BAGUIO STATION

QUARTERLY SEISMOLOGICAL BULLETIN

MANILA OBSERVATORY

PHILIPPINES

BAGUIO SEISMIC STATION

Baguio, Philippines

Latitude	16° 24' 39'' N
Longitude	120° 34' 47'' E
Elevation	1507 meters

Instruments: World-wide standardized seismographs (USCGS)

S. P.: Benioffs (designated as N, E, Z)

T_o - 1.0 sec.

T_g - 0.75 sec.

Magnification: usually 25,000

L. P.: Sprengnethers (designated as N', E', Z')

T_o - 15 secs.

T_g - 100 secs.

Magnification: usually 3,000

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
1 JAN.					
1.	iP	02 23 21.5	Z		
	iS	23 41.5	E		
2.	iP	05 56 40.8	Z	1.0	0.07
3.	eX	06 01 58.5	E'		
	(LR)	04 16.5	Z'		
4.	iX	10 04 46.5	E		
5.	i(P)	10 55 50.0	Z		
	iS	56 00.7	NE		
6.	iP	11 13 58.0	NEZ		
	iS	14 18.5	N'		
7.	iP	11 56 14.3	NEZ		
	iS	56 26.5	N		
8.	iX	12 32 26.5	Z		
9.	eX	12 38 51.0	E'		
	(LR)	45 08.0	Z'		
10.	iX	13 59 34.0	E		
11.	eX	16 24 47.0	E'		
12.	(LQ)	16 28 07.0	N'		
	(LR)	31 02.0	Z'		
13.	iX	21 46 22.8	N		
14.	iP	23 01 51.5	Z	0.9	0.22
	i(S)	02 18.1	N		
2 JAN.					
1.	iP	04 09 07.1	Z	0.7	0.05
2.	i(P)	06 13 26.0	Z		
	iS	13 41.0	NE		
3.	i(P)	10 41 06.0	Z		
4.	iP	12 29 45.0	NZ		
	iS	29 57.0	NEZ		
5.	eX	14 26 10.0	N'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec):	A_Z(micron)
3 JAN.					
1.	iP	07 46 40.6	Z	0.3	0.10
	iS	46 50.5	NE		
2.	iP	12 38 53.0	Z		
	iS	38 56.9	NEZ		
3.	iP	12 49 28.9	Z	0.8	0.06
	iS	49 42.8	N		
4.	iP	13 13 52.0	Z	1.0	0.12
5.	iP	15 54 23.3	Z	1.0	0.12
6.	iP	21 55 51.5	Z		
	iS	56 25.5	NE		
7.	eX	22 52 09.0	N'E'		
8.	(LR)	23 42 48.0	Z		
4 JAN.					
1.	iP	02 52 20.0	Z	0.8	0.09
2.	iX	02 55 08.0	NE		
3.	i(P)	04 55 02.5	Z		
	i(S)	55 24.5	E		
4.	eX	07 56 50.5	N'		
	(LR)	08 00 36.0	Z'		
5.	eX	09 05 17.0	Z		
6.	(LR)	09 09 20.0	Z'		
7.	iP	16 28 33.0	Z		
	iS	28 38.0	NEZ		
8.	iP	19 23 38.0	Z		
	iS	23 57.2	E		
9.	iP	22 55 38.0	Z	0.8	0.14
5 JAN.					
1.	iP	00 52 15.0	Z		
	iS	52 34.0	E		
2.	iP	03 05 58.2	Z	0.9	0.10
	iS	07 03.5	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
6 JAN.					
4.	eX	05 06 14.5	E'		
	LR	09 29.0	Z'		
5.	eX	05 56 13.0	N'		
6.	iP	09 20 17.8	Z	0.3	0.08
	iS	20 34.8	E		
7.	i(P)	11 44 44.8	Z		
	iS	44 56.5	NE		
8.	eX	15 24 37.0	E'		
	(LR)	26 32.0	Z'		
9.	eX	22 01 23.0	N'		
10.	eX	22 22 50.0	N'		
11.	eX	22 30 44.0	N'		
12.	eX	22 43 08.0	Z'		
13.	eX	22 49 13.0	N'		
14.	eX	23 28 10.0	N'		
7 JAN.					
1.	iP	01 17 45.8	Z		
	iS	17 58.7	N		
2.	i(P)	01 24 30.0	Z		
	i(S)	25 27.0	N		
3.	eX	01 26 45.0	Z'		
4.	eX	04 07 11.0	N'		
5.	i(P)	07 07 51.0	Z		
6.	iP	12 16 22.7	NEZ		
	iS	16 26.2	NE		
7.	i(P)	13 01 48.1	Z		
	iS	02 11.9	NE		
8.	iP	14 32 42.1	NEZ,N'E'Z'		
	iS	32 59.0	N'E'Z'		
9.	i(P)	15 05 03.5	Z		
	i(S)	10 55.0	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
7 JAN.					
9.	(LQ)	15 14 05.0	N'E'		
	(LR)	16 11.0	Z'		
10.	iP	19 19 54.5	Z		
	iS	20 13.6	E		
11.	eX	20 39 47.0	E'		
	eX	45 07.0	E'		
	eX	51 30.0	N'		
	(LR)	58 16.0	Z'		
12.	eX	21 37 53.0	Z'		
13.	eX	22 40 17.0	N'		
14.	eX	23 05 30.0	N'		
8 JAN.					
1.	iP	01 06 42.0	NEZ, N'E'Z'		
	iS	07 13.0	E'		
2.	iP	03 43 55.0	NEZ		
	iS	43 57.5	NE		
3.	e(P)	05 41 06.5	Z	1.0	0.04
4.	iP	06 55 01.6	NZ		
	iS	56 05.0	E'		
5.	iP	08 10 52.0	Z	0.7	0.06
	iS	11 10.5	N		
6.	iP	08 50 01.0	Z		
7.	i(P)	15 13 55.8	Z		
8.	iP	17 20 57.5	Z	1.0	0.12
	iS	23 05.0	E'		
	(LR)	24 19.0	Z'		
9.	iP	19 07 23.5	Z	0.9	0.05
	iS	08 30.0	N		
10.	i(P)	22 14 32.5	Z		
11.	eX	22 49 00.0	N'		
12.	iP	23 05 25.5	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
8 JAN.					
13.	eX	23 10 39.0	N'		
14.	eX	23 23 18.0	N'		
15.	eX	23 28 57.0	N'		
16.	eX	23 56 38.0	N'		
9 JAN.					
1.	iP	03 09 01.6	Z	1.0	0.40
	iS	13 21.5	N'		
2.	eX	04 06 29.0	N'		
3.	eX	04 17 32.0	N'		
4.	(LR)	04 32 21.0	Z'		
5.	eX	05 04 04.0	N'		
6.	eX	06 05 51.0	N'E'		
7.	eX	06 22 30.0	N'		
8.	i(P)	09 31 09.0	Z	0.8	0.07
9.	i(P)	13 28 35.8	Z	1.0	0.07
10.	i(P)	17 57 01.2	Z		
	iS	57 23.5	E		
11.	(LQ)	20 52 54.0	N'		
	(LR)	55 10.0	Z'		
12.	eX	21 50 29.0	N'		
13.	(LR)	22 00 18.0	Z'		
10 JAN.					
1.	iP	01 19 52.0	Z, N'Z'		
	iS	20 23.0	E'Z'		
2.	iP	02 18 49.0	Z		
	iS	19 01.5	N		
3.	iP	05 49 10.7	Z	1.0	0.07
4.	e(P)	13 14 39.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
10 JAN.					
5.	iS	14 41 51.3	NE		
6.	iP	16 19 51.0	Z, Z'		
	eS	26 00.0	N' E'		
	eX	29 09.0	Z'		
	LR	32 09.0	Z'		
7.	iP	16 30 35.5	NEZ		
	iS	30 48.0	N' Z'		
8.	eX	21 59 10.0	N'		
9.	eX	22 09 04.0	N'		
10.	iX	22 34 15.0	N		
11 JAN.					
1.	iX	01 55 36.0	NE		
2.	iP	03 14 36.0	Z	1.0	0.10
	eX	18 04.0	N'		
	(LR)	18 40.0	N'		
3.	eP	14 11 19.5	Z, Z'	1.5	0.19
	eX	15 32.0	N'		
4.	eP	14 21 32.5	Z	1.6	0.55
	iS	25 41.0	E		
12 JAN.					
1.	iP	05 51 50.9	NE	0.7	0.26
	iS	52 05.5	N		
2.	i(S)	07 38 04.0	E		
3.	e(P)	10 27 37.5	Z		
4.	eX	10 34 08.0	N'		
	eX	36 11.0	Z'		
5.	eX	12 18 30.5	N'		
6.	i(P)	13 35 45.8	Z	1.0	0.32
	iS	36 10.8	NE		
7.	i(P)	16 29 14.2	Z		
	iS	29 58.5	N		
8.	iS	17 02 14.6	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
12 JAN.					
9.	iP	18 42 22.9	NZ	0.6	0.08
	(LQ)	44 44.0	E'		
	(LR)	45 07.0	Z'		
10.	iS	23 40 50.7	NE		
11.	iX	23 57 26.3	N		
13 JAN.					
1.	iP	07 45 47.5	Z		
	(LR)	47 22.0	Z'		
2.	i(P)	08 31 04.5	Z		
3.	iP	09 05 29.0	NZ	1.0	0.06
	(LR)	09 46.0	Z'		
4.	eP	10 50 37.0	Z,Z'		
	eS	58 12.0	N'E'		
	eSoS	11 00 39.0	E'		
	eSS	02 12.0	E'		
	LQ	04 10.0	E'		
	LR	06 56.0	Z'		
5.	iP	15 22 02.0	Z	1.0	0.36
	iS	22 29.5	N		
6.	eX	16 49 25.0	Z'		
7.	iP	18 19 53.5	NEZ		
	iS	20 14.5	NEZ		
8.	iP	19 43 28.1	NEZ		
	iS	43 43.8	N		
9.	iP	20 42 25.0	NZ		
	iS	42 40.0	NE		
14 JAN.					
1.	iP	00 56 13.8	NZ	0.5	0.25
	iS	56 24.5	NE		
2.	eX	01 37 30.0	Z'		
3.	iP	05 12 03.2	NEZ	1.0	1.64
	i(S)	12 25.0	E'		
4.	eP	07 46 22.0	Z	1.0	0.05

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
14 JAN.					
5.	i(P)	10 38 14.0	Z		
6.	iP	16 17 23.0	Z		
	iS	17 49.5	E' Z'		
7.	iS	18 52 04.0	NE		
8.	i(P)	19 32 51.5	Z		
	iS	33 09.0	NE		
9.	i(P)	20 50 48.0	Z		
	e(S)	58 34.0	N'		
	(LQ)	21 05 02.0	N'		
	LR	08 22.0	Z'		
15 JAN.					
1.	iP	06 54 33.0	NZ	1.0	0.10
	i(S)	55 26.0	E		
	(LR)	55 48.5	Z'		
2.	i(P)	07 02 48.3	Z		
	i(S)	03 40.8	E		
3.	e(P)	07 13 57.2	Z	1.5	0.13
	i(S)	14 22.5	E		
	(LR)	17 20.0	Z'		
4.	eX	09 11 06.0	N'		
5.	i(P)	10 15 41.3	Z		
	iS	16 05.8	E		
6.	eX	12 21 57.0	N'		
	eX	27 05.5	Z'		
7.	i(P)	14 47 45.3	Z		
	iS	47 55.8	NE		
8.	iP	20 28 54.0	Z		
	iS	29 06.8	N		
9.	(LR)	20 46 23.0	Z'		
16 JAN.					
1.	i(P)	00 47 06.0	Z		
	i(S)	47 59.2	N		
2.	eX	00 51 50.0	E'		
	(LR)	58 36.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z (sec)	A_Z (micron)
16 JAN.					
3.	i(P)	02 47 02.1	Z		
	iS	47 47.0	E		
4.	e(P)	07 13 38.0	Z		
5.	LQ	07 19 20.0	N'		
	LR	21 22.0	Z'		
6.	iP	09 21 13.1	Z	1.0	0.07
	eS	28 44.0	N'		
	(LQ)	34 17.0	N'		
	(LR)	37 00.0	Z'		
7.	i(P)	12 21 49.0	Z	1.0	0.07
8.	iP	13 21 19.0	Z		
	iS	21 29.0	N		
9.	i(P)	14 48 40.0	Z		
10.	iS	15 52 22.0	E		
11.	eX	16 10 21.5	N'		
12.	iP	17 37 55.0	Z		
13.	eX	21 03 15.0	Z		
17 - 19 JAN. - POWER FAILURE					
20 JAN.					
1.	i(P)	07 19 53.8	Z		
	iS	20 24.5	N		
2.	i(P)	09 32 28.0	Z		
3.	i(P)	11 28 38.1	Z		
	(LR)	32 14.0	Z'		
4.	eX	15 29 15.0	N'		
5.	iP	23 38 40.2	Z	1.0	0.20
	iS	40 05.0	NE		
	(LR)	40 44.0	Z'		
21 JAN.					
1.	(LQ)	05 39 55.5	N'		
	(LR)	41 39.0	Z'		
2.	iP	17 02 40.5	NZ		
	iS	02 58.5	E		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron
22 JAN.							
1.	iX	00	16	04.2	E		
2.	iP	00	42	58.6	Z		
	iS		43	44.7	NE		
3.	i(P)	03	12	53.0	Z		
4.	iP	04	39	10.5	Z		
	iS		39	36.5	N		
5.	iP	12	29	30.5	Z		
	iS		29	46.2	N		
6.	eP	14	38	40.0	Z'		
	eS		48	14.0	N'		
	LQ		57	54.0	E'		
	LR	15	02	35.0	Z'		
23 JAN.							
1.	eX	01	58	23.5	Z'		
2.	eX	02	35	14.0	Z'		
3.	iP	04	51	57.8	Z		
	iS		52	13.9	E		
4.	iS	05	03	50.5	E		
5.	iP	10	17	34.5	EZ		
	iS		17	39.7	N		
6.	(LQ)	11	26	55.0	E'		
	(LR)		29	51.0	Z'		
7.	i(P)	12	47	27.0	Z		
8.	iP	13	02	56.8	Z		
9.	iX	21	51	24.8	N		
10.	eX	23	20	26.0	E'		
24 JAN.							
1.	i(P)	04	00	08.5	Z		
	iS		00	33.0	E		
2.	i(P)	05	27	28.2	Z		
	iS		28	03.8	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
24 JAN.					
3.	iP	07 31 53.0	Z,Z'	1.0	0.40
	ePP	33 50.0	Z'		
	eS	38 54.0	E'		
	LR	42 56.5	Z'		
4.	iP	10 51 38.8	NZ		
5.	iP	15 41 36.0	Z	0.9	0.10
6.	eX	16 00 02.0	N'		
7.	iP	17 12 07.8	Z	1.0	0.12
8.	iP	19 35 53.2	EZ	0.8	0.28
	iS	36 15.0	E		
9.	iP	23 51 13.5	NZ,Z'	1.0	0.56
	LR	54 30.0	Z'		
25 JAN.					
1.	i(P)	01 26 35.5	Z		
	iS	26 50.0	NE		
2.	iP	04 14 41.6	NZ	0.9	0.13
3.	iP	12 34 44.7	Z		
	iS	35 29.0	NE		
4.	iP	14 38 18.9	Z		
	iS	38 40.0	N		
5.	iP	15 12 56.8	Z		
	iS	13 20.0	E		
6.	iP	15 18 51.5	Z	1.0	0.06
7.	iP	18 09 23.8	Z	1.0	0.16
	e(S)	11 33.0	E'		
	(LR)	12 29.0	Z'		
8.	iP	21 14 04.5	Z		
	iS	14 25.0	E		
9.	iP	21 41 49.0	NEZ		
10.	iP	21 47 35.0	NEZ		
	iS	47 54.7	NE		
11.	iS	22 29 12.0	NE		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
25 JAN.					
12.	iP	23 17 34.0	Z	1.0	0.22
	iS	18 14.0	N		
13.	iP	23 55 58.5	Z		
	iS	56 17.2	E		
26 JAN.					
1.	i(P)	02 06 28.5	Z		
	iS	06 47.5	E		
2.	iX	02 35 50.0	N		
3.	iP	05 06 38.5	Z		
	iS	06 56.0	E,N'E'		
4.	i(P)	05 37 56.0	Z		
5.	iP	05 58 25.5	Z		
	iS	58 44.5	N		
6.	iP	06 19 52.6	Z		
	iS	20 12.0	N		
7.	iP	06 30 50.0	Z		
8.	iP	06 46 23.5	Z		
9.	iP	07 02 06.0	Z		
10.	iP	07 08 26.5	Z		
11.	iP	07 29 26.0	Z		
12.	iP	07 32 56.0	Z		
	iS	33 14.0	E'		
13.	iP	07 38 16.5	Z		
	iS	38 36.0	N		
14.	iP	09 44 44.0	Z		
	iS	45 02.8	E		
15.	iP	11 19 11.5	Z		
	iS	19 50.0	E'		
16.	iP	11 53 46.1	Z	0.8	0.06
	iS	54 06.0	E		
17.	iP	14 41 03.0	Z		

Date	Phase	Time (GMT)	Comp.	T (sec)	A (micron)
26 JAN.					
18.	iP	15 49 56.0	Z		
19.	eX	17 44 12.0	Z'		
20	iP	17 50 16.0	Z		
27 JAN.					
1.	iX	01 41 07.0	E		
2.	iP	02 11 45.0	Z	1.0	0.11
3.	iP	06 45 09.2	Z		
	iS	45 23.0	NE		
4.	iP	07 01 38.5	Z		
5.	iP	14 53 22.1	Z	0.9	0.33
	iS	54 49.5	E'		
28 JAN.					
1.	iP	03 04 21.0	Z	1.0	0.14
	i(S)	05 07.5	N		
2.	i(P)	03 44 02.0	Z		
3.	iP	04 46 33.5	Z, Z'	0.9	0.40
	eS	54 35.0	N'		
4.	eP	05 52 08.0	Z	1.2	0.11
	ePPP	55 34.0	Z'		
	eS	06 00 10.0	N'		
	eSS	04 00.0	N'		
	LQ	06 36.0	N'		
	LR	09 38.0	Z'		
5.	iX	07 10 58.0	N		
6.	iP	07 39 32.5	Z		
	iS	39 43.0	NE		
7.	iS	08 15 33.5	N		
8.	iP	09 00 37.5	Z	1.0	0.14
9.	iP	09 37 44.0	Z	0.9	0.33
10.	e(P)	09 40 25.0	Z		
11.	i(P)	10 48 37.5	Z		
	iS	49 21.0	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
28 JAN.					
12.	i(P)	14 06 40.9	Z		
13.	iP	22 14 51.5	Z		
14.	iP	22 46 22.8	Z	1.0	0.10
	eS	52 53.0	N'E'		
	LQ	56 33.0	E'		
	(LR)	58 10.0	Z'		
15.	i(P)	23 23 40.5	Z		
	iS	23 55.9	NE		
29 JAN.					
1.	LR	00 38 12.0	Z'		
2.	i(P)	05 55 28.5	Z		
3.	LR	06 51 55.0	Z'		
4.	i(P)	07 00 58.8	Z		
	i(S)	01 18.2	E		
5.	iP	07 23 00.0	Z	1.5	0.24
	LR	27 17.0	Z'		
6.	eX	08 13 27.0	Z'		
7.	iS	08 35 12.8	NE		
8.	i(P)	10 34 37.3	Z		
9.	i(P)	14 34 13.2	NZ		
	iS	34 32.5	E		
10.	iP	16 08 01.3	Z		
	i(S)	08 40.3	E		
11.	LR	16 52 40.0	Z'		
12.	iP	20 29 41.5	NZ		
	iS	30 04.7	E		
13.	iP	21 47 13.2	Z	0.8	0.09
	iS	47 29.8	N		
30 JAN.					
1.	(LR)	01 05 45.0	Z'		
2.	iP	04 30 31.2	Z		
	iS	30 45.3	NEZ		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
30 JAN.					
3.	iX	05 34 27.3	NEZ		
4.	iP	07 40 16.5	NEZ		
	iS	40 34.0	E		
5.	iP	18 06 42.0	NEZ		
	iS	06 46.0	NE		
6.	i(P)	22 24 12.5	Z		
31 JAN.					
1.	iP	01 15 51.0	NEZ		
	iS	15 52.5	NEZ		
2.	iP	02 14 36.8	Z		
3.	eP	02 40 05.5	Z	1.8	0.52
	eS	44 23.0	N'		
	LQ	46 00.0	N'		
	LR	47 12.0	Z'		
4.	i(P)	04 52. 47.0	Z		
	iS	53 23.2	E		
5.	eX	05 03 34.0	E'		
	LR	07 54.0	Z'		
6.	eX	14 21 30.0	Z'		
	eX	28 34.0	Z'		
7.	(LR)	15 23 52.0	Z'		
8.	iP	20 37 18.0	Z		
	iS	37 55.3	E		
9.	eX	22 25 21.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
1 FEB.								
	1.	LR	01	13	32.0	Z'		
	2.	i(P)	08	30	26.5	Z		
	3.	LR	08	47	55.0	Z'		
	4.	iP	09	33	09.5	NEZ		
		iS		33	40.8	E		
	5.	iS	09	41	36.5	N		
	6.	i(P)	11	50	45.2	Z		
	7.	iP	12	40	18.3	NZ		
		iS		40	29.5	N		
	8.	LR	15	25	46.0	Z'		
	9.	iP	16	00	46.7	Z	0.7	0.08
		iS		00	56.0	E		
	10.	iP	16	06	59.3	Z	0.8	0.16
2 FEB.								
	1.	iP	00	26	16.2	NZ		
		iS		26	19.5	NE		
	2.	iP	03	59	38.5	Z	0.8	0.03
		iS	04	00	00.8	N		
	3.	i(P)	05	24	27.8	Z		
		i(S)		25	00.8	E		
	4.	eP	05	45	34.5	Z,Z'	1.0	0.08
		e(S)		55	20.0	N'		
		(LQ)	06	05	30.0	N'		
		LR		08	15.0	Z'		
	5.	iP	08	44	04.2	Z		
		iS		44	36.8	NE		
	6.	eP	09	28	31.0	Z	1.2	0.05
	7.	i(P)	14	44	06.5	Z		
	8.	eX	16	49	18.0	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
2 FEB.					
9.	iX	21 25 58.9	N		
10.	i(P)	21 38 41.0	Z		
	iS	39 06.7	N		
11.	iP	22 46 46.5	Z	1.0	0.05
	i(S)	47 25.8	N		
3 FEB.					
1.	iP	05 51 54.0	NEZ,NZ		
	iX	52 31.0	Z'		
	iS	54 58.0	E'Z'		
	LQ	55 55.0	N'		
	LR	56 38.0	Z'		
2.	iP	11 58 50.5	NEZ,N'E'Z'		
	i(S)	12 01 12.0	N'		
3.	iP	17 13 13.0	Z	0.9	0.13
	eX	14 54.0	E'		
4.	iP	17 23 02.4	Z	1.0	0.12
5.	iP	17 59 35.0	Z'	0.6	0.08
	i(S)	18 01 18.0	E'		
6.	i(P)	18 12 34.8	Z		
7.	i(P)	21 12 50.5	Z		
4 FEB.					
1.	iP	04 14 17.0	Z	0.8	0.04
	eP	14 17.0	Z'		
	eX	15 42.0	Z'		
2.	eX	04 33 48.0	Z'		
	LR	36 20.0	Z'		
3.	e(P)	05 16 00.0	Z'		
	e(S)	25 40.0	E'		
	LR	39 13.0	Z'		
4.	iP	10 48 37.0	NEZ,N'E'Z'	1.0	0.64
	iPcP	49 17.0	Z'		
	eS	56 16.0	N,N'E'		
	LQ	11 01 10.0	E'		
	LR	05 13.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
4 FEB.					
5.	eP	15 48 06.0	Z'	0.8	0.01
	eS	57 45.0	N'E'		
	eX	16 05 24.0	E'		
	LR	13 44.0	Z'		
6.	iP	18 19 18.5	Z		
	i(S)	20 01.0	N		
7.	iP	20 13 45.9	Z		
	i(S)	14 04.8	E		
8.	eP	20 55 19.9	Z	1.0	0.06
	eX	56 49.5	N'		
	LR	21 14 54.0	Z'		
9.	iP	21 17 17.5	Z	0.8	0.04
	iS	17 51.0	E		
10.	iP	22 22 22.0	Z	1.0	0.08
11.	iP	22 34 27.5	NEZ	0.7	0.25
	iS	34 48.8	NE		
12.	iP	22 57 03.6	Z		
	iS	57 18.5	NE		
13.	iP	23 27 18.8	Z		
	iS	27 36.5	E		
14.	e(P)	23 45 33.5	Z		
	LQ	48 23.0	E'		
	LR	49 07.0	Z'		
5 FEB.					
1.	iP	02 14 27.5	Z	1.0	0.15
	eP	14 27.5	Z'		
	eS	26 13.0	E'		
	LQ	31 11.0	E'		
	LR	35 29.0	Z'		
2.	iP	04 35 05.8	Z		
	iS	35 19.8	E		
3.	iP	07 43 17.5	Z		
	iS	43 28.2	NE		
4.	iP	15 16 55.0	NEZ,N'E'Z'	1.2	0.63
	iX	17 42.0	N'		
	iS	20 26.0	NE		
	LR	21 55.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	T_Z(micron)
5 FEB.					
5.	iP	16 23 57.5	Z	1.0	0.32
6.	(LQ)	19 04 28.0	N'		
	LR	06 11.0	Z'		
7.	iP	19 05 49.0	Z		
8.	iP	20 10 02.0	Z		
	iS	10 23.5	E		
9.	iP	23 22 10.0	Z	0.8	0.08
	iS	28 23.0	N'		
	LQ	31 44.0	N'		
	LR	35 08.0	Z'		
6 FEB.					
1.	i(S)	01 28 38.0	N		
2.	iP	02 19 01.2	Z	0.8	0.14
	iS	20 27.4	E		
	(LR)	21 02.0	Z'		
3.	iP	03 40 21.0	Z		
	iS	41 10.0	N		
4.	iP	08 20 04.8	E		
	iS	20 07.8	E		
5.	eP	09 17 46.4	Z,Z'	1.5	0.17
	eS	21 30.0	N'		
6.	i(P)	10 28 49.8	Z		
7.	eX	10 56 22.0	Z'		
8.	iP	13 48 44.5	Z		
	iS	48 55.5	E		
9.	i(P)	15 12 17.0	Z		
	iS	12 18.5	EZ		
10.	iP	17 40 29.7	Z		
	iS	40 47.5	N		
11.	i(P)	21 45 22.0	Z		
	iS	45 29.0	E		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
7 FEB.								
	1.	iP	00	58	41.5	Z	0.5	0.08
		iS		58	56.5	N		
	2.	i(P)	02	18	52.3	Z		
	3.	i(P)	03	39	13.5	Z		
	4.	iP	04	34	55.8	Z	1.2	1.51
		e(PP)		36	42.5	Z'		
		eS		41	58.0	E'		
		eSS		45	29.0	N'		
		LQ		45	55.0	N'		
		LR		49	18.0	Z'		
	5.	iP	05	12	17.6	Z		
	6.	iP	05	30	29.3	Z,Z'	1.4	0.24
	7.	eP	05	38	58.3	Z	1.0	0.40
	8.	iP	07	05	42.8	Z	1.0	0.08
	9.	iP	23	15	18.0	Z,Z'	1.5	1.71
		ePP		17	14.5	Z'		
		eS		22	18.5	N'		
		LQ		26	13.0	N'		
		LR		29	41.0	Z'		
8 FEB.								
	1.	iP	02	15	23.0	NEZ		
		iS		15	39.0	N		
	2.	iP	04	22	05.2	Z		
		iS		22	31.5	E		
	3.	(LR)	07	34	35.0	Z'		
	4.	iP	08	03	33.0	Z		
		iS		03	40.0	N'		
	5.	(LR)	08	16	58.0	Z'		
	6.	(LR)	08	28	49.0	Z'		
	7.	(LR)	09	49	06.0	Z'		

Date	Pahse	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
8 FEB.					
8.	iS	13 19 02.0	NEZ		
9.	eX	14 11 36.0	Z'		
10.	iP	15 00 14.5	Z	0.7	0.06
	iS	00 35.0	N		
11.	eX	17 26 45.0	Z'		
12.	(LR)	18 03 09.0	Z		
13.	eX	18 20 46.0	Z'		
14.	eP	18 47 48.1	Z		
	iS	47 58.2	N		
15.	iX	19 09 12.0	Z'		
16.	LR	20 56 41.0	Z'		
17.	iP	21 28 45.7	Z		
	iS	29 05.5	NE		
18.	i(P)	22 21 32.5	Z		
9 FEB.					
1.	eX	02 01 24.0	Z'		
2.	eX	02 24 43.0	E'		
	LR	29 18.0	Z'		
3.	eP	04 59 41.0	Z'		
	ePP	05 03 09.0	Z'		
	eS	10 20.0	N'		
	eSSS	19 51.0	E'		
4.	eP	06 16 48.0	NEZ	0.8	0.19
5.	iP	07 24 26.5	NZ	1.0	0.18
	eX	26 30.0	Z'		
	LR	29 16.0	Z'		
6.	iP	08 20 07.0	Z	1.0	0.12
	eS	25 08.0	E'		
	(LQ)	27 23.0	N'		
	(LR)	28 00.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
9 FEB.					
7.	iP	08 31 00.5	Z		
8.	iP	10 31 24.5	NEZ	0.5	0.10
	iS	31 34.2	NEZ		
9.	iP	12 44 24.0	NEZ	0.7	0.09
	iS	44 43.2	E		
10.	iP	14 49 09.0	Z		
	iS	49 13.5	N		
11.	eX	14 52 44.0	N'		
	eX	15 00 20.0	Z'		
12.	LR	16 29 28.0	Z'		
13.	iS	16 31 28.5	E		
14.	iP	16 33 43.8	NEZ	0.7	0.22
	iS	33 53.8	NEZ		
15.	iS	17 07 42.8	E		
16.	iP	17 13 38.0	Z		
	eS	13 58.5	E		
17.	eX	20 58 34.0	Z'		
18.	eX	21 26 47.0	Z'		
19.	i(P)	22 21 11.0	Z		
	iS	21 52.5	N		
20.	eX	23 42 25.0	N'		
	LR	46 42.0	Z'		
10 FEB.					
1.	i(P)	00 57 09.8	Z		
2.	eP	05 34 26.4	Z	1.0	0.08
	eS	38 46.5	N'		
	LQ	39 35.0	N'		
	LR	40 55.0	Z'		
3.	i(P)	06 09 09.0	Z		
4.	iP	06 25 29.0	Z		
	iS	25 31.0	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
10 FEB.					
5.	iP	08 33 20.2	Z	0.8	0.05
	iS	33 24.8	N		
6.	eP	14 26 30.5	Z'		
	iS	30 44.0	N'		
	(LR)	32 30.0	Z'		
7.	eP	15 58 19.2	Z	0.9	0.09
11 FEB.					
1.	iP	00 09 57.5	Z	0.7	0.06
2.	iP	01 00 28.9	NEZ	0.7	0.10
	iS	00 42.0	E		
3.	iP	04 51 31.5	Z	1.0	0.16
	eS	55 48.0	N'E'		
4.	i(P)	10 34 41.0	Z		
5.	iP	13 10 01.3	Z	0.8	0.10
	iS	10 37.0	E		
6.	eX	13 27 44.0	N		
7.	eP	14 34 40.0	Z		
8.	e(P)	15 24 30.5	Z		
9.	iP	19 45 57.0	NEZ		
12 FEB.					
1.	i(P)	01 44 20.0	Z		
2.	iP	06 14 27.5	EZ	0.8	0.04
3.	iP	11 50 34.0	Z,Z'	1.0	0.28
	eX	59 39.0	Z'		
4.	iP	16 10 23.0	Z		
	iS	10 36.5	NE		
5.	(LR)	20 32 20.0	Z'		
6.	iP	23 45 05.8	Z	1.4	0.20
	eX	53 36.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
13 FEB.								
	1.	iP	05	06	38.4	Z	1.0	0.56
	2.	iP	06	41	28.5	Z	0.9	0.50
		eS		45	52.0	N'E'		
	3.	iP	10	49	03.0	Z,N'E'Z'	1.3	1.00
		eS		52	48.5	N'E'		
		LR		53	52.0	Z'		
	4.	iP	14	41	11.0	Z	0.8	0.16
		iS		43	04.0	E'		
		LR		43	36.0	Z'		
	5.	iP	15	07	23.0	Z		
		iS		09	10.5	N'		
		LR		09	50.0	Z'		
	6.	iP	19	18	30.5	Z,Z'	0.8	0.11
	7.	eX	19	33	55.0	N'		
		(LR)		52	49.0	Z'		
	8.	iP	21	43	51.0	NZ	1.0	1.72
		iS		44	24.1	N		
14 FEB.								
	1.	iP	05	49	51.0	Z		
	2.	iP	06	14	17.0	Z	0.8	0.17
		e(S)		17	26.5	E'		
		LR		18	56.0	Z'		
	3.	eX	06	40	11.0	E'		
	4.	iP	13	17	55.8	Z	0.5	0.10
		i(S)		18	16.0	E		
	5.	iP	16	41	39.0	Z		
	6.	iP	21	03	56.9	Z	0.8	0.09
		iS		04	22.7	N		
	7.	eX	21	04	51.0	E'		
	8.	iS	21	17	42.9	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
15 FEB.					
1.	eX	01 34 16.0	E'		
2.	iP	01 37 54.5	Z	0.8	0.06
	e(S)	39 54.0	E'		
	LR	40 55.0	Z'		
3.	i(P)	05 33 43.0	Z		
	iS	34 05.0	E		
4.	i(P)	06 44 39.5	Z		
	iS	44 48.0	E		
5.	iP	08 18 15.2	Z		
6.	iP	08 50 19.0	Z	0.8	0.05
	(LR)	52 35.0	Z'		
7.	eX	10 17 26.0	E'		
	eX	25 52.0	N'		
	LR	31 41.0	Z'		
16 FEB.					
1.	iP	00 23 34.5	Z		
	iS	24 30.6	E		
2.	iP	00 25 44.0	Z	0.7	0.25
	iS	26 41.2	N		
	LR	27 09.0	Z'		
3.	eP	02 50 05.5	Z		
	i(S)	51 08.3	N		
4.	iP	03 28 16.0	Z,N'E'Z'	2.2	2.79
	iS	36 13.0	E'		
	eSS	40 04.0	E'		
	LQ	42 36.0	N'		
	LR	45 56.0	Z'		
5.	e(P)	05 31 10.5	Z		
6.	eP	06 09 35.0	Z	1.0	0.05
	i(S)	09 45.8	E		
7.	iP	07 09 09.0	Z		
	iS	09 42.0	NE		
8.	iP	07 24 58.5	Z		
	iS	25 13.7	E		
9.	eP	08 24 49.8	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
16 FEB.					
10.	iP	15 43 17.0	Z	1.0	0.10
	e(S)	44 30.0	E'		
	LR	44 50.5	Z'		
11.	eX	16 19 34.5	N'		
12.	eX	17 12 40.2	N		
	LQ	14 34.0	E'		
	LR	15 06.0	Z'		
13.	iP	22 46 26.5	Z		
14.	iP	22 52 28.0	Z		
	iS	52 58.5	E		
17 FEB.					
1.	iP	01 54 02.0	Z		
2.	iX	06 42 26.0	N		
3.	iP	11 39 17.5	Z		
4.	iP	11 58 24.5	Z,E'Z'	2.0	1.20
	ePP	12 00 48.0	Z'		
	e(PPP)	03 05.0	Z'		
	iS	06 55.0	E'		
	eScS	08 28.0	N'		
	eSS	11 29.0	E'		
	G	13 59.0	N'		
	LQ	14 18.0	N'E'		
	LR	17 59.0	Z'		
5.	iP	12 53 25.0	Z		
6.	i(P)	13 25 10.5	Z		
	iS	25 19.0	N		
7.	iP	15 14 40.0	NEZ		
	iS	14 50.0	N'		
8.	iP	15 25 04.1	Z		
	iS	25 12.0	NE		
9.	iP	18 30 52.0	Z		
10.	eX	20 24 42.0	Z'		
11.	eX	20 56 52.0	Z'		
	LR	59 22.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
17 FEB.					
12.	LR	21 17 32.0	Z'		
13.	eX	21 25 48.0	Z'		
18 FEB.					
1.	(LR)	02 52 12.0	Z'		
2.	eP	03 49 37.0	Z'	1.2	0.06
	e(S)	53 16.0	N'		
	(LR)	54 56.5	Z'		
3.	eP	07 01 29.0	N' Z'	1.0	0.16
	eS	03 38.0	N'		
	(LQ)	04 14.0	E'		
	(LR)	05 18.0	Z'		
4.	i(P)	08 07 14.3	Z		
	iS	07 19.3	NE		
5.	eX	10 13 49.0	E'		
6.	eX	11 02 24.5	Z'		
7.	eX	11 17 08.0	Z'		
8.	eX	11 24 51.0	Z'		
9.	iP	11 25 04.2	Z		
	iS	25 14.4	NE		
10.	eX	11 50 14.0	Z'		
11.	iP	13 41 46.5	Z		
	iS	41 51.1	NE		
12.	eX	14 15 32.0	Z'		
13.	i(P)	14 31 45.7	Z		
14.	i(P)	16 10 15.0	Z		
	i(S)	10 30.5	E		
15.	eX	16 42 45.0	Z'		
16.	(LR)	16 50 49.0	Z'		
17.	iP	19 09 13.5	NEZ	0.8	0.26
	eX	15 44.0	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
18 FEB.					
18.	iP	20 57 07.5	Z		
	iS	57 18.1	E		
19.	(LR)	21 20 56.0	Z'		
20.	eX	21 45 06.5	Z'		
21.	(LR)	22 28 50.5	Z		
22.	eX	22 41 54.0	Z'		
23.	eX	23 06 54.0	Z'		
24.	eX	23 33 55.0	Z'		
19 FEB.					
1.	eX	00 50 40.0	Z'		
2.	eX	01 49 17.0	Z'		
3.	eX	04 59 56.0	Z'		
4.	eX	05 23 26.0	Z'		
5.	eX	05 32 51.0	Z'		
6.	iS	05 57 19.6	N		
7.	iP	08 45 02.0	Z	0.7	0.05
	iS	45 53.0	E		
	(LR)	46 29.0	Z'		
8.	eX	09 27 48.0	E'		
9.	eX	10 22 33.0	Z'		
10.	eP	12 59 19.3	Z	1.2	0.10
11.	LR	13 18 34.0	Z'		
12.	iP	14 24 21.3	Z	1.0	0.12
13.	iP	14 45 38.0	EZ		
	iS	45 45.5	E		
14.	eP	18 47 47.0	NZ		
	iS	48 13.8	N		
15.	i(P)	21 03 56.3	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
19 FEB.					
16.	iP	22 55 44.4	Z	0.8	0.05
17.	iX	23 09 16.2	N		
20 FEB.					
1.	iP	00 02 21.0	Z		
	iS	03 24.2	NE		
2.	iP	04 50 36.0	Z		
3.	i(P)	05 50 48.0	Z		
4.	iP	06 06 44.0	Z		
5.	iP	06 22 04.0	Z	1.0	0.07
6.	iX	09 56 22.0	N		
7.	iP	10 20 00.5	Z		
	iS	20 08.0	N		
8.	iP	11 56 09.8	Z	1.0	0.07
9.	iP	17 12 50.8	Z		
	iS	13 41.5	NE		
10.	eX	18 41 35.0	E'		
11.	iP	19 26 32.5	Z		
	iS	26 50.0	E		
12.	iP	19 43 11.0	Z		
	iS	43 21.5	N		
13.	iP	19 59 22.5	Z	1.0	0.05
14.	iP	21 42 15.0	Z		
21 FEB.					
1.	eX	00 14 30.0	Z'		
2.	LR	01 25 48.0	Z'		
3.	iP	08 43 27.5	NEZ		
	iS	43 29.9	NE		
4.	iP	09 32 49.5	Z		
	eX	35 03.0	E'		
	LR	36 30.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
21 FEB.					
5.	iP	13 21 23.2	Z	0.8	0.08
	iS	23 20	N		
6.	iP	14 18 29.3	Z		
7.	iP	14 54 16.5	Z		
	LR	56 26.0	Z'		
8.	iP	16 48 58.5	Z	1.0	0.20
	eX	52 07.5	Z'		
22 FEB.					
1.	iP	00 51 06.8	Z,Z'		
	eS	53 28.0	E'		
	(LR)	54 27.0	Z'		
2.	iP	02 42 52.0	Z		
3.	(LQ)	02 46 14.0	E'		
	LR	48 44.0	Z'		
4.	eP	05 09 51.5	NEZ	1.2	2.54
	ePP	11 21.0	Z'		
	iS	15 11.5	E'		
	LQ	16 06.0	N'		
	LR	18 29.0	Z'		
5.	eP	06 04 22.0	Z	1.5	0.24
6.	iP	16 29 26.8	Z		
	iS	29 44.3	E		
7.	e(P)	17 31 22.0	Z		
8.	i(P)	18 00 28.3	Z		
	e(S)	01 54.5	E		
9.	eP	18 25 48.0	NEZ,Z'	0.9	0.23
	eS	31 53.0	N'		
	LQ	34 34.0	N'E'		
	LR	36 33.0	Z'		
10.	eP	18 50 24.0	Z		
11.	eP	19 34 04.0	Z		
12.	eX	19 45 05,0	Z'		
13.	i(P)	23 18 18.5	Z		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
23 FEB.					
1.	i(P)	07 38 34.0	Z		
2.	eX	07 41 29.0	Z'		
3.	i(P)	08 04 19.5	Z		
4.	iP	08 48 49.5	Z		
	iS	48 53.5	NE		
5.	iS	15 10 09.0	N		
24 FEB.					
1.	iP	13 24 12.0	Z	1.0	0.08
2.	iP	19 09 52.8	Z	0.5	0.18
	iS	10 09.5	N		
3.	iP	20 15 45.5	Z	0.7	0.09
4.	LR	20 23 23.0	Z'		
25 FEB.					
1.	i(P)	06 18 27.5	Z		
	iS	18 45.5	E		
2.	iP	06 59 12.2	Z		
3.	iP	07 33 09.8	Z	0.7	0.14
	iS	34 26.5	N		
	(LR)	34 57.0	Z'		
4.	iP	07 38 51.6	NEZ	0.5	0.19
	e(S)	40 54.0	N'		
	(LR)	41 16.0	Z'		
5.	eP	07 43 53.5	Z		
	iS	45 21.8	E		
6.	iP	08 08 29.1	Z		
	iS	08 43.8	NE		
7.	iP	09 27 52.3	NEZ	0.7	0.38
	iS	29 09.0	N		
	LR	29 53.0	Z'		
8.	iP	14 16 05.5	Z	0.7	0.05
	ePPP	17 06.0	Z'		
	eS	20 25.0	N'		
	LQ	21 41.0	N'		
	LR	23 03.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
25 FEB.					
9.	iP	20 22 52.0	Z		
10.	i(P)	22 03 58.8	Z		
	iS	04 15.8	NE		
11.	eP	23 02 12.5	Z'	1.0	0.06
	ePP	05 06.0	Z'		
	eS	11 40.0	E'		
	eScS	12 40.0	N'E'		
	e(SS)	16 30.0	E'		
	eSSS	20 02.0	N'		
	LQ	21 28.0	E'		
	LR	24 44.0	Z'		
26 FEB.					
1.	eX	00 50 56.0	N'E'		
	(LQ)	56 34.0	N'		
	(LR)	59 01.0	Z'		
2.	iP	01 09 21.8	Z		
3.	iP	05 11 09.0	Z	1.0	0.24
4.	eX	05 17 31.0	Z		
5.	iP	05 41 41.0	Z	1.0	0.08
6.	iP	06 57 36.0	Z	1.0	0.08
7.	eX	11 42 47.0	E'		
	eX	47 22.5	N'		
	(LQ)	51 58.0	N'		
	LR	55 17.0	Z'		
27 FEB.					
1.	iX	00 49 13.0	N		
2.	iS	01 11 51.5	NE		
3.	iP	03 05 29.7	Z	0.6	0.10
	iS	06 49.5	E		
	(LR)	07 32.5	Z'		
4.	eX	13 45 57.0	Z'		
5.	iP	16 37 20.5	Z	1.0	0.08
6.	eX	16 47 36.0	N'E'		
7.	(LR)	16 55 49.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
27 FEB.					
8.	i(P)	17 27 38.0	Z		
	i(S)	27 47.0	E		
9.	eX	17 30 20.0	N'		
10.	iP	18 44 08.0	NEZ		
	iS	44 19.8	N		
11.	iP	20 32 22.0	Z	0.8	0.05
	iS	33 20.5	NE		
12.	i(P)	20 36 32.5	Z		
13.	eX	20 37 49.0	Z'		
28 FEB.					
1.	iP	02 08 17.0	Z, Z'	1.0	0.44
	eS	14 21.0	N'		
	(LR)	19 36.0	Z'		
2.	iP	03 44 09.2	Z		
3.	iP	05 18 57.0	Z	0.8	0.13
	iS	19 10.0	N		
4.	iP	06 29 22.1	Z		
	i(S)	30 00.0	E'		
5.	iP	07 40 51.0	Z		
6.	e(P)	13 39 18.0	Z		
	i(S)	42 16.0	E		
	(LR)	43 00.0	Z'		
7.	i(P)	16 23 52.5	Z		
8.	iP	17 09 02.6	Z		
	i(S)	09 17.0	E		
9.	i(P)	17 09 18.5	Z		
	iS	09 26.5	N		
10.	iP	17 24 48.8	Z		
	iS	24 56.5	NE		
11.	i(P)	19 04 39.5	Z		
12.	(LR)	19 07 39.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
28 FEB.					
13.	iP	22 26 09.0	Z		
	eX	28 32.0	Z'		
14.	i(P)	22 40 46.0	Z		
15.	eX	22 56 34.0	Z'		
16.	iP	23 18 14.5	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
1 MAR.					
1.	iP	07 14 27.8	Z		
	i(S)	14 48.0	E		
2.	eX	09 53 23.0	Z'		
3.	eX	14 49 17.0	E'		
4.	i(P)	18 10 31.0	Z		
5.	iX	20 32 53.5	N		
6.	iP	21 33 53.5	Z		
2 MAR.					
1.	i(P)	02 48 03.0	Z		
2.	eX	03 17 04.0	Z'		
3.	iP	05 25 45.5	Z		
4.	eP	07 29 44.5	Z	0.9	0.17
	ePP	30 20.0	E'		
	eS	33 40.0	E'		
	(LQ)	34 56.0	N'		
	LR	36 02.5	Z'		
5.	iP	07 44 37.5	E		
6.	iP	14 10 59.5	NZ		
	iS	12 33.6	N		
7.	iS	16 29 59.0	NE		
8.	i(P)	16 30 43.5	NE		
9.	iP	17 38 07.7	Z	1.0	0.08
	eS	42 26.0	N' E'		
10.	iP	20 20 47.2	Z	1.0	0.16
11.	eX	20 29 50.0	Z'		
	LR	31 34.0	Z'		
12.	iS	22 43 26.5	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
2 MAR.					
13.	iP	23 07 34.8	Z		
	i(S)	08 39.5	N		
3 MAR.					
1.	iP	03 33 18.0	NEZ,Z'	1.0	0.43
	eP	33 18.0	N' E'		
	ePP	33 56.5	Z'		
	eS	39 33.0	N' E'		
	LR	42 50.0	Z'		
2.	iP	05 27 46.0	NEZ	1.0	1.40
	iS	28 15.0	E'		
3.	iX	08 50 07.5	N		
4.	iP	11 19 27.5	Z		
	i(S)	20 05.0	E		
5.	iP	11 29 22.4	NEZ	0.6	0.15
	iS	29 58.0	N		
6.	iP	12 11 55.5	NEZ		
	iS	12 26.2	NE		
7.	iP	16 06 38.0	Z		
4 MAR.					
1.	iX	02 23 04.2	N		
2.	i(P)	02 45 14.5	Z		
	iS	45 30.8	E		
3.	iP	02 52 57.8	Z		
	iS	53 15.0	NE		
4.	iP	04 13 08.5	Z		
	iS	13 26.2	E		
5.	e(P)	04 23 13.0	Z		
6.	iP	08 42 39.8	Z	0.4	0.39
	iS	43 00.2	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
4 MAR.					
7.	iP	08 47 05.0	Z		
	iS	47 25.9	E		
8.	iS	08 53 06.5	E		
9.	eX	09 23 23.2	E		
10.	iP	19 44 39.5	Z		
	iS	44 46.5	E		
11.	i(P)	21 28 11.9	N		
	iS	28 17.5	E		
12.	iP	22 25 01.0	Z	0.5	0.18
13.	iP	22 46 22.5	NEZ		
	iS	46 35.6	NE		
14.	iP	22 59 22.2	Z		
	iS	59 38.5	N		
5. MAR.					
1.	i(P)	01 48 53.5	Z		
	eX	51 10.0	E'		
2.	iP	02 05 28.0	Z		
	(LR)	07 28.0	Z'		
3.	LR	02 50 14.0	Z'		
4.	iS	08 04 47.0	NE		
5.	iP	13 55 25.5	Z		
	iS	55 55.5	E		
6.	(LR)	16 15 35.0	Z'		
7.	i(P)	17 26 42.5	Z		
	iS	26 56.0	NE		
8.	eX	21 47 43.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
5 MAR.					
9.	eX	23 01 06.0	Z'		
10.	iP	23 09 53.0	Z	0.8	0.11
	iS	10 11.5	NE		
6 MAR.					
1.	(LR)	00 27 00.0	Z'		
2.	iP	02 18 26.0	Z	1.0	0.19
	eX	20 08.0	E' Z'		
3.	iP	02 23 24.5	Z,Z'	1.5	1.50
	iPP	25 09.0	N' Z'		
	iS	29 32.0	N'		
	LQ	32 43.0	E'		
	LR	34 54.5	Z'		
4.	i(S)	08 53 42.2	E		
5.	iS	14 54 43.3	NE		
6.	i(P)	15 52 08.5	Z		
7.	eX	17 44 20.5	E'		
	(LR)	45 07.0	Z'		
8.	eX	18 22 45.0	N' E'		
	eX	23 20.0	Z'		
	LR	36 53.0	Z'		
9.	i(S)	20 24 57.5	N		
10.	iS	21 41 53.5	NE		
11.	iP	23 47 44.3	Z	0.3	0.25
	iS	47 55.2	NE		
7 MAR.					
1.	iP	01 27 28.0	Z	1.0	0.24
	eS	36 49.0	N'		
	LQ	46 32.0	E'		
	(LR)	52 39.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
7 MAR.					
2.	i(P)	04 42 40.0	Z		
3.	iP	10 08 56.0	Z		
4.	iP	14 12 52.0	Z		
5.	iP	21 34 04.0	N' Z'	1.3	1.83
	iS	38 00.0	N'		
8 MAR.					
1.	iP	00 29 44.0	Z, Z'		
	ePP	33 13.0	Z'		
	eS	39 26.0	N' E'		
	ePPS	40 42.0	E'		
	eSS	44 44.0	E'		
	eSSS	46 41.0	E'		
	LQ	49 33.0	N'		
	LR	53 29.0	Z'		
2.	iP	01 23 08.0	NEZ, Z'	1.0	0.70
	eP	23 08.0	N' E'		
	ePP	25 19.0	Z'		
	ePPP	26 32.0	Z'		
	iS	30 48.5	N'		
	eScS	33 03.0	E'		
	eSS	34 34.0	N'		
	LQ	37 02.0	N'		
	LR	40 04.0	Z'		
3.	iP	02 19 08.0	Z		
	iS	19 44.0	E		
4.	iP	03 51 28.0	Z		
5.	eX	03 55 25.0	N'		
	LR	57 25.0	Z'		
6.	iP	05 44 42.0	N' Z'		
	iX	45 54.0	Z'		
	eS	47 42.0	N'		
7.	iP	05 52 23.0	Z		
	i(S)	52 28.0	N		
8.	eP	06 03 47.5	NEZ		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
8 MAR.					
9.	iP	06 30 01.0	Z		
10.	iP	06 31 48.8	Z		
11.	iP	07 31 59.5	Z		
12.	iP	07 41 36.5	Z	1.0	0.12
13.	iP	09 46 16.8	NEZ	0.5	0.62
	iS	46 27.0	N		
14.	i(P)	10 30 33.5	Z		
15.	iP	11 16 53.0	Z		
	iS	17 07.0	N		
16.	iP	12 23 00.0	Z	1.0	0.12
	e(S)	25 58.0	E'		
	LR	27 51.0	Z		
17.	iP	16 15 23.5	Z		
18.	iP	18 32 01.0	Z		
	iS	32 12.2	NE		
19.	iP	18 42 13.5	Z		
20.	LR	18 47 16.0	Z'		
21.	iX	21 08 06.0	Z'		
	iX	11 55.0	Z'		
9 MAR.					
1.	iP	00 58 05.0	Z		
	iS	58 13.0	E		
2.	iP	03 39 59.5	Z		
	iS	40 20.0	N		
3.	iP	04 16 56.0	Z		
	iS	17 42.0	E		
4.	eX	05 56 10.0	N'		
5.	i(P)	07 58 20.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
9 MAR.					
6.	iP	08 23 38.0	NZ		
	iS	23 40.0	NE		
7.	iP	09 58 10.0	Z	1.0	0.18
8.	iP	10 46 50.0	Z		
	iS	47 12.0	NE		
9.	eP	23 19 45.0	Z'	1.0	0.30
	eX	25 14.0	E'		
10 MAR.					
1.	iX	01 57 28.5	N		
2.	i(P)	02 14 16.0	Z		
3.	iP	04 30 43.8	NEZ,N' E' Z'		
	eX	32 38.0	Z'		
	eS	34 16.0	E'		
	eX	36 24.0	N'		
4.	iP	10 59 00.2	Z	0.8	0.20
	eS	11 00 09.5	E		
	(LR)	00 30.0	Z'		
5.	iP	12 45 34.5	NZ	1.0	0.28
	e(S)	48 27.0	N'		
	LR	49 38.0	Z'		
6.	iP	19 06 46.5	Z		
11 MAR.					
1.	i(P)	03 44 02.5	Z		
2.	eX	03 46 50.0	Z'		
3.	iP	05 48 07.5	Z		
4.	i(P)	06 25 40.0	Z		
	eS	29 39.0	N'		
	LR	31 43.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
11 MAR.					
5.	LR	08 50 42.0	Z'		
6.	i(S)	09 20 36.7	E		
7.	LR	10 47 00.0	Z'		
8.	iP	11 44 23.0	Z	0.8	0.25
	iS	44 33.3	E		
9.	iP	14 57 17.5	Z		
	iS	57 36.0	E		
10.	i(P)	15 37 52.5	Z		
	iS	38 01.5	E		
11.	i(P)	22 24 54.8	Z		
	i(S)	25 16.0	E		
12.	iP	22 47 12.0	Z		
	iS	47 32.0	E		
12 MAR.					
1.	iP	04 25 22.5	Z		
	iS	25 43.0	NE		
2.	iP	04 50 02.5	NEZ	0.9	0.14
	i(S)	50 39.8	E		
3.	iP	06 15 50.0	Z		
	iS	16 11.0	NE		
4.	iP	12 45 12.0	NEZ	0.7	0.26
5.	iP	16 33 13.0	NEZ,N'E'Z'		
6.	iP	18 01 29.5	NEZ		
	i(S)	02 54.5	E		
7.	iP	19 15 47.0	Z	1.0	0.32
	i(S)	17 12.0	E		
8.	iP	19 24 51.0	Z		
	i(S)	26 16.5	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
12 MAR.					
9.	iP	19 30 58.0	Z		
	i(S)	32 24.8	E		
10.	iP	20 43 21.5	Z		
	i(S)	44 48.5	E		
11.	iP	20 53 42.0	Z		
	i(S)	55 09.0	N		
12.	iP	20 58 51.5	Z		
	i(S)	21 00 21.5	E		
13.	iP	21 28 31.5	Z		
14.	iP	22 07 06.5	Z		
15.	iP	23 35 02.5	Z		
	i(S)	36 28.5	E		
13 MAR.					
1.	iP	00 51 06.5	Z	0.9	0.08
	iS	52 37.7	E		
	eX	53 20.0	Z'		
2.	eX	01 23 05.0	Z'		
3.	eX	01 29 14.0	Z'		
4.	iP	03 59 18.0	Z	1.0	0.04
	iS	04 00 44.5	NE		
	(LR)	00 45.0	Z'		
5.	iP	04 13 07.8	Z	0.9	0.08
	i(S)	14 41.0	N		
6.	iP	04 32 42.8	Z	0.8	0.11
	i(S)	34 33.0	E		
7.	iP	04 57 19.9	Z	0.9	0.08
	i(S)	58 53.0	E		
	LR	59 07.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
13.MAR.					
8.	iP	05 43 58.0	Z		
9.	iP	06 30 06.5	Z		
	i(S)	31 34.0	NE		
	eX	32 00.0	Z'		
10.	eX	07 21 56.0	N'		
11.	eX	07 25 55.0	Z'		
12.	i(P)	07 31 29.5	Z		
13.	iP	08 04 38.0	Z	0.8	0.03
	fS	06 10.8	N		
	LR	06 53.0	Z'		
14.	eX	10 01 33.0	E'		
15.	i(P)	12 42 41.0	Z		
	eX	43 13.0	Z'		
	eX	46 20.0	Z'		
16.	eX	13 07 08.0	Z'		
17.	eX	13 12 47.0	Z'		
18.	eX	13 57 48.0	N'		
	eX	14 04 21.0	N'		
19.	iP	14 55 40.0	Z	0.7	0.06
	iS	57 11.9	E		
	LR	57 27.0	Z'		
20.	i(P)	15 02 36.0	Z		
21.	eX	18 28 03.0	Z'		
	eX	33 49.0	E'		
22.	eX	18 46 10.0	Z'		
	LR	54 54.0	Z'		
23.	iP	19 03 45.5	Z	1.0	0.14
	LR	05 33.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
13 MAR.					
24.	iP	20 30 29.5	Z	0.8	0.09
	e(S)	32 33.0	N'		
25.	LR	22 57 17.0	Z'		
14 MAR.					
1.	iP	00 49 40.0	Z		
	iS	50 06.8	E		
2.	iP	00 51 24.0	Z		
	iS	51 50.0	E		
3.	i(P)	02 33 43.0	Z		
4.	iP	02 50 11.5	Z	0.6	0.21
	iS	50 20.0	NE		
5.	eP	04 03 27.5	Z		
	(LR)	05 17.0	Z'		
6.	eX	04 53 12.0	Z'		
	LR	57 20.0	Z'		
7.	eX	05 23 37.0	Z'		
8.	iX	05 53 17.0	N		
9.	i(P)	07 24 10.0	Z		
10.	iP	09 23 38.9	NEZ	1.0	0.36
	LR	25 54.0	Z'		
11.	iP	09 50 47.5	Z		
	iS	51 00.0	NE		
12.	iP	13 22 41.0	Z		
13.	i(P)	14 15 16.0	Z		
14.	iP	16 30 15.0	Z		
	iS	30 23.0	NE		
15.	eX	17 23 17.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
14 MAR.					
16.	eX	17 32 07.0	Z'		
17.	iP	19 10 58.0	Z	1.0	0.08
18.	LR	19 14 12.0	Z'		
19.	iP	21 41 44.0	Z	1.0	0.12
	eX	43 30.0	E		
	LR	45 04.0	Z'		
20.	iP	22 01 38.5	Z		
	eX	04 59.0	Z'		
	(LR)	06 04.0	Z'		
21.	eX	22 57 18.0	Z'		
22.	eX	23 08 57.0	Z'		
15 MAR.					
1.	iP	01 35 31.0	Z		
	iS	35 56.0	N		
2.	iP	09 35 55.5	NEZ	0.5	0.39
	iS	35 59.0	NE		
3.	eX	09 37 32.0	E'		
4.	iP	10 00 13.5	NEZ	0.5	0.41
	iS	00 16.2	NE		
5.	eX	10 52 37.0	N'		
	LR	54 32.0	Z'		
6.	iP	11 15 36.0	NEZ	0.8	0.19
	iS	17 26.5	N		
7.	LR	11 18 07.0	Z'		
8.	iP	12 43 05.2	Z		
	iS	43 11.5	N		
9.	eX	13 09 04.0	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
15 MAR.					
10.	eX	13 18 21.0	E'		
11.	iP	13 19 19.5	Z	0.8	0.03
	i(S)	19 49.8	Z		
12.	LR	13 23 06.0	Z'		
13.	iP	14 55 39.5	NEZ		
	iS	55 54.5	NE		
14.	i(P)	15 44 43.5	E		
15.	iP	16 20 39.5	Z	0.9	0.10
16.	iP	18 58 24.5	Z		
	iS	58 34.0	E		
17.	iP	22 46 26.0	NEZ	0.4	0.21
	iS	46 30.0	NE		
18.	iP	23 33 43.5	EZ,N' Z'	1.0	0.39
	iS	35 34.0	E'		
	LR	35 50.0	Z'		
16 MAR.					
1.	iP	00 16 21.8	Z		
2.	iP	01 43 22.5	Z		
3.	iX	03 29 40.5	N		
4.	iX	05 34 32.0	N		
5.	iP	10 29 11.0	Z		
	(LR)	32 52.0	Z'		
6.	iP	12 24 32.5	Z		
7.	e(P)	12 34 21.0	Z'		
	eX	39 12.0	N'		
	eX	42 39.0	E'		
	LR	48 18.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
16 MAR.					
8.	iP	16 58 35.0	Z		
	iS	17 00 24.0	E'		
9.	eP	17 23 07.5	Z		
10.	iP	17 26 03.8	Z		
11.	e(P)	17 28 51.0	Z		
12.	iP	19 53 12.8	NEZ	0.9	0.30
13.	iP	19 58 23.5	Z		
17 MAR.					
1.	iP	04 01 04.0	Z'	1.0	0.28
	eS	03 56.0	E'		
	(LR)	05 38.0	Z'		
2.	eP	04 11 23.5	Z		
3.	iP	04 16 27.8	NEZ	0.6	0.36
	iS	16 33.5	N		
4.	eP	04 58 49.0	Z		
5.	iP	05 13 03.0	Z		
6.	iS	07 31 19.0	NE		
7.	eX	07 56 30.0	Z'		
8.	iP	08 18 42.0	Z		
	iS	18 47.0	N		
9.	eX	08 31 18.0	Z'		
10.	e(P)	08 40 26.0	Z'		
	eX	41 56.0	E'		
	LR	44 04.0	Z'		
11.	(LR)	09 57 18.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
17 MAR.					
12.	iP	16 00 43.0	NEZ,N' E' Z'	1.0	1.60
	esP	01 23.0	Z'		
	e(PP)	02 44.0	Z'		
	esPP	03 50.0	Z'		
	iS	09 05.0	N'		
	eSS	13 32.0	E'		
	G	17 01.0	N'		
18 MAR.					
1.	iP	01 02 55.0	NEZ		
	iS	02 58.0	NE		
2.	i(P)	03 20 28.3	Z		
	iS	21 53.0	N		
3.	i(S)	04 30 16.0	N		
4.	iP	08 26 52.5	Z		
5.	iP	13 59 19.0	NZ	0.4	0.07
	iS	59 49.5	N		
6.	eX	14 40 25.0	Z'		
7.	i(S)	14 55 58.0	NE		
8.	e(S)	15 37 04.0	N'		
	LQ	39 46.0	N'		
	LR	41 15.0	Z'		
9.	iP	16 29 44.0	NEZ		
	iS	29 53.5	E		
10.	iS	20 36 49.5	E		
19 MAR.					
1.	i(P)	08 11 44.5	Z		
2.	iP	08 59 10.5	Z		
3.	iP	09 42 36.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
19 MAR.					
4.	iP	13 50 49.0	Z,Z'	1.4	0.60
	e(S)	57 46.0	E'		
	LQ	14 02 05.0	E'		
	LR	04 44.0	Z'		
5.	iP	15 01 25.0	Z	0.8	0.20
	eX	02 11.0	E		
	(LR)	03 06.0	Z'		
6.	iP	17 04 31.5	Z		
	eS	08 30.0	N'		
	LQ	10 39.0	N'		
	LR	11 44.0	Z'		
7.	i(P)	17 49 24.5	Z		
	eX	51 22.0	Z'		
	eX	57 30.0	N		
	(LR)	18 07 21.0	Z'		
20 MAR.					
1.	eP	01 55 53.0	Z,Z'		
	iX	59 00.0	Z'		
	e(S)	02 06 32.0	E'		
2.	iS	05 44 11.2	NE		
3.	iP	05 58 39.0	Z	0.8	0.21
4.	iP	07 59 05.5	Z,Z'	1.1	0.39
5.	eP	08 01 45.5	Z		
6.	eX	08 08 26.0	Z'		
7.	(LR)	08 35 18.0	Z'		
8.	iP	08 40 52.0	Z		
9.	iP	09 15 58.0	Z,Z'	0.9	0.07
	e(S)	26 19.0	N'		
	LR	39 33.0	Z'		
10.	iP	17 28 30.0	Z	1.0	0.94
	iS	30 02.0	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
20 MAR.					
11.	eX	18 26 11.0	E'		
	LQ	32 12.0	N'		
	LR	36 14.0	Z'		
21 MAR.					
1.	iP	00 04 47.0	Z	1.0	0.24
	iS	06 12.0	E		
2.	iP	02 26 03.2	Z		
	iS	26 22.0	N		
3.	iP	02 44 19.8	Z		
	iS	44 26.2	N		
4.	iP	06 31 58.7	Z	0.8	0.07
	iS	34 08.5	NZ		
	LR	35 04.0	Z'		
5.	i(P)	07 47 43.5	Z		
6	iX	08 42 40.0	E		
7.	iP	08 51 32.0	Z		
8.	iX	13 40 16.0	Z		
9.	iP	16 08 19.0	Z		
	iS	08 34.2	E		
10.	eX	16 13 10.0	Z'		
11.	iP	16 54 35.0	NEZ,Z'	1.0	0.72
	iS	54 42.0	E		
12.	iP	18 49 12.5	Z,Z'	1.0	0.30
	iS	49 41.0	E'		
13.	iP	19 26 11.0	Z		
	i(S)	26 27.8	N		
14.	iP	20 38 57.5	Z	1.0	0.26
	LR	40 26.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
21 MAR.					
15.	eP	22 38 34.0	Z'		
	eS	42 37.0	E'		
	(LR)	43 42.0	Z'		
16.	iP	22 40 56.5	Z		
	iS	41 24.0	E		
17.	iP	22 54 00.5	Z		
18.	i(P)	22 56 24.0	E		
22 MAR.					
1.	iP	03 04 24.8	Z		
	eX	06 29.0	E'		
	(LR)	07 14.0	Z'		
2.	iP	03 26 32.0	Z		
3.	i(P)	05 58 35.0	Z		
	iS	59 32.5	N		
4.	e(P)	06 02 35.5	Z		
5.	eX	06 11 08.5	Z'		
6.	iP	08 16 26.0	Z,Z'	1.0	2.40
	iS	20 26.0	E'		
7.	iP	08 24 24.0	NEZ	1.0	1.60
	iS	28 25.0	N		
8.	iP	08 50 40.0	Z	1.0	0.40
9.	iP	09 06 44.0	Z		
10.	i(P)	09 45 02.5	Z		
	iS	45 22.0	N		
11.	iP	10 17 18.0	Z		
	iS	17 37.0	E		
12.	iP	10 32 54.5	Z		
	iS	33 14.5	E		
13.	iP	11 13 29.5	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
22 MAR.					
14.	i(P)	11 42 22.0	Z		
15.	iP	12 12 58.0	Z	1.0	0.12
16.	eX	16 51 03.0	Z'		
17.	iP	17 30 26.0	Z	0.6	0.13
	iS	30 49.5	NE		
18.	i(P)	22 15 32.0	Z		
23 MAR.					
1.	iP	00 06 24.0	NEZ,N' E' Z'		
2.	iX	01 48 15.0	E		
3.	iP	07 42 39.0	Z	0.6	0.18
	iS	43 13.5	NE		
4.	eP	08 12 48.0	Z		
5.	iP	08 16 29.5	Z		
6.	iP	10 33 52.5	Z		
	iS	34 11.5	E		
7.	iP	14 36 11.0	Z	0.7	0.05
	iS	36 31.5	NE		
8.	iP	17 32 51.0	Z	1.0	0.30
	eP	32 51.0	Z'		
	eS	36 54.0	N'		
	(LR)	38 25.0	Z'		
9.	iP	18 05 07.0	Z		
	iS	05 26.5	E		
10.	iP	19 20 34.5	Z		
11.	iP	21 53 35.0	Z	1.0	0.16
	eX	57 29.0	E		

Date		Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
24 MAR.						
	1.	iP	01 03 25.5	Z	0.9	0.12
		eX	08 12.0	E'		
	2.	iP	01 09 25.0	Z		
		iS	09 44.0	E		
	3.	i(P)	01 18 25.0	Z		
		iS	18 37.2	E		
	4.	i(P)	02 16 50.5	Z		
		iS	17 05.0	N		
	5.	i(P)	03 33 00.5	Z		
		i(S)	33 22.5	E		
	6.	iP	08 37 17.5	Z,Z'	0.8	0.98
		eS	44 54.0	E'		
		LQ	51 14.0	N'		
		LR	53 31.0	Z'		
	7.	iP	10 20 04.0	Z		
	8.	(LR)	11 38 05.0	Z'		
	9.	iP	11 53 26.8	Z		
		iS	53 40.0	E		
	10.	iP	12 03 44.2	Z		
		iS	04 08.0	N		
	11.	i(S)	12 42 50.5	NE		
	12.	i(S)	15 40 45.5	N		
	13.	eX	20 08 16.0	Z'		
		LR	12 48.0	Z'		
	14.	eX	21 09 13.0	N'		
25 MAR.						
	1.	iP	01 08 09.5	Z		
		iS	08 17.8	NE		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
25 MAR.					
2.	iP	06 36 44.8	Z		
	iS	37 06.7	NEZ		
3.	eX	06 37 16.0	N'		
	LR	39 15.0	Z'		
4.	eP	09 02 16.0	Z	1.1	0.07
	e(S)	06 35.0	N'		
	(LR)	08 12.0	Z'		
5.	eX	11 57 37.5	N'		
6.	eX	13 56 02.0	E'		
26 MAR.					
1.	iP	01 01 34.5	Z		
2.	i(P)	06 30 45.5	Z		
3.	iP	08 34 08.0	Z		
	iS	34 42.0	NEZ		
4.	iP	14 10 01.7	Z		
	i(S)	10 41.0	E'		
5.	iP	15 19 26.5	Z		
6.	iP	15 23 54.0	Z	1.0	0.45
	eP	23 54.0	N' Z'		
	iS	27 54.0	N' E'		
	LR	29 42.0	Z'		
7.	i(P)	17 31 41.0	Z		
	iS	32 35.0	N		
8.	iP	18 19 17.5	Z		
9.	iP	19 00 46.0	Z		
	iS	01 01.0	NE		
10.	iP	22 20 13.5	Z		
11.	(LR)	23 49 40.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
27 MAR.					
1.	i(P)	02 04 29.0	Z		
2.	iP	02 11 14.4	Z	0.8	0.14
	iS	11 28.0	E		
3.	iP	03 37 08.7	Z	1.3	0.13
4.	eX	03 49 31.0	N'		
	(LR)	51 03.0	Z'		
5.	eP	04 25 58.0	Z		
	eX	28 16.0	Z'		
6.	iP	04 39 29.5	Z		
	iS	39 42.5	E		
7.	i(P)	11 48 00.0	Z		
8.	iS	11 49 17.0	NE		
9.	iP	13 29 50.2	Z	1.0	0.08
10.	iP	14 39 18.0	Z		
	iS	39 27.8	NE		
11.	i(P)	16 16 40.0	Z		
	iS	17 00.5	E		
12.	iP	16 47 50.7	Z		
	iS	48 11.0	E		
13.	iP	19 13 16.5	Z, Z'	1.0	0.33
14.	eX	20 01 44.0	Z'		
15.	(LR)	20 24 40.0	Z'		
16.	i(P)	21 02 10.5	Z		
17.	iP	23 10 29.5	Z		
	iS	10 44.5	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
28 MAR.					
1.	iX	03 31 31.5	N		
2.	eX	03 35 19.0	N'		
	LR	36 53.0	Z'		
3.	LR	05 01 34.0	Z'		
4.	iP	05 51 50.5	Z		
	i(S)	52 09.0	N		
5.	iS	08 03 21.0	NE		
6.	iS	09 02 06.0	NE		
7.	eX	09 50 53.0	Z'		
8.	iP	12 43 43.0	Z		
	i(S)	44 12.7	N		
9.	i(P)	15 47 42.0	Z		
	iS	48 13.5	N		
10.	iP	15 51 50.0	E' Z'		
	eS	56 22.0	E'		
11.	iP	16 09 04.5	Z		
12.	i(S)	16 12 31.0	N		
13.	eX	16 13 54.5	N		
14.	LR	16 41 22.0	Z'		
15.	eX	18 15 57.0	Z'		
16.	eX	18 26 27.0	N'		
17.	eX	18 33 06.0	Z'		
18.	LR	18 53 36.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
28 MAR.					
19.	i(P)	20 39 29.5	Z		
	iS	39 42.0	N		
20.	iP	22 17 49.3	Z		
	iS	18 06.2	N		
21.	iP	22 24 45.7	Z		
	iS	25 02.8	N		
22.	iP	22 33 58.8	Z		
	iS	34 06.8	N		
23.	iP	22 37 59.0	Z	0.7	0.12
	iS	38 16.5	E		
29 MAR.					
1.	i(P)	01 51 40.0	Z		
	iS	51 52.0	NE		
2.	iP	02 22 25.5	Z,Z'	1.0	0.50
	ePP	22 55.0	Z'		
	eS	26 19.0	N'		
	LQ	26 53.0	N'		
	LR	27 48.0	Z'		
3.	iP	02 50 55.3	Z		
	iS	51 14.5	E		
4.	iX	05 25 04.5	E		
5.	eP	06 16 50.0	NZ,Z'	0.8	0.21
	eX	20 52.5	N'		
	LR	22 38.0	Z'		
6.	iP	15 49 54.0	Z	0.8	0.14
7.	eX	15 54 07.0	Z'		
	(LR)	55 30.0	Z'		
8.	iP	20 00 41.0	Z		
	iS	00 52.0	NE		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
29 MAR.					
9.	eiP	21 55 14.5	Z		
	iS	55 40.5	E		
10.	i(P)	22 12 10.5	Z		
	i(S)	12 41.5	E		
30 MAR.					
1.	i(P)	04 28 12.5	Z		
2.	eX	04 35 55.0	N'		
	LR	48 05.0	Z'		
3.	iP	05 34 14.5	Z		
	(LR)	37 17.0	Z'		
4.	iP	08 18 55.0	Z	0.8	0.09
5.	eX	13 03 52.0	N'		
	(LR)	21 32.0	Z'		
6.	iS	15 36 32.0	NE		
7.	iP	17 26 22.5	Z		
8.	i(P)	17 33 27.5	Z	1.0	0.14
	LR	35 38.0	Z'		
9.	iP	18 09 28.0	Z		
10.	iP	21 19 12.0	Z		
	iS	19 27.5	E		
31 MAR.					
1.	eP	05 15 41.0	Z,Z'		
	eS	23 38.0	N'		
	eSS	27 49.0	N'		
	LQ	30 04.0	N'		
	LR	33 49.0	Z'		
2.	iS	05 59 53.0	NE		
3.	iS	11 17 32.0	E		
4.	i(P)	11 21 17.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
31 MAR.					
5.	iX	13 00 43.2	E		
6.	iP	13 33 36.5	Z		
	i(S)	34 09.0	E		
7.	iP	17 58 22.0	Z		
	iS	58 32.5	NE		
8.	iP	18 41 41.5	Z		
	iS	41 46.0	NE		
9.	iS	19 25 27.0	NE		
10.	iP	19 49 17.8	Z		
	iS	49 34.0	NE		
11.	i(P)	21 46 02.0	Z		
12.	iP	23 46 24.0	Z,Z'	0.8	0.37
	eX	53 17.0	N'		

BAGUIO STATION

QUARTERLY SEISMOLOGICAL BULLETIN

MANILA OBSERVATORY

PHILIPPINES

BAGUIO SEISMIC STATION

Baguio, Philippines

Latitude	16° 24' 39'' N
Longitude	120° 34' 47'' E
Elevation	1507 meters

Instruments: World-wide standardized seismographs (USCGS)

S. P.: Benioffs (designated as N, E, Z)

T_o - 1.0 sec.

T_g - 0.75 sec.

Magnification: usually 25,000

L. P.: Sprengnethers (designated as N', E', Z')

T_o - 15 secs.

T_g - 100 secs.

Magnification: usually 3,000

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
1 APR.							
1.	iP	02	31	14.5	Z		
	i(S)		32	04.3	E		
2.	iP	02	44	19.0	Z	0.8	0.03
	i(S)		45	10.5	E		
3.	i(P)	03	19	41.5	Z		
	i(S)		20	04.0	N		
4.	eX	03	54	06.0	Z'		
	eX	04	11	13.0	E'		
	LR		31	35.0	Z'		
5.	iS	04	19	39.0	NE		
6.	i(S)	04	32	15.5	E		
7.	iP	05	27	59.3	Z	0.8	0.26
8.	iP	05	40	32.5	Z		
	iS		41	21.5	E		
9.	i(P)	10	28	12.5	Z		
	iS		28	27.0	E		
10.	i(P)	13	21	29.0	Z		
11.	eX	13	27	08.0	Z'		
12.	iS	13	30	53.0	E		
13.	iP	17	20	01.5	Z		
	i(S)		21	35.5	E		
14.	iP	19	03	48.5	NZ		
	iS		04	14.8	NE		
15.	iP	20	12	17.8	Z		
	iS		12	19.5	NE		
16.	iP	20	50	34.5	Z		
	i(S)		51	34.8	E		
17.	iP	22	50	59.0	Z		
	iS		51	01.5	NE		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
2 APR.					
1.	iP	01 27 08.0	Z		
	iS	27 23.0	E		
2.	iX	02 58 23.0	Z		
3.	iP	13 00 26.0	NEZ		
	iS	00 54.7	N		
4.	iP	17 40 39.0	Z		
	iS	40 50.8	E		
5.	iP	18 06 46.0	Z		
	iS	07 16.2	E		
6.	iP	22 49 19.8	Z		
	eX	54 23.0	E'		
	LR	23 00 18.0	Z'		
3 APR.					
1.	iP	04 49 15.5	Z	0.9	0.26
	e(S)	55 12.0	N'		
	eX	56 34.0	Z'		
2.	i(P)	04 52 38.7	Z		
	e(S)	53 47.8	E		
3.	eX	07 59 06.0	Z'		
4.	eX	12 27 25.0	Z'		
5.	iP	15 34 22.3	Z		
	iS	34 29.3	E		
6.	eX	16 28 46.0	Z'		
7.	iP	18 18 22.0	Z	0.8	0.10
	iS	18 45.5	E		
8.	eX	18 40 31.0	N'		
9.	iP	21 15 10.0	NEZ	0.4	0.10
	iS	15 16.2	NE		
10.	iX	21 44 40.0	N		
11.	iP	22 44 25.0	Z		
	iS	44 45.8	N		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
3 APR.							
12.	eX	22	44	50.0	Z'		
	LR		49	57.0	Z'		
13.	iP	23	12	39.5	Z	0.7	0.08
	iS		13	04.5	E		
4 APR.							
1.	eX	02	32	02.0	Z'		
2.	eP	02	57	29.5	Z		
	eX	03	02	25.0	E'		
	(LR)		05	52.5	Z'		
3.	eX	05	59	28.0	Z'		
	eX	06	03	45.0	N'		
	(LR)		13	32.0	Z'		
4.	iP	06	48	04.5	Z,Z'		
	eS		52	54.0	E'		
	LR		55	48.0	Z'		
5.	i(P)	07	06	35.5	Z		
6.	i(P)	07	27	41.0	Z		
7.	iP	10	30	25.0	Z		
	iS		30	33.0	NE		
8.	eP	10	37	39.8	Z,Z'		
	eS		43	47.0	N' E'		
	LQ		46	30.0	E'		
	LR		48	57.0	Z'		
9.	iP	12	41	26.8	Z		
10.	e(P)	13	33	01.8	Z		
11.	eX	13	45	18.0	Z'		
12.	iP	23	41	22.2	Z,Z'	1.0	0.08
	eX		46	40.0	E'		
	LR		52	18.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
5 APR.					
1.	i(P)	00 07 40.0	Z		
2.	iP	03 48 03.1	Z		
	iS	48 12.7	E		
3.	iX	04 19 55.5	N		
4.	iP	05 04 52.2	Z	0.9	0.10
5.	iP	08 03 17.0	Z	0.5	0.14
	iS	03 42.5	E		
6.	eP	08 57 20.0	Z'		
	e(S)	09 02 12.0	N' E'		
	LR	05 29.0	Z'		
7.	iP	09 01 03.6	Z		
	iS	01 32.0	E		
8.	i(S)	11 03 18.0	NE		
9.	iS	11 04 24.0	NE		
10.	LR	12 35 09.0	Z'		
11.	iP	15 36 04.8	Z		
	iS	36 09.8	E		
12.	LR	16 40 10.0	Z'		
13.	eX	17 20 16.0	Z'		
14.	iP	19 06 43.6	Z	0.7	0.04
15.	eX	19 16 09.0	Z'		
6 APR.					
1.	iP	01 53 57.8	Z	0.5	0.29
	iS	54 08.0	NE		
2.	iP	01 57 43.5	Z	0.8	0.04
	iS	58 09.1	E		
3.	LR	02 20 48.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
6 APR.							
4.	iP	03	09	45.0	Z'	1.5	0.19
	ePP		12	07.0	Z'		
	ePPP		13	46.0	Z'		
	e(P')		17	29.0	Z'		
	eS		18	34.0	E'		
	e(SS)		23	30.0	E'		
	IQ		26	06.0	E'		
	LR		30	40.0	Z'		
5.	e(P)	03	17	07.0	Z		
6.	iP	05	43	19.0	Z		
	iS		43	42.8	E		
7.	iP	11	23	42.0	Z		
	iS		23	52.5	E		
8.	iS	15	18	10.5	E		
9.	eX	19	49	49.5	Z'		
	eX		52	57.0	E'		
	LR		53	37.0	Z'		
10.	i(P)	19	53	03.0	Z		
	iS		53	21.8	N		
11.	iX	21	01	19.0	Z		
12.	eX	21	05	58.0	N'		
13.	iP	21	55	23.9	Z	1.0	0.10
	iS		57	49.0	N'		
	(LR)		58	17.0	Z'		
14.	iX	23	02	04.0	N		
7 APR.							
1.	e(P)	05	14	17.5	Z		
2.	eX	05	33	32.0	N'		
	LR		36	22.0	Z'		
3.	iP	07	26	44.8	Z		
	iS		27	10.0	E		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
7 APR.					
4.	iP	09 45 17.0	NEZ	1.0	0.56
	eP	45 17.0	N' E' Z'		
	eS	47 28.5	E'		
	LR	48 12.0	Z'		
5.	iP	10 59 41.0	Z		
	iS	59 57.0	N		
6.	eP	13 20 12.5	Z	1.0	0.16
	eS	22 30.0	E'		
	eX	22 58.0	E'		
7.	iP	16 44 40.0	Z		
	iS	44 57.0	N		
8 APR.					
1.	iP	01 53 04.7	Z		
2.	iP	01 55 02.5	Z'		
	eP	55 02.5	N' E'		
	ePP	56 51.0	Z'		
	eS	02 01 38.0	E'		
	LQ	05 16.0	E'		
	LR	08 44.0	Z'		
3.	iP	05 33 03.0	Z		
4.	iS	06 02 17.5	N		
5.	iP	10 40 04.3	Z	1.0	0.10
6.	i(P)	15 22 05.0	Z		
7.	iP	17 28 08.0	NEZ		
	iS	28 40.0	N'		
8.	e(P)	22 22 35.0	Z'		
	e(S)	32 12.0	N' E'		
	eX	36 46.0	E'		
	(LR)	45 35.0	Z'		
9 APR.					
1.	iP	01 40 53.5	Z		
	iS	40 55.5	NE		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
9 APR.					
2.	iP	02 53 56.5	Z	1.0	0.19
3.	eP	03 01 43.0	Z,Z'	1.1	0.23
4.	eX	03 47 10.5	Z'		
	LR	52 29.0	Z'		
5.	iP	08 34 36.5	EZ	0.8	0.13
	iS	34 43.0	NZ		
6.	eX	11 33 15.0	E'		
7.	iP	11 46 38.0	Z	0.4	0.10
	iS	47 03.7	NE		
8.	iX	14 28 37.3	E		
9.	iP	14 58 49.0	Z,Z'	1.0	0.48
	eS	15 06 31.0	N'		
	eSS	10 10.0	E'		
	LR	15 44.0	Z'		
10.	iP	20 03 53.0	Z,Z'	1.4	0.28
	eS	06 10.5	N'		
	LR	06 56.0	Z'		
11.	i(P)	22 20 32.0	Z		
	iS	21 02.8	NE		
12.	iP	23 23 57.8	Z	0.5	0.55
	i(S)	26 12.5	E		
10 APR.					
1.	iP	05 37 53.5	Z		
2.	iP	06 57 58.1	Z		
3.	eX	07 01 58.0	E'		
	LR	05 02.0	Z'		
4.	i(P)	10 09 21.5	Z		
	eX	10 44.0	E'		
	LR	11 20.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
10 APR.							
5.	eX	16	56	09.0	Z'		
6.	eX	17	28	40.0	Z'		
7.	(LR)	17	52	58.0	Z'		
8.	iP	18	42	22.5	Z		
	iS		42	33.0	E		
9.	iX	19	15	11.0	E		
11 APR.							
1.	iP	00	32	43.0	Z		
	iS		32	54.5	E		
2.	iP	01	24	17.4	NEZ	0.6	0.05
	iS		24	38.0	N		
3.	iP	11	23	56.0	NEZ	0.9	0.95
	iS		24	06.5	NE		
4.	i(P)	14	38	38.0	Z		
	i(S)		39	24.8	N		
5.	iP	18	30	12.0	NEZ	0.7	0.11
	iS		30	25.5	E		
6.	eX	18	40	12.0	Z'		
7.	eX	23	21	40.0	E'		
	(LR)		22	08.0	Z'		
12 APR.							
1.	iP	02	03	01.0	Z		
	iS		03	46.0	E		
2.	iP	03	48	33.5	Z		
	iS		48	43.8	NE		
3.	iS	04	13	28.5	NEZ		
4.	iP	09	48	56.0	Z		
	iS		49	26.0	N' E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
12 APR.							
5.	iP	14	07	50.0	Z		
	iS		07	58.3	NE		
6.	iP	15	17	35.0	Z		
7.	iS	17	09	51.8	NEZ		
8.	iP	18	22	59.0	Z		
9.	iP	19	33	21.0	Z		
	iS		33	33.1	N		
10.	eP	23	25	19.2	Z		
11.	e(P)	23	58	04.0	Z		
13 APR.							
1.	(LR)	00	40	38.0	Z'		
2.	eX	03	55	06.5	Z'		
	(LR)		59	12.0	Z'		
3.	LR	04	49	48.0	Z'		
4.	iP	08	29	03.5	Z		
	iS		29	59.5	N		
5.	iP	14	12	07.8	Z		
	iS		12	27.5	E		
6.	e(P)	15	30	23.5	Z		
7.	iP	16	45	37.0	Z		
	iS		45	41.0	N		
8.	iS	17	19	01.5	N		
9.	iP	22	29	32.0	Z	0.9	0.08
	iS		29	50.5	E		

Date	Phase	Time (GMT)			Comp.	T_s(sec)	A_z(micron)
14 APR.							
1.	iP	02	15	42.8	Z	0.9	0.07
	eX		20	14.0	E'		
	LR		21	50.0	Z'		
2.	iX	03	00	39.0	Z		
3.	i(P)	05	06	01.9	Z		
4.	iS	05	46	40.0	N		
5.	i(P)	07	35	48.0	Z		
	iS		36	07.0	E		
6.	iP	09	00	33.9	Z		
	iS		00	51.0	E		
7.	iX	09	08	15.6	Z		
	eX		09	35.0	Z'		
8.	iX	09	38	06.0	N'		
	eX		39	45.0	N'		
9.	iP	10	06	57.5	Z		
	iS		07	08.5	NE		
10.	iP	10	35	09.0	Z	0.9	0.04
	e(S)		39	38.0	E'		
	(LR)		41	22.0	Z'		
11.	iS	12	05	08.2	E		
12.	iP	13	06	08.5	NZ	0.7	0.03
	iS		06	16.2	E		
13.	i(P)	13	35	17.0	Z		
	iS		35	24.3	NE		
14.	iP	14	23	25.0	Z		
	iS		24	24.5	E		
	eX		25	25.0	Z'		
15.	iP	14	49	06.0	Z		
	iS		49	13.5	NE		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
14 APR.							
16..	iP	16	39	07.9	Z	0.6	0.03
	eS		43	51.0	N'		
	LQ		45	05.0	N'		
	LR		46	25.0	Z'		
17.	iP	17	33	21.5	Z		
	iS		33	23.8	NE		
18.	iP	17	48	38.8	Z		
	i(S)		49	28.5	E		
19.	iP	18	26	43.5	Z		
	iS		27	26.8	E		
20.	eP	21	15	03.3	Z	1.0	0.05
21.	eX	21	25	53.0	Z'		
	LR		34	48.0	Z'		
22.	iP	22	45	46.0	Z	0.9	0.03
	iS		46	12.0	N		
23.	eX	23	02	31.0	Z'		
15 APR.							
1.	i(S)	00	26	08.0	N'		
2.	i(P)	01	26	59.0	Z		
	iS		27	09.5	E		
3.	i(P)	01	44	40.0	E		
	LR		45	53.0	Z'		
4.	iP	02	51	13.0	Z		
	e(S)		53	28.0	E'		
	LR		55	26.0	E'		
5.	iP	02	58	09.5	Z		
	iS		58	27.0	E		
6.	iP	07	02	44.0	Z		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
15 APR.							
7.	iP	08	18	49.0	Z		
	i(P)		18	51.0	E		
8.	i(P)	14	20	12.0	Z		
	eX		21	49.0	Z'		
9.	iP	16	17	08.3	Z		
	iS		17	28.0	E		
10.	iP	23	47	07.8	Z		
	iS		47	23.0	N		
16 APR.							
1.	iP	01	36	00.8	Z	0.7	1.02
	iS		37	19.0	E		
2.	iP	01	38	48.0	Z'		
	eS		48	21.5	N' E'		
	eScS		49	10.0	E'		
	eSS		53	28.0	N'		
	eSSS		56	53.0	Z'		
	LQ		58	47.0	N'		
	LR	02	01	31.0	Z'		
3.	iP	02	28	15.0	Z	0.8	0.08
	i(S)		28	27.0	E		
4.	iP	02	53	52.0	Z		
	iS		54	04.5	E		
5.	iS	04	33	12.0	N		
6.	eP	10	18	55.2	Z		
	LR		24	33.0	Z'		
7.	eX	15	28	33.0	Z'		
8.	iP	15	33	52.5	Z	1.0	0.10
9.	eX	15	46	57.0	Z'		
10.	i(S)	16	45	44.0	NE		
11.	eX	18	24	25.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
17 APR.					
1.	iP	01 08 54.5	Z		
	iS	09 14.0	NE		
2.	iS	02 33 54.0	NEZ		
3.	iP	06 00 55.5	Z		
	iS	01 47.0	NEZ		
4.	eX	06 59 48.0	Z'		
	LR	07 11 53.0	Z'		
5.	iS	09 00 40.5	NE		
6.	eX	10 13 38.0	E'		
7.	iX	10 41 32.0	E		
8.	iP	19 17 24.5	Z		
	iS	17 31.4	NE		
9.	iS	20 31 05.0	NE		
10.	iS	22 56 51.0	NE		
18 APR,					
1.	i(P)	00 56 49.0	Z		
	iS	57 27.0	E		
2.	iP	08 25 25.5	Z	1.2	0.17
3.	i(P)	09 16 57.0	Z		
4.	eP	10 03 40.0	Z'		
	eS	07 56.0	E'		
5.	iP	13 20 26.0	Z		
	eX	22 15.0	Z'		
6.	iP	20 10 51.0	Z		
7.	iS	20 41 31.3	N		
8.	eX	22 46 02.0	E'		
9.	eX	23 48 37.5	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
19 APR.							
1.	e(P)	09	04	56.0	Z'		
	eX		07	22.0	E'		
2.	i(P)	09	37	36.0	Z		
3.	iP	10	05	21.5	Z		
4.	iP	14	38	46.5	Z		
	eX		39	23.0	Z'		
5.	iP	18	00	29.3	Z		
	eX		02	56.0	E'		
6.	eX	19	38	35.0	Z'		
20 APR.							
1.	eX	01	47	44.0	Z'		
2.	i(P)	02	17	50.0	Z		
3.	i(P)	02	20	05.0	Z		
4.	eP	02	38	18.0	Z'		
	eS		42	43.0	E'		
	LR		45	02.0	Z'		
5.	LR	05	54	26.0	Z'		
6.	eP	06	06	11.0	Z'		
	eS		10	44.0	E		
	LR		12	28.0	Z'		
7.	iP	07	53	35.5	Z	0.7	0.12
	iS		53	45.5	NE		
8.	iP	07	59	07.5	Z		
9.	iP	08	39	13.4	Z	0.9	0.10
10.	iP	13	33	04.0	Z		
11.	eX	13	37	00.0	N		
	LR		38	51.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
20 APR.					
12.	eX	14 06 56.0	Z'		
	LR	12 38.0	Z'		
13.	eP	14 36 11.6	Z		
	eS	40 14.0	N'		
	LR	42 05.0	Z'		
14.	(LR)	15 54 05.0	Z'		
15.	iP	16 31 44.0	Z'		
	e(PP)	32 31.0	Z'		
	eS	36 20.0	E		
	LR	38 04.0	Z'		
16.	eP	16 52 53.1	Z	1.0	0.09
17.	iP	19 57 16.5	Z		
18.	eX	20 39 44.0	Z'		
19.	eX	23 03 31.0	Z'		
20.	iP	23 43 54.3	Z		
	iS	44 31.0	E		
21 APR.					
1.	iP	00 00 16.5	Z		
	iS	00 50.0	E		
2.	iP	04 06 39.0	Z	1.0	0.08
3.	iP	06 55 57.0	Z		
	iS	56 10.0	E		
4.	iP	08 14 42.0	Z	1.0	0.11
5.	iP	09 36 54.8	Z	0.8	0.06
6.	iP	15 48 01.0	Z	1.0	0.20
7.	eP	15 51 00.0	Z'		
	eS	57 14.0	E'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
21 APR.							
8.	iP	16	39	40.0	Z	0.8	0.29
	eS		41	45.0	E		
9.	iP	17	23	34.5	Z		
	i(S)		23	59.5	E		
10.	e(P)	17	42	25.0	Z'		
	eS		48	39.0	E'		
11.	iP	19	45	22.0	NEZ,N' E' Z'		
	iS		45	25.5	E'		
12.	iP	22	34	01.0	Z		
13.	iP	23	50	42.0	Z		
22 APR.							
1.	iX	01	44	18.8	N		
2.	iS	02	53	14.5	E		
3.	eP	03	26	25.0	Z'		
	eX		30	34.0	Z'		
	(LR)		56	11.0	Z'		
4.	i(S)	06	13	41.7	E		
5.	iP	06	52	29.5	Z	0.7	0.03
6.	iP	08	33	48.3	Z	0.9	0.03
	i(S)		34	15.7	N		
7.	eX	08	34	35.0	Z'		
8.	LR	12	10	10.0	Z'		
9.	eX	13	06	24.0	Z'		
	LR		12	42.0	Z'		
10.	iS	15	21	02.5	NE		
11.	iP	17	05	20.5	Z	1.0	0.08

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
22 APR.					
12.	iP	23 36 58.6	Z,Z'	0.8	0.06
	e(S)	48 34.0	N'		
	LR	56 41.0	Z'		
23 APR.					
1.	iP	00 13 33.0	Z'	1.0	0.28
	iX	13 41.0	N		
2.	iX	00 38 04.0	Z'		
	(LR)	39 44.0	Z'		
3.	i(P)	00 39 51.5	Z		
4.	iP	01 29 21.0	Z	0.9	0.22
	iS	30 14.7	E		
5.	i(P)	03 09 18.8	Z	1.0	0.05
6.	e(P)	03 19 48.0	Z		
7.	eP	03 24 26.7	Z	1.0	0.08
8.	iP	03 26 02.5	Z	0.8	0.04
	i(S)	26 11.8	E		
9.	eP	03 53 03.5	Z	1.2	0.07
	e(S)	56 16.0	E'		
	LR	57 23.0	Z'		
10.	eP	05 36 14.5	Z	1.0	0.08
	e(S)	38 44.0	E'		
	LR	39 38.0	Z'		
11.	iP	06 14 59.2	Z	0.5	0.02
	iS	15 22.3	N		
12.	iS	06 52 04.0	NE		
13.	eP	07 01 25.5	Z	1.0	0.04
	ePP	04 19.0	Z'		
	ePPP	06 31.0	Z'		
	eS	11 14.0	E'		
	e(PPS)	12 44.0	E'		
	eSS	16 18.0	N'		
	LQ	21 45.0	E'		
	LR	26 18.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
23 APR.					
14.	iP	09 00 39.0	Z	1.1	0.49
	iS	03 59.0	E'		
	LR	05 17.0	Z'		
15.	iP	09 19 25.0	Z	1.2	0.35
16.	iP	09 34 38.0	Z	1.8	0.67
17.	iP	09 52 59.0	Z	0.8	0.19
18.	iP	11 10 46.0	Z	1.0	0.07
19.	e(P)	11 45 50.0	Z		
20.	eP	11 56 08.5	Z	0.9	0.04
21.	iP	13 47 39.0	Z	1.0	0.04
	iS	47 57.0	N		
22.	eP	14 23 40.0	Z,Z'	0.8	0.06
	eS	26 56.0	E'		
	LR	28 23.0	Z'		
23.	iP	17 20 42.8	Z	0.5	0.05
	i(S)	20 54.0	E		
24.	eX	17 23 12.0	Z'		
25.	eX	18 24 08.0	E'		
24 APR.					
1.	iP	00 09 01.2	Z	1.3	0.12
	iS	09 09.8	N		
2.	iP	06 52 15.5	Z		
	iS	52 39.0	E		
3.	iP	07 12 34.0	Z'		
4.	iP	09 49 14.0	Z		
5.	iP	13 20 45.2	Z		
6.	iP	13 58 36.0	Z		
	iS	58 50.3	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
24 APR.					
7.	iP	20 46 38.5	Z		
	eX	49 39.0	N'		
	LR	50 50.0	Z'		
25 APR.					
1.	iP	02 49 12.5	Z		
2.	iP	03 06 52.2	Z		
3.	iP	07 35 20.5	Z		
	iS	35 30.5	NE		
4.	iP	08 05 09.5	Z		
	LR	07 04.0	Z'		
5.	iP	10 52 17.0	Z,Z'	0.9	0.13
6.	iP	12 05 35.0	Z		
	LR	09 18.0	Z		
7.	eX	23 53 16.0	Z'		
26 APR.					
1.	iP	06 05 22.5	Z		
	iS	05 35.0	N		
2.	eX	10 55 21.0	Z'		
	LR	57 33.0	Z'		
3.	iP	20 41 36.3	Z		
	eX	43 55.0	Z'		
4.	iP	23 46 56.6	Z		
	iS	48 11.5	E		
27 APR.					
1.	iP	00 45 01.5	Z		
	iS	45 16.5	E		
2.	i(P)	01 29 52.3	Z		
	iS	30 08.5	E		
3.	iP	04 05 08.0	Z	1.0	0.12
4.	iP	08 40 23.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec))	A_Z(micron)
27 APR.					
5.	iP	11 04 11.2	Z		
6.	eX	19 02 21.0	N		
	LR	09 05.0	Z'		
7.	i(P)	20 00 08.5	Z		
	eS	09 23.0	N' E'		
	(LR)	24 17.0	Z'		
8.	eP	21 43 44.0	Z	1.0	0.05
9.	eX	23 07 33.0	Z'		
28 APR.					
1.	iS	06 52 50.2	E		
2.	iP	07 25 08.0	Z, Z'	0.6	0.54
	iS	25 28.0	N		
3.	i(P)	07 29 17.5	Z		
	iS	29 22.5	N		
4.	eX	13 06 26.0	Z'		
5.	i(S)	15 32 20.7	N		
6.	eP	17 07 56.0	Z'	1.0	0.08
	ePP	10 17.0	Z'		
	eS	17 27.0	N'		
	eScS	18 17.0	E'		
	eSS	22 37.0	N'		
	eSSS	26 08.0	N'		
	(LQ)	27 48.0	N'		
	LR	31 46.0	Z'		
7.	iP	17 25 07.0	Z	1.0	0.16
29 APR.					
1.	iP	02 57 29.8	Z		
2.	iX	04 06 45.0	E		
3.	iX	08 54 48.8	E		
4.	i(P)	20 31 00.0	E		
	iS	31 31.2	N		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
30 APR.							
1.	iX	04	07	03.0	NE		
2.	eP	06	34	34.5	Z		
3.	eP	13	49	53.5	Z		
	(LR)		56	29.0	Z'		
4.	iP	14	05	42.0	Z		
5.	iP	16	45	58.5	N		
6.	i(P)	19	48	07.5	Z		
	eS		48	28.0	E'		
7.	LR	20	29	53.0	Z'		

Date		Phase	Time (GMT)			Comp.	T (sec)	A (micron)
1 MAY	1.	iP	01	18	30.0	Z	0.5	0.02
	2.	i(S)	03	36	28.5	E		
	3.	iP	04	31	08.5	Z	0.8	0.03
	4.	iP	06	13	11.7	Z	0.8	0.04
		iS		14	08.0	E		
	5.	iX	08	50	03.5	E		
	6.	i(P)	08	57	51.3	Z	0.6	0.02
		iS		58	11.5	E		
	7.	iP	09	01	07.0	Z	0.8	0.01
		iS		01	17.5	NE		
	8.	iX	10	03	23.3	Z		
	9.	iP	10	58	08.0	Z	1.8	0.79
		ePcP	11	00	10.0	Z'		
		eS		03	58.0	E'		
		(LQ)		07	09.0	N'		
		LR		08	38.0	Z'		
	10.	iP	12	10	41.5	Z,Z'	0.9	0.09
		eX		15	31.0	E'		
		(LR)		18	19.0	Z'		
	11.	eX	13	10	25.0	Z'		
	12.	eP	13	20	52.0	Z	1.3	0.05
		e(S)		25	45.0	E'		
		LR		28	37.0	Z'		
	13.	iP	16	35	06.2	NEZ	0.3	0.06
		iS		35	08.5	E		
	14.	eP	16	42	42.5	Z,Z'	1.2	0.09
		eX		47	19.0	Z'		
		(LQ)	17	09	15.0	E'		
		LR		15	31.0	Z'		
	15.	i(P)	17	20	48.0	Z		
		iS		21	49.3	N		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
1 MAY								
	16.	iP	17	24	28.0	Z	0.7	0.02
		iS		24	56.8	N		
	17.	iP	18	35	39.0	Z	0.8	0.07
		eS		40	23.0	N' E'		
	18.	eX	18	39	36.0	E		
	19.	iP	22	48	15.5	Z	0.9	0.03
2 MAY								
	1.	eP	09	59	49.5	Z'	0.8	0.11
		ePPP	10	02	02.0	Z'		
		eS		05	42.0	E'		
		LQ		08	18.0	N' E'		
		LR		10	38.0	Z'		
	2.	iP	11	03	43.0	Z	1.0	0.12
	3.	eP	16	45	06.0	Z,Z'	1.0	0.16
		e(S)		50	14.0	E'		
		(LR)		53	05.0	Z'		
	4.	iP	18	09	12.2	Z		
		iS		09	38.6	E		
	5.	iS	22	06	15.0	E		
	6.	i(P)	23	55	02.0	Z		
3 MAY								
	1.	iP	01	50	45.5	Z	0.4	0.02
		iS		50	49.6	NE		
	2.	iS	03	24	46.0	NE		
	3.	eX	04	57	46.8	Z		
	4.	i(P)	05	48	31.7	Z		
	5.	iP	08	54	23.0	Z	0.5	0.02
		iS		54	29.0	NE		
	6.	iP	11	48	27.3	Z	0.6	0.03
		i(S)		48	40.6	N		
	7.	iP	13	48	11.0	NEZ	0.8	0.57
		iS		48	46.5	N'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
3 MAY					
8.	iP	13 57 16.0	Z	0.3	0.03
	iS	57 20.6	NE		
9.	iP	14 53 28.8	Z	0.4	0.03
	iS	53 40.7	E		
10.	iP	15 06 03.5	Z	0.5	0.01
	iS	06 32.7	E		
11.	iX	16 28 53.8	N		
12.	iP	16 59 45.3	NZ	0.8	0.03
	iS	17 00 18.0	N		
13.	iP	18 48 20.0	Z	0.8	0.07
	eS	52 24.5	E'		
	LR	53 59.0	Z'		
4 MAY					
1.	iP	01 17 37.0	Z		
	iS	17 56.0	E		
2.	iP	05 11 24.0	Z		
	iS	11 31.0	NE		
3.	iP	07 57 36.0	Z	1.0	0.14
4.	i(P)	09 17 18.0	Z		
5.	i(P)	17 08 03.0	Z		
	eX	16 23.0	Z'		
6.	iP	18 14 59.0	Z		
	iS	15 07.0	NE		
7.	iP	22 31 26.5	Z		
	iS	31 38.5	NE		
5 MAY					
1.	eX	01 50 05.0	Z'		
2.	iP	02 17 49.5	Z	0.6	0.04
	e(S)	21 03.0	E'		

Date		Phase	Time (GMT)			Comp.	Tz(sec)	Az(micron)
5 MAY								
	3.	eP	06	38	24.0	Z	0.8	0.06
		eS		41	22.0	N'		
		LR		42	23.0	Z'		
	4.	iP	12	45	39.0	NZ	0.5	0.05
		iS		46	02.0	N		
	5.	iP	14	23	15.0	Z,N' Z'	0.8	0.34
		iS		25	12.0	E'		
		LR		25	19.0	Z'		
	6.	iP	15	33	48.5	Z	0.8	0.07
	7.	i(P)	16	09	30.0	N		
		iS		09	38.0	E		
	8.	iP	20	41	35.9	Z	0.9	0.13
		iS		43	03.7	E		
		LR		43	25.0	Z'		
	9.	e(P)	21	42	50.3	Z		
		e(S)		44	26.0	E		
6 MAY								
	1.	iP	00	30	50.5	Z		
		eS		34	51.0	N' E'		
		LR		36	45.0	Z'		
	2.	LR	03	22	49.0	Z'		
	3.	iP	03	54	42.5	Z		
		e(S)		56	34.0	NE		
		LR		58	05.0	Z'		
	4.	iP	06	43	11.0	Z		
		iS		43	46.5	N		
	5.	iP	07	04	50.3	Z	1.0	0.10
		eX		08	25.0	E'		
		LR		09	53.0	Z'		
	6.	iP	11	39	24.0	Z		
		iS		39	27.8	N		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
6 MAY								
	7.	i(P)	11	45	04.0	Z		
	8.	iP	16	12	57.5	Z		
		eS		16	46.0	N' E'		
	9.	iP	18	26	25.0	Z	0.8	0.05
		eX		29	00.0	N'		
	10.	iP	20	03	07.5	Z		
		iS		03	11.3	NE		
	11.	iP	20	05	12.2	Z	1.0	0.08
	12.	eX	22	49	44.0	Z		
7 MAY								
	1.	iP	06	36	55.0	Z		
		iS		37	03.8	E		
	2.	eP	09	52	03.0	Z'	1.0	0.15
		eS		55	11.0	E'		
		(LR)		56	38.0	Z'		
	3.	iP	13	20	40.5	Z		
	4.	eX	13	52	29.0	Z'		
	5.	iP	16	26	44.2	Z		
		eX		29	35.0	E'		
		LR		31	05.0	Z'		
	6.	iP	17	45	29.5	Z		
		iS		46	32.5	N		
	7.	i(P)	18	47	07.5	Z		
		iS		47	42.0	N		
	8.	eX	21	00	58.0	E'		
		LR		04	11.5	Z'		
	9.	eX	22	23	26.0	E'		
8 MAY								
	1.	eP	01	32	34.0	Z	0.7	0.03
		e(S)		32	48.9	E		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
8 MAY							
2.	eX	01	41	56.0	Z'		
	LR		46	16.0	Z'		
3.	iP	03	02	58.5	NEZ	0.6	0.04
	iS		03	20.3	NE		
4.	iS	03	15	10.8	NE		
5.	iP	08	09	35.4	Z	0.4	0.04
	iS		09	51.0	E		
6.	eX	08	45	25.0	E'		
	LR		50	30.0	Z'		
7.	iP	09	11	02.3	E		
	iS		11	12.0	E		
8.	iP	10	55	47.2	Z	0.7	0.06
9.	eP	12	31	18.0	Z'		
	eS		35	56.0	E'		
	LR		38	11.0	Z'		
10.	iS	15	56	26.0	E		
9 MAY							
1.	iP	00	55	26.5	Z	0.9	0.07
	ePP		58	46.5	Z'		
	eS	01	05	49.0	N'		
	ePPS		07	23.0	Z'		
	eSS		11	47.0	N'		
	(LQ)		18	17.0	E'		
	LR		22	56.0	Z'		
2.	eP	02	00	41.8	Z	0.9	0.05
3.	i(P)	04	03	07.0	Z		
4.	eX	05	34	09.0	Z'		
5.	eX	06	54	53.0	Z'		
6.	eX	08	21	29.0	Z'		
7.	iP	09	52	28.9	Z	0.5	0.18
	iS		52	31.5	NE		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
9 MAY							
8.	iP	10	09	42.7	Z	1.0	0.06
9.	iP	13	40	43.8	Z	0.6	0.05
10.	LR	15	48	33.0	Z'		
11.	iP	20	18	37.5	NZ	0.7	0.05
	iS		19	08.7	NE		
12.	e(P)	20	19	04.0	Z'		
	eX		26	55.0	E'		
	LR		39	33.0	Z'		
13.	LR	22	03	12.0	Z'		
14.	eX	23	41	56.0	Z'		
10 MAY							
1.	iP	00	51	09.8	Z		
	iS		51	21.2	NE		
2.	i(P)	01	30	39.0	Z		
	iS		30	53.0	E		
3.	iP	09	03	22.5	Z		
	iS		03	32.8	NE		
4.	iX	10	28	24.0	E		
5.	eX	11	46	50.0	Z'		
	LR		49	24.0	Z'		
6.	LR	20	55	49.0	Z'		
7.	eX	21	18	14.0	Z'		
	eX		20	56.0	N'		
	(LR)		26	36.0	Z'		
11 MAY							
1.	eX	01	53	18.0	E'		
2.	i(P)	02	02	49.0	Z		
3.	iX	02	11	16.8	E		
4.	eX	02	21	16.0	E'		

Date		Phase	Time (GMT)			Comp	T_Z(sec)	A_Z(micron)
11 MAY								
	5.	i(P)	09	42	35.0	Z		
	6.	iP	14	25	39.0	Z	0.8	0.14
		eP		25	39.0	N' E' Z'		
		ePP		27	22.0	Z'		
		eS		32	08.0	N' E'		
		LQ		35	29.5	N' E'		
		LR		40	33.0	Z'		
	7.	iP	14	34	43.0	Z	0.8	0.14
	8.	iP	15	25	17.0	Z		
		iS		25	38.0	NE		
	9.	iP	20	21	53.5	Z		
		iS		22	07.2	E		
	10.	iP	21	47	37.0	Z	0.9	0.30
		eP		47	37.0	N' E' Z'		
		ePP		49	20.0	Z'		
		eS		54	06.0	N' E'		
		LQ		58	12.0	N'		
		(LR)	22	01	25.0	Z'		
12 MAY								
	1.	iP	01	02	31.8	Z	0,5	0,02
		iS		03	31.5	N		
	2.	iP	02	56	18.5	Z	0.6	0.03
		iS		56	21.9	NE		
	3.	iP	03	34	41.0	Z	0.6	0.05
		iS		34	55.0	N		
	4.	iP	06	33	06.0	NZ	0.8	0.26
		iS		34	35.6	E		
		LR		35	10.0	Z'		
	5.	eX	12	09	28.0	Z'		
		eX		12	08.0	Z'		
	6.	e(P)	12	25	03.0	Z		
	7.	LR	12	34	49.0	Z'		
	8.	iX	22	36	54.6	E		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
13 MAY								
	1.	iP	05	31	54.0	Z	0.7	0.03
		i(S)		32	34.0	E'		
	2.	(LR)	05	32	10.0	Z'		
	3.	iP	05	37	04.8	Z	0.5	0.01
		iS		37	44.2	N		
	4.	iP	07	11	16.9	NZ	0.8	0.37
		iS		11	57.0	E'		
		(LR)		11	59.0	Z'		
	5.	iP	07	52	08.5	Z	0.9	0.04
		i(S)		53	40.5	E		
	6.	eX	07	54	21.0	Z'		
	7.	iP	10	23	43.0	Z	0.7	0.09
		iS		23	51.4	N		
	8.	eX	11	24	46.0	E'		
	9.	e(P)	17	56	50.0	Z		
		iS		57	09.0	N		
	10.	LR	19	41	48.0	Z'		
	11.	iX	21	06	10.0	Z		
	12.	iP	21	59	42.6	Z	0.5	0.02
		iS		59	46.9	NE		
	13.	iS	23	36	10.0	E		
14 MAY								
	1.	e(P)	02	06	29.3	Z		
	2.	iP	02	46	01.7	Z	0.5	0.09
		iS		46	13.4	N		
	3.	i(P)	03	40	18.5	Z		
	4.	iP	07	06	26.5	Z	0.7	0.03
		iS		06	56.7	E		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
14 MAY					
5.	iP	09 25 09.5	Z	0.8	0.06
	iS	26 39.3	NE		
	(LR)	26 58.0	Z'		
6.	iS	09 33 04.9	N		
7.	e(P)	09 48 43.0	Z	0.7	0.01
	iS	49 27.0	E		
8.	iP	13 40 15.5	Z	0.4	0.02
	iS	40 19.0	NE		
9.	iP	15 00 55.8	Z	0.8	0.05
	iS	01 48.2	NE		
10.	iP	17 05 10.0	EZ,Z'	0.9	0.07
	e(PPP)	06 27.0	Z'		
	eS	10 03.0	E'		
11.	eP	17 09 12.8	Z,Z'	1.0	0.07
	eS	14 08.0	N'		
12.	eX	19 01 25.5	Z		
13.	eP	20 47 26.0	Z	0.8	0.03
14.	eX	21 48 21.0	Z'		
15.	eX	21 59 47.0	Z'		
16.	e(P)	23 13 34.3	Z	1.0	0.03
15 MAY					
1.	e(P)	02 50 28.5	Z		
2.	iP	08 49 44.0	Z		
	iS	49 55.0	E		
3.	i(P)	12 34 13.5	Z		
4.	eP	14 56 06.0	Z,Z'	1.3	0.20
	ePP	58 16.0	Z'		
	eS	15 04 15.0	E'		
	LQ	10 32.0	E'		
	eX	10 52.0	Z'		
	LR	13 47.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
15 MAY								
	5.	iP	17	07	11.5	Z		
16 MAY								
	1.	iP	02	51	45.0	Z	1.0	0.72
		ePP		52	23.0	Z'		
		ePPP		52	44.0	Z'		
		eS		55	54.7	N'		
		iS		55	54.7	E		
		(LR)		57	07.0	Z'		
	2.	eX	03	02	25.0	N		
	3.	iP	06	40	49.5	Z	0.3	0.08
		iS		40	53.9	N		
	4.	eP	08	32	16.0	Z	0.8	0.02
		eX		38	30.0	N'		
	5.	iX	09	37	37.0	N		
	6.	eX	11	32	31.0	E'		
	7.	iP	13	10	28.8	Z	0.9	0.08
		e(S)		13	32.0	N'		
		LR		14	45.0	Z'		
	8.	i(P)	13	15	38.0	Z		
		iS		15	59.0	N		
	9.	iP	20	09	54.0	NEZ, N' Z'		
		iS		10	06.5	N' E'		
17 MAY								
	1.	i(P)	01	04	34.0	Z		
		eX		09	42.0	E'		
		(LR)		11	47.0	Z'		
	2.	iP	04	35	51.5	Z	1.0	0.28
	3.	iP	05	47	33.0	Z	1.0	0.22
	4.	LR	05	58	16.0	Z'		
	5.	LR	07	47	28.0	Z'		
	6.	iP	14	14	11.0	Z		
		iS		14	21.0	NE		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
17 MAY					
7.	iP	17 03 22.0	Z		
	iS	03 35.5	E		
8.	iP	18 11 20.5	Z		
9.	eX	18 38 11.0	Z'		
10.	iP	20 10 59.0	Z		
	iS	11 19.5	NE		
18 MAY					
1.	iP	01 43 43.0	Z	1.0	0.13
	iS	45 10.2	E		
2.	LR	08 25 39.0	Z'		
3.	eX	13 01 09.0	Z'		
4.	LR	17 31 21.0	Z'		
5.	i(P)	18 10 17.0	Z		
	iS	10 37.0	E		
6.	iP	19 18 38.5	Z		
	iS	19 20.5	E		
19 MAY					
1.	iS	03 29 11.5	N		
2.	iP	07 17 26.0	Z,Z'	0.9	0.19
	e(PP)	20 31.0	Z'		
	iS	26 23.0	N'E'		
	eSS	31 34.0	Z'		
	LQ	34 59.0	N'		
	LR	38 50.0	Z'		
3.	iX	07 51 05.5	Z		
4.	e(P)	09 59 31.0	Z		
	i(S)	10 00 11.8	N		
5.	iP	10 19 32.2	NEZ	0.4	0.13
	iS	19 50.5	N		
20 MAY					
1.	i(P)	02 56 27.7	Z		
	(LR)	58 50.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
20 MAY								
	2.	iP	09	20	08.0	Z'	1.0	0.44
		iS		24	44.0	E'		
		LQ		26	31.0	N'		
		LR		27	23.0	Z'		
	3.	iP	18	03	24.0	Z		
		i(S)		04	14.0	E'		
	4.	iP	18	14	38.0	Z		
21 MAY								
	1.	iP	02	57	14.5	NEZ,N' E' Z'		
		iS		57	28.0	E'		
	2.	iP	07	28	32.5	Z		
	3.	iP	07	55	06.0	Z	1.0	0.14
		iS		55	52.5	N		
		(LR)		56	10.0	Z'		
	4.	i(P)	08	02	56.0	Z		
	5.	i(P)	14	54	21.8	Z		
	6.	iP	17	46	29.9	Z	1.0	0.12
	7.	iP	18	44	00.0	Z	1.0	0.16
		(LR)		46	47.0	Z'		
	8.	iP	22	48	54.0	Z	1.0	0.11
22 MAY								
	1.	iP	00	04	02.2	Z		
	2.	iP	02	59	52.0	Z	1.2	0.86
		eS	03	06	16.0	N' E'		
		eX		09	38.0	Z'		
		LQ		09	38.0	E'		
		LR		12	12.0	Z'		
	3.	iP	03	33	02.6	Z	1.0	0.46
	4.	iP	05	38	33.5	Z		
		iS		38	37.5	NE		
	5.	LR	08	37	22.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
22 MAY								
	6.	i(P)	15	11	03.5	Z		
	7.	iP	16	06	18.0	Z	0.6	0.19
		iS		06	25.2	NE		
	8.	iP	18	43	23.5	Z		
		iS		43	46.8	E		
23 MAY								
	1.	iS	00	35	44.8	NE		
	2.	i(P)	00	50	20.5	Z	0.9	0.02
	3.	iP	01	31	50.5	EZ	0.5	0.23
		iS		31	52.0	NE		
	4.	iS	01	42	28.7	N		
	5.	iS	02	07	41.0	N		
	6.	eX	03	49	58.5	Z		
		eX		51	51.0	Z'		
	7.	eX	06	27	58.0	Z'		
		LR		31	53.0	Z'		
	8.	e(P)	07	10	42.0	Z		
		eS		14	45.0	N'		
		LR		16	30.0	Z'		
	9.	iP	08	44	42.0	N' E' Z'	1.1	0.22
		iS		48	47.5	N'		
		IQ		49	33.0	N'		
		LR		50	41.0	Z'		
	10.	iP	10	50	48.0	EZ	0.7	0.17
		iS		50	49.8	NE		
	11.	iP	11	01	01.5	Z	0.7	0.03
	12.	LR	12	45	20.0	Z'		
	13.	iP	14	27	55.0	E' Z'	1.1	0.14
		iS		32	32.0	E'		
		LR		34	41.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
23 MAY					
14.	iP	17 26 02.1	Z	0.5	0.05
	iS	26 36.5	NE		
15.	iP	20 50 43.5	Z	1.0	0.11
	iS	54 53.0	E'		
	LR	56 19.0	Z'		
16.	i(P)	22 20 38.0	Z		
	iS	21 12.0	E		
24 MAY					
1.	iP	06 03 09.0	Z	0.5	0.41
	iS	03 18.5	E		
2.	i(P)	06 26 46.0	Z		
	iS	27 11.5	N		
3.	eX	08 19 50.0	Z'		
4.	iP	09 46 11.3	NEZ	0.5	0.22
	iS	46 17.5	E		
5.	eX	09 46 25.0	Z'		
6.	i(S)	19 15 26.0	E		
7.	LR	21 14 31.0	Z'		
25 MAY					
1.	iP	07 13 35.0	Z		
	iS	13 47.0	N		
2.	iP	07 24 50.5	Z		
	iS	25 04.0	NE		
3.	iX	08 31 56.5	E		
4.	iP	08 34 20.0	Z		
	eS	38 34.0	E'		
5.	i(P)	12 29 21.0	N		
6.	iP	12 32 26.0	Z'		
7.	iP	22 10 50.0	Z		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
26 MAY								
	1.	iP	04	01	35.5	Z		
		iS		01	39.0	NE		
	2.	iX	21	19	21.0	Z		
	3.	LR	23	06	26.0	Z'		
27 MAY								
	1.	iP	10	13	27.5	Z		
28 MAY								
	1.	iP	00	05	53.0	Z	1.0	1.68
		iS		07	30.0	E'		
		LR		08	01.0	Z'		
	2.	eX	05	32	27.0	N'		
		(LR)		35	16.0	Z'		
	3.	eP	05	55	20.5	Z		
		eX		57	25.0	E'		
	4.	LR	07	28	53.0	E'		
	5.	iP	14	05	08.0	Z		
		iS		05	39.5	NE		
	6.	iP	15	01	29.2	Z		
		iS		01	33.8	N		
	7.	iP	15	03	05.0	Z		
		iS		03	18.5	N		
	8.	iS	15	44	16.5	E		
	9.	iP	16	53	45.5	Z		
		iS		54	02.0	E		
	10.	i(P)	16	58	16.5	Z		
		iS		58	37.2	E		
	11.	iP	18	30	35.5	Z		
	12.	iP	22	30	58.7	Z		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
29 MAY								
	1.	iP	13	54	56.2	Z	1.0	0.36
	2.	iP	18	01	15.0	Z		
		iS		01	35.5	NEZ		
	3.	iP	19	32	54.5	Z		
		iS		32	58.0	NE		
	4.	iP	23	54	47.5	Z		
30 MAY								
	1.	iP	03	29	24.0	Z	1.1	0.24
	2.	eX	04	28	51.0	Z'		
	3.	iP	15	26	12.5	Z	0.8	0.02
		i(S)		27	39.8	E		
	4.	eX	16	44	47.0	E'		
	5.	e(P)	19	04	28.3	Z		
		iS		04	38.0	N		
	6.	iS	21	43	07.0	NE		
	7.	e(P)	23	27	45.0	Z		
		iS		27	58.9	E		
	8.	i(P)	23	56	42.0	Z		
31 MAY								
	1.	iP	01	10	08.0	NEZ	0.3	0.18
		iS		10	14.5	E		
	2.	iP	02	49	18.4	Z	0.5	0.04
		iS		49	51.0	N		
	3.	iP	02	52	10.9	Z	0.3	0.07
		e(S)		52	22.5	N		
	4.	iP	04	28	26.2	NEZ	0.5	0.21
		iS		28	40.5	N,E'		
	5.	iP	07	57	20.0	NZ		
		iS		57	35.0	E'		
	6.	iX	12	48	41.3	N		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
31 MAY					
7.	iP	16 50 06.0	E,Z'		
	iS	50 17.8	N,N'		
8.	i(S)	17 16 58.0	N		
9.	iX	17 26 31.4	N		
10.	eX	20 26 55.0	Z'		
11.	iS	21 47 43.9	NE		

Date	Phase	Time (G.M.T.)			Comp.	T_g(sec)	A_Z(micron)
1 JUNE							
1.	iX	02	16	20.0	N		
2.	iS	02	42	22.5	NE		
3.	iP	03	11	00.5	Z	0.5	0.07
4.	eX	03	57	40.0	Z'		
5.	eX	04	04	32.0	Z'		
	LR		06	29.0	Z'		
6.	LR	05	45	32.0	Z'		
7.	iP	06	30	03.5	Z	0.3	0.03
	iS		30	27.0	N		
8.	iP	10	24	08.3	Z,Z'	1.3	0.33
	eS		32	49.0	N'		
	eSS		35	49.0	Z'		
	(LQ)		37	38.0	E'		
	LR		41	35.0	Z'		
9.	iP	11	59	12.0	Z,Z'	0.9	0.03
	eS	12	08	47.0	E'		
	eScS		09	50.0	N'		
	LR		23	33.0	Z'		
10.	iP	12	47	14.0	Z	0.5	0.11
	iS		47	24.5	E		
11.	i(P)	13	09	01.0	N		
	iS		09	27.0	E		
12.	iP	13	33	17.0	Z	0.9	0.07
13.	iP	19	14	49.8	EZ	0.5	0.03
	iS		15	04.5	NE		
2 JUNE							
1.	eP	00	37	27.0	Z,Z'		
	eS		45	16.0	E' E'		
	LQ		51	50.0	N'		
	LR		53	52.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
2 JUNE							
2.	eiP	07	11	50.2	Z, Z'	1.5	0.81
	iX		12	28.5	Z'		
	eS		14	56.0	N' E' Z'		
3.	iX	11	06	05.4	E		
4.	iP	16	45	15.5	Z		
	iS		45	31.5	N		
5.	eP	17	05	31.5	Z, Z'		
	eS		15	13.0	E'		
	LR		29	13.0	Z'		
6.	iP	19	49	56.5	Z		
	eX		51	14.0	E'		
7.	iP	21	14	22.0	Z		
	i(S)		14	48.0	Z		
8.	iP	21	18	20.0	Z		
	iS		18	27.0	NE		
9.	iP	22	24	28.5	Z		
	iS		24	36.5	NE		
3 JUNE							
1.	iP	00	27	35.5	Z		
	iS		27	45.5	NE		
2.	eX	04	19	43.0	Z'		
3.	eiP	08	43	25.0	Z	0.7	0.07
	i(S)		44	45.8	E		
4.	iP	09	03	51.0	NEZ	0.5	0.32
	iS		03	59.0	N		
5.	iS	09	57	30.5	NE		
6.	i(P)	10	12	04.7	Z		
	iS		12	24.0	N		
7.	i(P)	12	32	32.7	Z		
	iS		32	40.0	N		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
3 JUNE					
9.	iP	13 59 17.8	Z	0.8	0.04
9.	i(S)	14 49 31.0	E		
10.	iP	17 44 45.5	EZ	0.5	0.13
	iS	44 53.5	NE		
11.	eX	18 51 30.0	Z'		
	LR	54 16.0	Z'		
12.	iP	19 12 29.5	EZ	0.6	0.06
	iS	12 37.5	NE		
13.	i(P)	19 55 31.2	Z		
	iS	55 53.5	E		
14.	iP	21 43 30.5	Z	0.5	0.01
	iS	43 38.5	N		
4 JUNE					
1.	iS	00 18 34.8	N		
2.	iP	01 38 14.8	Z	0.5	0.01
	i(S)	39 30.5	E		
	LR	39 54.0	Z'		
3.	i(P)	04 14 49.5	Z		
	iS	15 19.8	E		
4.	iP	05 20 17.5	Z	0.8	0.11
5.	eP	06 05 38.5	Z	0.5	0.01
	iS	05 50.0	N		
6.	iP	08 44 14.0	Z, Z'	0.9	0.25
	e(S)	45 32.0	N'		
7.	iP	09 35 31.5	NZ	0.7	0.05
	iS	35 58.9	N, N' E'		
8.	eX	10 47 18.0	Z'		
9.	eX	10 53 19.0	N'		
10.	eX	10 57 11.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
4 JUNE							
11.	eX	13	00	35.0	Z'		
	LR		01	34.0	Z'		
12.	LR	14	36	11.0	Z'		
13.	e(P)	15	34	18.5	Z		
14.	eX	15	36	07.0	Z'		
	LR		37	58.0	Z'		
15.	iP	15	43	27.0	Z	1.0	0.03
16.	eX	15	44	20.0	N'		
	LR		47	09.0	Z'		
17.	LR	16	03	40.0	Z'		
18.	eX	17	31	17.0	Z'		
19.	eX	17	53	19.0	Z'		
20.	LR	18	06	59.0	Z'		
21.	iS	18	17	47.8	N		
22.	iP	18	18	53.9	Z	0.5	0.04
	iS		19	02.2	NE		
23.	i(P)	18	28	47.0	Z		
	iS		29	05.8	E		
24.	LR	18	30	42.0	Z'		
25.	i(P)	23	38	37.5	Z		
	iS		38	48.0	N		
26.	iP	23	55	52.0	Z, Z'	1.0	0.23
	ePP		57	37.0	Z'		
5 JUNE	iS	00	01	54.0	N'		
	eX		02	19.0	N'		
5 JUNE							
1.	iP	01	24	12.0	NEZ, E' Z'	1.0	0.72
	iS		24	33.0	E' Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
5 JUNE							
2.	iP	01	40	51.5	NZ		
	iS		41	09.5	NS		
3.	iP	03	31	11.5	Z	0.5	0.02
	iS		31	21.0	NS		
4.	i(P)	04	25	32.7	Z		
	iS		25	35.5	NS		
5.	iP	04	51	55.0	Z	0.7	0.05
	iS		53	36.3	E, Z'		
	LR		53	53.0	Z'		
6.	iP	11	25	20.3	Z	0.5	0.04
7.	eX	11	28	36.0	Z'		
8.	iP	12	24	34.0	Z	0.8	0.08
9.	eX	12	26	31.0	Z'		
	(LR)		27	24.0	Z'		
10.	i(P)	14	06	29.0	Z		
11.	eX	14	07	04.0	Z'		
	eX		09	20.0	Z'		
12.	eX	16	22	18.0	E'		
13.	iP	16	27	25.8	Z	0.4	0.02
	iS		27	32.8	E		
14.	iP	17	23	48.2	Z	0.5	0.25
	iS		24	08.5	E		
15.	i(P)	17	46	57.0	Z		
16.	eX	17	49	13.0	Z'		
	LR		50	07.0	Z'		
17.	i(S)	18	03	00.8	N		
18.	eP	19	23	01.5	Z	0.3	0.03
	iS		23	11.1	E		
19.	iP	21	00	41.8	Z	0.7	0.01

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
5 JUNE					
20.	eX	21 02 54.0	Z'		
	eX	03 06.0	E'		
6 JUNE					
1.	iP	01 20 49.0	NEZ	0.8	0.11
	iS	21 03.5	NE		
2.	eP	01 55 23.0	Z, Z'	1.0	0.22
	ePcP	56 34.0	Z'		
	eS	02 03 14.0	N' E'		
	e(SeS)	04 35.0	N'		
	eSS	07 16.0	N'		
	LQ	09 37.0	N'		
	LR	12 34.0	Z'		
3.	iP	02 13 12.8	NEZ	0.5	0.06
	iS	13 26.5	NE		
4.	iP	03 34 48.0	Z		
5.	iX	06 13 09.0	E		
6.	iP	07 54 35.3	NEZ, N' E' Z'	1.0	1.28
	iPcP	55 22.0	Z'		
	ePP	56 39.0	Z'		
	e(PPP)	57 22.0	Z'		
	iS	08 01 18.0	N'		
	eSS	05 16.0	Z'		
	LR	07 50.0	Z'		
7.	iP	09 42 10.0	NEZ		
	iS	42 16.0	NE		
8.	iP	18 33 08.5	Z		
	iS	33 22.0	N'		
9.	eX	19 53 17.0	N'		
	LR	54 36.0	Z'		
10.	iP	20 18 19.5	Z		
	eS	20 42.0	E'		
	(LR)	21 38.0	Z'		
11.	iP	20 49 15.0	NEZ	0.9	0.55
	iS	51 40.0	E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
6 JUNE							
12.	iP	22	16	39.5	Z		
13.	iP	23	04	35.0	Z		
14.	iP	23	09	39.0	Z		
	e(S)		12	00.0	E'		
15.	iP	23	33	12.0	Z		
16.	iP	23	38	40.0	Z		
17.	iP	23	56	42.0	Z		
7 JUNE							
1.	iP	00	01	25.0	Z	1.0	0.16
	eS		03	48.0	E'		
2.	iP	09	21	08.5	Z		
3.	iP	11	46	47.5	NEZ	1.0	0.14
	eP		46	47.5	N' Z'		
	eX		48	48.0	E'		
4.	iP	13	30	38.0	Z		
	LR		34	00.0	Z'		
5.	iP	14	02	14.5	NEZ		
	iS		02	24.0	NE		
6.	iP	14	03	57.0	NEZ		
	eP		03	57.0	N' E' Z'		
7.	iP	15	50	19.5	NEZ	1.0	0.14
8.	iP	17	43	51.5	Z		
9.	iP	19	15	59.7	Z	1.0	0.16
10.	i(P)	22	24	37.0	Z		
11.	eX	22	29	22.0	N'		
12.	iP	23	44	45.0	Z		
8 JUNE							
1.	eX	02	41	28.0	Z'		
	eX		43	39.0	E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
8 JUNE							
2.	iP	03	35	40.7	Z	0.6	0.05
	iS		35	58.0	N		
3.	iP	03	50	24.5	Z	1.3	0.13
4.	iP	06	59	52.3	Z	1.0	0.07
	eX	07	04	03.0	N'		
5.	i(P)	07	58	44.5	Z		
	iS		58	47.0	NE		
6.	iP	10	47	41.0	Z'	1.0	0.07
	i(S)		49	12.0	E'		
	LR		49	38.0	Z'		
7.	iP	13	59	34.0	NEZ,Z'	0.6	0.74
8.	iS	16	17	50.0	N		
9.	iP	19	22	35.5	Z	0.5	0.21
	iS		22	40.5	N'		
10.	iP	19	32	56.5	Z	0.5	0.01
	iS		33	05.0	NE		
11.	iP	20	05	42.8	Z,Z'	1.0	0.05
	eS		13	17.0	N' E'		
	LR		19	32.0	Z'		
12.	eP	20	55	04.5	Z	0.6	0.03
	eX		57	47.0	N'		
13.	iP	21	02	13.0	Z	0.5	0.01
14.	eX	21	04	26.0	N'		
15.	iP	21	45	32.0	Z	0.5	0.02
16.	iP	22	03	25.5	Z	0.7	0.05
	eX		05	50.0	E'		
	eX		06	48.0	Z'		
17.	iS	23	42	56.5	NE		
9 JUNE							
1.	iS	00	11	59.5	N		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
9 JUNE							
2.	iP	00	17	58.5	Z	0.7	0.01
	eS		22	49.0	E'		
	eX		23	50.0	N'		
3.	iP	00	47	47.0	Z		
	iS		47	55.0	NE		
4.	iP	01	06	56.5	Z		
5.	iP	01	20	11.5	Z		
6.	eP	01	34	29.0	Z		
7.	iP	01	57	57.5	Z		
	iS		58	06.0	NE		
8.	iP	02	04	21.0	Z	1.0	0.10
9.	i(P)	03	19	31.0	Z		
	iS		19	41.8	NE		
10.	iP	03	32	42.0	Z		
	iS		32	52.0	NE		
11.	iP	04	14	49.0	Z		
12.	iP	04	36	11.2	Z		
	eX		38	36.0	Z'		
13.	iP	05	13	41.0	Z		
	(LR)		17	50.0	Z'		
14.	iP	05	42.	46.2	Z		
	LR		45	28.0	Z'		
15.	i(P)	07	18	17.5	Z		
	LR		19	08.0	Z'		
16.	LR	07	29	59.0	Z'		
17.	iP	08	10	11.0	NEZ		
	iS		10	20.0	N' E'		
18.	eX	08	57	32.0	Z'		
19.	iP	11	05	22.5	Z		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
9 JUNE							
20.	eP	11	26	27.0	Z'		
	eS		30	26.0	N'		
	(LR)		32	23.0	Z'		
21.	iP	15	35	57.0	Z		
22.	iP	15	46	19.0	NEZ, Z'	1.0	0.48
	eS		51	49.0	N'		
23.	eP	22	21	35.0	Z		
	eS		25	54.0	E,N'		
24.	iP	22	35	12.0	Z		
10 JUNE							
1.	iP	01	31	51.0	Z	1.0	0.11
2.	i(P)	03	00	57.5	Z		
3.	e(P)	04	35	05.0	Z		
4.	eX	04	48	38.0	Z'		
5.	iP	06	05	19.0	Z	0.6	0.05
	iS		05	38.0	E		
6.	iP	06	16	50.0	Z		
7.	eX	06	20	46.0	Z'		
8.	e(P)	07	10	35.0	Z'		
9.	eX	09	29	28.0	Z'		
10.	eX	09	51	34.0	Z'		
11.	iP	12	45	00.0	Z		
	iS		45	08.0	NE		
12.	iP	14	00	22.0	Z	[illegible]	0.09
13.	eX	15	31	46.0	Z'		
14.	iP	17	52	58.0	Z		
	iS		53	16.5	NE		
15.	iP	18	24	21.0	N[illegible]		

Date	Phase	Time (G.M.T)	Comp.	T_z(sec)	A_z(micron)
10 JUNE					
16.	iP	22 46 27.5	Z		
17.	eX	22 56 19.0	Z		
18.	iP	23 49 59.0	Z		
11 JUNE					
1.	iP	02 49 27.0	Z		
2.	iX	03 00 45.0	NE		
3.	iP	03 02 52.0	Z	1.0	0.14
	iX	03 57.5	Z		
	iS	04 12.8	E		
4.	iP	03 42 34.0	Z		
5.	iP	05 13 28.0	Z	1.0	0.09
6.	eX	05 26 32.0	Z		
7.	iS	10 51 00.0	NE		
8.	iP	10 51 14.0	Z	1.0	0.20
	eP	51 14.0	Z'		
	e(S)	54 36.0	E'		
9.	iP	18 22 57.0	Z		
	iS	23 10.5	E		
10.	eX	18 31 50.0	Z		
11.	iP	19 32 54.0	Z		
	iS	33 09.0	E		
12 JUNE					
1.	iP	03 43 10.7	Z	0.9	0.05
2.	eX	05 55 10.0	Z'		
3.	eX	07 30 54.0	N'		
4.	iP	07 47 27.5	NZ	0.5	0.06
	iS	47 29.5	NEZ		
5.	iP	08 36 56.8	NEZ	0.4	0.06
	iS	37 19.0	N		
6.	eX	10 02 58.0	N'		
	eX	03 45.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
12 JUNE							
7.	i(P)	12	11	56.3	Z	0.7	0.03
	iS		13	18.5	E		
8.	iS	13	28	48.5	NE		
9.	iP	16	54	05.8	Z	0.9	0.02
	iS		54	26.5	E		
10.	i(P)	18	51	04.2	Z		
	iS		51	08.0	NE		
11.	iP	20	15	29.5	Z	0.8	0.03
	i(S)		15	41.0	E		
12.	iP	23	24	42.0	Z		
	iS		24	50.0	NE		
13.	iP	23	26	08.2	Z	0.5	0.02
	iS		26	16.0	NE		
13 JUNE							
1.	eX	01	43	49.0	Z'		
	LR		45	19.0	Z'		
2.	iP	03	46	57.7	Z	0.3	0.05
	i(S)		47	18.7	E		
3.	eP	07	43	48.0	Z'		
	ePcP		44	25.0	Z'		
	ePP		46	24.5	Z'		
	ePPP		47	40.0	Z'		
	iS		52	28.0	N' E'		
	eSS		56	26.0	N'		
	LQ		59	56.0	E'		
	LR	08	02	58.0	Z'		
4.	iS	08	52	57.5	E		
5.	i(P)	10	32	58.0	Z	0.3	0.05
	iS		33	16.0	N		
6.	i(P)	12	11	06.3	Z		
	iS		11	32.0	E		
7.	eX	12	22	15.0	N'		
8.	LR	14	50	56.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
13 JUNE							
9.	iP	16	39	03.0	NEZ	0.3	0.01
	iS		39	15.0	E		
10.	iP	18	17	37.6	NEZ	0.9	0.89
	isP		18	20.5	Z		
	iPP		19	36.0	Z'		
	iPPP		20	56.0	Z'		
	eScP		22	18.0	Z'		
	iS		24	55.5	N'		
	iSS		28	39.0	E'		
	G		30	02.0	E'		
	iSSS		31	18.0	Z'		
11.	iP	23	44	03.0	Z	0.5	0.02
	iS		44	12.9	NE		
14 JUNE							
1.	eX	13	25	44.0	Z'		
2.	iX	14	45	50.6	E		
3.	iP	16	43	59.0	Z,Z'		
	iS		47	17.0	N		
4.	iP	21	08	10.0	Z		
	eP		08	10.0	Z'		
	eS		10	04.0	N'		
5.	iP	22	28	46.0	Z		
	iS		28	55.8	NE		
15 JUNE							
1.	iP	01	03	22.0	NZ,N' E' Z'		
2.	iP	01	40	51.0	NEZ	0.8	0.34
3.	i(P)	01	41	34.2	Z		
4.	iP	01	53	45.0	Z		
5.	i(P)	02	06	11.5	Z		
6.	i(P)	02	12	15.6	Z		
7.	iP	02	14	15.5	Z		
8.	iP	02	22	05.0	Z		
9.	iP	02	24	28.5	Z		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
15 JUNE							
10.	iP	02	26	40.0	Z		
11.	iP	02	46	06.0	Z		
12.	iP	03	12	08.5	Z		
13.	iP	03	40	50.0	Z		
14.	iP	03	49	57.0	Z		
15.	iP	03	52	38.0	Z		
16.	iP	04	13	17.5	Z		
17.	eP	04	35	31.0	Z		
18.	iP	05	01	40.0	Z		
19.	iP	05	14	40.0	Z		
	iS		14	47.8	NE		
20.	iP	05	29	50.0	Z		
21.	iP	05	33	41.0	Z		
	iS		33	44.0	NEZ		
22.	eP	06	22	27.0	Z		
	iX		22	34.0	Z		
	e3		29	22.0	N'		
	e(3e3)		32	22.0	N'		
23.	iP	06	32	39.0	Z		
	iS		32	41.5	NEZ		
24.	eP	06	48	25.5	Z		
25.	i(P)	07	39	35.5	Z		
26.	iP	14	31	59.0	Z		
	iS		32	04.0	NE		
27.	iP	14	32	49.0	Z		
	iS		32	54.0	NE		
28.	iS	14	35	48.0	NE		
29.	iP	14	56	40.0	Z		
	iS		56	49.5	NE		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
15 JUNE							
30.	e(P)	16	32	55.0	N'		
	eS		36	41.0	N'		
31.	iP	16	45	03.0	Z	1.5	0.48
	eS		52	00.0	N'		
	eX		55	46.0	N'		
32.	iP	18	57	08.0	Z		
33.	i(P)	20	07	39.0	Z		
34.	iP	20	15	39.8	Z		
	iS		16	14.5	NE		
35.	eX	21	06	06.0	N'		
36.	eX	23	00	28.0	N'		
	eX		06	12.0	N'		
16 JUNE							
1.	iP	00	12	27.0	Z		
	i(S)		12	32.5	E		
2.	iP	04	42	00.5	Z	0.8	0.01
	iS		42	13.9	E		
3.	i(P)	05	11	40.0	Z		
	i(S)		12	29.0	N		
4.	iS	11	24	33.5	NE		
5.	iP	14	40	09.3	Z	0.9	0.11
	eS		47	00.0	E'		
	LQ		50	45.0	N'		
	(LR)		54	07.0	Z'		
6.	eX	17	00	38.0	Z'		
7.	LR	19	22	08.0	Z'		
8.	i(P)	19	23	27.5	Z	0.7	0.02
9.	eX	19	25	56.0	E'		
10.	iX	20	03	08.5	Z		
11.	LR	23	00	32.0	Z'		
17 JUNE							
1.	iP	00	52	39.0	Z		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
17 JUNE							
2.	LR	01	04	20.0	Z'		
3.	i(P)	01	18	47.5	Z		
4.	iP	04	48	43.0	Z		
5.	iP	05	13	15.2	Z		
	iS		13	36.5	N		
6.	eX	09	02	32.0	Z'		
7.	iP	10	14	23.5	Z		
8.	eX	10	33	05.0	N'		
9.	eX	10	50	22.0	N'		
10.	iP	11	22	15.0	Z		
11.	iP	11	56	16.5	Z		
12.	iP	12	12	52.0	Z		
13.	eX	12	27	26.0	Z'		
14.	eX	12	57	25.0	Z'		
15.	eX	18	56	45.0	Z'		
16.	LR	19	13	09.0	Z'		
17.	iP	22	34	41.0	Z		
	eS		41	36.0	E'		
	LQ		45	18.0	E'		
	iX		45	22.0	Z'		
	LR		49	10.0	Z'		
18.	iP	22	54	12.0	NEZ		
18 JUNE							
1.	iP	00	56	42.0	Z		
	iS		56	44.2	E		
2.	iP	01	22	37.0	Z		
3.	iP	08	19	53.0	Z		
4.	iP	06	33	17.5	Z		
	iS		40	13.0	E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
18 JUNE							
5.	iP	11	18	42.0	Z		
	iS		18	53.5	E		
6.	iP	14	22	37.0	Z		
	iS		24	14.5	E'		
7.	iP	19	21	32.0	Z, Z'		
	eS		26	28.0	E'		
	LR		29	29.0	Z'		
19 JUNE							
1.	iP	03	09	56.5	NEZ, N' E' Z'		
	iS		10	08.5	E' E'		
2.	eX	05	58	31.0	N'		
3.	iP	07	59	36.0	NEZ, Z'	0.8	0.31
	ePP	08	01	11.0	Z'		
	eS		05	28.0	N' E'		
	LQ		08	14.0	N'		
	LR		10	31.0	Z'		
4.	eX	09	57	56.0	N'		
5.	eX	10	20	42.0	N'		
6.	eX	10	30	29.0	N'		
7.	eX	10	50	50.0	N'		
8.	iP	11	18	21.0	NEZ	0.4	0.08
	iS		18	30.8	E		
9.	eX	11	30	52.0	N'		
10.	iS	13	24	46.5	NE		
11.	eX	14	41	06.0	N'		
12.	eX	15	00	38.0	N'		
13.	eX	15	19	10.0	N'		
14.	iP	15	55	36.7	NEZ	0.5	0.32
	iS		55	53.0	N'		
15.	iP	18	16	10.2	NEZ	0.3	0.08
	iS		16	14.5	NE		
16.	eX	19	00	37.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
19 JUNE							
17.	i(P)	19	14	21.0	Z	0.7	0.03
	LR		16	17.0	Z'		
18.	iP	19	38	50.0	Z,Z'	1.0	0.07
	eS		41	38.0	N'		
19.	iS	19	51	44.5	NE		
20.	LR	19	54	06.0	Z'		
21.	eX	21	36	53.0	Z'		
22.	iS	22	06	54.0	N		
23.	e(P)	22	15	02.5	Z	0.8	0.03
24.	eX	22	59	05.0	N'		
25.	eX	23	05	03.7	E		
20 JUNE							
1.	iX	01	34	12.7	Z		
2.	i(P)	02	47	43.0	Z		
	iS		48	02.3	E		
3.	iP	05	10	50.5	Z		
	iS		11	28.5	N		
4.	iP	05	39	04.5	NEZ,N' E' Z'		
	iS		39	08.5	E' Z'		
5.	iS	06	45	45.0	NE		
6.	eP	09	03	35.0	Z,Z'	0.3	0.03
	e(S)		13	17.0	N' E'		
7.	iP	09	10	33.0	Z		
	iS		10	39.0	NE		
8.	LR	09	26	50.0	Z'		
9.	iP	09	47	26.0	Z	0.8	0.06
	iS		48	01.0	E		
10.	LR	10	39	47.0	Z'		
11.	iP	12	46	22.8	NEZ	0.6	0.06
	iS		47	18.3	NE		
	eX		47	57.0	N'		

Date	Phase	Time (GMT)			Comp.	T_z (sec)	A_z (micron)
20 JUNE							
12.	iP	13	16	40.6	NEZ	0.7	0.15
	iS		16	46.0	N		
13.	eX	16	00	36.0	Z'		
14.	iS	19	50	28.5	N		
15.	eX	22	19	54.0	Z'		
	LR		23	24.0	Z'		
21 JUNE							
1.	eX	01	03	25.0	Z'		
	LR		07	50.0	Z'		
2.	iP	03	22	19.8	Z	0.4	0.05
	iS		22	53.0	NE		
3.	eP	03	55	32.0	Z'		
	eS		59	55.0	E'		
4.	eX	07	33	05.0	N'		
	eX		38	08.0	N'		
5.	(LR)	07	52	07.0	Z'		
6.	iP	08	23	48.4	Z	0.4	0.16
	iS		23	58.5	NE		
7.	iP	13	26	28.7	Z	0.3	0.07
	iS		26	32.2	NE		
8.	eX	13	39	13.0	Z'		
9.	LR	13	47	18.0	Z'		
10.	iP	16	03	51.0	NEZ	0.8	1.05
	iS		04	11.0	N' E'		
11.	iP	18	32	10.5	Z		
	iS		32	33.8	E		
12.	iP	18	42	19.8	Z	0.3	0.04
	iS		42	38.0	NE		
13.	iP	19	29	40.0	Z	1.1	0.14
14.	iP	19	39	26.5	NEZ	0.4	0.06
	iS		39	50.7	N		
15.	LR	19	47	25.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
21 JUNE					
16.	iP	19 57 01.7	Z		
	iS	57 05.8	NE		
17.	iP	23 14 43.0	Z	0.9	0.10
	eS	21 21.0	E' Z'		
	IR	24 54.0	Z'		
22 JUNE					
1.	iP	00 21 56.2	NZ	0.5	0.02
	iS	22 03.3	NE		
2.	eP	01 59 39.0	Z		
3.	iP	03 41 49.5	Z		
	iS	42 04.8	E		
4.	iP	05 23 05.0	Z		
	iS	23 08.0	NEZ		
5.	iP	09 42 51.5	Z		
	iS	43 25.0	E		
6.	i(P)	14 38 40.5	Z		
	iS	39 02.0	E		
7.	iP	15 34 21.2	Z		
	iS	34 38.8	E		
8.	iX	19 42 31.0	E		
9.	eP	19 48 22.0	Z	1.0	0.06
	eX	50 38.0	Z'		
10.	iP	20 33 37.0	Z		
	eP	33 37.0	Z'		
	iX	34 58.5	Z'		
11.	iP	23 05 39.8	Z		
	iS	06 11.2	NE		
23 JUNE					
1.	iP	00 04 13.0	Z		
	iS	05 01.0	N		
2.	iP	02 17 43.8	Z		
	iS	17 53.0	E		
3.	i(P)	03 39 04.6	Z		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
23 JUNE								
	4.	eX	04	05	40.0	Z		
		eX		08	26.0	E'		
	5.	iP	05	07	48.2	Z	0.8	0.11
		iX		10	33.7	Z		
		eS		12	42.0	N,E'		
	6.	iX	05	17	53.0	N		
	7.	iP	09	04	59.0	Z		
		iS		05	02.0	NE		
	8.	iX	16	29	41.0	N		
	9.	iP	17	48	35.8	NEZ,Z'		
		iS		48	45.5	N' E'		
	10.	iP	20	59	23.5	Z		
		iS		59	28.0	E		
	11.	iP	21	41	35.0	Z		
	12.	iP	21	57	43.0	Z		
24 JUNE								
	1.	iP	03	04	31.5	Z	1.0	0.11
	2.	eX	03	10	33.0	E		
	3.	eX	03	11	25.0	E'		
	4.	eX	05	32	34.0	E'		
	5.	iP	06	21	47.7	Z	0.6	0.03
		iS		22	06.0	N		
	6.	iP	06	47	39.8	Z	0.9	0.37
		iS		48	09.0	E,N' E'		
	7.	eP	08	29	08.5	Z	1.0	0.03
		i(S)		30	27.5	E		
	8.	eX	17	21	12.0	Z'		
	9.	iS	22	43	08.0	E		
	10.	i(P)	23	15	31.2	Z		
		iS		15	59.0	E		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
25 JUNE								
	1.	iP	01	51	15.3	Z		
		iS		55	31.5	E		
		eS		55	31.5	N' E'		
		eX		57	17.0	Z'		
	2.	iP	03	25	34.0	Z		
	3.	iP	06	15	12.5	Z		
	4.	iP	06	57	58.0	Z		
		iS		58	12.0	E		
	5.	iP	07	44	59.0	Z		
	6.	iP	10	00	45.0	Z	0.6	0.08
		iS		01	15.5	E		
	7.	iP	12	12	18.5	Z		
	8.	iP	15	54	53.5	Z		
	9.	iP	18	45	37.2	Z,Z'	1.2	0.69
		e(S)		51	16.0	N'		
		LQ		54	16.0	N'		
		eX		54	20.0	Z'		
		LR		56	22.0	Z'		
26 JUNE								
	1.	iP	02	28	03.5	Z		
		iS		28	30.5	N,N' E'		
	2.	iP	05	58	13.0	Z		
	3.	iP	07	56	11.5	Z		
		i(S)		56	22.2	E		
	4.	iP	13	52	06.3	NEZ		
		iS		52	11.5	N'		
	5.	iP	14	42	36.5	Z	1.0	0.12
		LR		44	54.0	Z'		
	6.	iX	18	35	06.5	Z		
	7.	iP	20	16	39.0	Z	0.7	0.10
		LR		19	14.0	Z'		
	8.	iP	21	54	51.0	Z	0.8	0.11
	9.	iP	23	35	41.5	Z	1.0	0.14

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
26 JUNE							
10.	(LR)	23	42	46.0	Z'		
27 JUNE							
1.	iP	08	28	57.5	Z	0.5	0.04
	iS		29	09.0	E		
2.	iP	10	48	31.0	Z, Z'	0.8	0.21
	eX		57	37.0	Z'		
3.	iP	11	06	39.0	Z	0.8	0.11
4.	iP	14	38	58.0	NZ	0.8	0.16
	iS		39	17.3	NE		
5.	iP	21	58	44.5	Z	1.0	0.19
6.	(LR)	22	23	53.0	Z'		
7.	eP	22	46	48.0	Z	1.2	0.10
8.	eX	22	48	43.0	E'		
	eX		50	43.0	Z'		
28 JUNE							
1.	i(P)	00	15	59.0	Z		
	i(S)		16	57.0	E		
2.	i(S)	00	24	36.5	E		
3.	eX	04	54	16.0	Z'		
	LR	05	13	29.0	Z'		
4.	iS	10	35	27.0	NEZ		
5.	iP	11	47	40.5	Z	0.8	0.13
6.	LR	12	02	23.0	Z'		
7.	iP	12	24	35.0	Z	1.0	0.14
8.	iP	16	50	25.5	Z	1.0	0.28
	iS		52	34.0	E'		
9.	i(P)	22	59	08.0	Z		
29 JUNE							
1.	iP	05	00	54.0	Z		
2.	iP	05	43	50.8	Z		
	iS		43	53.0	NEZ		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
29 JUNE							
3.	iP	07	06	39.7	Z		
4.	i(P)	17	47	58.8	Z		
	iS		48	16.0	E		
5.	iP	18	51	32.0	Z		
	iS		51	40.5	N		
6.	iP	21	56	21.5	Z, Z'		
	iS	22	04	02.0	N'		
	eSS		07	37.5	N'		
	LQ		10	16.0	N'		
	LR		14	00.0	Z'		
7.	iP	22	03	41.0	Z		
	iS		04	01.0	NE		
8.	iP	22	53	19.3	Z		
	eX		55	28.0	Z'		
30 JUNE 1.	eX	02	35	09.0	E'		
2.	iP	09	05	07.0	Z	0.5	0.35
3.	eX	09	09	16.0	E'		
	eX		11	57.0	E'		
4.	iP	10	42	37.3	NZ	0.4	0.38
	iS		43	01.5	NE		
5.	eP	12	29	49.0	N' E' Z'		
	iS		32	20.0	N'		
	LR		33	25.0	Z'		
6.	iP	12	47	41.5	Z		
7.	iS	13	14	10.3	NE		
8.	eP	15	47	44.0	Z'		
	e(S)		49	02.0	N' Z'		
	(LR)		49	36.0	Z'		
9.	LR	17	29	49.0	Z'		
10.	LR	23	03	16.0	Z'		

BAGUIO STATION

QUARTERLY SEISMOLOGICAL BULLETIN

MANILA OBSERVATORY

PHILIPPINES

BAGUIO SEISMIC STATION

Baguio, Philippines

Latitude	16° 24' 39'' N
Longitude	120° 34' 47'' E
Elevation	1507 meters

Instruments: World-wide standardized seismographs (USCGS)

S. P.: Benioffs (designated as N, E, Z)

T_o - 1.0 sec.

T_g - 0.75 sec.

Magnification: usually 25,000

L. P.: Sprengnethers (designated as N', E', Z')

T_o - 15 secs.

T_g - 100 secs.

Magnification: usually 3,000

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
1 JULY					
1.	eP	05 52 40.0	Z,N' E' Z'		
	e(S)	54 11.0	E'		
2.	i(P)	10 26 33.5	Z		
	i(S)	26 49.5	EZ		
3.	iX	10 30 33.0	E'		
	eX	33 25.0	E'		
4.	iS	11 38 48.8	E		
5.	iP	13 26 39.0	Z	0.3	0.13
	iS	26 46.0	N		
6.	i(S)	15 09 30.3	N		
7.	iP	15 23 51.5	Z	0.7	0.05
	iS	29 20.0	NE		
8.	iP	16 02 25.0	NEZ	0.8	0.41
	iS	02 46.3	N,N' E'		
9.	i(P)	18 44 35.5	Z	0.8	0.07
10.	e(P)	22 15 53.0	Z	1.2	0.06
11.	eX	22 18 53.0	N'		
	LR	20 15.0	Z'		
2 JULY					
1.	eX	01 54 55.0	Z'		
2.	i(S)	06 50 21.7	N		
3.	LR	10 55 51.0	Z'		
4.	iP	14 36 39.0	EZ		
	iS	36 57.0	E		
5.	eX	14 58 25.0	N'		
6.	iP	15 08 18.0	Z	0.4	0.07
	iS	09 05.0	N		
	eX	09 19.0	N'		
7.	iP	18 57 14.0	Z	0.5	0.02
	iS	57 22.0	NE		
8.	iP	19 10 15.0	Z	0.7	0.14
	iS	10 25.2	N		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
2 JULY							
9.	i(P)	22	31	52.0	Z		
	iS		31	57.8	NE		
10.	i(S)	22	56	23.5	E		
3 JULY							
1.	iP	05	21	04.0	Z		
	eP		21	04.0	Z'		
	eX		35	18.0	N'		
2.	iP	08	48	13.0	Z		
3.	iX	09	29	23.5	E		
4.	(IR)	13	16	11.0	Z'		
5.	iP	16	41	46.0	NZ		
	iS		41	55.0	N		
6.	iP	17	00	34.5	Z		
	iS		01	02.0	E		
7.	i(P)	17	56	04.0	Z		
8.	iX	23	26	57.0	E		
4 JULY							
1.	iP	01	45	29.4	Z	0.8	0.10
	i(S)		47	13.0	E		
2.	iP	02	23	17.8	Z	0.6	0.05
	iS		23	33.0	N		
3.	i(P)	03	05	13.7	Z		
4.	LR	03	21	53.0	Z'		
5.	iP	03	28	20.8	EZ	0.4	0.09
	iS		28	35.0	E		
6.	eX	03	41	29.0	Z'		
7.	eP	04	08	04.0	Z		
	iS		08	32.0	NE		
8.	eP	07	14	48.5	Z		
	i(S)		15	09.5	N		
9.	iP	07	32	39.0	Z	0.9	0.15

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
4 JULY							
10.	eX	10	41	16.0	Z		
	i(S)		42	45.2	E		
	eX		43	15.0	Z'		
11.	eX	12	35	26.0	Z'		
12.	eX	12	45	10.0	Z'		
13.	iX	13	01	11.8	Z		
14.	LR	13	11	04.0	Z'		
15.	iP	15	41	46.0	Z	0.9	0.03
16.	eX	15	49	40.0	Z'		
17.	eX	17	43	33.0	Z		
	iS		43	38.3	N		
18.	iP	18	43	31.5	Z,Z'		
	iS		51	36.0	E'		
	LQ		58	16.0	N'		
	LR	19	00	40.0	Z'		
5 JULY							
1.	e(P)	02	31	45.0	Z,Z'		
	eS		40	12.0	E'		
	LR		48	44.0	Z'		
2.	iP	03	33	38.0	Z	1.0	0.24
3.	iP	04	49	00.3	Z		
	iS		50	12.0	N'		
4.	eX	06	12	22.0	Z'		
5.	iP	09	30	06.0	Z		
	iS		30	14.0	N		
6.	eX	09	34	39.0	E'		
7.	iX	13	36	37.5	N		
8.	i(P)	13	48	35.0	Z		
9.	i(P)	16	57	57.0	N		
10.	iP	17	14	40.5	Z		
	iS		14	43.0	NE		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
5 JULY								
	11.	iP	19	12	33.5	NZ		
6 JULY								
	1.	LR	01	22	10.0	Z'		
	2.	iS	03	34	39.0	NE		
	3.	(LR)	03	58	31.0	Z'		
	4.	iP	05	08	02.0	NEZ		
		iS		08	23.0	N'E'Z'		
	5.	eX	14	20	20.0	E'		
		(LR)		24	40.0	Z'		
	6.	eP	20	24	33.0	Z'		
		eS		29	13.0	E'		
	7.	iP	20	50	41.5	NEZ		
		iS		50	49.0	E'		
	8.	iP	21	11	20.0	Z	1.0	0.16
7 JULY								
	1.	eP	04	21	15.0	Z	1.0	0.08
		eX		25	09.5	E'		
	2.	iP	09	51	39.5	Z	1.1	0.12
		e(S)		56	26.0	N'		
		LR		57	26.0	Z'		
	3.	i(S)	10	16	21.0	N		
	4.	iP	12	22	26.5	Z		
		iS		22	45.0	N		
	5.	iX	12	36	18.0	N		
		iS		36	39.5	N		
	6.	iS	13	44	05.7	NE		
	7.	iX	13	50	35.5	N		
	8.	iP	17	22	37.5	Z	0.8	0.04
	9.	i(P)	17	39	29.7	N		
	10.	iP	19	52	54.0	NZ		
		i(S)		53	14.0	E		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
7 JULY							
11.	eP	20	19	05.5	Z	1.0	0.06
12.	eX	20	23	24.0	Z'		
	IR		24	55.0	Z'		
13.	iX	21	21	10.0	N		
14.	e(P)	21	32	14.0	Z		
	i(S)		32	25.5	E		
15.	eX	23	58	37.0	Z'		
8 JULY							
1.	iP	01	43	10.3	Z	1.2	0.17
	eS		47	11.0	E'		
2.	iP	06	08	09.0	EZ	0.7	0.10
	iS		08	13.0	NE		
3.	eX	07	30	13.0	N'		
4.	iP	09	37	54.5	Z		
	iS		38	02.5	NE		
5.	i(P)	17	14	04.0	Z		
	iS		15	12.5	E		
6.	iP	18	15	04.0	NEZ		
	iS		15	19.5	NE		
9 JULY							
1.	iP	02	41	35.5	NEZ	0.7	0.45
	iS		41	42.5	NE,N'		
2.	iX	04	35	54.7	N		
3.	eX	08	15	24.0	Z'		
4.	IR	08	27	56.0	Z'		
5.	iP	09	34	17.0	NZ	0.3	0.10
	iS		34	26.8	NE		
6.	iX	16	54	17.6	E		
	iS		54	24.0	N		
7.	eP	19	22	23.5	Z	1.0	0.12
	e(S)		26	23.0	E		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
9 JULY					
8.	iX	21 18 57.5	E		
	iX	19 33.0	E		
10 JULY					
1.	iP	01 32 13.5	Z	1.0	0.09
2.	i(P)	02 32 54.0	Z		
	iS	33 21.8	E		
3.	eP	10 12 18.5	Z,Z'		
	e(S)	22 44.0	N'		
	(LR)	36 54.0	Z'		
4.	eP	16 14 49.5	N' E' Z'		
	iS	16 48.0	N'		
5.	iP	18 01 01.0	Z		
6.	i(P)	19 00 20.0	Z		
	LR	02 50.0	Z'		
7.	i(P)	22 06 42.5	Z		
	iS	08 23.0	E		
	LR	09 14.0	Z'		
11 JULY					
1.	eX	01 39 54.0	Z'		
	LR	42 38.0	Z'		
2.	iP	02 24 35.0	Z	0.5	0.02
	iS	25 31.7	E		
3.	eX	03 45 43.0	Z'		
4.	iS	06 08 36.6	NE		
5.	eX	07 41 17.0	Z'		
6.	iP	09 14 47.5	Z	0.7	0.04
	iS	15 09.0	N		
7.	i(P)	19 08 31.0	Z		
	iS	08 52.0	E		
8.	eP	22 57 30.5	Z'	0.9	0.19
	eS	23 07 14.0	N' E'		
	e(SS)	12 14.0	N'		
	eSS	15 47.0	E'		
	LR	21 15.0	Z'		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
12 JULY								
	1.	iP	05	57	34.0	Z		
	2.	iP	13	35	27.5	Z		
		i(S)		36	03.0	E		
	3.	iP	19	04	42.0	Z		
		eP		04	42.0	Z'		
	4.	(LR)	19	36	31.0	Z'		
	5.	iS	23	03	56.5	N		
13 JULY								
	1.	iP	05	11	38.0	Z		
		iS		11	57.0	E		
	2.	iP	06	03	09.0	Z		
		iS		03	28.0	NE		
	3.	iP	06	04	55.5	Z		
		iS		05	15.5	NE		
	4.	iP	06	23	13.3	Z		
		iS		23	33.0	NE		
	5.	iP	06	57	14.5	Z	1.0	0.12
	6.	iP	07	42	53.5	Z		
	7.	eX	09	26	22.0	Z'		
	8.	iP	11	14	54.0	Z		
		iS		15	24.5	NE		
	9.	eX	12	08	41.0	Z'		
	10.	iP	14	44	14.0	Z	1.0	0.16
		e(S)		47	17.0	Z'		
	11.	iP	20	20	12.0	Z		
		iS		20	20.0	NE		
	12.	iP	22	24	01.2	Z		
		i(S)		25	34.0	Z'		
14 JULY								
	1.	iP	00	04	56.5	Z		
		iS		05	16.0	E		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
14 JULY								
	2.	e(P)	01	54	04.0	Z		
	3.	iS	02	58	27.5	NE		
	4.	eX	03	13	18.0	Z		
	5.	eX	03	15	20.0	E'		
		eX		16	35.0	Z'		
	6.	iS	03	42	47.8	N		
	7.	eP	05	59	15.0	Z		
		iS		59	20.4	N		
	8.	eX	06	24	47.0	Z'		
	9.	eX	06	28	54.0	E'		
		eX		29	24.0	Z'		
	10.	e(P)	07	33	09.4	Z	0.5	0.02
		eX		37	47.0	Z'		
	11.	eX	08	43	39.0	Z'		
	12.	eX	10	19	25.0	Z'		
	13.	eX	12	54	12.0	Z'		
	14.	iS	13	54	01.8	N		
	15.	iX	14	47	31.5	E		
	16.	iP	16	01	52.0	Z	0.5	0.07
		iS		02	14.0	E		
15 JULY								
	1.	i(P)	03	08	31.8	Z		
		iP		08	33.2	Z	0.5	0.08
		iS		08	52.5	NE		
	2.	i(S)	07	44	46.8	E		
	3.	iX	07	53	37.0	E		
	4.	e(P)	08	19	35.2	Z		
	5.	(LR)	09	18	24.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
15 JULY							
6.	iP	10	36	20.5	Z	0.9	0.20
	iS		38	10.0	E,E'		
7.	iP	13	11	00.4	NEZ	0.9	0.55
	iS		11	22.3	E		
8.	e(P)	18	02	08.8	Z		
	eX		04	40.0	Z		
	LR		06	04.0	Z'		
9.	eX	19	03	04.5	Z		
	eX		06	08.0	N'		
10.	eP	20	29	26.0	Z	0.5	0.02
	eX		32	32.0	N'		
	(LR)		32	41.0	Z'		
11.	i(P)	22	17	35.3	Z		
	iS		17	51.0	E		
12.	iS	23	14	14.0	NE		
16 JULY							
1.	iP	07	29	03.5	Z,Z'	1.0	0.18
	e(S)		36	30.0	E'		
	(LQ)		40	10.0	E'		
	LR		45	04.0	Z'		
2.	iP	07	39	33.5	Z		
	iS		39	36.0	E		
3.	iP	14	36	20.8	Z		
	iS		36	31.5	NE		
4.	iP	18	35	50.0	Z		
5.	eX	18	38	44.0	N'		
	eX		41	26.0	Z'		
17 JULY							
1.	iX	01	01	32.0	E		
2.	iX	02	24	19.3	N		
3.	iP	02	34	18.0	Z		
4.	eX	03	00	14.0	Z'		
5.	iP	06	55	52.6	Z	1.3	0.20

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
17 JULY					
6.	eX	07 01 34.0	N'		
	eX	04 57.0	N'		
	LR	07 46.0	Z'		
7.	(LR)	10 12 57.0	Z'		
8.	iP	10 32 34.5	Z		
9.	LR	12 51 09.0	Z'		
10.	i(P)	16 04 49.8	Z		
	eX	06 05.0	Z'		
11.	eX	23 28 20.0	E'		
	(LR)	30 52.0	Z'		
18 JULY					
1.	iP	00 30 59.5	NEZ	0.6	0.21
	iS	31 02.0	E		
2.	e(P)	02 05 21.0	Z'		
3.	LR	02 24 22.0	Z'		
4.	iS	04 38 10.4	NE		
5.	eP	04 45 15.0	Z	0.8	0.06
6.	eX	05 53 30.0	Z'		
7.	iS	06 28 58.0	N		
8.	i(S)	07 44 29.2	E		
9.	eX	10 17 45.0	Z'		
10.	LR	10 28 14.0	Z'		
11.	e(P)	12 00 48.0	Z		
	iS	01 17.0	E		
12.	iS	17 57 29.8	NE		
13.	e(P)	18 16 37.0	Z		
	iS	17 41.6	E		
14.	iP	19 31 58.0	Z	0.4	0.02
	iS	32 15.5	N		
15.	eX	19 52 13.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
18 JULY					
16.	LR	20 02 53.0	Z'		
17.	iX	20 46 41.7	E		
18.	iP	21 19 17.0	Z	0.3	0.05
	iS	19 27.8	E		
19.	eX	21 30 41.0	E'		
20.	LR	23 22 33.0	Z'		
19 JULY					
1.	eP	01 50 02.5	Z'	0.8	0.09
	ePcP	51 12.0	Z'		
	ePPP	53 16.0	E'		
	eS	57 24.0	N'		
	LQ	02 02 42.0	E'		
	LR	07 23.0	Z'		
2.	i(P)	08 22 37.5	Z		
3.	iP	14 27 00.0	Z		
	iS	27 08.0	N' E'		
4.	(LR)	18 52 42.0	Z'		
5.	eP	19 30 52.0	Z, Z'		
	eS	39 21.0	E'		
	LQ	47 53.0	E'		
	(LR)	52 00.0	Z'		
6.	iP	21 00 55.0	Z		
20 JULY					
1.	iX	11 27 39.0	Z		
2.	LR	11 57 13.0	Z'		
3.	eX	12 43 09.7	N		
4.	eX	14 01 45.0	Z'		
5.	LR	14 21 32.0	Z'		
6.	e(P)	15 28 53.5	Z		
7.	eX	19 39 44.0	N'		
8.	eX	19 45 48.0	Z'		
9.	iS	23 43 59.0	E		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
21 JULY								
	1.	iX	02	52	14.0	Z		
	2.	eP	03	14	32.0	Z		
		iS		14	53.0	N		
	3.	eX	03	59	11.0	E'		
		(LR)	04	06	23.0	Z'		
	4.	iP	05	05	54.8	Z	0.8	0.34
		iS		06	26.0	N'		
	5.	i(P)	05	30	46.3	Z	1.1	0.12
	6.	eX	05	32	07.0	Z		
	7.	LR	06	33	15.0	Z'		
	8.	eX	09	36	15.0	Z'		
	9.	eX	11	36	20.0	Z'		
	10.	eiP	13	31	02.5	EZ,Z'	1.2	0.97
		eS		34	50.0	N'		
		eX		35	21.0	Z'		
	11.	iP	18	40	23.0	Z,Z'	1.0	1.28
		ePP		43	03.5	Z		
		ipPP		43	39.0	Z'		
		iS		48	43.0	N'		
		eSS		52	34.0	E'		
		G		56	31.0	N'		
22 JULY								
	1.	iP	01	16	48.8	Z	1.0	0.28
		iS		17	08.5	E		
	2.	eX	03	57	08.0	Z'		
		LR	04	01	39.0	Z'		
	3.	iP	04	35	17.0	Z	1.0	0.17
		iS		35	50.0	E		
	4.	iP	05	05	54.8	NEZ		
		iS		06	02.0	NE		
	5.	iP	05	25	40.5	Z	1.0	0.10
	6.	iP	05	38	27.5	Z		
		iS		38	35.0	NE		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
22 JULY					
7.	iS	06 13 57.0	NE		
8.	iS	06 42 12.5	NE		
9.	iX	08 28 54.0	N		
10.	iP	08 35 20.3	Z,Z'	1.0	1.10
	e(sP)	36 03.0	Z'		
	eS	43 00.0	N'		
	e(sS)	43 57.0	E'		
11.	eP	10 27 40.0	Z		
	ePcP	28 12.0	Z'		
	eS	36 08.0	N' E'		
	eScS	37 30.0	N'		
	LQ	43 33.0	N'		
	LR	47 04.0	Z'		
12.	iP	11 43 34.0	Z		
	iS	43 42.0	NE		
13.	iP	15 05 18.0	Z		
	iS	05 45.0	NE		
14.	iP	15 50 23.5	Z		
	iS	50 31.5	NE		
15.	iP	16 25 23.5	Z		
	iS	25 44.0	NE		
16.	eX	19 36 14.0	E'		
23 JULY					
1.	iS	00 47 12.0	NE		
2.	eX	03 06 54.0	Z		
	iS	07 45.0	E		
3.	eiP	05 51 40.5	Z	1.3	0.17
	eS	55 56.0	E'		
4.	iP	06 50 04.5	Z	0.3	0.04
	iS	50 11.5	NE		
5.	iP	13 08 21.5	Z	0.7	0.06
	eS	09 28.0	E'		
6.	eP	14 42 09.0	Z'	0.7	0.05
	eS	50 35.0	N' E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
23 JULY (con't)6.	LQ	14	57	30.0	E'		
	LR	15	01	51.0	Z'		
7.	eX	20	04	35.0	Z		
8.	iS	22	42	49.5	NE		
24 JULY							
1.	iP	03	58	12.8	Z		
	iS		58	18.0	NE		
2.	iP	04	11	46.0	Z		
	iS		11	57.0	E		
3.	eP	09	03	56.0	Z'		
	eS		13	25.0	E'		
	(LR)		26	27.0	Z'		
4.	iP	16	05	16.5	Z		
	iS		05	24.5	N'E'		
5.	iP	17	33	34.5	Z		
	iS		33	42.5	NE		
6.	iP	18	04	09.0	Z		
	iS		04	17.5	NE		
7.	iP	18	44	54.4	Z		
	iS		45	02.2	NE		
8.	iS	22	06	43.0	NE		
9.	iP	23	26	05.5	Z		
	iS		26	13.5	NE		
25 JULY							
1.	iX	01	04	39.3	E		
2.	e(P)	02	36	52.5	Z		
	iS		37	01.3	NE		
3.	iS	07	57	06.0	NE		
4.	i(S)	09	12	10.5	N		
5.	iP	11	15	53.5	Z	0.3	0.10
	iS		16	28.5	E		
6.	iP	14	03	53.8	Z		
	iS		04	13.0	N		

Date	Phase	Time (GMT)			Comp.	T_Z (sec)	A_Z (micron)
25 JULY							
7.	iP	21	15	38.8	Z	0.7	0.04
	iS		15	47.0	NE		
8.	iP	21	37	56.0	Z	0.5	0.03
	iS		38	03.3	NE		
9.	iP	21	51	50.0	Z	0.5	0.03
	iS		51	57.5	NE		
26 JULY							
1.	iP	11	45	31.2	Z	1.0	0.22
2.	iP	13	48	34.5	Z		
	iS		48	45.0	NE		
3.	iP	19	57	52.5	Z		
	iS		58	01.3	NE		
4.	eiP	22	51	07.5	Z	1.0	0.30
27 JULY							
1.	eX	00	51	47.0	E'		
2.	eX	01	08	55.0	E'		
3.	iX	01	53	55.0	E		
4.	eP	02	03	58.0	Z	0.8	0.06
	e(S)		05	29.0	N'		
5.	eiP	02	16	24.8	NEZ	0.5	0.05
	iS		16	35.7	NE		
6.	i(P)	02	35	10.0	Z		
	iS		35	51.0	E		
7.	i(S)	03	25	00.7	NE		
8.	eP	05	09	05.0	Z'		
	eX		10	18.0	Z'		
	eX		13	51.0	Z'		
9.	eX	05	18	13.0	E'		
10.	eX	05	50	56.0	Z'		
11.	LR	06	06	54.0	Z'		
12.	iS	13	02	07.8	NE		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
27 JULY							
13.	eX	15	26	42.0	N'		
	(LR)		28	47.0	Z'		
14.	iP	16	44	09.0	Z	0.5	0.03
	iS		44	17.5	NE		
15.	eX	19	22	26.0	Z'		
16.	iS	21	20	15.8	NE		
17.	iP	21	33	49.0	NEZ		
	iS		33	55.5	N		
18.	iP	21	52	21.0	NEZ		
	iS		52	32.4	E		
19.	iP	22	32	45.5	NEZ		
	iS		33	08.0	NE		
20.	iP	22	50	09.0	NEZ	0.7	0.09
	iS		50	31.5	E		
21.	iP	22	57	10.2	Z	0.3	0.08
	iS		57	16.5	N		
22.	eiP	23	06	35.5	NEZ		
	iS		06	57.8	E		
23.	iP	23	25	16.8	NEZ		
	iS		25	39.0	NE		
28 JULY							
1.	eP	01	28	16.0	Z		
	eS		36	12.0	E'		
	e(SS)		40	00.0	E'		
	LQ		42	36.0	N'		
	LR		45	50.0	Z'		
2.	iP	08	21	04.5	Z		
	eS		25	25.0	E'		
	eX		27	08.0	N'		
3.	eP	10	51	42.5	Z,Z'		
	eS		54	58.0	E'		
	LR		56	07.0	Z'		
4.	iP	10	51	45.0	NEZ		
5.	eX	12	44	18.0	N'		
	LR		47	50.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
28 JULY							
6.	iP	22	20	12.0	Z		
	iS		20	35.0	NE		
29 JULY							
1.	iP	03	38	46.0	Z		
	iS		38	53.5	N		
2.	iP	06	29	12.0	Z		
	LR		32	47.0	Z'		
3.	iP	11	55	00.0	Z,Z'		
	eS	12	02	12.0	E'		
	eSS		06	02.0	E'		
	LQ		07	27.0	N'		
	LR		09	50.0	Z'		
4.	eX	14	07	54.0	Z'		
5.	iP	14	50	18.1	Z,Z'		
6.	i(P)	20	24	12.5	Z		
7.	iP	20	54	28.0	Z	1.0	0.52
	i(S)		55	15.0	E'		
8.	eX	22	50	28.0	E'		
9.	iS	22	54	12.7	E		
30 JULY							
1.	iP	03	40	19.5	Z	0.5	0.05
2.	eX	03	42	12.0	E'		
	(LR)		42	50.0	Z'		
3.	iX	04	22	28.5	Z		
	iS		22	34.0	NE		
4.	iS	07	24	50.7	N		
5.	eX	13	34	46.0	E'		
	eX		35	35.0	Z'		
6.	i(P)	17	41	35.7	Z		
	iP		41	38.5	Z	0.8	0.29
	eS		43	27.0	E'		
	(LR)		44	30.0	Z'		
7.	eX	19	43	09.0	Z		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
30 JULY					
8.	i(3)	23 03 45.6	N		
31 JULY					
1.	iP	08 44 54.0	Z		
	iS	45 27.0	E		
	eX	46 40.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
1 AUG.					
1.	iP	02 18 47.0	Z		
	iS	19 09.8	NE		
2.	iP	02 24 39.5	Z		
3.	eX	02 27 10.0	Z'		
4.	iP	02 29 30.0	Z		
5.	iP	02 30 51.5	Z		
	eX	32 17.0	N'		
6.	iP	03 31 37.8	Z	0.7	0.30
7.	iP	05 19 27.0	Z		
8.	i(P)	08 36 43.0	Z		
	iS	36 49.0	N		
9.	i(P)	12 59 21.0	Z		
10.	iP	13 50 12.5	Z		
11.	iP	17 12 59.8	NEZ		
	iS	13 16.0	NE		
12.	iP	19 18 43.8	Z,Z'	1.0	0.25
	eS	25 54.0	N'		
	LQ	30 08.0	E'		
	LR	33 22.0	Z'		
13.	iP	20 39 17.5	Z,Z'		
	ePP	40 54.0	Z'		
	eS	45 06.5	N'E'		
	LQ	48 06.0	E'		
	(LR)	51 32.0	Z'		
14.	hfP	21 11 46.0	NZ		
	iP	11 49.0	NZ,Z'	1.2	1.25
	iS	18 58.0	N'E'		
15.	iP	22 39 43.0	Z		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
2 AUG.								
	1.	eX	00	20	13.0	Z'		
	2.	i(P)	00	39	23.5	Z		
	3.	iP	04	45	57.3	Z	0.7	0.07
		iS		46	05.2	NE		
	4.	iP	05	50	26.8	Z	1.5	0.19
	5.	i(S)	08	53	42.0	NE		
	6.	eX	09	27	45.0	Z		
	7.	eX	18	54	08.0	Z		
		eX		59	26.0	N'E'		
		(LR)	19	02	30.0	Z'		
	8.	iP	19	09	06.0	Z	0.6	0.02
3 AUG.								
	1.	LR	04	45	25.0	Z'		
	2.	iX	06	01	22.0	E		
	3.	iP	08	00	29.5	NEZ	0.9	0.17
		iS		01	13.0	N		
	4.	eX	10	27	17.0	Z'		
	5.	eX	11	01	45.0	Z'		
		eX		05	35.0	N'E'		
		(LR)		06	54.0	Z'		
	6.	e(P)	13	08	46.5	Z	0.6	0.02
		eX		09	34.0	E'		
	7.	eX	16	30	08.0	Z'		
	8.	eX	18	02	57.0	Z'		
	9.	eX	18	46	52.0	Z'		
	10.	LR	19	10	14.0	Z'		
	11.	iP	21	14	29.0	Z		
		iS		14	50.2	E		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
3 AUG.							
12.	iX	22	02	44.8	E		
4 AUG.							
1.	iP	00	08	12.0	Z	0.9	0.04
	eX		10	40.0	Z'		
2.	iP	01	48	41.0	Z		
	iS		49	02.6	E		
3.	eP	03	11	33.2	Z	0.6	0.02
	eX		12	25.0	N'		
4.	eX	05	13	58.0	Z		
5.	eX	05	49	39.0	Z		
	eX		54	31.0	N'		
6.	iP	07	43	54.0	Z	0.5	0.01
	iS		44	12.2	E		
7.	eX	14	45	15.0	Z'		
8.	eX	14	57	09.0	Z'		
9.	eX	15	00	30.0	Z'		
10.	eX	15	05	12.0	Z'		
11.	eX	15	51	27.0	Z'		
12.	eX	16	33	56.0	Z'		
13.	eX	19	22	28.0	Z'		
14.	eX	19	29	09.0	Z'		
15.	i(P)	19	49	24.0	Z		
	iS		49	42.0	E		
16.	i(P)	19	53	02.4	E		
	iS		53	20.3	E		
17.	eX	19	57	41.0	Z'		
18.	i(P)	20	08	15.0	E		
	iS		08	35.0	E		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
4 AUG.					
19.	eX	20 43 14.0	Z'		
20.	iP	21 26 15.0	Z	0.8	0.26
	iS	26 43.0	N		
21.	iS	22 17 09.8	NE		
22.	eX	22 25 26.0	Z'		
23.	eX	22 38 16.0	Z		
24.	e(P)	22 57 53.0	Z		
	iP	57 55.0	Z	0.6	0.16
	iS	58 31.3	E		
5 AUG.					
1.	eP	01 10 38.5	Z		
	eX	16 46.0	N'		
	eX	22 22.0	Z'		
2.	i(P)	03 12 24.0	Z		
	iS	12 53.0	E		
3.	iP	04 09 52.0	Z		
	iS	09 55.3	NE		
4.	iP	04 32 16.0	Z		
5.	iP	04 41 50.0	Z	0.8	0.11
	eP	51 50.0	Z'		
	(LR)	56 52.0	Z'		
6.	eX	08 03 49.0	Z'		
7.	iP	08 16 26.5	Z,Z'	1.2	0.26
	eS	19 04.0	N'E'		
	LR	20 12.0	Z'		
8.	eX	09 04 07.0	Z'		
9.	eX	14 18 34.0	Z'		
10.	iP	15 45 37.0	Z	1.0	0.16
11.	eP	20 04 19.0	Z		
12.	iP	20 18 20.3	Z		
	iS	18 40.0	E		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
6 AUG.							
1.	eX	02	19	46.0	E'		
2.	iP	02	59	23.7	Z	0.7	0.04
	iX	03	00	53.8	N		
3.	eX	03	02	30.0	E'		
4.	i(P)	04	41	02.5	N		
	iS		41	30.0	E		
5.	iP	05	16	22.0	Z	0.8	0.01
	iS		17	00.5	NE		
6.	i(S)	05	48	12.3	E		
7.	eiP	08	11	23.0	Z	0.8	0.11
8.	e(P)	08	16	04.0	Z		
	iS		16	17.0	E		
9.	iP	08	26	18.2	Z	0.9	0.03
10.	iS	11	04	47.5	E		
11.	eX	13	55	13.0	N'		
12.	eP	18	00	56.0	Z		
	i(S)		02	44.5	E		
13.	eX	19	40	35.0	Z		
14.	eX	19	49	09.0	E'		
	eX		53	25.0	N'		
15.	iX	20	26	43.0	Z		
16.	iP	20	37	58.0	Z	0.5	0.03
	iS		38	24.0	NE		
17.	eX	20	43	21.0	E'		
18.	iP	21	07	32.5	Z	0.7	0.04
	iS		07	45.2	N		
19.	iP	21	14	07.0	Z	0.4	0.02
20.	iP	21	40	20.8	Z	0.8	0.06
	iS		40	28.8	NE		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
7 AUG.								
	1.	eiP	02	23	33.0	Z		
		iP		23	33.0	Z'		
		iPP		26	00.0	Z'		
		iS		32	02.0	N'E'		
		G		39	42.0	E'		
		LQ		40	38.0	E'		
		LR		42	34.0	Z'		
	2.	e(P)	02	52	30.0	Z		
	3.	iP	03	15	55.5	Z		
	4.	eX	03	22	56.0	E'		
	5.	iP	07	09	00.8	Z		
		eX		11	09.0	Z'		
	6.	eX	15	00	06.0	Z'		
	7.	e(P)	17	55	18.0	Z'		
		eS	18	04	49.5	E'		
		eSS		10	30.0	E'		
		LQ		21	12.0	E'		
		LR		26	16.0	Z'		
	8.	e(P)	20	25	07.0	Z		
	9.	iP	22	11	44.0	Z		
		iS		11	53.8	E		
8 AUG.								
	1.	eX	00	48	13.0	E'		
		eX		51	29.0	Z'		
	2.	iP	03	44	50.5	Z	0.5	0.09
		iS		44	57.0	E		
	3.	iP	03	54	51.5	Z	0.5	0.01
		iS		55	00.0	E		
	4.	iP	06	59	20.0	Z	0.7	0.03
		i(S)	07	00	06.5	E		
	5.	iP	07	16	18.0	NEZ	0.3	0.10
		iS		16	49.5	NE		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
8 AUG.							
6.	eP	07	33	15.5	Z'	0.5	0.08
	ePPP		36	11.0	Z'		
	eS		40	35.0	N' E'		
	eSS		44	09.0	E'		
	(LQ)		45	24.0	E'		
	LR		47	51.0	Z'		
7.	eX	08	32	49.0	Z'		
8.	LR	08	57	32.0	Z'		
9.	eX	10	30	47.0	Z'		
10.	iP	10	44	46.5	Z		
	iS		44	56.5	N		
11.	eX	11	00	10.0	Z'		
12.	eX	11	12	06.2	N'		
13.	i(P)	11	52	31.0	Z		
	iS		52	34.5	NE		
14.	eX	12	36	26.0	N'		
15.	eX	12	41	36.0	N'		
16.	iX	12	46	12.0	Z		
17.	eX	12	50	43.0	Z'		
	LR		52	10.0	Z'		
18.	eX	15	06	09.0	N'		
19.	eX	15	18	21.0	N'		
	eX		22	41.0	N'		
20.	eX	16	36	49.0	N'		
21.	eX	19	09	47.0	N'		
22.	eX	19	34	39.0	N'		
23.	iS	19	49	28.2	NE		
24.	i(S)	21	11	22.5	E		
25.	eiP	21	53	03.0	NEZ	0.6	0.13
	iS		43	34.8	NE		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
8 AUG.							
26.	eX	21	47	41.0	N'		
9 AUG.							
1.	iX	01	42	51.5	N		
2.	iX	03	03	53.0	Z		
3.	i(P)	03	53	33.5	Z		
4.	i(P)	04	44	16.0	N		
5.	eX	04	53	19.0	Z'		
6.	eX	05	33	47.0	Z'		
7.	eX	08	11	41.0	Z'		
8.	eX	10	25	24.0	Z'		
9.	iP	10	50	49.0	Z	0.7	0.03
	iS		51	28.7	NE		
10.	eX	11	34	51.0	Z'		
11.	eX	12	22	53.0	Z'		
12.	eX	16	29	11.0	Z'		
13.	(LR)	17	24	49.0	Z'		
14.	iP	20	06	54.5	Z	0.7	0.02
15.	eP	22	35	28.0	Z,Z'	1.0	0.05
	eS		43	24.0	E'		
	eX		46	18.0	Z'		
16.	iP	22	45	14.4	Z,Z'	0.7	0.23
	i(S)		46	01.0	E		
17.	iX	23	22	37.0	N		
10 AUG.							
1.	iP	00	59	25.0	NEZ		
	iS		59	30.5	E		
2.	eX	01	31	35.0	Z'		
3.	eX	01	46	05.0	Z'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
10 AUG.					
4.	iP	05 12 28.5	Z,Z'	0.8	0.09
	e(PcP)	13 03.5	Z'		
	ePP	15 44.0	Z'		
	ePPP	17 28.0	Z'		
	eS	22 24.0	E'		
	eScS	23 09.0	N' E'		
	eSS	27 21.0	E'		
	e(SSS)	30 46.0	E'		
	LQ	32 11.0	N' E'		
	LR	36 10.0	Z'		
5.	iP	05 25 05.2	NEZ	0.6	0.40
	iS	25 36.8	NE		
6.	eX	08 16 18.0	Z'		
7.	eX	08 52 03.0	Z'		
8.	eX	09 03 07.0	Z'		
9.	iP	12 40 57.0	Z,Z'	1.4	0.54
	iPP	42 27.0	Z'		
	ePPP	42 51.0	Z'		
	eS	47 03.0	N' E'		
	LQ	49 49.0	N' E'		
	LR	52 08.0	Z'		
10.	iP	13 14 31.0	EZ	1.3	0.42
11.	e(P)	14 03 32.5	Z		
	iS	04 21.5	E		
12.	eiP	16 04 53.0	Z	1.2	0.17
	eS	11 09.0	N' E'		
	(LQ)	13 42.0	E'		
	LR	15 40.0	Z'		
13.	e(P)	18 15 51.0	Z'		
	i(S)	16 57.0	N'		
14.	iX	18 59 18.0	E		
15.	iX	20 30 15.4	Z		
16.	eX	20 33 07.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
10 AUG.							
17.	eP	22	14	30.5	Z	1.0	0.14
18.	(LR)	22	35	11.0	Z'		
19.	iS	22	59	55.5	NE		
11 AUG.							
1.	iP	05	23	47.4	Z	0.8	0.19
2.	eP	05	24	14.5	Z'		
	eS		34	34.0	E'		
	e(SS)		42	30.0	N'		
	LQ		44	38.0	N'		
	LR		48	16.0	Z'		
3.	iS	06	19	58.0	NE		
4.	iX	07	20	24.2	N		
5.	iP	07	36	09.3	Z		
6.	iP	10	56	32.5	Z,Z'	0.8	0.10
	e(S)	11	05	12.0	E'		
	eSS		09	33.0	E'		
	LQ		12	40.0	N'		
	LR		16	16.0	Z'		
7.	eP	15	06	37.0	Z'		
	eX		09	07.5	Z'		
8.	iP	20	37	51.0	Z	0.5	0.43
	iS		38	22.0	NE		
9.	eP	20	51	27.5	Z		
	eS	21	01	48.0	N' E'		
	LR		15	56.0	Z'		
10.	eP	23	37	09.0	Z'		
	eS		47	32.0	E'		
12 AUG.							
1.	LR	02	21	44.0	Z'		
2.	i(P)	04	10	28.0	Z		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
12 AUG.							
3.	iS	06	16	23.0	E		
4.	iP	14	57	28.5	Z	0.7	0.28
	iS		57	34.5	E		
5.	eX	15	13	29.0	Z'		
6.	LR	18	06	28.0	Z'		
7.	iP	19	27	03.0	Z		
	iS		30	41.0	E		
	eX		32	12.0	E'		
8.	iP	20	28	07.5	Z		
	eS		37	18.0	N'		
9.	iP	21	12	50.0	Z		
	eX		17	02.0	N'		
13 AUG.							
1.	eX	04	22	15.0	Z'		
2.	eX	05	13	42.0	N'		
3.	eX	06	40	04.5	N'		
4.	eX	07	04	49.0	Z'		
5.	iP	07	23	30.2	Z		
	iS		23	37.5	NE		
6.	iP	08	09	09.8	Z		
	iS		09	17.0	NE		
7.	eX	09	08	22.0	Z'		
8.	eX	09	47	17.0	Z'		
9.	eX	10	13	06.0	Z'		
10.	iP	10	14	04.0	Z		
	iS		14	26.5	E		
11.	iP	17	00	38.5	Z		
	eX		02	21.0	E'		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
14 AUG.								
	1.	iP	00	09	41.0	Z		
		iS		10	09.0	E		
	2.	iP	00	43	23.2	Z		
		iS		43	34.0	E		
	3.	i(P)	09	17	30.0	Z		
	4.	iP	23	59	55.5	Z		
15 AUG.		iS	00	00	07.0	E		
15 AUG.								
	1.	eX	02	37	14.0	E'		
		(LR)		40	17.0	Z'		
	2.	iP	02	46	22.5	NZ,Z'	1.5	0.33
	3.	i(P)	02	56	53.5	E		
	4.	iS	03	16	44.8	E		
	5.	i(P)	03	57	05.0	Z		
		iS		57	55.5	E		
	6.	e(P)	10	30	28.0	Z		
		e(S)		38	26.0	N'		
		eX		44	49.0	N'		
	7.	i(P)	19	17	44.0	Z		
		iP		17	48.0	Z	0.5	0.08
		eX		20	20.0	N'		
	8.	iX	22	38	43.5	N		
	9.	iP	23	54	59.2	Z		
		iS		55	35.8	N		
16 AUG.								
	1.	iP	01	32	03.5	Z		
	2.	iP	02	09	21.0	Z		
	3.	iP	02	24	43.3	Z	1.0	0.13
	4.	eP	02	25	26.0	Z'		
		eS		31	29.5	E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
16 AUG.							
5.	iP	02	50	58.5	Z		
6.	i(P)	03	56	44.0	Z		
7.	eX	05	24	22.0	Z'		
8.	i(P)	06	18	42.0	Z		
	eX		21	42.0	E'		
9.	iP	08	12	42.0	Z		
10.	iP	11	45	06.2	Z		
11.	LR	14	13	03.0	Z'		
12.	i(P)	15	24	04.5	Z		
13.	eX	18	46	30.0	E'		
	LR		52	31.0	Z'		
14.	iX	19	36	07.0	N		
15.	e(P)	19	56	04.5	Z'		
	eS	20	04	30.0	N'		
	LQ		11	44.0	N'		
16.	iP	22	11	44.0	Z		
17 AUG.							
1.	iP	06	15	33.8	Z	1.0	0.20
2.	iX	08	32	17.0	E		
3.	iP	09	44	34.0	NEZ		
	iS		44	45.5	NE		
4.	i(P)	11	27	19.5	Z		
5.	eX	11	38	23.0	E'		
	LR		42	18.0	Z'		
6.	iP	19	58	25.0	Z		
	eP		58	25.0	Z'		
	eS	20	01	54.0	E'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
17 AUG.							
7.	iP	21	08	10.0	Z		
	eP		08	10.0	Z'		
	eS		15	54.0	N' E'		
	LQ		21	52.0	N'		
	LR		24	16.0	Z'		
8.	iP	22	51	06.2	Z		
	iS		51	23.5	NE		
9.	eX	23	52	28.0	E'		
18 AUG.							
1.	eX	00	15	13.0	N'		
	LR		18	12.0	Z'		
2.	iS	00	53	14.0	E		
3.	iP	03	48	16.5	Z	1.0	0.42
4.	iP	04	33	15.4	Z		
	iS		33	23.0	NE		
5.	(LR)	07	02	52.0	Z'		
6.	eX	08	35	19.0	Z'		
7.	eX	08	52	15.0	Z'		
8.	eX	10	18	22.0	Z'		
9.	iP	10	52	31.0	Z'		
	iX		55	07.0	Z'		
10.	eP	10	56	03.0	Z	1.0	0.11
11.	eX	11	42	40.0	N'		
	LR		44	13.0	Z'		
12.	i(P)	13	10	42.5	Z		
13.	iP	14	37	57.0	Z, N' Z'	0.9	1.47
	iS		41	15.0	E'		
	(LR)		42	07.0	Z'		
14.	eP	15	48	12.5	Z	1.5	0.23
15.	eX	18	41	16.0	N'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
18 AUG.					
16.	eX	18 59 45.0	N'		
17.	i(P)	21 18 15.0	N		
	eX	18 56.0	E'		
19 AUG.					
1.	eX	03 35 33.0	Z'		
	eX	40 03.0	N'		
2.	eX	03 49 46.0	Z'		
3.	eX	04 43 37.0	Z'		
4.	eX	07 52 18.0	Z'		
5.	iP	12 33 29.0	Z	1.0	0.22
	ePP	36 28.0	Z'		
	ePPP	38 10.0	Z'		
	iS	42 52.0	N'		
	eSS	47 56.0	N'		
	eSSS	50 42.0	N'		
	(LQ)	53 20.0	N'		
	LR	57 35.0	Z'		
6.	e(P)	14 02 48.0	Z		
	i(S)	03 29.0	E		
7.	i(P)	18 52 19.0	Z		
	i(S)	52 50.5	N		
8.	i(P)	23 14 36.0	Z		
	iS	15 11.0	E		
20 AUG.					
1.	iP	03 27 18.0	Z		
2.	iP	07 09 17.5	Z	0.8	0.11
3.	i(P)	08 32 15.5	Z		
4.	iP	09 38 39.0	Z	0.8	0.29
	eP	38 39.0	Z'		
	ePP	39 33.0	Z'		
	e(PcP)	40 36.0	Z'		
	eS	43 38.0	N'		
	LQ	45 46.0	E'		
	LR	47 10.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
20 AUG.							
5.	i(P)	09	41	29.5	Z	1.0	0.20
6.	eP	12	10	36.0	Z'		
	ePcP		11	49.0	Z'		
	ePP		13	48.0	Z'		
	ePPP		15	26.0	Z'		
	eS		19	56.0	N'		
	eScS		21	52.0	E'		
	eSS		24	37.0	E'		
	G		28	28.0	E'		
	LQ		29	45.0	N'		
	LR		35	12.0	Z'		
7.	eP	23	06	32.0	Z'		
	ePcP		07	16.0	Z'		
	ePP		09	38.0	Z'		
	eS		16	12.0	N'		
	eScS		16	54.0	N' E'		
	eSS		21	14.0	E'		
	eSSS		24	50.0	E'		
	LQ		26	32.0	E'		
	LR		30	54.0	Z'		
21 AUG.							
1.	eX	01	43	14.0	Z'		
2.	eX	02	15	54.0	N'		
3.	iP	03	13	33.5	Z		
	iS		13	49.5	E		
4.	eP	05	02	51.0	Z'		
	eS		05	14.0	E'		
	LR		05	49.0	Z'		
5.	eX	06	49	31.0	Z		
6.	iP	08	26	08.5	NEZ	0.7	0.09
	iS		26	32.0	NE		
7.	e(P)	20	29	26.8	Z		
8.	eX	20	32	19.0	E		
	(LR)		33	53.0	Z'		
9.	e(P)	20	51	04.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
21 AUG.							
10.	iX	21	31	04.0	Z		
22 AUG.							
1.	iS	00	06	35.0	NE		
2.	iP	10	27	17.0	Z		
3.	iP	14	27	58.5	Z	0.8	0.13
4.	iP	14	44	55.0	Z		
	eX		47	53.0	Z'		
5.	iP	17	07	05.0	Z		
	ePP		07	48.0	Z'		
	eS		11	10.0	N'		
6.	eP	17	52	30.0	Z'		
	eS	18	01	00.0	N'		
	LQ		08	20.0	N'		
	LR		10	56.0	Z'		
7.	iP	18	24	31.0	Z		
8.	iP	20	14	33.0	Z		
	iS		14	44.5	N		
9.	iP	21	48	13.5	NEZ		
	iS		49	04.0	E		
10.	iP	23	55	07.5	Z		
	iS		56	34.0	E		
23 AUG.							
1.	iX	03	50	13.0	Z		
2.	eX	03	55	45.0	E'		
	LR		59	45.0	Z'		
3.	iP	10	53	55.8	Z		
	iS		54	18.0	NE		
4.	iP	11	49	56.0	Z		
5.	iP	18	24	09.5	NEZ	0.4	0.31
	eP		24	09.5	Z'		
	iS		25	33.0	E'		
	(LR)		26	18.0	Z'		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
23 AUG.							
6.	iP	19	06	04.0	Z	0.5	0.16
	iS		06	14.5	N		
7.	iX	20	21	59.5	N		
24 AUG.							
1.	eX	00	51	45.0	N'		
2.	i(P)	01	38	21.5	Z		
	iS		38	32.5	N		
3.	iX	02	15	23.5	E		
4.	iP	06	12	26.0	Z		
	i(S)		13	10.5	N		
5.	iP	07	00	05.6	Z	0.7	0.05
6.	eX	07	42	21.0	Z'		
	eX		46	13.0	Z'		
7.	iP	11	42	08.5	NZ		
	iS		42	11.9	NE		
8.	iP	16	07	08.8	Z	1.0	0.04
9.	iX	16	47	05.0	E		
10.	i(P)	18	16	09.0	Z		
11.	iX	20	26	28.8	N		
12.	i(P)	20	45	43.3	Z		
	iP		45	45.5	Z	0.5	0.10
13.	iX	20	46	51.0	E		
25 AUG.							
1.	iP	00	11	27.8	Z	0.8	0.01
	iS		11	32.5	N		
2.	LR	00	12	26.0	Z'		
3.	iS	01	14	21.0	N		
4.	iP	01	17	42.0	Z	0.6	0.14
	iS		17	47.0	E		
5.	iS	01	20	07.0	N		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
25 AUG.							
6.	iP	01	33	13.0	Z		
	iS		33	30.7	N		
7.	iP	01	50	29.5	Z		
	iS		50	33.0	NE		
8.	i(P)	02	23	56.0	Z		
	iS		24	01.0	E		
9.	iP	02	32	44.0	Z		
	iS		33	31.5	N		
10.	iS	02	48	26.0	N		
11.	i(P)	05	17	15.5	Z		
	iS		17	35.0	N		
12.	iP	07	01	47.0	Z		
	iS		01	52.0	NE		
13.	iS	08	32	33.5	N		
14.	iS	09	11	53.3	N		
15.	i(P)	17	27	00.0	Z		
	iS		27	05.5	N		
16.	iS	17	30	19.2	N		
17.	eX	23	51	49.0	N' E'		
	(LR)		53	55.0	Z'		
26 AUG.							
1.	i(P)	01	03	26.0	Z		
2.	iP	02	02	16.0	Z		
	iS		02	19.8	NE		
3.	i(P)	03	01	44.0	Z		
4.	LR	06	05	44.0	Z		
5.	iP	07	09	40.8	Z	0.8	0.14
	iS		09	49.0	E		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
26 AUG.							
6.	eP	09	17	07.0	Z'		
	eX		25	32.0	E'		
	(G)		32	43.0	E'		
	(IQ)		34	02.0	N'		
	IR		35	59.0	Z'		
7.	iP	11	10	29.5	Z		
	iS		10	42.5	N		
8.	eX	13	16	52.0	N'		
	(IR)		27	22.0	Z'		
9.	iP	16	09	24.0	Z		
10.	eX	16	58	10.0	Z'		
11.	eX	18	57	00.0	N'		
12.	iP	22	52	48.5	Z		
	iS		52	56.0	NE		
27 AUG.							
1.	iP	01	39	58.0	Z,Z'	1.1	0.63
	iS		42	56.0	E'		
	eX		45	27.0	E'		
2.	iP	04	38	34.5	Z,Z'	1.7	1.66
	eS		40	50.0	E'		
3.	eX	11	33	20.0	Z'		
4.	iX	13	04	51.0	Z		
5.	iP	17	11	43.5	NEZ	0.8	0.51
	iS		12	31.0	E'		
6.	i(P)	17	24	50.5	Z		
	iS		25	31.0	N		
7.	i(P)	17	40	16.0	Z		
	iS		40	57.7	N		
8.	i(P)	17	52	21.0	Z		
	iS		53	08.8	E		
9.	e(P)	18	23	18.0	Z		
	i(S)		23	58.8	N		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
27 AUG.							
10.	iX	19	37	29.0	E		
11.	iX	19	45	17.0	N		
28 AUG.							
1.	e(P)	02	15	06.0	Z		
	eP		15	09.5	Z	1.0	0.07
	eX		19	27.0	Z'		
2.	i(P)	04	14	52.7	Z		
	eX		20	14.0	E'		
	eX		23	18.0	Z'		
3.	eiP	07	41	08.5	Z,Z'	1.2	0.33
	ePP		41	59.0	Z'		
	ePP		44	29.0	Z'		
	eS		51	27.0	N'		
	G	08	02	23.0	N'		
4.	e(P)	07	58	35.0	Z		
	iS		58	51.5	E		
5.	iP	09	08	50.0	Z		
	iS		09	00.4	NE		
6.	iP	10	09	56.0	Z	1.8	1.63
	iPP		11	37.0	Z'		
	isPP		12	24.0	Z'		
	iS		15	27.0	NE,N' E'		
	esS		16	39.0	N'		
	G		18	44.0	E'		
7.	iP	10	51	27.0	Z	1.0	0.05
8.	iP	11	30	15.5	NEZ,N' E' Z'		
	iS		30	20.3	E'		
9.	iP	12	32	24.5	Z	0.5	0.01
	iS		32	31.0	N		
10.	iP	14	19	56.7	NEZ	0.5	0.34
	iS		20	03.4	N		
11.	iP	14	47	49.5	Z		
	iS		47	56.0	NE		
12.	eX	15	42	13.0	Z'		
	eX		47	12.0	E'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
28 AUG.					
13.	iP	16 03 36.0	Z		
	iS	03 42.3	E		
14.	iP	16 33 35.0	Z		
	iS	33 41.3	E		
15.	iP	17 25 56.7	Z		
	iS	26 09.5	NE		
16.	e(P)	18 51 38.0	Z		
17.	eX	18 54 45.0	Z'		
	eX	56 09.0	Z'		
18.	iP	18 57 01.0	NZ,N' Z'		
	iS	57 32.0	E'		
19.	i(P)	19 43 05.0	Z		
20	iP	20 28 22.0	Z	0.5	0.01
	iS	28 51.0	NE		
21.	i(P)	22 32 01.0	Z		
	i(S)	32 47.5	E		
22.	iP	22 34 34.0	Z'		
	eS	37 55.0	E'		
	LQ	38 30.0	E'		
	LR	39 16.0	Z'		
29 AUG.					
1.	i(P)	02 27 31.0	Z		
2.	i(P)	04 11 52.8	Z		
	iS	12 08.0	NE		
3.	eX	06 38 13.0	N'		
4.	eX	06 47 43.0	Z'		
5.	eX	08 24 55.0	Z'		
6.	iP	08 58 15.8	Z		
	iS	58 30.5	E		
7.	iP	11 46 58.5	Z		
	iS	47 23.5	E		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
29 AUG.							
8.	eX	13	34	38.0	N'		
	eX		40	40.0	E'		
	LR		55	18.0	Z'		
9.	iP	15	39	46.0	Z		
	iS		39	50.0	NE		
30 AUG.							
1.	eX	06	26	39.0	E'		
	eX		33	16.0	Z'		
2.	iX	09	07	00.5	E		
3.	i(P)	10	03	03.5	Z		
	iS		03	11.5	N		
4.	iP	12	41	13.6	NEZ		
	iS		41	31.0	N'		
5.	i(P)	18	16	12.0	N		
	i(S)		16	53.8	N		
6.	eiP	19	46	01.5	Z		
7.	eX	19	48	51.0	E'		
	LR		50	06.0	Z'		
8.	i(P)	20	32	49.0	Z'		
	iS		42	26.0	N'		
	eX		53	45.0	N'		
	LR		58	18.0	Z'		
9.	iP	23	24	14.0	Z	0.3	0.13
	iS		24	20.3	NE		
31 AUG.							
1.	eX	00	14	39.0	E'		
2.	i(P)	04	48	03.5	Z		
	iS		48	13.5	NE		
3.	e(P)	05	01	29.5	Z		
	i(S)		02	14.5	N		
4.	iP	06	51	38.0	Z		
	iS		51	42.5	NE		
5.	iP	07	44	51.0	Z		
	iS		45	00.0	NE		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
31 AUG.							
6.	eiP	08	33	40.0	Z	0.8	0.06
7.	iP	08	40	44.5	Z	1.0	0.06
8.	iS	08	53	42.0	NE		
9.	eX	09	31	43.0	Z'		
10.	iP	15	42	36.8	NEZ		
	iS		42	56.5	N'		
11.	iP	15	52	48.5	Z	0.5	0.30
	iS		53	06.5	E		
12.	eX	18	57	05.0	E'		
	eX	19	01	40.0	Z'		
	eX		04	24.0	N'		
13.	iS	19	13	04.5	N		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
1 SEP.								
	1.	iP	00	50	15.5	NEZ,Z'		
		iS		50	26.5	N'		
	2.	i(P)	02	55	46.0	Z		
		iS		55	57.5	NE		
	3.	iP	04	51	14.5	Z		
		iS		51	20.8	NE		
	4.	iP	08	32	50.0	NEZ	0.5	0.04
		iS		33	06.5	N		
	5.	iP	09	01	58.5	Z		
		iS		06	07.0	N' E'		
	6.	iP	14	21	36.0	Z'	1.3	0.13
	7.	i(P)	14	30	45.0	Z		
	8.	iP	14	35	40.5	Z	1.0	0.14
	9.	iP	18	48	07.8	Z		
		iS		48	18.0	NE		
	10.	iS	18	59	52.0	NE		
2 SEP.								
	1.	i(P)	01	05	24.8	Z		
	2.	iP	02	07	05.0	Z		
	3.	i(P)	03	49	53.0	Z		
	4.	eP	04	35	40.5	Z		
	5.	i(P)	04	52	53.5	Z		
	6.	iP	14	38	29.5	Z		
	7.	iP	17	01	49.0	Z		
	8.	iP	23	30	35.0	Z		
		iS		30	47.3	NE		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
3 SEP.					
1.	iP	04 22 49.5	Z		
	iS	23 05.0	N		
2.	iP	10 45 20.5	NZ	0.8	0.17
	i(S)	47 05.0	N'		
3.	iP	11 37 38.3	Z		
	iS	38 00.5	NE		
4.	iS	12 05 34.8	N		
5.	iP	13 53 09.5	NEZ		
	iS	53 29.0	NE		
6.	iP	17 43 54.5	Z		
	iS	44 22.0	N		
7.	iS	20 18 33.5	NE		
4 SEP					
1.	iP	04 26 39.3	NEZ	0.8	0.06
	iS	26 59.0	E		
2.	iP	04 28 20.0	NEZ	0.9	0.12
	iS	28 35.7	E		
3.	iP	04 38 56.5	NEZ	0.7	0.06
	iS	39 13.0	E		
4.	iP	05 20 25.3	Z		
	iS	20 36.2	E		
5.	iP	07 39 34.0	NEZ		
	iS	39 44.0	N'E'		
6.	eP	09 47 56.0	NEZ,Z'		
	eS	51 24.0	E'		
7.	iP	22 55 04.0	Z		
	i(S)	55 40.0	N		
5 SEP.					
1.	iP	07 01 39.0	Z	1.0	0.40
2.	iP	08 53 42.5	Z		
	iS	53 51.0	NE		

Date		Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
5 SEP.	3.	iP	12	23	44.0	Z		
		iS		24	00.5	E		
	4.	iP	18	08	09.0	Z	0.9	0.25
	5.	iP	19	19	35.0	Z		
	6.	iP	23	12	18.5	Z		
		iS		12	22.5	NE		
6 SEP.	1.	i(P)	03	33	04.0	Z		
		iS		33	21.8	N		
	2.	iP	06	18	38.0	Z		
	3.	iP	20	55	35.5	Z		
7 SEP.	1.	i(P)	04	04	01.5	Z		
	2.	iS	11	55	23.7	N		
	3.	iP	16	02	40.5	Z	1.0	0.18
8 SEP.	1.	iP	10	41	06.5	Z	0.7	0.10
	2.	iP	16	56	10.0	Z		
		iS		56	21.0	NE		
	3.	iP	17	15	33.0	Z		
		iS		16	22.0	N		
	4.	iP	21	19	28.0	N' E' Z'	2.2	3.10
	5.	iP	22	02	57.0	Z	0.8	0.18
	6.	iP	23	10	01.8	Z		
9 SEP.	1.	iP	08	30	02.0	NEZ		
		iS		30	23.0	E,E'		
	2.	iP	12	54	47.0	Z	0.5	0.05
		iS		54	58.0	E		
	3.	iS	14	04	02.5	N		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
9 SEP.							
4.	iS	15	52	07.0	NS		
5.	i(P)	16	01	01.5	Z		
	i(S)		01	23.0	N		
6.	iP	17	17	19.0	Z	0.8	0.04
	iS		17	50.0	NE		
7.	iP	18	40	43.0	Z		
	iS		41	09.5	E		
8.	iP	18	59	54.0	Z	1.0	0.08
9.	i(P)	22	00	17.5	Z	0.9	0.03
	i(S)		00	48.0	E		
10 SEP.							
1.	i(P)	01	04	38.8	Z		
	iS		05	32.0	E		
2.	i(P)	02	54	25.5	Z		
3.	iP	02	55	07.0	Z		
	iS		55	13.5	E		
4.	iP	16	12	17.0	Z		
	iS		12	32.0	NE		
11 SEP.							
1.	iP	04	01	26.0	NZ	1.0	0.17
12 SEP.							
1.	i(P)	01	17	13.5	Z		
2.	i(P)	05	07	28.0	Z		
	iS		07	38.0	N		
3.	iP	05	36	04.0	Z		
	iS		36	14.5	E		
4.	iP	07	39	12.5	Z		
	iS		39	30.5	N		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
12 SEP.					
5.	iP	11 40 01.5	Z'		
	e(PcP)	40 30.0	Z'		
	ePP	42 21.0	Z'		
	e(PPP)	43 56.0	Z'		
	iS	48 32.0	E'		
	iScS	49 59.0	N'		
	eSS	52 52.0	E'		
6.	iP	20 50 30.0	Z		
	iS	51 03.0	E'		
7.	iP	22 04 01.5	Z		
	iS	04 05.5	N		
13 SEP.					
1.	iP	00 20 23.0	NEZ	0.5	0.16
	iS	21 29.0	E		
2.	iP	23 47 24.0	Z	1.0	1.60
14 SEP.					
1.	eiP	06 50 20.0	Z	0.9	0.06
	iS	51 03.0	N		
2.	i(P)	17 06 07.0	Z		
	iS	06 21.7	E		
3.	iP	19 42 01.7	NZ	0.9	0.13
	iS	42 33.5	N		
4.	iP	19 52 54.0	Z	0.5	0.09
	iS	53 05.5	NE		
5.	iP	20 05 06.5	NZ	1.0	0.11
6.	iP	21 35 53.0	Z		
	iS	36 01.3	NE		
7.	ePKP	23 34 48.0	Z'		
	iPP	37 50.0	Z'		
	iPPP	41 13.0	Z'		
	e(P'P')	56 34.0	N'		

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
15 SEP.					
1.	iP	02 32 39.3	Z		
	iS	32 53.5	N		
2.	iP	03 37 49.2	Z		
3.	eP	04 18 33.0	Z'		
	eS	28 13.0	N' E'		
4.	iP	05 59 02.0	Z	1.0	0.17
5.	iP	06 32 19.5	Z		
	iS	32 21.9	NE		
6.	iS	07 08 01.0	NEZ		
7.	iP	07 10 57.5	NEZ		
	iS	11 00.0	NE		
8.	iP	12 19 47.5	NEZ		
	iS	19 58.5	NE		
9.	iP	13 44 43.5	NE		
	iS	44 48.2	NE		
10.	iP	17 12 20.8	Z		
11.	iP	17 26 21.0	Z	0.8	0.10
16 SEP.					
1.	iP	02 03 36.0	Z		
2.	eP	07 55 40.5	Z'		
	eS	59 52.0	E'		
3.	iP	09 23 42.5	Z		
	iS	24 40.0	NE		
4.	iP	17 30 33.7	Z		
	iS	30 43.5	E		
5.	iP	22 01 40.5	Z	0.8	0.14
	iS	02 16.5	E		

Date	Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
17 SEP.							
1.	iP	01	13	56.8	Z		
	iS		14	01.0	NE		
2.	i(P)	02	33	21.5	Z		
3.	iP	13	08	09.0	Z	0.9	0.28
	iS		08	33.0	E		
4.	i(P)	18	36	18.0	E		
5.	iP	19	31	16.0	Z	0.9	0.05
6.	iP	20	29	05.0	Z,Z'	1.0	0.06
	e(S)		39	23.0	E'		
7.	i(P)	21	16	29.0	Z		
18 SEP.							
1.	iP	13	27	03.2	Z		
	iS		27	06.1	NEZ		
2.	eP	14	20	17.0	Z'		
	eS		23	45.0	E'		
3.	iS	15	07	53.0	NEZ		
4.	iP	19	46	07.5	Z		
5.	iP	20	54	14.0	Z,Z'	1.0	0.42
	eS	21	02	38.0	E'		
6.	iP	21	48	10.5	Z		
7.	iP	22	50	16.5	Z		
	iS		50	34.2	NE		
19 SEP.							
1.	i(P)	01	26	26.0	Z		
2.	i(P)	04	57	24.5	Z	1.0	0.18
3.	e(P)	05	08	50.2	Z'		
4.	e(P)	06	12	52.0	Z		
5.	iP	07	12	30.0	Z	1.0	0.32

Date	Phase	Time (GMT)	Comp.	T_Z(sec)	A_Z(micron)
20 SEP.					
1.	iP	05 11 04.9	NZ	0.5	0.10
	iS	11 15.5	NE		
2.	iP	05 15 28.0	NZ	0.8	0.07
3.	iP	06 44 02.8	NEZ		
	iS	44 07.0	NE		
4.	iS	07 40 55.0	NE		
5.	iP	21 03 35.3	Z		
	iS	03 56.0	NE		
6.	iS	23 37 43.8	NE		
7.	eiP	23 42 26.5	Z	1.8	0.44
	eS	46 45.0	N' E'		
21 SEP.					
1.	iP	00 23 37.5	Z		
	iS	23 52.0	NE		
2.	iP	05 26 16.5	Z		
3.	i(P)	10 28 37.8	Z		
4.	i(P)	14 39 45.5	Z		
5.	iP	17 10 11.5	Z		
	iS	10 35.7	N		
6.	iP	23 56 10.5	Z		
22 SEP.					
1.	iP	03 25 58.5	Z		
	iS	26 16.7	E		
2.	iP	15 54 48.8	Z		
3.	iP	18 25 55.5	Z		
4.	eP	21 46 51.0	Z'		
	eS	56 29.0	N' E'		
	eSS	22 02 52.0	N'		

Date		Phase	Time (GMT)			Comp.	T_z(sec)	A_z(micron)
23 SEP.								
	1.	ip	01	37	01.5	Z	0.9	0.15
		eS		42	51.0	E'		
		eScS		45	51.0	E'		
	2.	iP	04	50	19.5	NEZ		
		iS		50	23.0	NE		
	3.	iP	22	19	24.0	Z		
		iS		19	27.8	NE		
24 SEP.								
	1.	iP	01	16	27.7	Z		
		iS		16	32.8	E		
	2.	iP	02	39	10.0	Z		
		iS		39	22.0	NE		
	3.	i(P)	08	54	50.5	Z		
		iS		55	03.5	E		
	4.	iP	10	11	04.8	Z		
	5.	iP	10	46	53.5	NEZ		
		iS		47	26.0	N' E' Z'		
	6.	i(P)	16	58	47.2	Z		
	7.	iP	18	34	21.6	NEZ		
	8.	iP	23	16	27.5	Z		
25 SEP.								
	1.	iP	01	45	45.5	Z		
		iS		46	32.0	N		
	2.	iP	04	11	43.8	Z		
		iS		11	50.7	NE		
	3.	e(P)	04	54	45.0	Z		
	4.	iP	06	21	24.0	Z	1.5	0.19
	5.	iP	09	08	09.5	Z	0.4	0.13
		iS		08	15.8	NE		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
25 SEP.							
6.	iP	16	39	27.8	Z		
	iS		39	43.5	N		
7.	iP	17	12	44.5	Z		
	iS		13	02.3	N		
8.	i(S)	20	09	49.0	NE		
9.	iS	20	36	35.0	NE		
10.	i(P)	22	37	04.2	Z		
	iS		37	08.5	N		
26 SEP.							
1.	iP	03	14	25.8	NEZ		
	iS		14	36.5	NE		
2.	iP	04	24	26.2	NEZ		
	iS		25	39.0	E'		
3.	i(P)	05	16	56.5	Z		
4.	i(P)	10	26	10.0	Z		
	iS		26	25.2	N		
5.	iP	15	37	11.0	NEZ		
6.	iP	18	14	39.0	Z		
	iS		15	24.0	E		
7.	iP	21	20	55.7	NEZ,Z'		
	iS		21	12.0	N'E'Z'		
27 SEP.							
1.	iP	02	54	17.5	Z		
	iS		54	33.8	N		
2.	i(P)	03	25.	21.0	Z		
	e(S)		29	44.0	E'		
3.	iS	05	34	38.0	NE		
4.	iP	06	56	15.5	Z	0.5	0.10
	iS		56	40.5	E		

Date	Phase	Time (GMT)			Comp.	T_Z(sec)	A_Z(micron)
27 SEP.							
5.	iP	17	29	27.5	Z		
	iS		29	43.8	E		
6.	eiP	17	39	33.0	Z'		
	eS		43	39.0	E'		
7.	iP	18	06	19.8	Z		
	iS		06	38.0	N		
8.	iS	18	18	36.5	NE		
9.	i(S)	18	39	57.5	E		
10.	i(P)	18	45	23.8	Z		
11.	iP	19	23	40.6	Z		
	iS		23	53.3	E		
12.	iP	19	30	41.0	Z		
	iS		30	58.5	N		
13.	i(P)	23	23	05.0	Z		
	iS		23	21.8	E		
28 SEP.							
1.	i(S)	00	16	20.5	E		
2.	i(P)	02	32	42.8	Z		
	iS		32	50.0	NE		
3.	iS	02	34	14.5	N		
4.	iP	05	01	33.5	NEZ,Z'		
5.	iP	05	18	45.0	Z		
	iS		19	03.5	E		
6.	iP	06	51	36.2	Z		
	iS		51	55.0	E		
7.	iP	11	42	49.0	Z		
	iS		43	08.5	NEZ		
8.	iP	13	31	25.8	Z		
	iS		31	46.0	NE		

Date	Phase	Time (GMT)	Comp.	T_z(sec)	A_z(micron)
28 SEP.					
9.	iP	14 05 16.0	Z,N' E' Z'		
	iS	09 20.0	N' E'		
10.	iP	14 17 11.0	NEZ		
11.	iP	16 47 52.0	N		
	iS	48 09.0	E		
12.	iP	16 58 39.0	Z		
	iS	58 55.0	E		
13.	iP	19 25 29.5	NEZ		
	iS	25 49.9	NE		
14.	iP	21 06 26.5	Z		
	iS	06 45.5	NE		
15.	i(P)	23 54 55.0	Z		
29 SEP.					
1.	iP	02 55 16.5	Z,Z'	1.1	0.14
2.	iP	05 38 58.5	Z	0.5	0.04
	iS	39 21.0	NE		
3.	iP	05 47 28.0	Z	0.5	0.03
	iS	47 37.0	NE		
4.	iP	08 58 35.8	Z		
	iS	58 53.7	E		
5.	iP	17 44 34.0	Z		
	iS	45 14.0	N		
30 SEP.					
1.	iP	06 09 14.2	Z		
2.	i(P)	08 10 52.0	Z		
	iS	10 59.0	NE		
3.	iP	15 28 44.0	Z		
	iS	29 11.8	NE		
4.	iP	19 17 46.0	Z		
	iS	17 51.0	N		