	15 13
	ipP	16 08
	iS	24 09
	i	32 40
	iSKPP'	43 23
Dec. 23		
SPA	eP	04 14 06
Dec. 23		
SPA	eP	06 07 58
Dec. 23		
SPA	eP	06 47 36
Dec. 23		
BYR	eP	09 54 57
	epP	55 19
	ePKKP	10 11 52
SPA	iP	09 54 20
	ipP	54 40
	iPKKP	10 10 58
	iP'P'	20 15
Dec. 23		
SPA	iP	11 01 36
BYR	eP'	11 05 58
Dec. 23		
BYR	eP	12 13 37
SPA	iP	12 14 09

Date and Station		Phase (GCT)
		h m s
Dec. 23		
BYR	eP	13 16 18
	e	16 33
Dec. 23		
BYR	eP	13 21 56
Dec. 23		
BYR	eP	13 39 46
SPA	iP	13 39 55
Dec. 23		
BYR	eP	14 46 32
	epP	46 47
SPA	iP	14 47 25
Dec. 23		
BYR	eP	16 26 09
SPA	iP	16 26 24
Dec. 23		
BYR	eP	19 16 26
SPA	iP	19 17 03
	iPcP	17 28
	ipP	17 43
	iP'P'	46 09
Dec. 23		
BYR	eP	19 49 16
Dec. 23		
BYR	eP	20 16 40
SPA	iP	20 17 17
Dec. 24		
BYR	eP	00 14 12
Dec. 24		
BYR	eP	04 07 51
SPA	iP	04 06 55
Dec. 24		
BYR	eP	05 12 51
SPA	iP	05 13 27
Dec. 24		
SPA	iP	05 40 32
Dec. 24		
SPA	eP	09 13 41
Dec. 24		
BYR	eP	10 46 33
	e	46 42
SPA	iP	10 47 09
Dec. 24		
BYR	e(P)	12 40 06
SPA	iP	12 40 56

Date and Station		Phase (GCT)
		h m s
Dec. 24		
SPA	iP	15 39 23
Dec. 24		
BYR	eP	16 43 14
Dec. 24		
BYR	eP	16 51 32
SPA	iP	16 51 16
	ipP	51 27
Dec. 24		
SPA	iP	18 45 26
Dec. 24		
BYR	eP	21 16 23
SPA	iP	21 16 57
Dec. 24		
BYR	eP	21 43 51
SPA	iP	21 44 48
Dec. 24		
SPA	eP	22 45 06
Dec. 24		
SPA	iP	23 27 34
Dec. 24		
BYR	eP	23 30 32
SPA	iP	23 31 12
Dec. 25		
SPA	iP	02 45 48
Dec. 25		
BYR	eP	05 10 56
Dec. 25		
BYR	eP'	05 39 45
SPA	eP'	05 39 43
Dec. 25		
BYR	eP	06 01 44
SPA	iP	06 01 58
Dec. 25		
SPA	iP	09 02 38
Dec. 25		
BYR	eP	11 23 24
SPA	iP	11 24 06
Dec. 25		
SPA	eP	11 34 48
Dec. 25		
SPA	eP	15 31 22
Dec. 25		
BYR	iP	17 43 21
	e	43 33

Date and Station		Phase (GCT)
		h m s
SPA	iP	17 44 07
	i	44 23
Dec. 25		
BYR	eP	18 34 18
SPA	iP	18 34 48
Dec. 25		
BYR	eP'	20 47 17
SPA	iP	20 47 06
Dec. 25		
BYR	iP	22 19 09
Dec. 26		
SPA	eP	00 57 15
Dec. 26		
BYR	eP	01 06 26
	ePcP	06 56
SPA	iP	01 07 00
	iP'P'	35 31
Dec. 26		
BYR	iP'	02 03 44
	epP'	04 06
SPA	iP'	02 03 02
Dec. 26		
BYR	iP	04 39 21
	e	40 46
	eS	44 36
	eScS	49 32
Dec. 26		
BYR	eP	05 21 44
Dec. 26		
BYR	eP	05 49 37
Dec. 26		
BYR	eP	06 16 16
SPA	iP	06 15 10
Dec. 26		
BYR	eP	07 21 47
SPA	eP	07 22 24
Dec. 26		
BYR	eP	09 21 45
Dec. 26		
BYR	eP	13 50 43
SPA	iP	13 50 55
	i	51 08
	iPcP	52 58
Dec. 26		
SPA	eP	14 42 05
Dec. 26		
BYR	eP	17 27 58

Date and Station		Phase (GCT)
		h m s
Dec. 26		
SPA	eP	18 57 15
Dec. 26		
SPA	eP'	21 02 12
Dec. 26		
SPA	iP	21 37 27
Dec. 26		
BYR	eP	22 24 50
Dec. 26		
BYR	eP	23 54 47
	e	54 56
SPA	eP	23 55 26
Dec. 27		
SPA	iP	00 28 10
Dec. 27		
BYR	eP	03 31 34
	e	32 10
SPA	eP	03 31 54
Dec. 27		
SPA	iP	04 22 17
Dec. 27		
SPA	eP	05 46 48
Dec. 27		
BYR	eP	06 49 44
Dec. 27		
BYR	eP	07 43 29
Dec. 27		
BYR	iP	08 23 44
SPA	iP	08 23 25
Dec. 27		
BYR	eP	10 14 33
SPA	eP	10 15 32
Dec. 27		
BYR	eP'	10 54 18
SPA	iP'	10 54 40
	ipP'	54 49
	iSKP	58 10
Dec. 27		
SPA	iP'	11 15 55
	iSKS	22 49
Dec. 27		
SPA	iP'	11 28 18
Dec. 27		
BYR	e(P')	12 04 56
SPA	eP	12 00 43

8-4297-4

Date and Station		Phase (GCT)
		h m s
Dec. 27		
BYR	eP	15 18 12
SPA	eP	15 19 29
Dec. 27		
BYR	iP	15 44 52
SPA	iP	15 45 26
Dec. 27		
BYR	eP	18 20 55
	eP'P'	48 54
SPA	iP	18 21 36
	i	22 10
Dec. 27		
BYR	eP	19 30 13
SPA	iP	19 30 48
Dec. 27		
SPA	eP	19 53 39
Dec. 27		
BYR	eP	20 17 25
SPA	eP	20 17 12
Dec. 27		
BYR	e(P)	22 03 28
Dec. 28		
BYR	iP	02 07 38
Dec. 28		
BYR	e(P)	02 52 12
Dec. 28		
BYR	eP	05 01 56
Dec. 28		
BYR	e(P)	07 04 55
SPA	eP	07 04 31
Dec. 28		
BYR	eP	07 44 58
Dec. 28		
SPA	iP	09 34 24
Dec. 28		
BYR	eP	12 58 17
	e	59 26
Dec. 28		
SPA	eP	13 16 09
Dec. 28		
BYR	eP	13 27 17
Dec. 28		
BYR	eP	14 44 12
Dec. 28		
BYR	eP	14 57 50

Date and Station		Phase (GCT)
		h m s
SPA	iP	14 57 44
	i	57 51
	i	15 06 10
Dec. 28		
BYR	eP	16 14 30
SPA	eP	16 15 24
Dec. 28		
BYR	eP	16 35 11
SPA	eP	17 17 32
Dec. 28		
SPA	eP	18 16 52
Dec. 28		
BYR	eP	18 18 37
SPA	iP	18 18 59
Dec. 28		
SPA	iP'	20 05 05
Dec. 28		
SPA	iP	21 02 25
Dec. 28		
SPA	iP	22 07 36
Dec. 28		
BYR	iP	22 29 47
SPA	iP	22 30 21
Dec. 29		
BYR	iP	00 53 52
SPA	iP	00 53 16
Dec. 29		
SPA	eP	01 15 57
Dec. 29		
SPA	eP	03 05 43
Dec. 29		
BYR	eP	06 07 34
SPA	eP	06 07 43
Dec. 29		
BYR	eP	06 12 53
SPA	iP	06 13 28
Dec. 29		
BYR	e(P)	06 24 46
	e	26 11
Dec. 29		
BYR	eP	10 01 01
SPA	eP	10 01 01

Date and Station		Phase (GCT)
		h m s
Dec. 29		
BYR	eP	10 44 03
	eL	53 11
	e	58 22
SPA	iP	10 44 58
	i	45 27
	i	45 51
	i(S)	52 04
	i	59 18
Dec. 29		
BYR	eP	11 15 49
SPA	eP	11 16 29
Dec. 29		
BYR	eP	11 51 43
SPA	eP	11 52 12
Dec. 29		
SPA	iP	13 35 47
Dec. 29		
BYR	eP	13 55 09
	e	14 00 19
	i	01 48
SPA	iP	13 55 04
	ipP	55 20
	isP	55 27
	i	14 02 43
Dec. 29		
SPA	eP	16 04 08
Dec. 29		
BYR	eP	17 30 47
Dec. 29		
BYR	eP'	18 37 07
SPA	eP'	18 37 41
Dec. 29		
BYR	iP	19 12 17
	ipP	12 33
SPA	iP	19 12 55
	i	14 10
	i	14 21
Dec. 29		
SPA	iP	20 03 54
Dec. 29		
BYR	e(P)	20 33 33
Dec. 29		
BYR	iP	20 39 45
	e	41 20
SPA	iP	20 40 40
	i	43 16

Date and Station		Phase (GCT)
		h m s
Dec. 29		
SPA	iP'	20 52 40
Dec. 29		
BYR	e(P)	21 24 18
Dec. 29		
BYR	eP	21 39 36
SPA	iP	21 40 31
Dec. 29		
BYR	e(P)	22 16 30
Dec. 30		
BYR	eP	00 30 21
Dec. 30		
BYR	eP	00 36 42
Dec. 30		
BYR	eP	01 54 14
Dec. 30		
BYR	eP	04 07 29
	e	09 48
Dec. 30		
BYR	iP	05 26 50
Dec. 30		
BYR	e(P)	05 41 51
Dec. 30		
BYR	eP	08 07 36
SPA	eP	08 08 10
Dec. 30		
BYR	eP	08 39 46
SPA	eP	08 39 45
Dec. 30		
BYR	eP	09 10 11
SPA	iP	09 11 09
Dec. 30		
BYR	e(P)	10 59 17
Dec. 30		
BYR	iP	11 14 29
	i	14 54
SPA	iP	11 15 08
	i	15 33
Dec. 30		
BYR	eP	11 38 10
SPA	iP	11 39 00
Dec. 30		
BYR	eP	13 23 43
SPA	eP	13 24 36

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			Dec. 31								
BYR	eP	14 47 39	SPA	iP	16 29 01						
SPA	iP	14 47 54	Dec. 31								
			BYR	eP	16 38 47						
Dec. 30											
SPA	eP	16 08 47	Dec. 31								
			BYR	iP	18 15 37						
Dec. 30				ePcP	17 45						
BYR	eP	17 15 11									
			SPA	iP	18 16 31						
SPA	iP	17 15 46		ipP	16 40						
				isP	16 46						
Dec. 31				iPcP	18 09						
BYR	eP	00 17 40									
	epP	17 56	Dec. 31								
			BYR	eP	19 15 12						
Dec. 31											
SPA	iP	04 35 59	Dec. 31								
			BYR	eP	20 11 46						
Dec. 31											
BYR	eP	07 16 51	SPA	iP	20 11 27						
SPA	eP	07 17 43	Dec. 31								
			BYR	iP	21 18 25						
Dec. 31				epP	18 52						
BYR	eP	07 34 45									
			SPA	iP	21 18 26						
SPA	iP	07 35 50									
Dec. 31											
BYR	eP	07 48 47									
SPA	eP	07 49 55									
Dec. 31											
BYR	eP	07 56 01									
SPA	eP	07 57 03									
Dec. 31											
BYR	eP	08 31 04									
SPA	iP	08 31 13									
Dec. 31											
BYR	iP	08 56 28									
	e	57 00									
SPA	iP	08 57 07									
Dec. 31											
BYR	eP	11 25 05									
SPA	iP	11 25 58									
Dec. 31											
BYR	eP	13 39 12									
SPA	iP	13 39 58									
Dec. 31											
SPA	eP	14 55 15									
Dec. 31											
BYR	iP	16 18 12									
SPA	iP	16 17 45									