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SEISMOLOGICAL BULLETIN

SOUTH POLE - BYRD SUPPLEMENT

COAST & GEODETIC SURVEY - Sept. 1961

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SEISMOLOGICAL BULLETIN
SOUTH POLE-BYRD SUPPLEMENT

July-September, 1961

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

Station	Latitude	Longitude	Foundation	Elevation	Instruments	Components	To (Sec.)	Tg (Sec.)	Time Scale
South Pole (SPA) In Charge: Terry Hardiman	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: Leroy Pankratz	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
Jul. 1		
BYR	eP'	00 21 56.0
SPA	eP'	00 22 11.0
Jul. 1		
BYR	eP	02 00 04.0
SPA	eP	02 00 40.0
Jul. 1		
BYR	iP	03 04 16.0
Jul. 1		
SPA	eP	03 18 57.0
Jul. 1		
BYR	eP	04 00 08.0
SPA	iP	04 00 27.0
Jul. 1		
BYR	eP	04 04 05.0
SPA	eP	04 04 20.0
Jul. 1		
BYR	e(P)	04 28 19.0
	i	28 29.0
Jul. 1		
SPA	iP	07 18 47.0
Jul. 1		
BYR	eP	08 06 07.0
	e	06 14.0
Jul. 1		
BYR	eP'	08 18 45.0
	epP	19 23.0
Jul. 1		
BYR	eP	10 49 44.0
SPA	eP	10 50 01.0
Jul. 1		
BYR	eP	11 52 11.0
SPA	iP	11 52 09.0
Jul. 1		
BYR	eP	13 21 34.0
	epP	21 47.0
SPA	iP	13 22 37.0
Jul. 1		
BYR	iP	13 43 11.0
Jul. 1		
BYR	eP	16 08 48.0
	e	10 59.0
Jul. 1		
BYR	iP	19 00 58.0
SPA	iP	19 01 28.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Date and Station		Phase	(GCT) h m s
Jul. 28			
BYR		iP	00 19 12.0
Jul. 28			
BYR		eP'	00 52 54.0
Jul. 28			
BYR		eP	01 02 02.0
Jul. 28			
BYR		iP	01 17 27.0
		epP	18 04.0
		eP'P'	44 00.0
SPA		iP	01 18 05.0
Jul. 28			
SPA		e(P)	02 59 54.0
Jul. 28			
SPA		e(P)	05 06 15.0
Jul. 28			
BYR		eP	06 22 41.0
Jul. 28			
BYR		eP	06 50 43.0
Jul. 28			
BYR		eP	08 40 11.0
Jul. 28			
BYR		eP	09 21 30.0
Jul. 28			
BYR		eP	12 49 38.0
SPA		eP	12 50 15.0
Jul. 28			
BYR		e(P)	13 31 44.0
Jul. 28			
BYR		eP	13 33 54.0
SPA		iP	13 33 31.0
Jul. 28			
BYR		e(P)	14 30 06.0
		e	30 17.0
SPA		iP	14 29 55.0
Jul. 28			
BYR		iP'	15 38 55.0
		ePKKP	50 33.0
SPA		iP'	15 38 54.0
		ePKKP	50 20.0
Jul. 28			
BYR		eP	16 49 15.0
Jul. 28			
BYR		iP	17 10 22.0
SPA		eP	17 10 58.0
Jul. 28			
BYR		iP	17 27 42.0
SPA		iP	17 28 02.0
Jul. 28			
SPA		eP	19 10 07.0
Jul. 28			
SPA		eP	23 54 26.0
Jul. 28			
BYR		eP	24 09 29.0
SPA		eP	24 09 28.0
Jul. 29			
BYR		eP	01 15 23.0
Jul. 29			
BYR		eP	01 51 13.0
Jul. 29			
BYR		iP	02 00 19.0
SPA		iP	02 00 02.0
Jul. 29			
BYR		eP	05 27 33.0
		e	28 09.0
Jul. 29			
SPA		e(P)	07 38 13.0
Jul. 29			
SPA		e(P)	10 37 37.0
Jul. 29			
BYR		iP	10 42 49.0
		e	49 37.0
Jul. 29			
BYR		eP	12 02 28.0
SPA		iP	12 02 11.0
Jul. 29			
BYR		e	12 23 20.0
Jul. 29			
BYR		iP	16 38 31.0
Jul. 29			
SPA		eP	17 06 32.0
Jul. 29			
BYR		eP	18 06 45.0
Jul. 29			
BYR		eP	18 43 40.0
Jul. 29			
BYR		e(P)	22 42 02.0
Jul. 29			
BYR		eP	22 51 22.0
SPA		iP	22 51 09.0
Jul. 29			
BYR		iP	23 48 24.0
Jul. 30			
BYR		eP	00 25 54.0
SPA		iP	00 03 24.0
Jul. 30			
BYR		e(P)	00 16 34.0
Jul. 30			
BYR		e(P)	00 42 14.0
Jul. 30			
BYR		eP	02 44 10.0
Jul. 30			
BYR		e(P)	03 33 37.0
Jul. 30			
BYR		eP	06 13 44.0
		e	17 36.0
Jul. 30			
BYR		eP	06 44 37.0
Jul. 30			
BYR		eP	07 00 45.0
Jul. 30			
BYR		eP	07 37 37.0
Jul. 30			
SPA		eP	08 20 34.0
Jul. 30			
BYR		eP	10 09 57.0
Jul. 30			
BYR		iP	12 16 44.0
Jul. 30			
BYR		eP	13 30 24.0
SPA		iP	13 30 54.0
Jul. 30			
BYR		iP	14 17 19.0
		epP	17 35.0
		esP	17 44.0
SPA		iP	14 17 37.0
Jul. 30			
BYR		iP	15 12 32.0
		e	13 02.0
		e	13 16.0
Jul. 30			
BYR		iP	15 46 48.0
SPA		iP	15 47 24.0
Jul. 30			
BYR		eP	16 25 43.0
Jul. 30			
BYR		e(P)	17 31 52.0
Jul. 30			
BYR		iP	17 40 08.0
		e	40 24.0
Jul. 30			
BYR		eP	17 55 08.0
Jul. 30			
BYR		eP	20 44 36.0
Jul. 31			
BYR		iP	00 28 35.0
		epP	29 37.0
SPA		iP	00 28 06.0
Jul. 31			
BYR		iP	01 29 22.0
SPA		iP	01 29 06.0
		e	29 50.0
Jul. 31			
SPA		eP	02 58 48.0
Jul. 31			
BYR		eP	03 30 21.0
Jul. 31			
SPA		e(P)	03 48 24.0
Jul. 31			
BYR		iP'	05 21 12.0
Jul. 31			
BYR		iP	06 14 13.0
Jul. 31			
BYR		eP	06 29 09.0
SPA		iP	06 29 41.0
		e	30 28.0
Jul. 31			
BYR		eP	07 02 47.0
SPA		eP	07 02 12.0
Jul. 31			
BYR		eP	07 15 26.0
Jul. 31			
BYR		eP	08 41 43.0
SPA		eP	08 42 01.0
Jul. 31			
SPA		eP	08 46 51.0
Jul. 31			
BYR		iP	09 27 55.0
Jul. 31			
BYR		iP	10 13 46.0
SPA		eP	10 13 27.0
Jul. 31			
BYR		iP	10 23 24.0

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

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

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

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

Date and Station		Phase (GCT) h m s
Aug. 2		
BYR	eP	20 26 22.0
	e	31 36.0
SPA	eP	20 26 36.0
Aug. 2		
SPA	eP	21 50 06.0
Aug. 2		
BYR	eP	23 08 28.0
Aug. 2		
BYR	e(P)	23 51 41.0
	e	57 18.0
Aug. 3		
SPA	eP	03 16 58.0
Aug. 3		
BYR	iP	03 21 48.0
	e	21 58.0
SPA	eP'	03 26 02.0
Aug. 3		
SPA	iP	05 00 15.0
Aug. 3		
BYR	iP	06 36 41.0
Aug. 3		
BYR	e(P)	07 02 54.0
Aug. 3		
BYR	iP	07 04 14.0
SPA	iP	07 04 07.0
Aug. 3		
BYR	iP	07 34 18.0
Aug. 3		
BYR	iP	07 45 05.0
SPA	eP	07 44 44.0
Aug. 3		
BYR	e(P)	11 59 25.0
	e	12 00 12.0
Aug. 3		
BYR	eP	13 39 25.0
Aug. 3		
BYR	eP'	14 44 18.0
Aug. 3		
BYR	eP	15 28 12.0
	e	28 17.0
SPA	iP	15 28 53.0
Aug. 3		
BYR	eP	15 59 49.0
Aug. 3		
BYR	eP	16 18 00.0
SPA	iP	16 17 31.0

Date and Station		Phase (GCT) h m s
Aug. 3		
BYR	eP	16 43 47.0
SPA	iP	16 44 20.0
Aug. 3		
BYR	eP	17 21 56.0
Aug. 4		
BYR	e(P)	00 03 18.0
Aug. 4		
BYR	eP	01 30 36.0
Aug. 4		
SPA	e(P)	04 01 09.0
Aug. 4		
BYR	eP'	07 36 59.0
SPA	eP'	07 37 14.0
Aug. 4		
BYR	eP	08 48 17.0
Aug. 4		
BYR	iP	08 53 58.0
Aug. 4		
BYR	iP	09 11 16.0
SPA	eP	09 11 51.0
	e	18 43.0
Aug. 4		
SPA	eP	09 20 24.0
Aug. 4		
BYR	eP	09 25 35.0
Aug. 4		
BYR	eP'	10 55 44.0
SPA	eP'	10 55 53.0
Aug. 4		
BYR	iP	13 45 33.0
SPA	iP	13 45 16.0
Aug. 4		
BYR	e(P)	16 27 26.0
Aug. 4		
BYR	e(P)	16 41 40.0
Aug. 4		
BYR	eP	17 59 24.0
SPA	iP	18 00 01.0
Aug. 4		
BYR	eP	18 30 08.0
Aug. 4		
BYR	eP	19 06 01.0
Aug. 4		
BYR	iP	20 19 36.0
	e	20 40.0

Date and Station		Phase (GCT) h m s
Aug. 4		
SPA	iP	20 19 01.0
Aug. 4		
BYR	eP'	23 12 03.0
	ipP'	12 22.0
SPA	eP'	23 12 05.0
Aug. 4		
BYR	iP	23 41 47.0
	epP	43 22.0
SPA	iP	23 42 18.0
Aug. 5		
SPA	iP	00 55 26.0
Aug. 5		
BYR	eP	01 04 19.0
SPA	eP	01 04 57.0
Aug. 5		
BYR	iP	01 19 24.0
SPA	iP	01 19 38.0
Aug. 5		
BYR	eP	02 19 23.0
Aug. 5		
BYR	iP'	02 45 41.0
	e	46 08.0
SPA	iP	02 46 08.0
	e	46 15.0
Aug. 5		
BYR	e(P)	03 09 55.0
Aug. 5		
BYR	e(P)	03 27 09.0
Aug. 5		
BYR	eP	04 25 58.0
SPA	eP	04 26 35.0
Aug. 5		
BYR	eP'	06 29 36.0
SPA	eP'	06 29 42.0
Aug. 5		
BYR	eP	06 52 49.0
SPA	eP	06 53 22.0
Aug. 5		
BYR	iP	08 27 09.0
SPA	iP	08 27 43.0
Aug. 5		
BYR	eP	08 46 59.0
Aug. 5		
BYR	iP	09 38 20.0
	epP	38 50.0

Date and Station		Phase (GCT) h m s
SPA	iP	09 38 58.0
Aug. 5		
SPA	eP	10 06 54.0
Aug. 5		
SPA	e(P)	12 49 14.0
Aug. 5		
BYR	iP	13 28 33.0
SPA	eP	13 28 15.0
Aug. 5		
BYR	e(P)	14 04 02.0
Aug. 5		
BYR	e(P)	14 45 17.0
Aug. 5		
BYR	eP	16 59 52.0
Aug. 5		
BYR	e(P)	20 22 49.0
Aug. 5		
BYR	iP	22 46 16.0
	e	46 42.0
SPA	iP	22 46 01.0
Aug. 6		
SPA	eP	01 59 26.0
Aug. 6		
BYR	eP'	03 39 24.0
SPA	eP'	03 39 22.0
Aug. 6		
BYR	eP	04 58 58.0
SPA	eP	04 58 20.0
Aug. 6		
BYR	e(P)	06 05 56.0
Aug. 6		
SPA	iP	08 26 23.0
Aug. 6		
BYR	eP	10 47 39.0
SPA	eP	10 47 17.0
Aug. 6		
SPA	eP	14 36 54.0
Aug. 6		
BYR	eP	17 19 54.0
SPA	iP	17 19 49.0
Aug. 6		
BYR	eP	18 58 22.0
Aug. 6		
BYR	e(P)	19 57 23.0

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

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

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

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

Date and Station		Phase	Phase (GCT) h m s
Aug. 10	BYR	e(P)	03 13 22.0
Aug. 10	BYR	eP	03 55 22.0
	SPA	iP	03 55 25.0
Aug. 10	BYR	e(P)	05 28 43.0
Aug. 10	BYR	iP	06 43 18.0
	SPA	eP	06 43 57.0
Aug. 10	SPA	iP	06 47 36.0
Aug. 10	BYR	eP	07 42 34.0
		iPP	49 58.0
	SPA	eP	07 43 11.0
Aug. 10	SPA	eP	07 50 31.0
Aug. 10	BYR	eP	09 06 15.0
Aug. 10	BYR	e(P)	11 48 08.0
Aug. 10	BYR	eP'	12 22 26.0
	SPA	eP'	12 22 23.0
Aug. 10	SPA	e(P)	14 09 48.0
Aug. 10	BYR	eP	16 39 13.0
	SPA	eP	16 40 05.0
Aug. 10	BYR	iP	16 46 39.0
		pP	47 30.0
	SPA	e(P)	16 46 20.0
Aug. 10	BYR	iP	17 34 31.0
	SPA	iP	17 34 40.0
Aug. 10	BYR	e(P)	17 51 16.0
Aug. 10	BYR	eP	19 23 20.0
Aug. 10	BYR	eP	19 25 37.0
	SPA	eP	19 26 06.0
Aug. 10	BYR	e(P)	23 34 24.0
Aug. 11	BYR	eP	23 53 02.0
	SPA	iP	23 53 02.0
Aug. 11	BYR	eP'	01 02 42.0
	SPA	iP'	01 03 10.0
Aug. 11	BYR	e(P)	01 22 22.0
Aug. 11	SPA	e(P)	02 30 54.0
Aug. 11	BYR	eP	04 12 47.0
Aug. 11	BYR	eP	08 37 09.0
	SPA	eP	08 37 44.0
Aug. 11	BYR	eP	09 19 33.0
	SPA	eP	09 19 51.0
Aug. 11	SPA	e(P)	09 38 42.0
Aug. 11	SPA	eP	10 26 25.0
Aug. 11	BYR	iP	10 36 00.0
	SPA	iP	10 36 19.0
		e	36 24.0
Aug. 11	BYR	iP	11 17 46.0
		epP	18 19.0
	SPA	iP	11 17 26.0
Aug. 11	SPA	eP	14 13 18.0
Aug. 11	BYR	eP	14 31 49.0
Aug. 11	SPA	e(P)	15 55 23.0
Aug. 11	BYR	eP	16 10 33.0
	SPA	iP	16 10 32.0
		e	14 36.0
		i	16 47.0
Aug. 11	BYR	eP	19 31 45.0
	SPA	eP	19 32 15.0
Aug. 11	BYR	iP	22 50 22.0
	SPA	iP	22 50 05.0
Aug. 11	BYR	eP'	23 30 53.0
Aug. 11	BYR	eP	23 53 02.0
	SPA	iP	23 53 02.0
Aug. 12	BYR	iP	01 21 50.0
		e	22 48.0
	SPA	iP	01 21 28.0
Aug. 12	BYR	e(P)	01 44 16.0
Aug. 12	BYR	eP	05 41 43.0
	SPA	eP	05 42 12.0
Aug. 12	BYR	e(P)	06 49 46.0
Aug. 12	BYR	iP	06 53 05.0
	SPA	eP	06 53 41.0
Aug. 12	SPA	eP	07 34 46.0
Aug. 12	BYR	iP	13 15 51.0
	SPA	eP	13 16 29.0
Aug. 12	SPA	e(P)	13 31 40.0
Aug. 12	BYR	eP	15 25 01.0
	SPA	eP	15 25 24.0
Aug. 12	BYR	iP	17 19 05.0
	SPA	iP	17 19 34.0
Aug. 12	SPA	e(P)	19 06 47.0
Aug. 12	BYR	iP	20 15 25.0
	SPA	iP	20 14 43.0
Aug. 12	SPA	eP	21 43 02.0
Aug. 12	BYR	eP	22 45 42.0
	SPA	eP	22 45 45.0
Aug. 13	BYR	eP	00 32 56.0
Aug. 13	BYR	eP	00 51 30.0
	SPA	eP	00 52 23.0
Aug. 13	BYR	eP	02 04 01.0
Aug. 13	BYR	iP	02 45 46.0
		epP	46 20.0
Aug. 13	SPA	eP	03 58 39.0
Aug. 13	BYR	eP	05 08 20.0
	SPA	eP	05 08 11.0
Aug. 13	BYR	eP	05 23 02.0
	SPA	eP	05 23 09.0
Aug. 13	BYR	eP	06 19 48.0
	SPA	eP	06 19 45.0
Aug. 13	SPA	eP	07 36 56.0
Aug. 13	BYR	e(P)	10 05 09.0
Aug. 13	BYR	e(P)	10 58 46.0
Aug. 13	BYR	iP	11 04 13.0
Aug. 13	BYR	eP	12 58 19.0
	SPA	eP	12 58 00.0
Aug. 13	SPA	e(P)	15 13 05.0
Aug. 13	SPA	eP	15 30 48.0
Aug. 13	BYR	iP	17 28 42.0
	SPA	iP	17 29 26.0
Aug. 13	BYR	iP	18 33 08.0

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

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

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

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Date and Station		Phase	(GCT)
			h m s
Aug. 28			
BYR	eP		02 07 23.0
	e		11 41.0
Aug. 28			
BYR	eP		03 29 25.0
SPA	iP		03 30 08.0
Aug. 28			
BYR	iP		06 39 07.0
SPA	iP		06 39 45.0
Aug. 28			
SPA	eP		07 10 02.0
Aug. 28			
BYR	eP		07 49 01.0
Aug. 28			
SPA	iP		07 52 18.0
Aug. 28			
BYR	iP		08 19 07.0
	e		22 25.0
SPA	iP		08 18 53.0
Aug. 28			
BYR	eP'		09 29 37.0
SPA	iP'		09 29 45.0
Aug. 28			
BYR	iP		09 54 09.0
SPA	iP		09 54 40.0
Aug. 28			
SPA	iP		10 03 14.0
Aug. 28			
BYR	eP		10 22 18.0
SPA	eP		10 22 22.0
Aug. 28			
BYR	iP		10 51 01.0
	epP		51 30.0
SPA	eP		10 51 40.0
Aug. 28			
BYR	eP'		12 33 06.0
SPA	eP'		12 33 16.0
Aug. 28			
BYR	eP'		13 27 22.0
Aug. 28			
BYR	eP		15 13 50.0
SPA	iP		15 12 45.0
Aug. 28			
BYR	eP		17 53 26.0

Date and Station		Phase	(GCT)
			h m s
Aug. 28			
BYR	eP		17 58 38.0
SPA	iP		17 59 30.0
Aug. 28			
BYR	eP'		18 21 15.0
Aug. 28			
SPA	eP		19 39 09.0
Aug. 28			
BYR	eP		20 35 46.0
	ePcP		36 42.0
SPA	iP		20 36 54.0
Aug. 28			
SPA	eP		21 05 15.0
Aug. 28			
BYR	iP		21 38 14.0
	epP		38 40.0
SPA	iP		21 38 54.0
	epP		39 23.0
Aug. 28			
BYR	iP		23 10 46.0
Aug. 29			
BYR	iP		00 09 38.0
Aug. 29			
BYR	eP		03 04 08.0
Aug. 29			
BYR	e(P)		03 26 56.0
Aug. 29			
SPA	eP		04 27 37.0
Aug. 29			
BYR	eP		06 14 49.0
	epP		15 02.0
SPA	eP		06 15 02.0
Aug. 29			
SPA	e(P)		06 57 01.0
Aug. 29			
BYR	e(P)		07 10 44.0
Aug. 29			
BYR	eP		07 11 50.0
Aug. 29			
BYR	eP		08 03 09.0
SPA	eP		08 03 06.0
Aug. 29			
BYR	iP		08 15 29.0
SPA	eP		08 16 07.0
Aug. 29			
BYR	eP		10 13 51.0

Date and Station		Phase	(GCT)
			h m s
SPA	iP		10 14 27.0
Aug. 29			
BYR	iP		10 57 13.0
SPA	iP		10 56 54.0
Aug. 29			
BYR	iP		11 58 33.0
	epP		59 03.0
SPA	eP		11 59 11.0
Aug. 29			
BYR	e(P)		13 52 54.0
Aug. 29			
BYR	eP		14 27 09.0
SPA	eP		14 26 02.0
Aug. 29			
BYR	eP		15 10 28.0
SPA	iP		15 10 39.0
Aug. 29			
BYR	e(P)		17 30 16.0
Aug. 29			
BYR	eP		17 39 22.0
Aug. 29			
SPA	eP		17 42 36.0
Aug. 29			
BYR	iP		21 45 07.0
	epP		45 41.0
SPA	iP		21 45 24.0
Aug. 29			
SPA	eP		22 34 49.0
Aug. 29			
BYR	iP'		22 55 34.0
SPA	eP'		22 55 57.0
Aug. 30			
SPA	iP		00 23 03.0
Aug. 30			
BYR	iP		00 25 45.0
Aug. 30			
BYR	iP		02 30 04.0
Aug. 30			
BYR	eP'		02 44 55.0
SPA	iP'		02 45 14.0
Aug. 30			
BYR	eP		03 48 03.0
SPA	eP		03 48 48.0

Date and Station		Phase	(GCT)
			h m s
Aug. 30			
BYR	eP		03 57 29.0
SPA	iP		03 58 08.0
Aug. 30			
BYR	iP		04 33 04.0
SPA	eP		04 32 46.0
Aug. 30			
BYR	eP		04 48 21.0
Aug. 30			
BYR	eP		08 23 18.0
Aug. 30			
SPA	e(P)		14 00 19.0
Aug. 30			
BYR	eP'		15 10 57.0
Aug. 30			
BYR	eP		17 53 09.0
	ipP		54 14.0
Aug. 30			
BYR	iP		19 21 40.0
SPA	iP		19 21 59.0
Aug. 30			
SPA	eP		19 39 46.0
Aug. 30			
BYR	iP		21 43 19.0
SPA	iP		21 43 02.0
Aug. 30			
BYR	eP		22 28 59.0
SPA	iP		22 28 46.0
Aug. 30			
SPA	e(P)		22 50 05.0
Aug. 30			
SPA	iP		23 34 25.0
Aug. 31			
BYR	iP		00 32 28.0
SPA	eP		00 33 04.0
Aug. 31			
BYR	eP		01 01 58.0
SPA	eP		01 02 07.0
Aug. 31			
BYR	eP		01 23 19.0
Aug. 31			
BYR	iP		01 59 08.0
	epP		02 01 16.0
SPA	iP		01 59 44.0
	ipP		02 01 51.0

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

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

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

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

Date and Station		Phase	(GCT) h m s
Sep. 4			
SPA		eP	13 45 58.0
Sep. 4			
BYR		iP	16 22 17.0
SPA		eP	16 22 12.0
Sep. 4			
BYR		eP'	17 34 57.0
Sep. 4			
BYR		eP	18 52 08.0
SPA		eP	18 52 53.0
Sep. 4			
SPA		eP'	19 04 38.0
Sep. 4			
BYR		eP	19 31 51.0
SPA		eP	19 31 55.0
Sep. 4			
BYR		eP	22 41 17.0
Sep. 4			
SPA		iP	22 44 30.0
Sep. 5			
BYR		eP	00 57 27.0
SPA		eP	00 58 04.0
Sep. 5			
BYR		eP	01 17 27.0
SPA		eP	01 17 05.0
Sep. 5			
SPA		e(P)	02 59 00.0
Sep. 5			
BYR		eP'	06 32 03.0
SPA		iP'	06 31 55.0
Sep. 5			
BYR		eP'	09 30 33.0
SPA		eP'	09 30 39.0
Sep. 5			
BYR		eP'	11 53 53.0
SPA		iP'	11 54 15.0
		iSKS	12 05 13.0
Sep. 5			
BYR		eP	13 48 21.0
		epP	48 46.0
		esP	48 59.0
SPA		eP	13 49 15.0
		e	49 28.0
Sep. 5			
BYR		eP'	14 19 00.0
SPA		eP'	14 19 20.0
Sep. 5			
BYR		eP'	14 29 09.0
SPA		eP'	14 28 55.0
Sep. 5			
SPA		e(P)	15 04 03.0
Sep. 5			
BYR		e(P)	16 06 51.0
Sep. 5			
SPA		e(P)	17 22 07.0
Sep. 5			
BYR		e(P)	23 30 40.0
Sep. 6			
BYR		e(P)	02 20 41.0
Sep. 6			
SPA		eP	03 43 43.0
Sep. 6			
BYR		eP	06 17 48.0
SPA		iP	06 16 37.0
Sep. 6			
BYR		iP	07 10 08.0
		e	10 40.0
SPA		iP	07 10 06.0
Sep. 6			
SPA		e(P)	07 57 11.0
Sep. 6			
BYR		iP	08 25 54.0
SPA		iP	08 25 40.0
Sep. 6			
BYR		iP	08 27 46.0
SPA		iP	08 27 27.0
Sep. 6			
SPA		e(P)	09 55 08.0
Sep. 6			
BYR		eP	10 11 06.0
Sep. 6			
SPA		eP	10 19 25.0
Sep. 6			
BYR		eP	10 50 24.0
SPA		iP	10 50 08.0
Sep. 6			
BYR		eP	12 33 09.0
SPA		eP	12 33 50.0
Sep. 6			
BYR		eP'	13 54 31.0
		e	57 54.0
SPA		iP'	13 54 20.0
Sep. 6			
BYR		iP	15 41 41.0
		e	45 03.0
SPA		iP	15 42 25.0
Sep. 6			
SPA		eP	19 12 04.0
Sep. 6			
BYR		iP	21 14 58.0
Sep. 7			
BYR		eP	01 06 54.0
Sep. 7			
BYR		eP	01 25 19.0
SPA		iP	01 24 33.0
Sep. 7			
SPA		eP	01 56 46.0
Sep. 7			
BYR		e(P)	02 25 30.0
Sep. 7			
BYR		eP	02 56 04.0
SPA		eP	02 56 34.0
Sep. 7			
SPA		e(P)	05 50 54.0
Sep. 7			
SPA		eP	07 01 27.0
Sep. 7			
SPA		eP	15 58 36.0
Sep. 7			
BYR		eP	16 59 18.0
SPA		eP	16 59 05.0
Sep. 8			
BYR		iP	00 24 31.0
		eSKP	28 02.0
Sep. 8			
BYR		eP	00 34 32.0
SPA		eP	00 34 33.0
Sep. 8			
SPA		eP	00 39 44.0
Sep. 8			
BYR		eP	01 42 49.0
Sep. 8			
BYR		eP	02 52 40.0
Sep. 8			
BYR		eP	03 09 16.0
SPA		eP	03 10 27.0
Sep. 8			
BYR		eP	05 11 25.0
SPA		eP	05 11 47.0
Sep. 8			
BYR		eP	06 09 48.0
Sep. 8			
BYR		eP	06 20 04.0
Sep. 8			
BYR		eP	07 40 33.0
Sep. 8			
SPA		eP	07 41 28.0
Sep. 8			
SPA		e(P)	07 55 30.0
Sep. 8			
BYR		iP	09 02 21.0
		e	03 00.0
SPA		iP	09 02 09.0
Sep. 8			
SPA		eP	10 11 33.0
Sep. 8			
BYR		iP	11 33 20.0
		ePP	34 47.0
		eScS	43 48.0
SPA		iP	11 33 06.0
		iScP	39 16.0
Sep. 8			
BYR		e(P)	12 04 04.0
Sep. 8			
BYR		e(P)	12 11 43.0
		e	12 58.0
Sep. 8			
SPA		e(P)	12 30 18.0
Sep. 8			
BYR		iP	12 48 04.0
SPA		eP	12 48 01.0
Sep. 8			
BYR		eP	12 53 04.0
SPA		eP	12 53 34.0
Sep. 8			
BYR		iP	13 13 05.0
SPA		iP	13 12 50.0

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

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

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

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

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

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

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

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

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

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

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

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

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

Date and Station		Phase (GCT)
Sep. 21		h m s
BYR	eP	10 07 56.0
Sep. 21		
BYR	iP	10 08 09.0
Sep. 21		
BYR	eP	10 40 33.0
Sep. 21		
BYR	e(P)	10 59 47.0
Sep. 21		
BYR	iP	13 07 18.0
SPA	eP	13 08 10.0
Sep. 21		
BYR	iP	14 03 55.0
SPA	eP	14 04 25.0
Sep. 21		
BYR	eP	14 06 45.0
	i	07 23.0
SPA	iP	14 07 02.0
Sep. 21		
BYR	iP	14 25 53.0
SPA	eP	14 25 37.0
	e	31 47.0
Sep. 21		
BYR	eP	16 50 16.0
Sep. 21		
BYR	eP	16 50 35.0
SPA	eP	16 51 28.0
Sep. 21		
BYR	e(P)	17 24 00.0
Sep. 21		
BYR	iP	18 29 07.0
SPA	iP	18 29 50.0
Sep. 21		
BYR	eP	22 43 19.0
Sep. 21		
BYR	eP	22 57 44.0
	e	23 01 44.0
Sep. 22		
BYR	eP	00 27 10.0
Sep. 22		
BYR	eP	05 42 25.0
	e	44 16.0
Sep. 22		
SPA	eP	06 29 23.0
Sep. 22		
BYR	eP	10 25 01.0

Date and Station		Phase (GCT)
		h m s
SPA	iP	10 25 56.0
Sep. 22		
BYR	eP	11 19 01.0
SPA	eP	11 18 45.0
Sep. 22		
SPA	e(P)	13 04 56.0
Sep. 22		
BYR	eP	15 27 31.0
SPA	eP	15 27 14.0
	e	36 09.0
Sep. 22		
BYR	iP	16 14 22.0
SPA	eP	16 14 52.0
Sep. 22		
SPA	e(P)	16 25 24.0
Sep. 22		
SPA	eP	18 51 05.0
Sep. 22		
BYR	eP	20 15 44.0
SPA	eP	20 15 24.0
Sep. 23		
BYR	eP	00 27 48.0
SPA	eP	00 28 06.0
Sep. 23		
BYR	iP	02 49 04.0
SPA	eP	02 49 12.0
Sep. 23		
SPA	eP	03 15 14.0
Sep. 23		
BYR	iP	04 09 30.0
SPA	iP	04 09 21.0
Sep. 23		
SPA	e(P)	07 05 12.0
Sep. 23		
BYR	iP	08 26 03.0
	epP	26 17.0
SPA	iP	08 26 38.0
Sep. 23		
BYR	eP	12 47 15.0
Sep. 23		
BYR	eP	14 14 15.0
Sep. 23		
BYR	iP	15 14 05.0
	e	14 30.0
	i	23 32.0

Date and Station		Phase (GCT)
		h m s
SPA	iP	15 14 49.0
Sep. 23		
BYR	eP	17 07 25.0
SPA	eP	17 07 04.0
Sep. 23		
BYR	eP	18 47 02.0
Sep. 23		
BYR	iP	18 53 29.0
	e	55 42.0
Sep. 23		
BYR	e(P)	19 36 02.0
Sep. 23		
BYR	eP'	21 36 48.0
	eSKP	40 06.0
SPA	eP'	21 36 43.0
Sep. 24		
BYR	eP	02 16 59.0
Sep. 24		
BYR	eP	02 28 08.0
Sep. 24		
BYR	eP	04 49 09.0
SPA	iP	04 49 43.0
Sep. 24		
BYR	eP	09 46 02.0
SPA	eP	09 46 39.0
Sep. 24		
BYR	eP	10 41 58.0
Sep. 24		
BYR	eP	13 21 19.0
SPA	eP	13 21 15.0
Sep. 24		
BYR	eP	13 38 14.0
Sep. 24		
BYR	iP	14 03 18.0
Sep. 24		
BYR	iP	16 59 38.0
	e	17 00 41.0
	ePcP	02 07.0
SPA	iP	16 59 21.0
Sep. 24		
BYR	eP	17 05 41.0
	e	12 21.0
SPA	eP	17 05 36.0
Sep. 24		
BYR	iP	18 05 53.0

Date and Station		Phase (GCT)
		h m s
SPA	eP	18 04 45.0
Sep. 24		
BYR	eP	19 09 42.0
Sep. 24		
BYR	eP	19 18 11.0
SPA	eP	19 17 30.0
Sep. 24		
BYR	eP	19 34 38.0
SPA	eP	19 34 10.0
Sep. 24		
BYR	iP	21 12 39.0
Sep. 24		
BYR	iP	21 59 52.0
	PP	22 01 38.0
	ePKKP	09 36.0
SPA	iP	21 59 50.0
Sep. 24		
SPA	eP	22 12 40.0
Sep. 24		
SPA	e(P)	22 37 46.0
Sep. 25		
BYR	eP	00 48 23.0
Sep. 25		
BYR	iP	01 33 18.0
	epP	33 38.0
SPA	iP	01 34 00.0
Sep. 25		
BYR	iP'	02 05 20.0
SPA	eP'	02 05 17.0
Sep. 25		
BYR	eP'	02 46 23.0
	eSKP	49 56.0
	e(S)	57 40.0
SPA	iP'	02 46 42.0
Sep. 25		
SPA	e(P)	09 06 15.0
Sep. 25		
BYR	eP	09 24 08.0
Sep. 25		
BYR	eP	10 59 46.0
SPA	eP	10 59 36.0
	e	11 08 37.0
Sep. 25		
BYR	iP	11 10 49.0
	e	11 18.0

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Date and Station		Phase	(GCT) h m s
Sep. 25			
BYR		iP	14 19 25.0
SPA		iP	14 19 54.0
Sep. 25			
BYR		eP	14 45 48.0
Sep. 25			
BYR		eP	15 34 17.0
Sep. 25			
BYR		eP	16 49 34.0
SPA		eP	16 49 39.0
Sep. 25			
BYR		e(P)	18 21 02.0
Sep. 25			
BYR		eP'	20 41 51.0
SPA		iP'	20 42 16.0
Sep. 25			
BYR		eP	21 33 54.0
Sep. 25			
BYR		eP'	23 47 06.0
Sep. 26			
BYR		eP	03 06 21.0
Sep. 26			
BYR		iP	06 10 42.0
SPA		eP	06 11 33.0
Sep. 26			
BYR		eP	07 22 51.0
Sep. 26			
BYR		iP	07 23 27.0
Sep. 26			
SPA		e(P)	08 09 50.0
Sep. 26			
BYR		iP	10 02 02.0
SPA		eP	10 02 18.0
Sep. 26			
BYR		eP	12 54 02.0
SPA		iP	12 54 52.0
Sep. 26			
BYR		eP	15 23 05.0
SPA		eP	15 24 05.0
Sep. 26			
BYR		e(P)	15 33 23.0
Sep. 26			
BYR		eP	15 39 44.0
SPA		eP	17 40 32.0
Sep. 26			
BYR		eP	17 54 52.0
		e	55 18.0
Sep. 26			
BYR		eP	18 39 57.0
SPA		eP	18 39 52.0
Sep. 26			
BYR		eP	22 42 07.0
		epP	43 03.0
SPA		eP	22 42 44.0
Sep. 27			
BYR		eP	00 48 04.0
Sep. 27			
BYR		eP	00 57 16.0
		epP	58 16.0
SPA		eP	00 57 49.0
Sep. 27			
SPA		e(P)	03 02 20.0
Sep. 27			
BYR		eP	04 24 30.0
SPA		iP	04 24 06.0
Sep. 27			
BYR		iP	05 28 28.0
SPA		iP	05 28 14.0
Sep. 27			
BYR		iP	06 44 09.0
		epP	46 03.0
		eS	52 13.0
SPA		iP	06 44 39.0
		iS	53 11.0
Sep. 27			
SPA		eP	07 02 27.0
Sep. 27			
BYR		eP	07 10 58.0
SPA		iP	07 12 08.0
Sep. 27			
SPA		e(P)	08 40 39.0
Sep. 27			
BYR		e(P')	10 13 27.0
Sep. 27			
SPA		eP	10 27 21.0
Sep. 27			
BYR		eP	11 00 21.0
SPA		iP	11 00 00.0
Sep. 27			
BYR		eP'	11 39 57.0
		eSKP	43 38.0
SPA		eP'	11 40 15.0
Sep. 27			
BYR		e(P)	11 51 41.0
Sep. 27			
BYR		iP	12 14 09.0
		ePP	15 17.0
		e	24 16.0
SPA		iP	12 13 48.0
		iPP	14 34.0
Sep. 27			
SPA		eP	12 45 38.0
Sep. 27			
BYR		eP	13 51 44.0
Sep. 27			
BYR		eP	15 05 49.0
SPA		eP	15 06 04.0
Sep. 27			
BYR		eP	17 20 55.0
Sep. 27			
SPA		e(P)	18 07 08.0
Sep. 27			
BYR		e(P)	18 31 40.0
SPA		e(P)	18 32 12.0
Sep. 27			
BYR		eP	19 25 48.0
SPA		eP	19 26 45.0
Sep. 27			
BYR		eP'	19 39 57.0
		eSKP	43 33.0
SPA		eP'	19 40 19.0
Sep. 27			
BYR		eP'	19 46 14.0
		e	46 24.0
SPA		iP'	19 46 29.0
Sep. 27			
BYR		eP	19 58 08.0
SPA		eP	19 57 41.0
Sep. 27			
BYR		eP	20 15 40.0
Sep. 27			
BYR		eP	22 35 01.0
Sep. 28			
BYR		eP	01 37 11.0
		epP	37 26.0
SPA		iP	01 36 35.0
		epP	36 52.0
		iSKS	46 55.0
Sep. 28			
SPA		eP	02 02 39.0
Sep. 28			
BYR		eP	02 29 33.0
Sep. 28			
BYR		e(P)	03 25 13.0
Sep. 28			
BYR		eP'	03 43 28.0
		ePP	45 09.0
SPA		eP'	03 43 27.0
Sep. 28			
BYR		eP'	03 51 19.0
		ePP	53 21.0
SPA		eP'	03 51 28.0
Sep. 28			
SPA		eP	04 17 11.0
Sep. 28			
BYR		eP'	04 38 01.0
SPA		eP'	04 38 01.0
Sep. 28			
SPA		eP	04 52 17.0
Sep. 28			
BYR		eP'	05 19 28.0
		e	20 38.0
SPA		iP	05 19 20.0
Sep. 28			
BYR		iP	06 20 28.0
Sep. 28			
BYR		eP	06 22 29.0
SPA		iP	06 22 10.0
Sep. 28			
BYR		e(P)	07 13 25.0
Sep. 28			
BYR		e(P)	11 11 27.0
Sep. 28			
SPA		e(P)	11 38 25.0
Sep. 28			
SPA		eP	12 20 15.0
Sep. 28			
BYR		eP	13 23 29.0
Sep. 28			
BYR		eP	14 04 01.0

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

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