

BAGUIO CITY

1963

Baguio, January, 1963

Date	Phase	Time (GMT)		Comp.	T_z (sec)	A_z (micron)
<u>15 JAN.</u>						
1.	iP	07	20	31.0	Z	
	i(S)		20	51.5	E	
2.	iP	09	04	30.5	Z	
3.	iP	09	56	42.0	Z	2.0
	eS		57	04.5	Z	0.78
4.	iP	13	11	03.0	Z'	
	D - 950 Km. - 8.6°					
	H - 13 08 53.4					
	Lat. - 25.0°N, Long. - 122.0°E					
	h - 19 Km.					
5.	iP	14	25	44.5	NEZ	0.6
	iS		36	05.5	N	0.53
6.	iP	15	37	05.5	NEZ	0.9
						0.10
7.	iP	19	37	01.0	NEZ	1.0
	iS		37	06.5	NE	0.76
8.	iS	21	34	54.0	N'	
9.	iS	21	47	17.5	N'E'	
<u>16 JAN.</u>						
1.	iP	07	26	07.5	Z	0.8
						0.06
2.	iP	07	53	16.0	Z	
3.	iP	10	31	12.9	Z	0.5
						0.05
4.	i(P)	11	03	25.5	Z	0.8
						0.05
5.	i(P)	11	27	18.1	NEZ	0.6
	iS		27	37.5	NE	0.11
6.	iP	14	18	00.0	NEZ	
	iS		18	20.5	NE	
7.	iP	17	49	10.5	NE	
	iS		49	31.5	E	
8.	i(P)	18	16	13.0	Z	0.9
	iS		16	50.5	E	0.16
9.	iP	20	50	23.5	Z	0.6
	iS		51	04.9	E	0.07

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16 JAN.

~~✓~~ 10. iP 21 14 36.0 Z 1.0 0.18
 eS 19 14.0 E'
 D - 30.0°
 H - 21 08 36.2
 Lat. - 11.1°S, Long. - 111.5°E
 h - 64 Km.

17 JAN.

1. i(P) 02 10 48.9 Z 0.8 0.04
 2. iP 02 50 22.0 NEZ 0.5 0.12
 iS 50 26.5 NE
 3. iP 05 57 39.0 NEZ
 iS 58 11.0 N'E'
 D - 265 Km. - 2.4°
 H - 05 56 54.7
 Lat. - 14.0°N, Long. - 120.6°E
 4. iP 06 18 32.0 Z
 iS 18 51.6 NE
 5. iP 12 30 04.0 N 0.5 0.03
 iS 30 16.0 NE
 6. iP 14 25 59.0 NEZ 0.5 0.10
 iS 26 18.5 N
 7. i(P) 15 00 25.0 Z
 iS 00 36.0 E
 8. i(P) 15 49 49.0 Z
 iS 49 55.9 E
 9. iS 17 09 41.0 NEZ
 10. iP 17 40 22.1 Z 0.9 0.03
 iS 42 47.0 N
 11. iP 18 02 58.2 Z
 iS 03 57.1 N
~~✓~~ 12. iP 20 43 34.0 NEZ 1.0 0.36
 iS 45 30.0 NE
 D - 10.5°
 H - 20 41 13.5
 Lat. - 25.7°N, Long. - 125.3°E
 h - 126 Km.
 13. iP 21 25 57.5 NZ 0.6 0.24
 i(S) 26 32.5 N

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
17 JAN.					
14.	iP	21 52	Z	42.8	
	i(S)	53 24.5	NZ		
15.	iP	22 11	Z	05.6	
	i(S)	11 46.8	N		
16.	iP	22 50	Z	08.0	
	iS	50 29.0	NEZ		
17.	iP	22 55	Z	45.6	0.5
	iS	56 26.5	E		0.05
18.	eP	23 53	Z	39.0	
	iS	53 58.6	N		
18 JAN.					
1.	i(S)	00 50	NEZ	05.0	
2.	i(S)	02 44	N	01.7	
3. ✓	iP	03 16	NEZ	23.0	0.3
✓ 4. ✗	eP	03 18	Z'	23.0	0.22
5.	i(P)	06 25	Z	20.0	
	iS	25 24.0	N		
6.	iP	08 03	Z	17.0	
7.	i(P)	09 32	Z	51.6	
	iS	32 58.9	N		
8.	iS	12 47	N	57.6	
9.	i(P)	17 51	NZ	01.0	
10.	iS	19 43	N	49.5	
19 JAN.					
1.	i(P)	02 25	Z	28.0	
	iS	25 49.6	NEZ		
2.	iS	06 03	NE	25.9	
3.	iP	06 33	NEZ	10.2	0.5
	iS	33 31.5	E		0.40
4.	e(P)	09 08	NZ	52.5	0.5
	iS	09 09.5	N		0.03

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

19 JAN.

5.	i(P)	09	10	50.0	Z		
	i(S)		11	08.6	NE		
6.	i(P)	09	12	23.0	N		
	i(S)		12	41.5	NE		
7.	i(P)	10	20	07.5	Z		
	i(S)		21	24.8	N		
8.	iP	11	24	50.5	Z	0.4	0.08
	iS		25	08.5	NE		
9.	iP	12	25	27.5	Z		
	i(S)		26	15.1	N		
10.	iP	13	43	53.8	Z	0.5	0.04
	iS		44	34.0	E		
11.	iP	16	43	42.9	Z	0.8	0.11
	iS		44	11.2	N		
12.	iP	16	49	12.5	Z	0.6	0.20
	iS		49	42.1	N		
13.	iP	20	20	41.0	Z	0.5	0.04
	iS		20	55.5	NE		
14.	iP	23	04	10.5	Z	0.6	0.04
	iS		04	31.0	NE		

20 JAN.

1.	iP	00	09	25.5	Z		
	iS		09	30.0	NEZ		
2.	iS	00	15	18.3	NE		
3.	iP	05	08	17.0	Z	0.5	0.02
	iS		08	37.0	N		
4.	i(P)	06	34	35.0	Z		
	iS		34	48.4	E		
5.	iP	09	50	48.6	Z	0.5	0.02
	iS		51	10.0	NE		
6.	i(P)	11	22	05.0	E		
	iS		23	13.8	N		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
20 JAN.					
7.	i(P) iS	13 38 44.0 39 04.0	Z NE	0.5	0.02
8.	iP iS	13 48 08.5 48 55.0	NZ E	0.4	0.03
9.	iP iS	17 45 47.0 46 17.0	NZ NE	0.5	0.08
10.	iP	18 08 28.5	Z		
11.	i(P) iS	18 25 30.0 25 41.5	NEZ NEZ	0.9	0.25
12.	iP iS	19 25 12.5 25 43.0	NEZ NEZ, E'	0.9	0.03
13.	iP iS	21 24 15.0 24 36.0	NEZ E	0.5	0.05
14.	iP iS	22 50 19.8 50 40.5	Z NE		
15.	iP iS	22 57 01.0 57 20.5	NEZ E	0.6	0.13
16.	i(P)	23 31 04.0	Z	0.6	0.02
21 JAN.					
1.	iP iS	02 51 43.0 52 04.5	NEZ NE	0.5	0.08
2.	iP iS	04 03 29.1 03 50.0	Z NE		
3.	i(P) iS	04 31 44.0 32 03.5	Z E		
4.	iP	04 33 55.0	Z		
5.	iS	04 47 12.5	E		
6.	iP iS	05 40 50.0 41 17.5	NEZ NEZ	0.5	0.08
7.	iP i(S)	08 44 02.3 45 12.0	NEZ E'	0.8	0.05
8.	i(P) D - 26° H - 10 35 37.5 Lat. - 3.0°S, Long. - 136.2°E (USCGS)	10 41 10.3	Z		

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Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
21 JAN.					
9.	iP	11 10	NEZ	09.5	
	iS	10 26.0	E		
10.	iP	20 26	NEZ	12.5	
	iS	26 23.0	N'E'		
11.	iP	21 23	Z	40.5	
	iS	29 01.7	N		
12.	i(P)	23 49	Z	52.0	
	iS	50 10.5	E		
22 JAN.					
1.	iP	05 29	Z	50.5	
	i(S)	30 08.0	E		
2.	iP	06 18	Z	45.0	0.5
	iS	18 47.5	NE		0.02
3.	iP	08 07	Z	07.0	
	iS	07 29.0	N		
4.	iP	19 07	Z	37.0	0.8
	iS	08 29.0	NE		0.14
5.	iP	20 31	Z	19.0	0.5
	i(S)	31 38.5	N		0.06
23 JAN.					
1.	iP	05 24	Z	17.0	
	iS	24 37.9	NE		
2.	iP	08 42	Z	03.6	0.8
	iS	42 24.5	E		0.10
3.	iP	10 31	Z	16.0	
	iS	31 36.5	N		
24 JAN.					
1.	iS	09 29	NE	19.5	
2.	i(P)	09 33	Z	49.0	
	eS	37 17.5	NE		
3.	iP	13 22	NEZ	07.0	0.6
	iS	22 28.9	NE		0.09
4.	iP	14 19	NEZ	08.4	0.4
	iS	19 19.6	NE		0.20

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24 JAN.

5.	i(P)	19 22	26.0	N		
	eS	22	46.0	N		
6.	iP	22 30	06.0	Z	0.9	0.30
	iS	32	28.5	E'		
7.	e(P)	23 24	38.0	Z	1.0	0.06

25 JAN.

1.	eP	00 26	00.0	Z	1.0	0.12
2.	iP	09 17	14.6	Z	0.9	0.05
3.	i(P)	11 43	49.4	Z		
	iS	44	08.0	N		
4.	iP	12 54	26.0	Z	1.0	0.52
	iS	58	28.0	E'		

D - 22.5°

H - 12 49 40.9

Lat. - 21.7°N, Long. - 143.6°E

h - 190 Km.

(USCGS)

5.	iS	16 36	21.5	N		
6.	i(P)	22 27	30.5	Z		

26 JAN.

1.	iP	03 34	13.5	Z		
	iS	34	19.0	E		

27 JAN.

1.	iP	01 09	37.0	Z	0.8	0.09
	iS	11	45.8	E		

D - 11.5°

H - 01 06 50.9

Lat. - 25.5°N, Long. - 128.4°E

h - 29 Km.

(USCGS)

2.	iP	02 29	09.0	EZ	0.5	0.16
	iS	29	26.0	E		
3.	iP	13 48	34.0	EZ	0.3	0.03
	iS	48	54.5	E		
4.	i(S)	15 15	40.5	E		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
27 JAN.					
5.	iP iS	17 59 16.5 59 27.8	Z NE	0.6	0.36
6.	iP D - 38° H - 18 46 13.1 Lat. - 5.3°S, Long. - 152.3°E h - 59 Km. (USCGS)	18 53 28.0	Z'		
28 JAN.					
1.	i(P)	01 18 36.0	Z		
2.	iP e(S) D - 34° H - 04 05 31.6 Lat. - 43.7°N, Long. - 144.7°E h - 28 Km. (USCGS)	04 12 18.8 17 39.0	Z N'	1.1	0.12
3.	iP e(S) D - 34.7° H - 12 12 19.9 Lat. - 2.6°S, Long. - 149.9°E h - 32 Km, Mag. - 6.5 (USCGS)	12 19 06.9 24 35.5	Z, Z' E'	1.7	0.28
4.	iP eS D - 69° H - 13 00 48.1 Lat. - 54.7°N, Long. - 161.7°W h - 14 Km, Mag. - 6.5 (USCGS)	13 11 57.5 21 00.0	Z E'	1.0	0.30
5.	iP D - 70° H - 13 49 53.0 Lat. - 55.7°N, 163.1°W h - 33 Km. (USCGS)	14 00 43.0	Z	1.0	0.09
6.	iP iS	16 03 59.5 04 20.0	Z E		
7.	iP iS	16 06 24.0 06 43.5	Z NE		

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29 JAN.

4 ✓ 1. iP 09 29 05.5 Z 1.0 0.35
 iS 35 24.0 N'E'
 D - 43.5°
 H - 09 21 16.2
 Lat. - 49.8°N, Long. - 155.6°E
 h - 140 Km., Mag. - 6½ - 6½
 (USCGS)

2. iP 14 16 50.5 NEZ 0.7 0.21
 iS 17 12.2 NE

3. iP 20 46 17.5 Z
 iS 46 25.5 NE

4. iP 21 12 45.5 Z,N'E'Z' 1.0 1.19
 eS 16 49.0 E'
 D - 22.5°
 H - 21 07 56.1
 Lat. 12.8°N, Long. - 143.3°E
 h - 123 Km.
 (USCGS)

30 JAN.

1. iP 00 27 27.9 Z
 iS 27 48.2 E

2. iP 00 28 54.0 Z
 iS 29 14.8 N

3. iP 01 40 55.4 Z 0.5 0.06
 iS 41 16.0 NE

4. eP 04 32 50.5 Z

X ✓ 5. iP 04 51 04.0 Z 0.9 0.06
 D - 16.5°
 H - 06 08 26.1
 Lat. - 0.3°N, Long. - 123.6°E
 h - 33 Km.
 (USCGS)

6. iP 06 12 25.5 Z 1.0 0.14

7. i(P) 06 37 22.5 Z
 iS 37 54.5 N

8. e(P) 07 04 42.2 Z
 iS 05 01.5 N

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30 JAN.

9. ✓
 iPKP 10 29 30.0 Z
 iPKS 32 53.0 Z'
 i(SS) 49 47.0 N'
 D - 144.0°
 H - 10 10 03.9
 Lat. - 5.5°S, Long. - 28.3°W
 h - 33 Km., Mag. - 6½
 (USCGS)

10. ✓
 iP 10 41 23.6 Z 0.5 0.03
 D - 38.5°
 H - 10 33 59.7
 Lat. - 29.7°N, Long. - 80.6°E
 h - 59 Km.
 (USCGS)

31 JAN.

1. ✓
 e(S) 02 13 01.0 E

~~2.~~ ✓
 iP 05 09 34.0 Z, Z' 1.2 0.19
 iS 11 18.0 E'
 D - 12.3°
 H - 05 06 43.4
 Lat. - 27.1°N, Long. - 126.7°E
 h - 33 Km., Mag. - 6 - 6½
 (USCGS)

3. ✓
 iP 13 28 42.5 Z
 iS 28 53.6 E

4. ✓
 i(P) 14 13 08.9 Z 0.3 0.03
 iS 13 27.2 N

~~5.~~ ✓
 iP 15 15 22.0 NZ
 i(S) 15 37.5 N

6. ✓
 iP 19 04 35.7 Z 0.6 0.04
 iS 04 50.0 NE

7. ✓
 iP 23 20 09.0 Z 0.5 0.06
 iS 20 28.5 E

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
1 FEB.					
1.	iP	04 33	27.0	N	1.0
	iS	34	03.0	E	
2.	i(P)	10 21	28.5	Z	
	D - 22° H - 10 16 34.2 Lat. - 3.0°S, Long. - 130.9°E h - 33 Km.				
3.	iP	14 20	27.0	Z	
	iS	20	58.0	Z'	
4.	iP	22 15	58.0	Z'	
	iS	16	39.2	NE	
5.	i(P)	22 59	59.5	Z	
2 FEB.					
1.	iP	05 59	32.0	Z	
	iS	59	51.8	NE	
2.	iP	06 10	35.5	Z	
3.	iP	09 06	54.0	Z	0.7
	iS	07	00.0	NE	
4.	iP	13 13	20.8	Z	
	iS	13	56.0	E	
5.	iP	16 43	55.5	Z	
	iS	44	54.0	E, E'	
D - 3.65°, 405 Km. H - 16 43 00.7 Lat. - 19.9°N, Long. - 121.7°E h - 29 Km.					
6.	iP	23 16	32.0	Z	
	iS	17	34.5	NE	
3 FEB.					
1.	iP	04 12	52.5	NZ	
	iS	13	14.8	N	
2.	i(P)	06 14	03.0	Z	
	iS	14	17.2	N	
3.	iS	09 12	53.8	NE	
4.	iP	11 58	35.0	Z	0.7
	iS	58	55.8	NE	
0.22					

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3 FEB.					
5.	i(S)	19 44 59.0	NE		
4 FEB.					
1.	iP	04 22 46.5	Z		
	iS	23 25.5	E'		
2.	i(P)	06 32 21.5	Z		
	iS	32 54.0	E		
3.	iP	07 28 25.0	Z	1.0	0.08
4.	iP	09 21 37.0	Z		
	iS	22 00.0	E		
5.	iP	12 14 16.5	Z		
	iS	14 38.5	N		
6.	iP	15 21 17.8	NEZ		
	iS	21 24.5	N		
7.	iP	15 41 00.4	Z	0.5	0.31
	iS	42 22.0	E'Z'		
8.	i(S)	16 02 05.8	N		
9.	iP	16 17 53.5	Z		
	i(S)	19 37.3	N		
10.	iP	23 24 00.5	Z		
X 11.	iP	23 28 59.0	Z	0.9	0.33
	iS	29 24.8	N		
5 FEB.					
1.	iP	01 51 34.5	Z	0.8	0.12
	D - 16.8° H - 01 47 49.0 Lat. - 0.0°, Long. - 123.6°E h - 164 Km. (USCGS)				
2.	i(P)	05 09 39.1			
	D - 25° H - 05 04 04.1 Lat. - 19.4°N, Long. - 146.3°E h - 63 Km. (USCGS)				
3.	iP	09 32 14.5	Z		
	iS	32 30.0	E		

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5 FEB.

4. ~~IP~~ 11 12 51.0 Z
~~IS~~ 13 38.0 N
 5. ePKP 20 59 10.0 Z'
 D - 155°
 H - 20 39 20.4
 Lat. - 38.5°S, Long. - 73.5°W
 h - 33 Km., Mag. - 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$
 (USCGS)

6. IP 23 06 18.0 Z
 IS 06 48.0 E

6 FEB.

1. IP 04 04 25.0 Z
 IS 04 44.0 NE

2. IP 04 14 39.0 Z
 IS 14 58.6 E

3. IP 04 39 17.5 Z
 IS 39 56.6 N

4. IP 05 32 05.0 Z 0.7 0.10
 IS 32 24.0 NE

5. i(P) 08 22 03.5 Z
 IS 22 25.0 E

6. IP 10 08 50.3 NEZ
 IS 09 03.0 NE

7. IP 11 59 49.0 NEZ
 IS 59 59.2 E

8. IP 17 39 41.0 Z 0.9 0.17
 D - 16.8°
 H - 17 35 48.5
 h - 139 Km.
 (USCGS)

9. i(P) 18 55 13.0 Z
 IS 55 23.5 N

7 FEB.

1. i(P) 04 25 24.0 Z
 IS 25 36.0 NE

2. IP 09 43 39.0 Z 0.6 0.03

3. IP 14 48 48.5 Z

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7 FEB.

4. iP 15 47 33.0 Z

5. iP 17 37 08.0

D - 1.6°, 180 Km.

H - 17 36 41.5

Lat. - 15.0°N, Long. - 119.8°E

h - 42 Km.

(USCGS)

6. i(P) 17 45 16.0 Z

iS 45 54.0 NE

8 FEB.

1. iP 03 27 30.5 Z 0.6 0.31

iS 27 51.0 NE

2. iP 03 39 48.5 Z 0.7 0.09

3. iP 05 33 32.0 Z

iS 33 50.8 N

4. iP 14 29 09.0 NEZ

iS 29 28.5 E

5. i(P) 16 39 41.5 Z

iS 40 04.0 N

9 FEB.

1. iP 08 45 49.0 Z 1.0 0.20

~~2. iP 16 12 14.0 Z~~
~~D - 37.8°~~
~~H - 16 05 03.8~~
~~Lat. - 43.8°N, 150.5°E~~
~~h - 33 Km.~~
~~(USCGS)~~

10 FEB.

1. iP 02 48 56.5 Z

iS 49 10.0 N

2. iP 07 46 17.5 Z

iS 46 38.0 N, N'

3. iS 07 48 43.0 N

4. iP 07 52 21.0 Z

iS 52 42.0 N

5. i(P) 07 59 32.5 Z

iS 59 48.5 NE

6. iP 08 09 33.5 Z

iS 10 00.0 N

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

10 FEB.

7.	iP	08	21	43.0	Z		
	iS		22	05.5	E		
8.	iP	08	32	10.0	Z	0.8	0.09
	iS		32	30.5	N		
9.	i(P)	08	55	10.0	Z		
	iS		55	28.5	N		
10.	iS	09	56	31.5	NEZ		
11.	iP	11	48	39.0	Z		
	iS		48	59.0	N		
12.	iP	19	36	33.0	Z		
	iS		36	54.0	N		
13.	iP	21	42	47.0	Z	0.9	0.13
	D - 36.8°						
	H - 21 35 53.1						
	h - 105 Km.						
	(USCGS)						

11 FEB.

1.	iP	02	38	33.0	NZ		
	iS		38	52.8	NEZ		
5 2.	iP	02	50	18.8	N		
	iS		50	53.5	NE		
3.	iP	03	11	26.0	NZ		
	iS		11	45.8	EZ		
4.	iP	03	22	59.0	Z		
	iS		23	19.6	NE		
5.	iP	06	46	51.0	NZ	0.3	0.06
	iS		47	03.0	NE		
6.	i(P)	13	15	58.5	Z		
7.	iP	14	19	09.5	Z	0.5	0.11
	iS		19	20.5	NE		
8.	i(P)	19	09	30.0	Z		
	iS		09	51.7	N		
9.	iP	20	19	52.2	Z		
	i(S)		20	01.0	E		

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.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

12 FEB.

<u>1.</u>	iP	00	27	43.5	Z		
	i(S)		28	35.0	E	0.9	0.14
	D - 4.55° , 510 Km.						
	H - 00 26 36.8						
	Lat. - 20.9°N, Long. - 121.2°E						
	h - 33 Km.						
	(USCGS)						
2.	iP	16	05	07.0	Z		
	iS		05	27.0	E		
3.	iP		^{23.7} 28	17 39.0	Z	1.0	0.40
	D - 69°						
	H - 23 07 30.5						
	Lat. - 18.1°S, Long. - 178.4°W						
	h - 609 Km.						
	(USCGS)						

13 FEB.

<u>1.</u>	i(P)	02	12	29.0	Z		
	iS		12	44.5	N		
2.	iP	02	17	29.8	NEZ	0.5	0.10
	iS		17	47.5	NE		
3.	iS	02	34	45.5	N		
4.	iP	03	06	04.5	Z	1.0	0.08
	e(S)		07	56.0	E'		
5.	iP	06	11	53.7	Z		
	iS		12	03.8	E		
6.	iP	08	32	38.0	NEZ		
	iS		32	57.2	N		
7.	eP	08	51	58.5	Z	0.8	0.43
8.	iP	09	32	36.5	Z	1.0	0.38
	iS		34	14.6	E		
9.	i(P)	10	40	46.3	Z		
	iS		40	54.8	N		
10.	iP	10	46	12.2	Z		
	iS		46	29.8	N		
11.	iP	12	42	55.3	NEZ	0.5	0.10
	iS		43	04.5	NE		

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.....
 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

13 FEB.

~~12.~~
 eP 18 22 30.5 Z'
 e(PcP) 23 29.0 Z'
 eFP 24 25.0 Z'
 eFFP 25 23.0 Z'
 eS 29 25.0 E'
 eScS 32 24.0 E'
 eSS 33 06.5 E'Z'

D - 48.00

H - 18 13 54.9

Lat. - 9.9°S, Long. - 160.7°E

h - 30 Km., Mag. - 6½

(USCGS)

14 FEB.

NO RECORD

15 FEB.

1. i(P) 03 08 27.0 N-
 iS 08 49.0 E
 2. i(P) 15 49 56.0 E
 iS 50 18.0 N
 3. iP 19 39 36.8 NE
 iS 39 41.2 NE

16 FEB.

~~1.~~ i(P) 05 47 18.0 Z
 2. iP 08 33 41.5 Z
 D - 7.23°, 800 Km.
 H - 08 31 53.9
 Lat. - 9.5°N, Long. - 122.6°E
 h - 59 Km.
 (USCGS)

3. e(P) 08 41 29.0 Z
 D - 69°
 H - 08 31 17.0
 Lat. - 17.8°N, Long. - 178.6°W
 h - 528 Km.
 (USCGS)

4. iP 09 32 25.5 Z
 iS 32 45.6 NE

~~5.~~ iP 10 50 50.0 Z' 0.8 0.13
 D - 23.5°
 H - 10 46 24.8
 Lat. - 7.0°S, Long. - 117.4°E
 h - 606 Km.
 (USCGS)

Baguio, February, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
16 FEB.					
6.	iP	17 11	56.0	Z	
	iS	12	18.0	E	
17 FEB.					
1.	iP	02 33	35.5	NEZ	0.9
	i(S)	35	03.0	E	0.43
	D - 80 H - 02 31 38.1 Lat. - 24.2°N, Long. - 122.6°E h - 17 Km. (USCGS)				
2.	e(P)	07 53	20.0	Z	
3.	iS	08 30	50.0	N	
4.	iP	10 42	18.0	Z	
	iS	42	37.5	E	
5.	eP	13 46	41.5	Z	
6.	iP	13 55	11.5	Z	0.9
					0.20
7.	iP	17 32	40.0	Z	
	iS	33	01.5	NE	
8.	iP	18 00	07.2	Z	
	iS	00	28.6	E	
9.	iP	21 59	10.0	Z	
18 FEB.					
1.	i(P)	02 12	09.5	Z	
2.	iS	02 19	15.5	N	
3.	iP	03 02	57.5	Z	
	iS	03	17.3	NE	
4.	i(P)	07 10	26.5	Z	
	D - 80 H - 07 08 26.1 Lat. - 24.2°N, Long. - 122.3°E (USCGS)				
5.	i(P)	09 29	17.0	Z	
6.	iP	11 08	19.0	NEZ	
	iS	08	37.5	E	
7.	iP	14 31	38.5	Z	

Baguio, February, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
18 FEB.					
8.	i(P)	15 44	13.0	Z	
9.	iP	16 41	03.8	Z	
	iS	41	33.5	E	
10.	iP	17 47	18.8	Z	
	iS	47	40.0	NE	
19 FEB.					
1.	iP	07 54	19.0	Z	
	iS	54	40.8	E	
2.	iS	11 40	50.0	N	
3.	iP	15 33	01.0	Z	
4.	iP	15 42	17.0	Z	
	iS	42	36.5	NE	
5.	iP	20 47	06.0	Z	
6.	iP	22 30	11.5	Z	0.8
	D - 9.2° H - 22 28 19.7 Lat. - 23.7°N, Long. - 123.1°E h - 102 Km. (USCGS)				
20 FEB.					
1.	i(P)	03 48	58.5	Z	
2.	i(P)	07 49	11.5	Z	
3.	iP	13 02	28.0	Z	
4.	iP	16 51	20.8	Z	0.8
	D - 28° H - 16 45 51.0 Lat. - 38.8°N, Long. - 139.0°E h - 176 Km. (USCGS)				
5.	iP	18 57	40.5	Z	
	iS	57	43.0	NE	
6.	eP	19 42	29.2	Z	
	D - 8° H - 19 40 28.4 Lat. - 24.6°N, Long. - 122.0°E h - 18 Km. (USCGS)				

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.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

21 FEB.

1.	i(P)	06	14	26.5	Z		
	iS		14	49.9	E		
2.	iP	07	56	14.0	Z		
	iS		56	34.2	E		
3.	iP	10	48	29.5	Z		
	iS		48	50.0	E		
4.	iP	12	28	05.0	Z	1.0	0.08
5.	iP	17	05	48.2	Z		
	iS		06	10.0	N'E'		

22 FEB.

1.	e(P)	07	21	31.5	Z		
2.	iP	07	50	04.0	Z		
	iS		50	14.5	NE		
3.	iP	08	09	07.5	Z	1.0	0.12
4.	iP	14	07	25.5	Z		
	iS		07	40.0	E		
5.	iP	16	18	55.5	Z		
	iS		19	17.0	NE		
6.	iP	19	38	51.5	Z		
	iS		39	10.5	NE		
7.	iP	20	37	10.0	Z		
	iS		37	38.0	NE		
8.	iP	23	19	33.8	Z		
	iS		19	54.5	NE		

23 FEB.

1.	iP	16	00	32.2	Z		
	iS		00	42.0	E		
2.	iP	17	12	32.0	Z	0.8	0.16
3.	iP	21	28	34.0	Z		
	iS		29	19.0	E		
4.	iP	21	29	29.5	Z		
	iS		29	44.5	NE		

24 FEB.

1.	iP	02	13	52.0	Z		
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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

24 FEB.

2.	iP	02 31	43.0	Z		
	iS	32	06.0	NE		
3.	iP	02 51	27.0	Z		
	iS	51	50.0	E		
4.	iP	04 44	03.3	Z		
5.	i(P)	05 57	56.5	Z		
	iS	58	11.2	E		
6.	i(P)	06 46	33.3	Z		
7.	iP	08 54	18.0	Z		
	iS	54	32.0	NE		
8.	iP	10 58	44.5	Z	1.0	0.25
	iS	59	02.5	E		
9.	iP	11 30	56.5	Z		
	iS	31	12.8	N		
10.	iP	22 44	15.5	Z		
	iS	44	23.0	N		

25 FEB.

1. iP 04 50 29.0 NEZ
 i(S) 51 11.5 E'
 D - 2.6°
 H - 04 49 50.1
 Lat. - 15.0°N, Long. - 122.8°E
 h - 46 Km.
 (USCGS)

2. eP 09 12 52.0 Z'
 iS 14 48.0 E'
 D - 6.1° , 680 Km.
 H - 09 11 24.7
 Lat. - 10.5°N, Long. - 122.0°E
 h - 53 Km.
 (USCGS)

3. iP 10 32 20.0 Z
 iS 32 28.0 E

4. iP 17 13 02.5 NZ, Z'
 i(S) 14 34.0 E'

5. iP 19 22 40.0 Z
 i(S) 23 35.0 E'
 D - 3.5° , 395 Km.
 H - 19 21 47.5
 Lat. - 19.5°N, Long. - 122.4°E
 (USCGS)

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Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)
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25 FEB.

6. i(P) 21 26 35.0 Z
~~7.~~ iP 23 46 37.0 NEZ
 iS 46 52.0 E
 D - 135 Km.
 H - 23 45 16.6
 Lat. - 15.5°N, Long. - 121.4°E
 h - 30 Km.
 (USCGS)

26 FEB.

1. iP 00 38 15.8 Z
 2. iS 07 26 48.0 NE
 3. iS 07 31 18.0 E
 4. i(P) 14 54 27.0 Z
 5. i(P) 15 00 04.5 Z
 iS 41 37.2 E
~~7.~~ iP 20 20 43.0 NEZ, N'E'Z'
 iS 26 00.0 NE, N'
 eScS 30 48.2 E'
 D - 35°
 Lat. - 7.5°S, Long. - 146.2°E
 h - 171 Km., Mag. - 7.1
 (USCGS)

8. iP 22 52 06.2 Z
 iS 52 34.5 E

27 FEB.

1. iP 04 24 53.0 Z 1.0 0.16
~~2.~~ eP 04 37 00.0 Z' 0.8 0.14
 esPP 39 13.0 Z'
 eS 42 46.0 N'
 D - 36°
 Lat. - 6.0°S, Long. - 149.4°E
 h - 52 Km., Mag. - 5.2
 (USCGS)

3. i(P) 09 04 06.5 Z
 iS 04 36.0 E

4. iP 09 28 07.5 Z
 iS 28 43.5 N

~~5.~~ e(P) 20 37 07.0 Z'
 eS 42 08.0 E'
 D -

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

27 FEB.

5. D - 390
 H - 20 28 31.6
 Lat. - 4.7°S, Long. - 153.1°E
 h - 66 Km.
 (USCGS)

28 FEB.

1.	iP	02	36	43.0	Z		
	iS		37	05.0	N		
2.	iP	06	21	04.5	Z	0.9	0.07
3.	iS	11	20	35.5	NE		
4.	iS	15	05	21.0	NE		
5.	iP	16	29	47.8	NZ		
	iS		30	08.6	E		

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

1 MAR.

1.	iP	02 37	50.5	Z	1.0	0.16
2.	iP	04 57	12.2	Z	0.5	0.21
	iS	57	34.2	N		
3.	i(P)	10 52	19.5	Z	0.7	0.03
4.	iP	13 17	09.2	Z		
	iS	17	12.0	NE		
5.	iP	14 09	58.3	Z		
6.	iP	14 12	43.0	Z		
	i(S)	13	14.0	E		
7.	iP	21 33	06.8	Z		
	iS	33	23.4	N		
8.	iP	23 29	14.7	Z		
	iS	29	35.6	NE		

2 MAR.

1.	iP	02 47	03.0	Z		
	iS	47	22.0	N		
2.	iP	05 42	14.1	NEZ	0.7	0.72
	iS	42	36.4	NE		
3.	iP	05 47	49.0	EZ, Z'	0.9	0.78
	iS	48	12.0	NE		
4.	iP	06 42	21.0	Z		
	iS	42	43.5	NE		
5.	iP	08 53	32.0	Z	0.8	0.06
	iS	54	07.0	NE		
6.	iP	09 33	30.5	Z	0.9	0.03
	e(S)	39	36.0	E'		
7.	iP	15 27	45.5	Z	0.3	0.02
	iS	28	07.0	N		
8.	iP	16 08	54.5	NEZ	0.6	0.11
	e(S)	10	32.0	E'		

D - 925 Km., 8.3°

H - 16 06 56.0

Lat. - 10.0°N, Long. - 125.9°E

h - 83 Km.

(USCGS)

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Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

2 MAR.

9.	iS	16 28	14.4	NE		
10.	iP	16 40	37.4	Z		
	iS	40	59.0	N		
11.	i(P)	17 21	16.8	Z		
12.	iP	17 29	39.0	NZ	0.5	0.06
	D - 8.4° , 925 Km. H - 17 27 39.5 Lat. - 10.0°N, Long. - 126.1°E h - 79 Km. (USCGS)					
13.	iP	18 05	52.8	Z		
14.	iP	18 13	44.1	Z		
	iS	13	47.8	NE		
15.	iS	21 11	23.4	E		
16.	iP	21 24	27.0	Z		
	iS	25	08.0	N		

3 MAR. NO RECORDS

4 MAR.

<u>1.</u>	eP	11 10	19.6	Z		
	eS	10	31.5	NE		
2.	iP	13 40	41.0	NZ, N'E'Z'	2.0	1.8
	iS	42	11.0	E'		
	D - 8° H - 13 38 42.5 Lat. - 24.5°N, Long. - 121.8°E h - 33 Km. (USCGS)					
3.	e(P)	14 45	07.0	Z		
4.	iP	15 22	51.5	Z	1.0	0.08
5.	iP	15 54	59.0	Z, Z'		
	D - 15° H - 15 51 32.9 Lat. - 1.2°N, Long. - 121.6°E h - 133 Km (USCGS)					
6.	eP	16 03	20.0	Z	0.8	0.06

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Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
4 MAR.					
7.	e(P)	16 17 43.4	Z		
8.	iP	18 58 32.0	Z		
	iS	58 57.6	NE		
9.	iP	19 14 05.4	Z	0.9	0.05
10.	e(P)	19 40 35.0	Z		
	iS	41 22.0	E		
11.	iP	21 59 48.0	Z	0.8	0.02
12.	iP	23 01 47.3	Z	0.5	0.01
5 MAR.					
1.	eP	04 59 31.5	Z		
	D - 20.5°				
	H - 04 54 50				
	Lat. - 11.0°N, Long. - 140.8°E				
	h - 33 Km.				
	(USCGS)				
2.	i(S)	07 25 19.5	NZ		
3.	iP	09 22 30.5	Z	1.0	0.08
4.	iP	13 04 06.0	NZ		
	iS	04 19.5	E		
5.	eP	14 47 04.0	Z	0.8	0.03
	i(S)	47 22.5	N		
6.	iP	15 41 05.9	Z		
	iS	41 37.0	NE		
7.	iP	18 20 41.0	Z		
	iS	21 09.5	E		
8.	e(P)	21 19 20.6	Z		
	e(S)	22 16.0	E		
	D - 22°				
	H - 21 14 20.9				
	Lat. - 33.6°N, Long. - 104.5°E				
	h - 57 Km.				
	(USCGS)				
6 MAR.					
1.	iP	03 26 58.8	Z		
	iS	27 18.5	E		
2.	eP	04 04 06.6	Z		
3.	iP	04 41 31.8	Z	1.0	0.08

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

6 MAR.

4.	iP	05	16	10.0	NZ		
	iS		16	25.0	N		
5.	eP	07	04	27.3	Z		
6.	i(P)	08	10	06.3	Z		
7.	eP	09	26	30.5	Z		
	iS		26	54.0	E		
8.	iP	21	02	01.8	Z		
	iS		02	20.2	E		

7 MAR.

1.	iS	02	33	07.5	E		
2.	e(P)	03	50	26.3	Z		
3.	PKP	05	41	23.0	Z'		
	ePP		43	16.0	Z'		
	eSS		06	00	33.0	Z'	

D - 1300
 H - 05 22 01.3
 Lat. - 26.8°S, Long. - 113.4°W
 h - 33 Km., Mag. - 6 3/4
 (USCGS)

4.	iP	09	47	26.0	Z		
	iS		47	37.3	NE		
5.	e(P)	10	51	21.2	Z		
6.	iP	12	36	09.4	Z	1.5	0.22
7.	iP	14	12	57.5	Z		
	iS		13	12.5	N		
8.	iP	15	06	13.5	Z	0.9	0.15
	iS		06	55.5	E		
9.	iP	21	41	31.8	Z	0.6	0.06
	iS		42	07.0	NE		
10.	eP	21	57	55.5	Z		
	iS		58	19.0	N		

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Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
8 MAR.					
1.	1P	02 54 ✓ 35.5	Z	1.1	0.12
2.	eP 1S	03 24 51.5 25 00.3	Z E		
3.	1P	03 35 04.0	Z		
4.	1P 1S	03 35 42.1 35 59.5	NZ NE		
5.	1P	03 43 07.4	Z, Z'		
6.	1P 1S	04 24 31.8 24 39.5	Z NE		
7.	1P 1S	06 03 38.5 03 45.1	Z H		
8.	1(E) 1(S)	08 34 09.4 34 54.0	Z E		
9.	1P 1S	13 39 19.6 39 26.2	NEZ H	0.5	0.14
10.	e(P)	15 25 ✓ 43.0	Z'		
11.	e(P)	22 46 13.5	Z	0.6	0.03
9 MAR.					
1.	1P 1S	03 03 46.8 04 23.0	Z E	0.7	0.06
2.	1P	05 29 08.9	Z		
	D - 9.30, 1035 Km. H - 05 26 52 Lat. - 9.00N, Long. - 126.30E h - 33 Km. (USCGS)				
3.	1P	06 51 ✓ 12.5	Z	0.7	0.04
4.	1P eS	16 30 13.0 35 31.0	Z, Z' N'	0.8	0.05
	D - 33.50 H - 16 23 43.5 Lat. - 3.20S, Long. - 147.10E h - 33 Km. (USCGS)				
5.	e(P)	16 58 51.8	NZ		
	D - 10.50, 1170 Km. H - 16 56 23.1 Lat. - 6.50N, Long. - 123.80E h - 136 Km. (USCGS)				

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

9 MAR.

6.	e(P) IS	18 31 27.3 31 33.4	Z NE		
7.	iP eS D - 33.5° H - 18 55 48.5 Lat. - 3.3°S, Long. - 147.1°E h - 33 Km. (USCGS)	19 02 21.3 07 38.0	Z, Z' N'		
8.	IS	19 45 36.8	N		
9.	i(P)	21 18 45.0	Z		
10.	iP	22 54 12.0	Z	1.0	0.16

10 MAR.

1.	iP	00 58 37.0	Z		
2.	iP D - 57.5° H - 01 19 36.6 Lat. - 15.2°S, Long. - 167.4°E h - 132 Km. (USCGS)	01 29 02.0	Z	1.0	0.64
3.	iP D - 72.5° H - 01 26 03.7 Lat. - 56.3°N, Long. - 153.6°W h - 29 Km., Mag. - 5 (USCGS)	01 37 38.0	Z, Z' N'	1.0	0.08
4.	IS	02 32 05.5	NE		
5.	iP IS D - 8° H - 02 53 33.2 Lat. - 24.6°N, 122.1°E - Long. h - 33 Km., Mag. - 5½ - 5 3/4 (PAL) (USCGS)	02 55 33.4 57 06.4	Z, N'E'Z' N'	1.4	0.86
6.	iP IS	02 57 12.5 57 25.8	Z N		
7.	i(P) IS	03 11 01.0 11 11.0	Z E		

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Date	Phase	Time (GMT)		Comp.	T_z (sec)	A_z (micron)
10 MAR.						
8.	e(P)	08	04	32.0	Z	
9.	iP	09	50	04.0	Z	
	iS		50	41.3	E	
10.	iP	11	33	32.5	NZ	0.6
	iS		33	48.4	E	0.14
11.	e(P)	11	56	28.0	Z	
	D - 29°					
	H - 11 50 26.9					
	Lat. - 39.3°N, Long. - 141.7°E					
	h - 69 Km.					
	(USCGS)					
12.	iP	13	54	38.3	Z, Z'	0.9
	e(S)		57	32.0	E'	0.20
	D - 16°					
	H - 13 51 05.4					
	Lat. - 2.4°N, Long. - 126.8°E					
	h - 55 Km.					
	(USCGS)					
11 MAR.						
1.	iP	07	02	57.0	Z	0.5
	iS		03	21.5	E	0.01
2.	iP	07	39	36.1	Z	1.0
3.	iP	09	12	51.8	Z	0.9
4.	i(P)	09	46	59.6	N	
	e(S)		47	19.0	N	
5.	eP	10	36	04.0	Z	0.8
6.	iP	13	44	38.5	NEZ, Z'	0.6
	iS		45	01.9	E	0.40
7.	iP	14	15	27.5	Z	0.6
	iS		15	51.6	N	0.03
8.	e(P)	14	26	29.5	Z	0.6
	iS		26	36.8	NE	0.04
9.	eP	15	53	29.0	Z	
	iS		53	52.7	N	
10.	iP	15	59	37.5	NZ	
	iS	16	00	02.0	E, N'	

Baguio, March, 1963

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
<u>11 MAR.</u>					
11.	iP	16 29 29.0	Z	0.6	0.03
	iS	29 58.5	E		
12.	i(P)	19 24 28.0	N		
	iS	25 14.5	NE		
13.	e(P)	20 39 44.5	Z	0.5	0.01
	e(S)	41 17.5	E		
<u>12 MAR.</u>					
1.	iP	05 31 21.0	Z	0.3	0.03
	i(S)	32 11.1	N		
2.	iP	08 14 30.6	Z		
3.	e(P)	10 46 50.6	Z		
	e(S)	47 17.0	N		
4.	e(P)	11 37 17.3	Z		
	e(S)	37 28.9	N		
5.	iP	14 42 04.1	Z		
	eS	42 33.0	E		
6.	iP	20 24 42.0	Z	0.9	0.16
7.	iP	20 47 57.5	Z	1.0	0.10
<u>13 MAR.</u>					
1.	iP	01 31 35.5	Z	1.0	0.13
2.	eP	02 26 06.9	Z	1.1	0.14
3.	iP	04 07 20.3	EZ		
	iS	07 25.7	E		
4.	i(P)	04 13 56.5	Z	0.4	0.02
	iS	14 02.0	N		
5.	e(P)	04 45 50.5	Z		
6.	iS	05 20 15.4	N		
7.	iP	09 46 51.8	Z		
8.	i(P)	14 06 25.0	Z		
9.	eP	17 08 15.5	Z	0.8	0.07
	iS	08 29.8	NE		

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

14 MAR.

1.	e(S)	02 24	27.5	N		
2.	iS	07 14	11.0	E		
3.	i(S)	07 45	06.3	N		
4.	iP	08 00	53.8	NEZ, Z'		
	iS	01 07	07.0	N'		
5.	e(P)	09 58	38.8	Z		
	i(S)	59	01.5	N		
6.	iS	10 02	00.3	E		
7.	iP	14 30	26.7	Z		
	iS	30	46.8	N		
8.	iS	16 29	09.8	NE		

15 MAR.

1.	iP	00 08	41.5	NZ	1.0	0.30
	eS	12	32.0	E, E'		
	D - 53°					
	H - 00 03 50.5					
	Lat. - 4.8°S, Long. - 129.4°E					
2.	iP	00 18	19.3	Z, N'		
	D - 10.1° , 1125 Km.					
	H - 00 15 53					
	Lat. - 8.3°N, Long. - 126.7°E					
	h - 44 Km.					
	(USCGS)					
3.	eP	09 55	50.1	Z		
4.	iP	10 54	21.1	NZ, N'Z'		
	iS	54	36.0	N'E'		
	D - 122 Km., 1.1°					
	H - 10 54 02.3					
	Lat. - 17.4°N, Long. - 120.1°E					
	h - 68 Km.					
	(USCGS)					
5.	i(P)	11 03	34.0	Z	0.6	0.05
	iS	04	09.9	N		
6.	iP	11 05	09.6	Z	0.8	0.20
	iS	05	25.5	N		
7.	e(P)	11 07	55.8	Z		
	eS	08	01.5	N		

Bugala, March, 1963

Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
15 MAR.					
8.	1P	11 09 02.0	Z		
9.	i(S)	11 12 04.8	E		
10.	1P	11 15 31.8	Z	0.7	0.05
	1S	15 50.6	E		
11.	e(P)	11 17 49.5	N	0.8	0.06
	1S	17 58.0	N		
12.	e(P)	11 37 40.0	Z	0.5	0.03
13.	1P	11 54 03.7	NEZ		
14.	1P	12 01 09.3	Z		
	1S	01 28.4	E		
15.	1S	12 12 29.5	NE		
16.	e(P)	12 34 02.8	Z		
17.	1S	12 34 20.0	E		
18.	i(S)	12 40 44.0	E		
19.	1S	12 44 51.9	E		
20.	1P	12 53 14.0	NE	0.4	0.03
	1S	53 16.2	NE		
21.	e(P)	13 19 21.0	Z	0.5	0.02
22.	1P	14 25 50.5	NE		
	1S	26 07.0	N'		
23.	1P	14 32 31.0	NE	0.5	0.09
	1S	32 49.6	N		
24.	1P	14 33 58.0	Z	1.0	0.22
	1S	34 17.5	NE		
25.	e(P)	14 55 55.0	Z		
26.	i(P)	14 58 09.9	Z		
	1S	58 25.3	N		
27.	1S	16 56 34.5	N		
28.	e(S)	17 00 55.2	E		
29.	1P	19 04 39.5	Z	0.8	0.03
	1S	04 50.9	E		

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

16 MAR.

1.	iP	03	01	31.5	Z	0.5	0.05
	iS		01	48.5	NE		
2.	iS	05	27	43.6	E		
3.	iP	05	46	18.1	Z	0.6	0.08
	iS		46	35.2	N		
4.	iS	06	31	04.8	N		
5.	i(S)	06	54	00.7	N		
6.	iP	08	52	34.3	Z	1.0	0.59
	iS		58	47.0	N		
7.	i(S)	10	10	13.6	E		
8.	iP	11	05	33.0	Z	0.5	0.31
	iS		05	37.3	NE		
9.	i(S)	14	40	27.0	N		
10.	iP	16	28	37.0	Z	0.5	0.10
	iS		28	47.3	NE		
11.	iS	17	23	12.9	E		
12.	e(P)	22	37	31.8	Z	0.8	0.04
13.	i(S)	23	11	25.6	E		
14.	iP	23	46	05.8	NZ		
	iS		46	19.6	N		

17 MAR.

1.	i(P)	00	10	53.0	Z		
	iS		11	07.5	NE		
2.	iP	01	36	19.1	Z	0.7	0.04
3.	i(P)	03	08	11.8	Z	0.9	0.03
4.	i(S)	03	13	43.4	N		
5.	i(S)	06	53	06.9	E		
6.	iS	07	07	42.5	E		
7.	iS	18	49	11.7	NE		
8.	iP	18	56	37.0	NZ	0.5	0.12
	iS		56	44.5	NE		

Baguio, March, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
18 MAR.					
1.	iS	05 20	40.3	NE	
2.	iS	05 29	50.8	E	
3.	iS	05 35	19.0	N	
4.	i(S)	09 51	05.6	N	
5.	i(S)	11 44	39.5	N	
6.	eP	15 14	33.6	Z	0.5
	i(S)	15 15	12.0	E	0.04
7.	eP	16 43	59.3	Z	0.7
	iS	16 44	16.8	N	0.06
8.	iP	18 36	24.5	Z	1.0
	iS	18 36	45.6	E	0.30
19 MAR.					
1.	e(P)	05 16	11.8	Z	1.0
	D - 25° H - 05 11 08.5 Lat. - 18.8°N, Long. - 145.3°E h - 260 Km. (USCGS)				
2.	iP	13 33	12.5	Z,Z'	0.8
3.	e(P)	13 55	27.0	E	
	iS	13 55	53.8	NE	
4.	e(P)	14 52	23.0	Z'	1.0
5.	e(P)	18 16	44.0	Z	1.0
6.	eP	19 10	29.6	Z	0.9
	D - 1120 Km. H - 19 08 08 Lat. - 8.3°N, Long. - 126.6°E h - 106 Km. (USCGS)				
20 MAR.					
1.	iP	01 24	10.6	NZ	0.5
	iS	01 04	29.3	E	0.10
2.	e(P)	03 54	32.5	Z	0.5
	iS	03 54	39.8	N	0.01
3.	iP	04 53	17.5	NZ	1.0
	D - 69.5° H - 04 43 14.0				

Baglio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_g(sec) : A_g(micron)

21 MAR.

5.	1P	08	01	37.0	NEE		
	1S		01	59.3			
6.	1P	08	56	04.0	Z, Z'	0.5	0.09
	1S		57	13.5			
7.	1P	09	47	46.3	NEE		
	1S		48	08.3			
8.	e(P)	13	57	48.0	Z		
	i(S)		58	09.9			
9.	1P	14	57	27.5	Z	0.7	0.03
	1S		58	10.5			
10.	1P	19	17	37.8	Z	0.7	0.04
	1S		17	41.7			
11.	i(S)	19	18	28.3	NEE		
12.	1P	20	16	34.9	Z	0.5	0.08
	1S		18	51.0			

22 MAR.

1.	eS	03	54	46.3	NEE		
2.	eP	04	04	24.8	Z	0.6	0.03
3.	1S	07	12	43.5	E		
4.	e(P)	09	39	30.6	Z	0.6	0.02
5.	i(P)	18	13	03.7	E		

23

MAR.							
1.	1P	02	32	23.8	Z		
	1S		32	56.5			
2.	e(P)	10	17	02.0	Z	0.5	0.01
	1S		17	13.5			
3.	1P	12	37	19.0	Z	0.5	0.04
	1S		37	30.0			
4.	e(P)	12	49	19.7	Z	0.5	0.02
	i(S)		49	43.2			
5.	1P	15	14	34.6	Z	0.5	0.03
	1S		15	02.8			

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

23 MAR.

6. eP 21 27 49.0 Z 1.0 0.11
 eS 32 09.0 N'Z'
 D - 22.5°
 H - 21 23 00
 Lat. - 2.4°S, Long. - 133.6°E
 h - 140 Km.
 (USCGS)

7. iP 22 16 37.0 Z 0.5 0.02
 iS 14 44.0 E

8. 1(P) 23 17 02.0 Z

24 MAR.

~~1.~~ eP 02 12 42.0 N'Z' 0.9 0.10
 e(PPP) 13 45.0 Z'
 iS 17 08.0 N'
 D - 26°
 H - 02 07 09.4
 Lat. - 9.7°S, Long. - 120.5°E
 h - 12 Km., Mag. - 6 $\frac{1}{4}$
 (USCGS)

2. e(P) 02 54 50.0 Z
 iS 54 53.0 N

3. iP 07 22 54.0 Z 0.7 0.06
 iS 23 21.0 E

~~4.~~ iP 09 45 30.0 NEZ, N'Z' 1.5 0.81
 eS 47 50.0 N'
 D - 9° , 1000 Km.
 H - 09 43 21.2
 Lat. - 9.0°N, Long. - 125.7°E
 h - 68 Km.
 (USCGS)

5. iP 12 10 31.6 Z 0.7 0.05
 D - 34°
 H - 12 04 15
 Lat. - 44.8°N, Long. - 141.3°E
 h - 234 Km.
 (USCGS)

~~6.~~ eP 12 54 55.0 Z 0.9 0.10
 eS 13 03 46.0 E'
 D - 67.5°
 H - 12 44 00.5
 Lat. - 34.3°N, Long. - 47.8°E
 h - 10 Km., Mag. - ~~4~~ 5 $\frac{1}{2}$ - 5 $\frac{3}{4}$ (PAL)
 (USCGS)

Baguio, March, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
24 MAR.					
7.	1P	18 43 03.6	NEZ	0.6	0.31
	1S	43 32.5	N		
8.	1S	19 27 34.9	N		
9.	1P	21 45 22.6	Z	1.0	0.27
	D - 59.50 H - 21 35 23.2 Lat. - 5.1°N, Long. - 178.1°W h - 47 Km., Mag. - 6 (USCGS)				
25 MAR.					
1.	1P	03 55 42.0	NEZ		
	1S	56 08.0	E'		
	D - 178 Km. H - 03 55 18 Lat. - 17.8°N, Long. - 121.4°E h - 31 Km. (USCGS)				
2.	1P	04 09 22.0	Z		
	1S	09 41.9	NE		
3.	1P	05 06 25.0	Z	0.5	0.09
	1S	06 46.1	N		
4.	1P	05 09 25.6	Z	0.3	0.05
5.	1P	05 14 27.6	Z	0.6	0.03
	1S	14 47.0	E		
6.	1P	08 09 33.5	NEZ		
	1S	10 04.0	N'		
	D - 204 Km. H - 08 08 53.0 Lat. - 14.6°N, Long. - 120.5°E h - 75 Km. (USCGS)				
7.	1P	13 44 44.0	Z	0.8	0.05
	1S	44 58.3	NE		
8.	e(P)	14 30 26.2	Z		
	e(S)	30 44.6	N		
9.	1P	15 34 35.1	Z	0.5	0.02
	1S	34 53.0	NE		
10.	e(P)	15 54 50.0	Z		
	1S	55 15.0	N		
11.	1P	16 37 17.0	Z	0.9	0.07
12.	e(P)	19 01 21.0	EZ		
13.	e(P)	19 59 37.5	Z		
	i(S)	59 57.6	N		

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

25 MAR.

14.	IP	21	00	33.6	NZ		
	IS		01	01.0	N		
15.	eP	22	52	08.5	Z, Z'	1.0	0.63
	IS		56	56.0	N'E'		
	D - 29°						
	H - 22 46 16.7						
	Lat. - 0.8°N, Long. - 96.6°E						
	h - 37 Km.						
	(USGS)						

16.	IP	22	59	52.0	Z	0.5	0.02
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26 MAR.

1.	IP	03	27	40.6	Z	0.7	0.05
	IS		28	08.5	N		
2.	IP	04	32	25.1	Z	0.5	0.02
	IS		32	45.3	E		
3.	IP	08	00	59.5	Z		
	IS		01	10.5	NE		
4.	eP	09	59	57.0	EZ, Z'	1.2	0.35
	IS	10	09	46.0	E'		
	ISS	14	42.0	Z'			
	D - 75°						
	H - 09 48 20.3						
	Lat. - 29.7°S, Long. - 177.9°W						
	h - 48 Km., Mag. 6 3/4 - 7						

5.	IP	12	06	58.6	Z		
	IS		07	13.3	E		

6.	e(S)	12	16	21.5	E		
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7.	IP	13	36	40.0	Z, Z'	1.0	0.20
	IS		46	20.0	E'		
	iScS		47	02.0	E'		
	eSS		51	30.0	Z'		
	D - 75°						
	H - 13 25 01.2						
	Lat. - 29.9°S, Long. - 178.0°W						
	h - 40 Km., Mag. 7 1/4						

8.	e(P)	18	12	03.5	Z		
	IS		12	25.0	N		

9.	IP	19	54	35.2	Z	0.9	0.27
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Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

~~26 MAR.~~
~~10.~~

iP 21 39 49.0 Z
 iPP 40 18.0 Z'
 iS 44 06.0 E'
 D - 24°
 H - 21 34 38.5
 Lat. - 35.9°N, Long. - 135.7°E
 h - 16 Km., Mag. - 6½
 (USCGS)

11. iP 23 57 05.6 Z 0.6 0.03
 iS 58 44.0 E

27 MAR.

1. iP 03 22 38.0 NEZ 0.7 0.20
 iS 22 51.0 NE

2. eP 03 33 01.5 Z 1.0 0.06

3. eP 04 18 22.7 Z 0.9 0.04

4. iP 06 54 32.0 Z,Z' 1.0 0.14

D - 24°
 H - 06 49 23
 Lat. - 35.6°N, Long. - 135.8°E
 h - 33 Km.
 (USCGS)

5. i(P) 08 07 23.5 Z 0.6 0.04

6. iP 09 08 50.5 Z 0.6 0.04
 iS 09 07.5 NE

7. iP 10 06 11.0 Z 0.6 0.04
 iS 06 45.0 E

8. iP 11 24 06.0 Z 0.5 0.04
 iS 24 17.6 NE

9. eP 16 18 27.5 Z 0.8 0.03

10. eP 18 10 11.9 Z,Z' 0.6 0.03

11. eP 19 03 17.9 Z 0.4 0.02
 i(S) 03 45.6 N

12. iP 20 28 36.2 Z 0.3 0.03
 iS 28 56.2 NE

13. e(P) 20 33 12.0 Z 0.8 0.02

14. eP 20 55 01.0 Z
 iS 55 22.9 N

Baguio, March, 1963

Date	Phase	Time (GMT)		Comp.	T_z (sec)	A_z (micron)	
27 MAR.							
15.	e(S)	21	00	21.5	N		
16.	iP	21	54	43.8	Z	0.8	0.05
28 MAR.							
1.	iS	07	30	58.1	NE		
2.	eP	09	55	06.5	Z	0.8	0.03
3.	iP	10	50	56.3	Z		
	iS		51	00.0	NE		
4.	iP	11	24	09.2	Z, Z'	1.2	0.11
5.	iS	15	11	11.5	E		
6.	iP	15	14	01.0	NZ	0.6	0.11
	i(S)		16	22.0	E'		
	H - 15 12 05.3, D - 925 Kms. Lat. - 10.2°N, Long. - 126.0°E h - 87 Km.						
7.	iP	17	13	48.0	NEZ	0.6	0.08
8.	iP	19	54	55.5	NEZ, N'E'Z'		
	iS		55	16.0	N'		
9.	eP	21	03	18.5	Z	0.4	0.02
10.	iP	21	52	53.6	Z	0.6	0.04
	i(S)		53	14.2	E		
11.	iP	23	24	53.6	NZ	0.5	0.21
	iS		25	13.0	E		
12.	eP	23	40	50.0	Z'		
	D - 75° H - 23 29 15.1 Lat. - 29.6°S, Long. - 177.7°W h - 62 Km. (USCGS)						
29 MAR.							
1.	eP	04	03	06.0	Z		
	iS		03	23.5	E		
2.	eP	04	27	47.5	Z		
	iS		28	08.3	E		
3.	iP	06	13	55.7	Z	0.8	0.14
4.	e(P)	07	17	19.5	Z	0.5	0.02

Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

29 MAR.

5.	iP	07 27	06.8	NEZ	0.8	0.19
	iS	27 25.4	N			
6.	eP	14 27	22.5	Z	0.7	0.04
	eS	27 48.7	E'			

30 MAR.

1.	eP	02 03	14.0	Z	1.0	0.86
	iSP	03 51.0	Z'			
	iS	11 10.5	N'E'			

D - 59.5°
 H - 01 53 28.5
 Lat. - 19.1°S , Long. - 169°E
 h - 156 Km., Mag. - $5\frac{1}{2}$ - $5\frac{3}{4}$ (PAL)

2.	eP	05 26.5	20.5	Z	0.9	0.07
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3.	e(P)	07 56	56.4	Z		
	iS	57 07.2	E			

4.	eP	08 05	09.0	Z	0.5	0.02
	i(S)	05 36.8	E			

5.	eIP	16 58	56.8	Z, Z'		
	iS	17 04	33.0	E'		

D - 36°
 H - 16 51 59.1
 Lat. - 44.1°N , Long. - 148.0°E
 h - 61 Km., Mag. - $5\frac{1}{4}$ - $5\frac{1}{2}$ (PAL)

31 MAR.

1.	e(P)	01 18	48.0	Z	1.0	0.07
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2.	e(P)	04 39	57.0	Z		
	iS	40 01.0	NE			

3.	e(P)	05 05	52.0	Z'		
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4.	eP	05 42	26.0	Z, Z'	1.4	0.56
	ePP	45 26.0	Z'			
	ePPP	46 50.0	E'			
	eS	53 15.0	N'			
	eSS	56 46.0	N'			

D - 75°
 H - 05 30 49.8
 Lat. - 29.9°S , Long. - 177.9°W
 h - 55 Km., Mag. - $6\frac{1}{4}$ - $6\frac{1}{2}$

5.	i(S)	06 14	49.0	N		
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Baguio, March, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (Sec) : A_z (micron)

Date	Phase	Time (GMT)	Comp.	T_z (Sec)	A_z (micron)
31 MAR. 6.	eP	07 14	Z, Z'	32.1	0.5
	eS	19	E'	51.0	0.07
D - 36° H - 07 07 35.7 Lat. - 6.1°S, Long. - 149.1°E h - 55 Km., Mag. - 6½ (USCGS)					
7.	eP	07 57	Z	15.5	0.5
	iS	57	N	46.6	0.09
8.	iP	09 21	Z	31.4	0.2
	iS	21	N	47.5	0.30
9.	iP	17 34	Z, Z'	46.5	1.1
	eSP	35	Z'	45.0	0.22
	eS	39	E'	34.0	
D - 29° H - 17 28 52.1 Lat. - 0.7°N, Long. - 96.6°E h - 33 Km. (USCGS)					
10.	iP	17 42	Z	07.2	0.7
11.	eP	18 18	Z	46.5	1.0
12.	i(S)	18 47	E	31.9	
13.	eP	19 34	Z'	30.0	1.0
	ePP	37	Z'	33.0	0.24
	e(S)	44	E'	06.0	
	eSSS	52	Z'	12.0	
D - 75.3° H - 19 22 51.5 Lat. - 30.1°S, Long. - 178.2°W h - 39 Km., Mag. - 6½-6½ (USCGS)					
14.	eP	21 11	Z	25.0	
	iS	11	E	56.0	
15.	iS	21 59	E	49.7	

Baguio, April, 1907

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)	
1 APR.						
1.	iP	02 26	56.2	Z		
2.	i(P)	03 52	39.5	Z		
3.	e(P)	03 58	23.5	Z		
4.	e(P)	04 36	15.0	Z'		
	eS	40	00.0	E'		
5.	iP	04 50	00.0	Z	1.0	0.28
6.	iP	08 21	21.0	Z		
	iS	21	37.0	NE		
7.	iP	09 00	08.3	Z		
8.	i(P)	09 31	48.0	Z		
9.	iP	09 44	52.2	Z		
	iS	44	54.5	E		
10.	iP	19 21	51.0	Z		
	iS	22	02.2	E		
2 APR.						
1.	iS	03 38	59.7	E		
2.	i(S)	03 51	48.9	E		
3.	e(P)	03 58	34.0	Z		
	iS	58	46.2	NE		
4.	e(P)	04 55	10.0	Z'		
5.	iP	05 38	49.7	Z	1.0	0.72
6.	eP	07 07	54.8	Z	0.5	0.03
	iS	08	14.7	E		
7.	iP	07 29	25.5	Z	0.8	0.03
	i(S)	29	56.0	N		
8.	e(P)	09 33	35.6	Z		
	iS	33	45.5	E		
9.	iP	12 56	09.0	NEZ, N'E'Z'		
	iS	56	34.5	N'		
10.	iP	16 29	12.2	Z	0.9	0.62
	D - 63° H - 16 18 55.3 Lat. - 53.1°N, Long. - 171.7°W h - 140 Kms., Mag. - 6½ - 6½ (USCGS)					
3 APR.						
1.	iP	11 58	49.5	Z		
	iS	59	29.0	N'		
	D - 2.75°, 305 Kms. H - 11 58 07.2 Lat. - 19.1°N, Long. - 121.2°E (USCGS)					

Baguio, April, 1963

Date	Phase	Time (GMT)	Comp.	T_Z (sec)	A_Z (micron)		
3 APR.							
2.	iP	12 21		02.0	EZ		
	iS	21		09.5	E		
3.	iP	17 14		41.8	Z		
4.	iP	18 00		40.0	EZ		
	iS	00		48.5	E		
5.	iP	20 50		06.0	EZ		
	iS	50		26.0	E		
4 APR.							
1.	iP	12 03		11.8	Z	0.6	0.16
	iS	03		18.5	E		
2.	iP	13 44		34.5	Z	0.7	0.30
	i(S)	45		25.5	E		
D - 4.7° , 525 Kms. H-13 43 24.5 Lat. - 21.1°N, Long. 121.0°E h - 27 Kms. (USCGS)							
3.	i(P)	23 53		44.5	Z		
5 APR.							
1.	i(P)	00 07		39.0	Z		
2.	iP	00 10		22.0	Z		
	iS	10		36.2	E		
3.	iP	05 29		21.5	Z		
	iS	30		54.9	E		
4.	iP	06 55		24.5	Z	0.8	0.09
	D - 27.5° H - 06 50 03.1 Lat. - 1.6°S, Long. - 95.5°E h - 215 Kms. (USCGS)						
6 APR.							
1.	eP	02 39		02.5	Z		
	D - 10.5° H - 02 35 28 Lat. - 1.5°N, Long. - 125.3°E h - 107 Kms. (USCGS)						
2.	i(P)	05 43		55.5	Z		
	iS	44		08.0	N		

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

6 APR.

3.	iP	08 27	18.2	Z		
	iS	27	38.5	E		
4.	iP	09 26	43.0	Z		
	iS	27	01.0	E		
5.	eP	11 31	03.0	Z		
6.	i(P)	12 37	01.5	Z		
7.	iP	17 28	51.5	Z		
	iS	29	11.0	NE		
8.	i(P)	21 42	30.5	Z		
	eS	48	20.0	N'E'		
	D - 36.5°					
	Lat. - 6.1°S, Long. - 149.8°E					
	H - 21 35 22.5					
	h - 65 Kms.					
	(USCGS)					
9.	i(P)	23 49	42.0	Z		

7 APR.

NO RECORDS

8 APR.

1.	i(P)	05 00	10.0	Z		
	iS	00	25.8	E		
2.	iP	05 07	23.0	Z	0.5	0.03
	iS	07	39.0	E		
3.	i(P)	05 27	21.6	Z		
	iS	27	50.5	E		
4.	iP	06 30	09.5	Z	0.9	0.27
	D - 24.5°					
	H - 06 24 55.9					
	Lat. - 5.7°S, Long. - 130.2°E					
	h - 76 Kms.					
	(USCGS)					
5.	i(P)	08 29	56.5	Z		
	iS	30	09.0	E		
6.	eP	20 08	43.0	Z	0.9	0.06
	i(S)	09	48.5	E		
7.	iS	23 41	05.4	NE		

9 APR.

1.	i(P)	08 15	44.5	Z		
	iS	16	08.5	E		
2.	iP	18 43	27.0	Z		
	D - 6.25°, 695 Kms.					
	H - 18 41 54.6					
	Lat. - 10.5°N, Long. 122.6°E					
	h - 58 Kms.					
	(USCGS)					

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

10 APR.

✓ 1. eP 07 56 02.0 Z'
 eS 08 00 48.0 N'
 D - 260
 H - 07 50 29.4
 Lat. - 9.1°S, Long. - 125.1°E
 h - 33 Kms.
 (USCGS)

2. iP 08 56 40.5 Z
 iS 57 13.0 E
 3. iP 10 12 46.0 Z
 iS 13 03.0 E
 4. iP 11 45 05.5 Z

11 APR.

1. iP 03 02 37.5 Z
 2. iP 05 11 10.7 Z
 iS 11 13.0 NE
 3. iP 05 35 10.5 Z
 iS 35 45.2 E
 4. iP 08 15 27.0 Z
 5. i(P) 09 38 47.0 Z
 6. i(P) 22 29 00.0 Z

12 APR.

1. i(P) 06 35 22.5 Z 0.7 0.03

13 APR.

1. ~~i(P)~~ 02 27 19.0 Z
~~iS~~ 27 33.3 N
 2. iP 02 31 22.8 Z 0.5 0.03
 i(S) 31 31.8 E

✓ 3. e(PKP) 02 40 43.8 Z
 e(FP) 45 52.0 Z'
 D - 1620
 H - 02 20 57.9
 Lat. - 6.3°S, Long. - 76.7°W
 h - 125 Kms., Mag. 6 3/4 - 7
 (USCGS)

4. iP 10 59 53.9 Z 0.3 0.04
 iS 11 00 10.3 N

Baguio, April, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

13 APR.

5. *+* *✓* iP 14 36 39.0 Z 1.2 0.72
e(PcP) 39 04.0 Z'
iS 42 21.5 N'

D - 25°

H - 14 31 25.5

Lat. - 3.4°S, Long. - 135.6°E

h - 69 Kms.

(USCGS)

6. i(P) 15 45 47.6 Z

D - 25°

H - 15 40 29

Lat. - 3.5°S, Long. - 135.7°E

(USCGS) h - 61 kms.

14 APR.

1. iP 02 01 34.0 NEZ

2. e(F) 05 44 14.5 Z

3. iP 06 51 33.0 Z

iS 51 51.9 E

4. iP 10 21 38.5 NEZ

iS 21 56.5 N

5. eP 13 21 42.0 Z 1.8 0.52

D - 40°

H - 13 14 25.6

Lat. - 5.3°S, Long. - 153.8°E

h - 165 Kms.

(USCGS)

6. iP 15 10 44.5 NEZ

7. eP 19 03 24.5 Z

D - 22.5°

H - 18 58 24.0

Lat. - 29.4°N, Long. - 139.6°E

h - 33 Kms.

(USCGS)

8. e(P) 20 57 50.0 Z

9. iP 21 07 56.5 Z

iS 08 08.5 E

10. iP 23 59 14.5 Z

iS 59 26.0 NE

Baguio, April, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

15 APR.

1.	i(P) i(S)	05	44 45	51.0 33.5	Z E		
2.	e(P) iS	05	47 47	02.3 20.0	Z E		
3.	iP iS	08	36 37	43.5 02.3	NEZ E	0.6	0.36
4.	eP eS	15	06 10	05.8 06.5	Z E	0.9	0.06
5.	i(P)	15	10	54.0	Z		
6.	iP iS	16	42 42	02.7 04.8	Z E	0.5	0.03
7.	eP eS	20	23 27	41.3 15.0	Z N'	0.8	0.07

D - 18.5°

H - 20 19 29.5

Lat. - 0.8°S, Long. - 128.0°E

h - 106 Kms.

(USCGS)

16 APR.

1.	iP	02	10	22.0	Z		
2.	iP	02	14	35.0	Z		
3.	iP	02	21	02.5	Z	1.0	0.28
4.	iP	02	24	36.5	Z		
5.	iP	02	30	54.0	Z		
6.	iP	02	55	15.5	Z		
7.	iP	03	03	02.5	Z		
8.	iP	03	36	44.0	Z		
9.	iP	03	50	52.2	Z		
10.	i(P)	04	01	31.5	Z		
11.	iP	04	08	27.0	Z		
12.	i(P)	04	14	33.5	Z		
13.	i(P)	04	36	25.0	Z		

Baguio, April, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)
.....

16 APR.

✓ 14. i(P) 05 23 00.0 Z
15. i(P) 05 35 17.5 Z
16. iP 06 32 08.5 Z
17. iP 07 26 30.5 NEZ
iS 26 48.0 N
18. iP 07 45 26.5 Z
19. iP 09 14 50.5 Z 1.0 0.28
eS 18 28.0 E'

D - 18.50
H - 09 10 29.9
Lat. - 0.9°S, Long. - 128.6°E
h - 39 Kms.
(USCGS)

✓ 20. iP 12 08 00.3 Z
eS 11 28.0 N'

D - 18.70
H - 12 03 44.4
Lat. - 1.1°S, Long. - 127.4°E
h - 50 Kms.
(USCGS)

21. iP 18 24 36.0 Z
22. iP 19 03 12.5 NEZ
iS 03 42.8 E
23. ✓ iP 19 05 14.0 Z
e(S) 08 49.0 E'

17 APR.

1. iP 03 21 24.5 Z 0.5 0.07
iS 21 45.5 NE
2. iP 04 07 30.8 Z
3. iP 16 18 33.0 Z
iS 18 44.0 NE
4. i(P) 17 08 22.5 Z
5. i(P) 18 00 08.3 Z

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

17 APR.

6. iP 21 18 24.0 Z
 iS 18 36.0 NE
 7. iS 22 10 43.7 NE

18 APR.

1. iP 02 02 18.8 Z 0.9 0.13
 2. e(P) 02 09 58.0 Z
 3. i(P) 02 15 21.0 Z
 iS 15 23.9 N
 4. iP 02 41 32.8 Z
 D - 18.5°
 H - 02 37 21.0
 Lat. - 0.9°S, Long. - 128.2°E
 h - 114 Kms.
 (USCGS)
 5. i(P) 02 53 24.7 Z 0.8 0.03
 6. iP 11 19 10.0 Z
 iS 19 44.2 E
 7. eP 11 26 23.0 Z 0.9 0.07
 8. iP 13 42 00.0 Z
 iS 42 19.8 N
 9. iP 18 21 36.0 Z
 D - 8.5°
 H - 18 19 34.4
 Lat. - 24.5°N, Long. - 122.1°E
 h - 10 Kms.
 (USCGS)
 10. e(P) 18 31 00.5 Z 0.7 0.02
 11. iP 22 05 34.5 Z 0.8 0.11
 D - 19.0°
 H - 22 01 07.7
 Lat. - 1.3°S, Long. - 128.8°E
 h - 33 Kms.
 (USCGS)
 12. i(P) 22 07 50.0 Z 1.0 0.08
 13. eiP 22 14 18.5 Z 1.1 0.47
 eS 17 58.0 E'
 D - 19.5°
 H - 22 09 53.9
 Lat. - 1.7°S, Long. - 128.1°E
 h - 33 Kms.
 (USCGS)

Baguio, April, 1963

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
18 APR.					
14.	iP	22 21 38.5	Z	0.8	0.06
19 APR.					
1.	i(P) iS	02 37 57.0 38 02.8	N E		
2.	i(P) D - 26.5° H - 03 47 22.7 Lat. - 9.8°S, Long. - 120.5°E h - 33 Kms. (USCGS)	03 53 03.5	Z		
3.	iP iS	07 38 44.0 38 55.0	Z NE		
4. ✓	iP eS D - 29° H - 07 36 22.7 Lat. - 35.7°N, Long. 96.9°E h - 33 Kms., Mag. - 7-7½ (PAL) (USCGS)	07 41 17.0 46 05.0	Z, Z' N'		
5.	iP	09 12 18.0	Z		
6.	iP iS	11 09 18.8 09 27.8	NEZ N		
7.	iP iS	14 15 20.0 15 23.0	Z E		
8.	iP	14 18 14.0	Z		
9.	iP iS D - 19° H - 16 28 58.4 Lat. - 1.3°S, Long. -129.0°E h - 87 Kms. (USCGS)	16 33 19.5 37 04.0	Z N'E'	0.9	0.25
10.	iP iS	16 53 25.0 53 35.9	Z NEZ		
11.	i(P)	18 35 32.0	Z		
12.	iP	18 38 33.0	Z	1.0	0.08
13.	iS	18 48 36.5	E		
14.	iP	19 01 22.5	Z		

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

19 APR.

15. iP 20 29 47.0 Z

 16. iP 20 46 01.0 Z
 eS 49 40.0 E

H - 20 41 30, D - 19°
 Lat. - 1.3°S, Long. - 129.0°E
 h - 4 Kms.
 (USCGS)

17. iP 23 38 53.5 Z

20 APR.

 1. iP 12 41 46.0 Z
 iS 42 27.0 N

 2. iP 12 52 19.0 Z
 iS 52 32.2 E

 3. iP 20 24 42.8 Z
 iS 24 56.0 E

21 APR.

1. iS 01 59 20.2 E

2. iP 04 40 13.2 Z

D - 8.3°
 H - 04 38 21.7
 Lat. - 24.2°N, Long. - 122.3°E
 h - 35 Kms.
 (USCGS)

3. iP 05 28 33.2 Z

4. i(P) 09 20 04.5 Z

D - 12.8°
 H - 09 17 04.6
 Lat. - 26.5°N, Long. - 128.7°E
 h - 37 Kms.
 (USCGS)

5. iP 09 43 09.0 Z

 6. eP 10 44 59.0 Z
 e(S) 50 14.0 E

D - 33°
 H - 10 38 30.2
 Lat. - 3.2°S, Long. - 146.9°E
 h - 33 Kms.
 (USCGS)

7. iP 11 54 50.8 Z

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

21 APR.

8. iP 13 07 54.5 Z
 D - 24.3°
 H - 13 02 39.0
 Lat. - 35.3°N, Long. - 137.8°E
 h - 20 Kms.
 (USCGS)

9. iS 13 44 56.0 NE

10. iP 21 22 21.0 Z
 D - 18.5°
 H - 21 17 58
 Lat. - 0.9°S, Long. - 128.1°E
 h - 33 Kms.
 (USCGS)

11. iP 21 29 33.5 Z

12. iP 23 21 21.0 Z
 D - 19.5°
 H - 23 16 50.5
 Lat. - 1.5°S, Long. - 128.7°E
 h - 33 Kms.
 (USCGS)

22 APR.

1. iS 00 00 40.0 NE

2. iP 00 12 11.0 Z
 iS 12 40.5 E

3. iP 05 55 41.8 HZ 0.4 0.15
 iS 55 55.5 E

4. eP 08 37 48.0 Z
 D - 39.5°
 H - 08 30 31.2
 Lat. - 5.1°S, Long. - 154.0°E
 h - 138 Kms.
 (USCGS)

23 APR.

1. eiP 02 57 53.0 Z 1.2 0.22
 D - 33.5°
 H - 02 51 15.8
 Lat. - 46.7°N, Long. - 103.5°E
 h - 33 Kms.
 (USCGS)

2. iP 06 24 19.9 Z
 iS 24 43.0 E

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

23 APR.

✓ 3. ✗

eP 09 59 58.0 Z,Z'
 eS 10 03 54.0 E'
 D - 22°
 H - 09 55 06.9
 Lat. - 25.7°N, Long-99.5°E
 h - 30 Kms.
 (USCGS)

4.

iP 11 38 40.0 Z
 iS 40 39.0 E'
 D - 13.8°
 H - 11 37 03.9
 Lat. - 12.1°N, Long. - 125.8°E
 h - 33 Kms.
 (USCGS)

5.

iP 02 56 02.5 Z
 iS 14 18.2 E
 1.2 0.17

24 APR.

✓ 1.

iP 02 56 02.5 Z
 eS 59 47.2 NE
 1.2 0.17

2.

iS 05 30 49.0 NEZ

✓ 3. ✗

iP 13 35 12.5 Z

4.

iP 21 27 01.0 Z
 iS 27 24.8 E

✓ 5. ✗

iP 21 53 02.0 Z
 0.9 0.17

25 APR.

✓ 1. ✓

iP 08 15 34.0 Z
 iS 17 50.0 E'
 D - 12.3°
 H 09 12 52.5
 Lat. - 4.6°N, Long. - 122.5°E
 h - 550 Kms.
 (USCGS)

✓ 2. ✗

e(P) 08 26 39.5 E'

3.

iP 10 01 42.5 Z,Z'
 iS 01 54.5 E'

✓ 4. ✗

iP 11 24 27.3 Z
 D - 23.7°
 H - 11 19 20.8
 Lat. - 31.8°N, Long. - 140.4°E
 h - 67 Kms.
 (USCGS)
 1.0 0.09

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

25 APR.

5. iP 13 09 25.0 Z'
 iS 09 52.0 N'E'
 6. ✓/X eiP 16 40 22.0 Z,Z'
 eS 43 57.0 E' 1.3 0.85
 D - 19.3°
 H - 16 35 54.2
 Lat. - 1.4°S, Long. - 128.8°E
 h - 15 Kms.
 (USCGS)

7. i(P) 17 35 23.5 Z

8. i(P) 17 50 14.7 Z
 D - 9.1° , 1012 Kms.
 H - 17 48 02.0
 Lat. - 9.8°N, Long. - 126.9°E
 h - 40 Kms.
 (USCGS)

9. i(P) 19 52 36.3 Z

10. iP 20 36 16.5 Z
 iS 36 28.0 NEZ

26 APR.

1. iP 08 13 57.0 Z
 iS 14 18.3 NEZ

2. iP 11 48 41.5 Z
 iS 48 43.5 NE

3. iP 13 12 28.0 Z

4. ✓/X iP 23 46 53.5 Z
 D - 8°
 H - 23 44 56.7
 Lat. - 24.0°N, Long. - 122.5°E
 h - 2 Kms.
 (USCGS)

27 APR.

1. iP 03 30 13.5 Z 0.7 0.05
 iS 30 27.0 N

2. ✓/X eP 08 47 18.2 Z,N'Z'
 e(PP) 47 49.0 Z'
 iS 50 47.0 E' 1.3 0.39

D - 19°
 H - 06 42 58.1
 Lat. - 0.9°S, Long. - 120.4°E
 h - 27 Kms., Mag. - 5 $\frac{1}{4}$ - 5 $\frac{1}{2}$ (PAL)
 (USCGS)

Baguio, April, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
27 APR.					
3.	iP	11 13 24.0	Z	0.8	0.08
	iS	15 52.0	N,E'		
	D - 13.8°				
	H - 11 10 19.7				
	Lat. - 3.3°N, Long. - 124.3°E				
	h - 336 Kms.				
	(USCGS)				
4.	iP	16 25 05.0	Z	0.7	0.17
	iS	25 28.5	E		
5.	eP	22 09 29.5	Z	0.6	0.05
	i(S)	09 53.3	E		
28 APR.					
1.	eP	01 55 30.8	Z	1.2	0.40
	eS	59 04.0	E'		
	D - 19°				
	H - 01 55 05.2				
	Lat. - 1.1°S, Long - 128.6°E				
	h - 12 Kms.				
	(USCGS)				
2.	iP	04 36 32.5	Z		
3.	iP	04 08 55.2	Z		
4.	iP	04 39 44.5	Z		
5.	iP	04 45 46.0	Z		
		45 58.0	E		
6.	iP	05 35 11.5	Z		
	iS	35 23.5	N		
7.	iP	08 19 02.5	Z		
8.	iS	08 50 04.5	N		
9.	iP	13 16 06.3	Z		
	iS	16 17.8	E		
10.	iP	14 26 20.5	Z		
11.	eP	17 32 43.0	Z	1.0	0.14
	D - 18.8°				
	H - 17 28 20				
	Lat. - 0.6°S, Long. - 128.5°E				
	h - 33 Kms.				
	(USCGS)				
12.	i(P)	18 42 12.2	Z		

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

29 APR.

1. iP 05 05 24.8 Z
 D - 80
 H - 05 03 26.1
 Lat. -24.3°N, Long. - 122.3°E
 h - 15 Kms.
 (USCGS)

2. ✓ eP 15 04 26.0 Z'
 e(S) 15 12.0 N'
 D - 85.5°
 H - 14 51 52.3
 Lat. - 64.0°S, Long. - 159.2°E
 h - 33 Kms.
 (USCGS)

3. iP 17 39 20.2 NEZ
 iS 39 23.5 NEZ

4. iP 17 40 38.2 NEZ
 iS 40 41.5 NEZ

5. iP 18 26 48.5 NEZ
 iS 26 51.8 NEZ

6. ✓ eP 21 54 01.0 Z'
 ePP 56 12.0 Z'
 eS 22 01 59.0 N'E'
 D - 57.7°
 H - 21 44 17.2
 Lat. - 51.3°N, Long. - 178.7°E
 h - 56 Kms., Mag. - 6
 (USCGS)

30 APR.

1. iP 01 32 07.4 Z 1.5 0.24

2. eP 02 37 29.8 Z 1.0 0.15
 D - 10.9° , 1212 Kms.
 H - 02 34 53.7
 Lat. - 7.4°N, Long. - 126.7°E
 h - 33 Kms.
 (USCGS)

3. ✓ iP 03 35 48.5 Z 0.8 0.03

4. iP 08 46 04.7 Z 0.3 0.05
 iS 46 24.8 N

5. iS 10 07 11.5 NE

Baguio, April, 1963

Date	Phase	Time (GMT)			Comp.	T_z (sec)	A_z (micron)
30 APR.							
6.	e(P)	11	57	49.0	Z	1.2	0.09
7.	iP	14	15	24.5	Z		
	iS		15	33.0	E		
8.	iS	15	37	00.3	E		

Bag. May, 1963

Date	Phase	Time (GMT)			Comp.	T_Z (sec)	A_Z (micron)
1 MAY							
1.	e(P)	06	17	40.5	Z		
2.	eIP	07	27	23.0	NZ	1.0	0.90
	iS		27	57.0	N'		
3.	eP	10	13	06.0	Z	1.0	0.82
	iSP		13	48.0	Z'		
	ipPP		15	48.0	Z'		
	iS		21	05.0	N'E'		
	D - 59.5°						
	H - 10 03 20.2						
	Lat. - 19.0°S, Long. - 168.9°E						
	h - 142 Kms., Mag. - 7						
	(USGS)						
4.	iS	12	05	39.0	N		
5.	iP	12	09	20.5	Z	0.5	0.02
	iS		09	25.6	NE		
6.	iP	18	45	19.7	NEZ	0.5	0.06
	iS		45	22.0	NE		
2 MAY							
1.	i(S)	02	08	41.8	E		
2.	iP	03	14	46.0	NZ	0.5	0.05
3.	e(P)	03	53	17.3	Z		
	iS		53	21.6	NE		
4.	iP	07	30	04.0	Z	0.2	0.08
	iS		30	15.5	N		
5.	iS	10	24	59.3	E		
6.	eP	18	26	35.0	Z	0.7	0.03
3 MAY							
1.	eP	00	25	06.5	Z		
	iS		25	52.4	N		
2.	eP	03	19	01.7	Z	0.8	0.10
	i(S)		19	42.6	E		
3.	eP	08	42	05.2	Z	0.7	0.04
4.	e(P)	10	23	20.5	Z	0.7	0.02

Bag. May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

3 MAY

3 5. ✓
 eP 11 06 11.0 Z
 D - 72.8°
 H - 10 54 44.7
 Lat. - 15.2°S, Long. - 173.2°W
 h - 47 Kms.
 (USCGS)

6. eP 14 52 00.5 Z
 iS 52 18.0 E

7. i(S) 21 18 48.0 N

8. iP 21 20 20.5 Z 0.4 0.03
 iS 20 45.1 E

4 MAY

1. eP 05 42 09.0 Z
 e(S) 42 56.1 E

2. ✓
 e(P) 06 06 21.6 Z

3. iS 08 29 21.8 N

4. iS 08 33 24.4 E

5. iP 13 16 15.9 Z 0.5 0.04
 iS 16 34.5 NE

6. eS 14 27 02.1 N

7. eP 15 49 20.0 Z
 iS 49 50.5 NE

8. eP 19 12 39.0 Z
 iS 12 43.7 NE

9. iP 21 28 15.0 Z 0.5 0.04
 iS 28 27.0 E

10. e(P) 22 14 15.0 Z 0.5 0.02

5 MAY

1. iS 04 05 50.8 E

2. e(P) 04 11 32.7 Z

3. iP 07 09 22.0 Z
 iS 09 40.3 NE

4. eP 08 03 28.5 Z 0.6 0.02

Bag. May, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
5 MAY					
5	iP	08 35 22.0	Z	0.4	0.10
	iS	35 26.5	E		
6.	e(P)	08 44 03.2	Z	0.3	0.03
7.	e(P)	11 09 15.0	Z	0.6	0.02
8.	iP	13 18 15.8	NZ	0.6	0.05
	iS	18 40.6	NE		
9.	iP	16 05 05.0	Z	0.3	0.13
	iS	05 22.8	E		
10.	eP	17 23 14.6	Z	1.0	0.04
11.	eP	19 51 59.0	Z		
12.	iP	22 02 42.8	Z	0.8	0.03
6 MAY					
1.	iP	02 08 36.5	Z	0.5	0.08
	iS	08 48.5	E		
2.	eP	02 26 26.0	EZ	0.5	0.03
	eS	26 43.3	E		
3.	e(S)	04 12 18.2	E		
4.	e(P)	05 58 50.9	Z	0.7	0.02
5.	e(P)	07 43 13.5	Z	0.3	0.03
	iS	43 18.0	E		
6.	iS	07 59 39.8	E		
7.	iS	08 34 27.0	E		
8.	eP	08 44 06.4	Z		
	D - 27° H - 08 38 32.1 Lat. - 9.2°S, Long. - 112.4°E h - 80 Kms. (USCGS)				
9.	eP	10 41 58.0	Z		
	iS	42 12.3	E		
10.	iS	14 41 39.5	EZ		
11.	e(P)	16 24 37.5	Z		
	i(S)	25 05.0	E		

Bag. May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

7 MAY

1.	iP	04	51	02.2	Z	0.6	0.10
	i(S)		51	21.5	E		
2.	i(S)	08	35	34.9	N		
3.	eP	12	54	14.6	Z	0.4	0.05
	iS		54	53.0	E		
4.	eS	16	09	24.5	N		

8 MAY

1.	eP	01	49	40.5	Z	0.4	0.03
	iS		49	43.8	NE		
2.	eP	03	23	56.5	Z	0.3	0.04
	iS		24	01.0	NE		
3.	iS	03	31	09.0	N		
4.	eP	05	17	07.0	Z	0.7	0.02
	i(S)		17	45.5	E		
5.	eS	06	05	01.0	NE		
6.	eP	06	21	48.5	Z	0.8	0.09
	eS		23	12.0	E'		
7.	i(P)	06	54	04.5	Z		
	iS		54	27.3	N		
8.	iS	08	16	06.5	NE		
9.	eP	08	44	20.7	Z		
	iS		44	35.9	N		
10.	eP	08	54	19.0	Z		
	iS		54	40.5	NE		
11.	iP	09	01	49.0	Z	0.8	0.07
12.	eP	10	27	46.0	Z,N'E'Z'	0.7	0.06
	ePP		28	44.0	E'		
	eS		32	15.0	E'		
D- 26.5° H - 10 22 09.6 Lat. - 36.4°N, Long-141.0°E h - 45 Kms., Mag. - 5 3/4 - 6 (PAL) (USCGS)							
13.	eP	10	42	26.7	Z		

Bag. May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

8 MAY

14.	1P	12	25	34.0	Z		
	1S		25	42.0	NE		
15.	1S	12	46	25.0	NE		
16.	e(P)	13	55	52.3	Z		
	i(S)		56	46.6	E		
17.	e(P)	14	51	58.0	Z	0.7	0.02
18.	e(S)	15	06	11.7	NE		
19. ✓	eP	15	26	53.0	NZ, N'Z'	1.0	0.44
	ePP		27	09.0	Z'		
	1S		29	16.0	E'		

D - 12.2°

H - 15 23 58.9

Lat. - 5.3°N, Long. - 125.6°E

h - 60 Kms.

(USCGS)

20.	1P	16	59	43.0	Z	0.4	0.06
	1S		59	45.4	E		
21.	e(P)	21	17	18.2	Z	1.0	0.04
22.	e(P)	21	32	13.0	Z		
23.	1P	22	13	26.5	NEZ	0.4	0.18
24.	eP	22	39	45.2	NZ		
	1S		39	49.0	N		
25.	1P	23	22	14.9	EZ		
	1S		22	16.3	E		

9 MAY

1.	1P	01	30	49.8	NEZ	0.5	0.12
	1S		30	52.0	E		
2.	eP	03	11	04.0	Z	0.6	0.26
	1S		11	47.0	N		
3.	eP	03	57	43.0	Z	0.5	0.02
	1S		58	04.6	NE		
4.	eP	04	15	38.2	Z	0.7	0.04
	1S		16	24.5	E		

Bag. May, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

9 MAY.

5.	eP D - 73.5° H - 04 31 40.3 Lat. - 27.4°S, Long. - 179.0°W h - 360 Kms. (USCGS)	04 42	31.0	Z	1.0	0.05
6.	e(P) eS	04 48	10.1 50.4	Z N		
7.	eP eS	04 55	20.4	Z	0.3	0.03
		56	02.2	N		
8.	eP e(S)	05 25	50.5	Z		
		26	51.5	E		
9.	iP iS	06 14	36.0	NEZ, N'E'Z'		
		14	49.0	E'		
10.	iS	06 18	32.8	E		
11.	iP iS	07 07	14.5	Z	0.5	0.05
		07	28.9	NE		
12.	i(S)	08 07	58.4	N		
13.	iP iS	09 00	39.5	NEZ		
		00	49.3	E		
14.	eP	11 28	50.1	Z	0.9	0.02
15.	iP	12 03	57.0	Z	0.5	0.03
16.	eP iS	13 39	55.4	Z		
		40	57.5	NE		
17.	iP iS	13 54	09.7	Z		
		54	24.0	N		
18.	iS	20 19	42.6	NE		
19.	iP iS	23 05	23.5	Z	0.5	0.08
		05	35.8	E		
20.	eP iS	23 44	09.0	Z		
		44	21.0	E		

10 MAY

1.	i(P)	01 53	22.0	Z		
2.	iP	04 38	40.5	Z	1.0	0.06

Bag. May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

10 MAY

3.	i(P)	06 48	41.8	Z		
4.	i(P)	10 40	05.0	Z		
5.	iP	11 10	28.5	Z		
6.	iS	12 45	45.0	NE		
7.	iP	14 45	38.0	Z		
	iS	45	41.7	N		
8.	i(P)	15 37	31.0	Z		
9.	iP	17 44	21.5	Z		
	i(S)	44	42.5	E		
10.	iP	18 44	35.8	Z		
	iS	44	53.0	E		
11.	iS	20 59	26.8	N		
12.	ePKP	22 42	42.0	Z'		

D - 159°
 H - 22 22 42.7
 Lat. - 2.1°S, Long-77.6°W
 h - 30 Kms., Mag. 6 3/4
 (USCGS)

11 MAY

1.	iP	03 32	55.3	NEZ	1.0	0.35
	iS	33	37.0	E'		
2.	iP	06 20	41.0	Z		
	iS	20	48.2	E		
3.	iP	06 54	43.7	NEZ, N'E'Z'		
	iS	54	54.0	N'		
4.	iP	07 04	21.1	Z		
	iS	04	32.2	NE		
5.	iP	07 52	03.0	Z		
	iS	52	08.5	NE		
6.	iP	08 17	24.5	Z		
	iS	17	37.0	NE		
7.	iP	10 16	15.1	NEZ		
	iS	16	22.5	N		

Baguio May, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
11 MAY					
8.	iP	12 05		47.5	Z
	iS	06		26.0	E
9.	iP	17 51		34.5	Z
	D - 8° H - 17 49 41.9 Lat. - 24.1°N, Long. - 122.3°E h - 33 kms. (USCGS)				
10.	iP	19 41		56.0	Z
	iS	42		19.0	E
12 MAY					
1.	iP	06 40		42.5	Z
	iS	42		19.0	E
2.	iP	08 13		13.0	Z
	iS	13		25.3	E
3.	e(P)	09 55		02.0	Z'
	D - 81° H - 09 42 57.8 Lat. - 57.8°S, Long. - 159.4°E h - 33 kms. (USCGS)				
4.	iP	11 07		28.5	Z
	iS	08		00.2	E
5.	iP	12 32		26.5	Z
	iS	32		56.5	E
6.	iP	12 47		44.8	Z
7.	iP	12 49		18.2	Z
	iS	49		38.5	E
8.	iP	12 50		34.5	Z
	iS	50		55.0	NE
9.	iS	19 00		44.7	E
10.	e(P)	19 29		08.0	Z'
	eS	34		16.0	E'
D - 33° H - 19 22 30.9 Lat. - 3.2°S, Long. - 147.0°E h - 33 kms. (USCGS)					
11.	iP	20 20		09.0	Z, Z'
	eS	29		38.5	N'
D - 73.5° H - 20 08 40.8 Lat. - 57.3°N, Long. - 154.0°W h - 60 kms., Mag. - 6½ (USCGS)					
12.	iP	20 31		14.0	Z

Bag. May, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

13 MAY

1.	i(P) iS	05 44 10.0 45 16.0	Z N		
2.	iP iS	11 52 41.0 52 55.9	Z E		
3.	iP	14 17 34.0	Z	1.2	0.23
4.	iP iS	20 20 45.0 21 08.5	Z, Z' E'		

14 MAY

1.	iP iS	02 16 02.0 16 20.2	Z E		
2.	iP	15 13 19.8	Z		
3.	iP	18 33 30.7	Z		
4.	iP iS	20 04 28.0 04 46.5	Z E		
5.	iP	23 22 01.5	Z		

D - 38°
H - 23 14 45.8
Lat. - 4.1°S, Long. - 152.9°E
h - 47 Kms.
(USGCS)

15 MAY

1.	c(P) D - 32° H - 02 52 39.7 Lat. - 3.4°S, Long. - 146.9°E h - 33 Kms. (USGCS)	02 59 18.0	N'		
2.	iP	15 34 07.1	Z		
3.	iP iS	19 24 43.0 24 50.8	Z NE		

16 MAY

1.	iP iS	05 28 13.0 28 32.0	Z E		
2.	iP iS	06 55 00.0 55 15.0	Z E		

Bag. May, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
16 MAY					
3.	iP	08 46 39.0	NEZ		
	iS	46 54.0	E		
4.	iP	12 32 24.5	Z		
5.	iP	14 43 11.4	Z		
	iS	43 30.0	E		
6.	eP	15 56 36.0	N'Z'		
	eS	16 00 18.5	E'		
		D - 18.7°			
		H - 15 52 15.4			
		Lat. - 0.9°S, Long. - 128.6°E			
		h - 24 Kms.			
		(USCGS)			
7.	iP	16 05 25.0	Z	1.5	0.33
8.	iP	16 22 22.0	Z, Z'		
	eS	25 58.0	E'		
		D - 18.7°			
		H - 16 17 59.9			
		Lat. - 0.9°S, Long. - 128.8°E			
		h - 33 Kms.			
		(USCGS)			
9.	iP	18 25 41.7	Z		
	iS	25 54.8	NE		
10.	iP	23 44 05.5	Z		
	iS	44 23.3	E		
17 MAY					
1.	iP	04 13 56.0	Z		
		D - 0.9°, 100 Kms.			
		H - 06 09 20.4			
		Lat. - 15.7°N, Long. - 120.1°E			
		h - 99 Kms.			
2.	iP	11 11 32.0	Z		
	iS	11 42.8	NE		
3.	iP	12 29 04.0	Z		
	iS	29 16.0	NE		
4.	i(P)	17 19 19.5	N		
	iS	19 41.0	E		
5.	iP	19 37 55.0	Z	0.5	0.05
	iS	38 10.5	E		

Baguio, May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

17 MAY

6. iP 21 35 14.0 Z,Z' 1.0 0.10
 eS 38 50.0 E'
 D - 19°
 Lat. - 0.8°S, Long. - 128.8°E
 H - 21 31 12
 h 231 Kms.
 (USCGS)

7. iP 22 13 07.5 Z
 i(S) 13 29.0 N

8. iP 22 17 45.5 NEZ
 iS 18 05.5 NE

9. eP 23 09 21.0 Z

18 MAY

1. iP 03 20 56.0 Z

2. iP 05 32 57.5 Z
 iS 33 08.2 NE

3. iP 07 36 21.0 Z
 iS 36 36.0 NE

4. iP 08 43 09.2 Z
 iS 43 14.0 NEZ

5. i(P) 09 25 35.0 Z

6. ✓ eP 12 25 52.0 Z' 1.0 0.30
 ✓ eS 30 28.0 E'
 D - 25°
 H - 12 20 34.4
 Lat. - 8.2°S, Long. - 115.6°E
 h - 65 Kms.
 (USCGS)

7. ✓ iP 13 08 55.5 Z 1.0 0.16
 ✓ eS 13 10.0 E'
 D - 25°
 H - 13 03 35.8
 Lat. - 8.3°S, Long. - 115.7°E
 h - 69 Kms.
 (USCGS)

8. iP 15 07 45.5 Z
 iS 07 56.5 NE

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

18 MAY

9.	hFP	16	43	31.5	Z		
	iP		43	32.2	Z, Z'		
	D - 128 kms.						
	H - 16 43 13.8						
	Lat. - 16.1°N, Long. - 119.5°E						
	h - 60 kms.						
	(USCGS)						
10.	iP	16	50	43.0	Z		
11.	iP	16	55	37.5	Z		
12.	iP	16	59	33.5	Z		
13.	iP	19	40	19.0	Z		
14.	iP	20	21	08.6	Z		
15.	i(P)	21	53	19.2	Z		
	iS		53	24.8	E		

19 MAY

1.	PKP	01	22	47.0	Z, Z'		
	D - 148°						
	H - 01 03 06.2						
	Lat. - 46.3°S, Long. - 74.8°W						
	h - 48 kms., Mag. 6 3/4						
	(USCGS)						
2.	iP	06	41	52.5	Z		
	iS		42	13.7	NE		
3.	iP	10	37	41.5	Z		
	iS		38	00.3	N		
4.	iS	10	40	43.5	N		
5.	iP	19	24	57.5	Z	1.0	0.34
	e(S)		28	22.0	E'		
	D - 16°						
	H - 19 21 16.0						
	Lat. - 2.5°N, Long. - 128.7°E						
	h - 102 kms.						
	(USCGS)						
6.	iP	21	43	03.0	NEZ		
	iS		43	15.5	NE		
7.	PKP	21	55	10.0	Z'		
	D - 137.7°						
	H - 21 35 47.0						
	Lat. - 23.8°N, Long. - 46.0°W						
	h - 10 kms., Mag. - 6 1/2						
	(USCGS)						

20 MAY

1.	iP	09	08	47.5	Z		
	iS		09	23.0	E'		
H	H - 09 08 01.7						
	D - 2.85°, 317 kms.						
	Lat. - 19.2°N, Long. - 121.3°E						
	h - 27 kms.						
	(USCGS)						

Baguio, May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

20 MAY

2. ✓ iP 11 49 40.5 Z,N'E'Z' 1.5 1.62
 e^S 12 00 13.0 N'E'

D - 79.5°

H - 11 38 05.3

Lat. - 30.7°S, Long. - 178.3°W

 h - 68 Kms., Mag. 6 3/4 - 7 (CGS)
 (USCGS)

3. iP 13 44 36.5 Z 1.2 0.26

D - 15.5°

H - 13 41 11.6

Lat. - 1.6°N, Long. - 124.6°E

h 252 kms.

(USCGS)

4. iP 21 08 35.0 Z,Z' 1.0 0.30

D - 16.0°

H - 21 04 55.4

Lat. - 2.5°N, Long. - 128.8°E

h - 125 Kms.

(USCGS)

21 MAY

1. i(P) 00 01 48.0 Z
 i(S) 02 35.5 E

2. iP 03 58 28.0 Z

3. iP 10 43 07.0 Z
 iS 43 24.0 NE

4. iP 10 50 00.8 NE

5. ✓ eP 17 39 09.0 Z'
 eS 46 19.0 E'

D - 51°

H - 17 30 15.3

Lat. - 11.1°S, Long. - 163.3°E

h - 33 kms, Mag. - 5 3/4 - 6 (PAL)

(USCGS)

22 MAY

NO RECORDS

23 MAY

1. ✓ iP 03 44 05.0 Z,Z' 1.0 0.12
 e(S) 51 45.0 E'

D - 70.2°

H - 03 33 24.8

Lat. - 14.7°S, Long. - 176.2°W

h - 302 kms.

(USCGS)

Baguio, May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

23 MAY

2.	iP	03	58	20.0	Z
	iS		58	54.0	N
3.	iP	12	33	02.5	Z
	iS		33	23.8	NE
4. ✓	iP	15	14	54.0	N'Z'
	e(S)		17	32.0	E'

D - 11.8°, 1312 kms.
 H - 15 12 09.7
 Lat. - 6.0°N, Long. - 126.1°E
 h-124 kms.
 (USCGS)

5.	e(P)	17	14	49.0	Z
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24 MAY

1.	iP	04	58	16.8	Z
2.	iP	05	02	48.5	Z
3.	iS	09	00	35.0	E
4.	iP	09	08	09.5	Z
	iS		08	32.0	E
5.	iS	09	32	28.0	E
6.	iS	10	08	24.8	E
7.	iP	12	25	48.3	Z
8.	iS	16	26	06.0	E
9.	iP	17	29	53.0	Z
10.	iP	21	54	33.5	Z

25 MAY

1.	i(P)	02	42	49.5	Z
2.	iP	04	33	14.0	Z
	iS		33	34.0	E
3. ✓	iP	08	47	47.0	Z
4.	i(P)	10	01	37.2	Z

BAGUIO, May, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z (sec) : A_Z (micron)

25 MAY

5. ✓ (PKP) 16 27 20.0 Z'
 D - 131°
 H - 16 08 00.6
 Lat. - 56.7°S, Long. - 24.8°W
 h - 33 kms, Mag. - 5½ - 5¾ (PAL)
 (USCGS)

6. iP 16 46 52.0 Z
 D - 4.3°, 478 kms.
 H - 16 45 42.9
 Lat. - 20.7°N, Long. - 121.0°E
 h - 12 kms.
 (USCGS)

7. ✓ iP 20 02 30.0 Z

8. iP 22 11 36.5 Z
 iS 12 30.0 MEZ

26 MAY

1. iS 15 25 29.0 E

2. iP 20 08 23.0 Z

3. iP 23 03 46.0 Z
 iS 03 55.5 N

4. ✓ iP 23 15 37.0 Z, Z'
 iS 22 43.0 E'
 D - 48.7°
 H - 23 06 54.0
 Lat. - 55.2°N, Long. - 160.1°E
 h - 34 kms., Mag. 5¼ - 5½ (PAL)
 (USCGS)

27 MAY

1. iP 04 00 59.2 Z

2. ✓ iP 04 07 29.4 Z
 eS 14 35.0 E'
 D - 49.9°
 H - 03 58 46.6
 Lat. - 55.2°N, Long. - 160.1°E
 h - 49 kms., Mag. - 5¼ - 5½ (PAL)
 (USCGS)

3. eiP 16 24 35.8 Z
 e(S) 28 18.0 E'
 D - 19.3°
 H - 16 20 09.6
 Lat. - 0.6°S, Long. - 130.1°E
 h - 33 kms.
 (USCGS)

Baguio, May, 1963

.....
 Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

27 MAY

4.	iP	17 05	40.5	NEZ		
	iS	05	52.3	E		
5.	i(P)	17 14	43.2	Z		

28 MAY

1.	iP	06 03	47.8	Z		
	i(S)	04	26.0	N		
2.	iP	21 11	41.0	Z	0.5	0.04
3.	iP	21 43	34.0	Z, Z'	1.0	0.12
	eS	47	34.0	N		

D - 21.00

H - 21 28 46.2

Lat. - 12.5°N, Long. - 142.1°E

h - 8 kms.

(USCGS)

4.	iP	21 59	30.8	Z		
	i(S)	22 00	11.5	N		
5.	iP	22 41	27.8	Z		
	iS	41	46.8	E		

29 MAY

1.	iP	08 37	56.0	Z		
2.	iP	08 44	49.5	Z		
	e(S)	52	46.0	E'		
	D - 57.8°					
	H - 08 35 03.7					
	Lat. - 27.0°N, Long. - 59.4°E					
	h - 52 Kms.					
	(USCGS)					
3.	iP	11 09	25.0	Z	1.0	0.13
4.	iP	11 52	29.8	Z		
5.	iP	15 56	22.0	Z		
6.	iP	23 01	45.0	Z		

30 MAY

1.	i(P)	03 53	02.3	Z		
2.	iP	05 45	19.0	Z		
3.	iP	05 50	07.0	Z		

Baguio, May, 1963

	Phase	Time (GMT)		Comp.	T_Z (sec)	A_Z (micron)
<u>30 MAY</u>						
4.	e(P)	07	07	45.0	Z	
	e(S)		17	00.0	E	
	D - 73°					
	H - 06 56 08.6					
	Lat. - 54.3°S, Long. - 144.1°E					
	h - 33 kms, Mag. - 5 $\frac{1}{4}$ - 5 $\frac{1}{2}$ (PAL)					
	(USCGS)					
5.	iP	08	47	12.6	Z	
	iS		47	26.1	NE	
6.	i(P)	17	06	01.1	Z	
7.	iP	20	54	27.5	Z	
8.	iP	22	34	54.0	Z	
<u>31 MAY</u>						
1.	iP	00	13	16.0	Z	
	iS		13	27.5	N	
2.	iP	06	15	07.0	Z	
	e(S)		24	22.0	E	
	D - 73°					
	H - 06 03 34.2					
	Lat. - 15.2°S, Long. - 173.4°W					
	h - 29 kms.					
	(USCGS)					
3.	iP	06	55	03.5	Z	
4.	iP	08	39	16.5	Z	
5.	iP	14	03	09.5	Z	
6.	iP	15	50	11.3	Z	
7.	iP	16	39	28.0	Z	
8.	iP	17	19	05.0	Z	

Baguio, June, 1963

Date	Phase	Time (GMT)			Comp.	T_z (sec)	A_z (micron)
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1 JUNE

1.	iP	04	03	26.0	Z	0.8	0.05
	iS		03	39.0	E		
2.	iP	06	23	40.5	Z	0.4	0.02
	iS		23	45.2	N		
3.	e(P)	07	48	07.0	Z	0.7	0.03
	iS		48	46.2	N		
4.	✓ eiP	10	58	28.0	Z	0.8	0.12
5.	e(S)	12	22	48.0	NE		
6.	i(P)	14	11	04.3	Z		
	i(S)		11	44.3	E		
7.	eiP	19	36	33.0	Z	0.3	0.14
	iS		36	59.0	N		
8.	i(P)	19	39	53.0	Z		
9.	i(P)	19	49	41.5	Z	0.8	0.03
10.	iP	20	09	02.0	Z, Z'		
	iS		09	22.0	E'		
D - 184 Kms., 1.65° H - 20 08 36.1 Lat. - 15.0°N, Long. - 119.8°E h - 48 Kms., Mag. 4.8 (USCGS)							
11.	e(P)	20	18	59.0	Z		
	iS		19	09.5	E		
12.	iP	20	35	29.0	Z		
	iS		35	49.5	NE		
13.	i(P)	20	52.	24.0	Z		
	iS		52	50.5	E		
14.	iP	21	21	59.0	Z		
	iS		22	19.5	N		
15.	✓ eP	21	25	16.0	Z'		
	e(S)		34	49.0	N'		

D - 73°
 H - 21 13 53.0
 Lat. - 15.3°S, Long. - 173.4°W
 h - 33 Kms., Mag. 5.6
 (USCGS)

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

1 JUNE

16.	i(P) iS	21	47	16.0 53.5	Z N		
17.	i(P) iS	21	52	26.0 40.5	Z N		
18.	iP i(S)	22	06	29.0 50.5	Z E		
19.	iP iS	22	13	13.0 46.0	Z E		
20.	i(P)	22	22	00.0	Z		
4 21.	i(P) i(S)	22	33	56.8 28.8	Z E		
22.	iP iS	22	40	34.5 07.0	Z E	0.8	0.02
23.	iP iS	22	52	34.0 59.0	Z N		
24.	i(P) iS	22	57	14.0 46.0	Z E		
25.	iP	23	10	32.8	Z	0.8	0.03
26.	i(P) iS	23	34	21.8 54.5	Z E	0.3	0.04

2 JUNE

1.	iS	08	04	03.7	E		
2.	iS	08	17	05.0	E		
3.	iP eS	10	07	34.5 42.0	Z, Z' E'		

D - 41 °

H - 10 00 00.1

Lat. 6.2°S, Long. - 154.4°E

h - 50 Kms., Mag. - 5½-5 3/4 (PAL), 5.8 (CGS)

4.	iP iS	13	15	18.0 40.5	Z E		
5.	iP iS	16	35	18.0 33.0	Z E		
6.	e(P) e(S)	21	25	09.0 43	Z' N'E'		

Baguio, June, 1963

 Date : Phase : Time (GMT) : Comp. T_z(sec) : A_z(micron)

3 JUNE

1. iP 05 54 58.3 NEZ
 D - 40.5°
 H - 05 47 17
 Lat. - 46.8°N, Long. - 152.9°E
 h - 80 Kms., Mag. - 4.4
 (USCGS)
2. ✓ iP 07 41 04.0 Z,Z'
 D - 21.7°
 H - 07 35 50.6
 Lat. - 34.1°N, Long. - 138.7°E
 h - 21 Kms., Mag. - 5.3
 (USCGS)
3. iP 09 25 32.0 Z
4. iP 14 13 16.0 Z
5. i(P) 14 22 17.0 Z
6. iP 16 36 21.5 NEZ
 iS 36 35.1 N
7. i(P) 21 49 04.0 Z
 iS 49 10.0 NE

4 JUNE

1. iP 02 33 46.0 NEZ
 iS 34 14.0 N
2. iP 12 50 27.5 Z
 iS 50 48.5 NEZ
3. iP 14 48 56.0 NEZ
 D - 22.8°
 H - 14 44 05.7
 Lat. - 4.8°S, Long. - 129.9°E
 h - 193 Kms., Mag. - 4.9
 (USCGS)
4. i(P) 15 28 13.0 Z
 iS 28 52.5 E
5. iP 15 47 44.8 Z
 iS 48 01.0 N
6. ✓ iP 19 27 13.0 Z
 D - 24.5°
 H - 19 21 54.8
 Lat. - 18.9°N, Long. - 146.0°E
 h - 96 Kms., Mag. - 5.6
 (USCGS)

Baguio, June, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

4 JUNE

7. ✓
iP 21 08 59.0 Z'
iS 12 28.0 N'
D - 19.2°
H - 21 04 42.6
Lat. - 1.2°S, Long 127.3°E
h - 33 Kms., Mag. - 5.7
(USCGS)

5. JUNE

1. ✓
iP 01 39 12.0 Z
iS 39 31.0 E
2. ✓
iP 04 23 13.5 Z
iS 23 23.5 E
3. ✓
iP 05 47 03.5 Z
iS 47 37.0 NE
4. ✓
i(P) 06 15 52.5 Z
5. ✓
iP 06 27 32.0 Z
iS 27 51.0 E
6. ✓
iP 08 59 44.5 Z
7. ✓
iP 09 17 11.0 Z
8. ✓
iP 12 17 21.5 EZ
9. ✓
iP 22 58 51.0 Z
eS 23 02 28.0 N'
D - 19.5°
H - 22 54 29.2
Lat. - 3.0°S, Long. - 119.6°E
h - 75 Kms.
(USCGS)

6 JUNE

1. ✓
iP 05 19 46.0 Z, Z'
iS 20 28.0 E'
D - 3.5°, 389 Kms.
H - 05 18 54.9
Lat. - 19.9°N, Long. - 120.5°E
h - 33 Kms., Mag. - 4.7
(USCGS)
2. ✓
iP 06 08 13.5 Z 0.9 0.11
D - 3.5°, 390 Kms.
H - 06 07 18.5
Lat. - 20.0°N, Long. - 120.6°E
h - 9 Kms., Mag. - 4.7
(USCGS)

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

6 JUNE

3. ✓
 iP 17 52 05.7 Z 0.9 0.37
 D - 56.3°
 H - 17 42 47.6
 Lat. - 14.3°S, Long - 167.3°E
 h - 165 Kms., Mag. 4.7
 (USCGS)

4. iP 20 04 01.0 Z 0.5 0.09
 iS 04 19.9 N

7 JUNE

1. iP 08 14 01.0 Z
 iS 14 40.0 E

2. ✓
 iP 15 50 43.0 NE, N'E'Z'
 i(S) 51 13.0 E'
 D - 2.8°, 311 Kms.
 H - 15 50 00.8
 Lat. - 18.9°N, Long. - 121.9°E
 h - 66 Kms., Mag. - 4.7
 (USCGS)

3. i(P) 19 28 01.0 Z
 iS 28 28.0 NE

4. iP 23 09 32.5 Z
 iS 09 49.0 NE

8 JUNE

NOTHING SIGNIFICANT FOR READING

9 JUNE

1. i(P) 03 51 24.0 Z
 iS 51 44.0 E

2. iP 12 05 57.0 Z
 iS 06 31.0 E

3. iP 14 25 28.5 Z
 iS 25 51.0 E

4. iP 17 45 05.0 Z
 iS 45 19.0 NE

10 JUNE

1. eiP 00 03 16.7 Z
 iS 03 44.0 NE

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

10 JUNE

2. iP 03 20 36.0 Z 1.0 0.38

3. ✓ eP 04 28 17.0 Z, Z'
 e(S) 37 56.0 E'

D - 75°

H - 04 16 38.4

Lat. - 55.3°S, Long. - 146.2°E

h - 33 Kms., Mag. 6 $\frac{1}{4}$ (PAS), 5 $\frac{3}{4}$ - 6 (PAL), 6.1 (USCGS)

4. ✓ e(P) 06 50 55.5 Z
 eS 07 00 20.0 E'

D - 75°

H - 06 39 04.1

Lat. - 55.2°S, Long. - 146.1°E

h - 19 Kms., Mag. - 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (PAS), 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (PAL), 6.0 (USCGS)

5. eIP 12 26 53.2 Z
 e(S) 33 39.0 E'

D - 37.5°

H - 12 19 55.1

Lat. - 4.6°S, Long. 151.9°E

h - 167 Kms., Mag. - 5.4 (USCGS)

6. iP 16 43 33.5 Z
 iS 43 44.7 N'E'

7. iP 18 49 12.0 Z 1.0 0.53

D - 38°

h - 18 42 06.5

Lat. - 5.1°S, Long. - 151.7°E

h - 115 Kms., Mag. - 5.0 (USCGS)

8. iP 19 15 38.2 Z

9. iP 23 47 09.0 Z

11 JUNE

1. ✓ iP 00 05 58.5 Z
 eS 11 49.5 N'E'

D - 38°

H - 23 58 44.1 (June 10)

Lat. - 4.6°S, Long. - 152.9°E

h - 72 Kms., Mag. 5.2 (USCGS)

Baguio, June, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
11 JUNE					
2.	iP	05 27 38.0	Z	0.3	0.04
	iS	27 43.0	NE		
3.	i(P)	10 52 49.0	Z		
	iS	53 06.5	NE		
12 JUNE					
1.	iP	03 23 39.0	EZ	0.5	0.01
	iS	23 54.3	N		
2.	i(P)	03 30 36.0	Z		
	D - 9.5° , 1056 Kms. H - 03 28 31.1 Lat. - 8.8°N , Long. - 126.3°E h - 144 Kms., Mag. - 3.7 (USCGS)				
3.	iP	08 45 06.8	Z		
	iS	45 11.5	NE		
4.	iS	09 38 53.0	NE		
5.	iP	23 05 13.0	NEZ		
	iS	05 26.5	E		
13 JUNE					
1.	iP	05 58 50.0	Z		
2.	iP	10 39 58.2	NZ		
	iS	44 06.0	N'E'		
D - 24.8° H - 10 34 49.7 Lat. - 6.1°S , Long. - 130.2°E h - 125 Kms., Mag. 5.5 (USCGS)					
3.	iP	11 57 16.0	Z	0.8	0.21
4.	iP	12 54 32.2	Z		
	iS	54 35.7	NE		
5.	iP	13 14 23.5	Z		
	iS	14 36.0	E		
6.	iP	15 22 37.0	Z		
7.	eP	17 33 23.0	Z	1.0	0.19
	eS	39 54.0	N'E'		
D - 39° H - 17 26 41.0 Lat. - 4.7°S , Long. - 153.2°E h - 51 Kms., Mag. - 5.3 (USCGS)					

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_g(sec) : A_g(micron)

14 JUNE

1.	i(P) iS	10 23 05.0 23 25.0	Z E		
2.	iP iS	11 46 26.0 46 37.0	Z E		
3.	iP iS	19 51 30.6 51 49.8	Z NE		

15 JUNE

1.	iP iS	01 51 41.0 51 56.5	Z N		
2.	eiP	05 12 18.7	Z	0.9	0.05
3.	iP i(S)	06 21 53.0 22 12.0	Z E	0.7	0.06
4.	i(P) i(S)	19 57 06.0 58 09.5	Z E		
5.	i(P) i(S)	20 41 09.0 41 28.7	Z N		
6.	iP iS	20 57 54.3 58 04.0	Z NZ		
7.	iS	22 29 59.5	E		

16 JUNE

1.	i(P)	02 40 03.0	Z		
2.	iP iS	04 33 47.5 34 13.7	Z E		
3.	iP iS	07 31 26.0 31 36.4	Z NE		
4.	e(P) D - 38.5° H - 13 48 59.7 Lat. - 4.5°S, Long. - 153.0°E h - 72 Kms., Mag. 4.7 (USCGS)	13 56 15.4	Z		

17 JUNE

1.	iP iS	07 04 02.3 04 14.0	Z E'		
2.	i(P)	11 24 28.0	Z		
3.	eP	18 44 22.0	Z		

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

17 JUNE

4. iP 21 49 04.2 Z
 5. iP 23 07 46.2 Z,Z'
 e(s) 12 36.0 E'
 D - 27.3°
 H - 23 02 06.1
 Lat. - 4.1°S, Long. - 102.2°E
 h - 69 Kms., Mag. 6.3
 (USCGS)

18 JUNE

1. iP 04 06 03.2 Z
 D - 15°
 H - 04 02 06.1
 Lat. - 28.8°N, Long. - 130.6°E
 h - 53 Kms., Mag. - 5.2
 (USCGS)
 2. iP 04 26 33.7 Z
 iS 26 52.0 N
 3. i(P) 06 06 58.0 Z
 4. iP 09 59 13.2 Z
 5. iP 10 25 45.5 Z
 iS 26 01.0 E
 6. iP 10 56 12.0 Z
 iS 56 23.5 NE
 7. iP 12 48 38.8 Z
 D - 7.5°, 834 Kms.
 H - 12 46 44.6
 Lat. - 9.2°N, Long. - 122.5°E
 h - 82 Kms.
 (USCGS)
 8. iP 13 55 14.5 Z
 9. iP 23 15 43.0 Z
 i(s) 17 04.0 E'
 D - 5.2°, 578 Kms.
 H - 23 14 23.9
 Lat. - 12.6°N, Long. - 124.2°E
 h - 16 Kms, Mag. - 4.6
 (USCGS)

19 JUNE

NO RECORDS

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

20 JUNE

1.	iP	03	17	09.8	Z	0.8	0.09
	iS		17	48.5	E		
2.	iP	03	55	06.0	Z	0.8	0.11
	iS		55	41.5	NE		
3.	iS	04	09	10.5	NE		
4.	iS	05	34	45.0	NE		
5.	i(P)	11	22	39.0	Z		
	i(S)		23	18.5	E		
6.	i(P)	15	02	59.3	Z		
	i(S)		03	36.0	E		
7.	iP	15	28	31.8	NEZ		
	iS		28	44.8	E		
8.	i(P)	15	33	09.0	Z		
	iS		33	20.0	E		
9.	iP	21	23	29.5	Z		
	i(S)		23	41.3	N		
10. ✓	eiP	22	57	56.8	Z	1.0	0.10
	D - 76°						
	H - 22 46 18.8						
	Lat. - 28.0°S, Long. - 176.5°W						
	h - 48 Kms., Mag. - 5.3						
	(USCGS)						

21 JUNE

1.	iP	03	01	32.7	Z		
	iS		01	52.0	E		
2.	iP	03	51	26.0	Z		
	iS		51	29.5	NE		
3.	iS	05	39	26.8	NE		
4.	i(P)	09	00	47.5	Z		
5.	iP	11	10	42.0	Z		
6.	iP	14	33	49.0	Z	1.0	0.18
	D - 16°						
	H - 14 30 16.2						
	Lat. - 2.6°N, Long. - 128.6°E						
	h - 225 Kms.						
	(USCGS)						

Baguio, June, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

21 JUNE

7. ✓
 i(P) 15 32 22.5 N
 D - 28°
 H - 15 26 29.3
 Lat. - 24.9°N, Long. - 92.1°E
 H - 53 Kms., Mag. - 5.7
 (USCGS)

8. iP 20 05 24.5 Z

22 JUNE

1. i(P) 02 49 44.5 Z
 iS 50 06.5 E

2. i(P) 03 02 19.0 Z
 i(S) 02 53.0 N

3. eiP 04 44 55.0 Z,Z' 1.2 0.37
 D - 40.8°
 H - 04 37 21.3
 Lat. - 6.1°S, Long. - 154.4°E
 H - 58 Kms., Mag. - 4.9
 (USCGS)

4. i(P) 16 16 41.5 Z
 i(S) 16 46.0 E

5. iP 16 32 32.0 Z 0.7 0.10
 iS 32 41.5 E

6. iP 18 48 32.8 Z

7. iP 19 19 54.8 NEZ 0.5 0.03
 iS 20 23.8 NE

23 JUNE

1. ✓ iP 04 01 06.0 Z 1.0 0.10

2. iP 07 59 54.8 Z

3. i(P) 14 35 15.0 Z

4. iP 17 31 01.1 Z

5. iP 17 58 54.0 Z

6. iP 18 31 43.5 Z
 eS 35 40.0 E'

D - 20°
 H - 18 27 11.3
 Lat. - 12.3°N, Long. - 140.7°E
 h - 36 Kms., Mag. - 5.1
 (USCGS)

Baguio, June, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
23 JUNE					
7.	iP	18 34	19.8	Z	
	iS	34	31.5	NE	
24 JUNE					
1.	eP	04 38	12.5	Z	
	ePP	40	19.0	Z'	
	eS	47	46.5	N'	
	eSS	52	55.0	E'	
	D - 74.8°				
	H - 04 26 37.9				
	Lat. - 59.5°N, Long. - 151.7°W				
	h - 52 Kms., Mag. 5.7				
	(USCGS)				
2.	iP	13 29	24.7	Z	1.0 0.11
3.	eP	16 27	46.0	Z'	
	eS	36	20.0	E'	
	D - 63.8°				
	H - 16 17 15.7				
	Lat. - 52.2°N, Long. - 171.1°W				
	h - 36 Kms., Mag. 5.4				
	(USCGS)				
4.	iP	19 41	01.0	Z	
	iS	41	15.0	N	
25 JUNE					
1.	iP	02 54	35.0	Z	
2.	iS	04 42	50.0	EZ	
3.	eP	14 38	03.0	Z	
	D - 30°5'				
	H - 14 32 09.9				
	Lat. - 8.8°S, Long. - 106.3°E				
	h - 42 Kms., Mag. 5.4				
	(USCGS)				
4.	iP	15 46	23.5	Z	
	iS	46	28.5	NEZ	
26 JUNE					
1.	eP	08 00	32.0	Z'	
	D - 22°09'				
	H - 07 55 40.4				
	Lat. - 11.6°N, Long. - 142.9°E				
	h - 44 Kms., Mag. 4.9				
	(USCGS)				
2.	iP	09 35	26.8	Z	
	iS	35	34.7	E	

Baguio, June, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
.....

26 JUNE

3.	iP	09 37	56.5	NEZ		
	iS	38	13.6	E		
4.	eP	09 44	42.0	N'E'Z'		
	eS	47	20.0	N'E'		
	D - 13° 05'					
	H - 09 41 37.8					
	Lat. - 4.6°N, Long. - 126.5°E					
	h - 94 Kms., Mag. - 5.0					
	(USCGS)					
5.	iP	18 02	24.5	Z	1.0	0.56
6.	iP	19 06	07.0	Z		
	iS	06	23.5	N		
7.	iP	20 16	27.0	Z		
8.	iS	22 20	35.5	E		

27 JUNE

1.	i(P)	07 20	09.5	Z		
2.	i(P)	11 09	20.3	Z		
3.	iP	15 38	24.0	Z	0.7	0.13

28 JUNE

1.	iP	03 49	32.6	Z		
	iS	49	48.0	E'		
2.	iP	13 53	25.0	Z'		
	e(S)	58	08.0	E'		
	D - 27°					
	H - 13 47 44.9					
	Lat. - 1.2°N, Long. - 97.3°E					
	h - 27 Kms., Mag. 5.0					
	(USCGS)					
3.	iP	22 03	17.0	N'E'Z'		
	iS	09	28.0	N'E'		
	D - 41°					
	H - 21 55 36.8					
	Lat. - 46.7°N, Long. - 153.3°E					
	h - 12 Kms., Mag. - 6½ (PAS), 6.2 (CGS)					
	(USCGS)					

Baguio, April, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

29 JUNE

1. ✓ eP 12 48 42.0 Z, Z[†] 1.5 0.81
 eS 52 39.0 N[†]
 D = 22.3°
 H - 12 43 46.3
 Lat. - 11.7°N, Long. - 142.6°E
 h - 24 Kms., Mag. - 5.3°
 (USCGS)

2. i(P) 13 09 19.5 Z 1.1 0.15

3. iP 16 02 56.5 Z
 iS 03 33.0 E

4. iP 16 07 02.3 Z
 iS 07 18.5 N

5. iP 17 08 07.5 Z
 iS 08 14.8 ME

30 JUNE

1. e(P) 04 24 12.0 Z[†]

2. ✓ iP 06 50 57.5 Z 1.0 0.51
 eS 55 16.0 N[†]
 D - 25.5°
 H - 06 45 38.7
 Lat. - 2.6°S, Long. - 102.5°E
 h - 181 Kms., Mag. - 5.4
 (USCGS)

3. ✓ iP 22 12 30.0 Z[†]
 eS 18 39.0 E[†]
 D - 42.0°
 H - 22 04 52.7
 Lat. - 46.7°N, Long. - 153.6°E
 h - 22 Kms., Mag. 5.0
 (USCGS)

4. i(P) 23 00 47.5 Z
 i(S) 01 13.0 E

Baguio, July, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
1 JULY					
1.	iP	07 47	Z	10.0	
	i(S)	47	E	41.8	
2.	iP	10 51	Z	48.0	0.5 0.10
3.	iP	19 20	Z	59.0	
	iS	21	N'	18.0	
4.	iP	19 49	Z	34.8	0.5 0.11
	iS	49	E	51.0	
2 JULY					
1.	iP	03 11	Z	07.0	
2.	iP	06 01	NEZ	54.8	
	iS	02	E'	14.0	
3.	iP	06 59	Z	24.3	
4.	iP	10 07	Z	47.0	
5.	iP	22 31	Z	36.0	
	iS	31	E	45.2	
3 JULY					
1.	iP	06 11	Z	17.8	
	iS	11	N	29.5	
2.	iP	13 55	Z	30.0	
	iS	56	N	09.0	
3.	i(P)	14 20	Z	48.5	
4.	iP	18 36	Z	38.7	
	iS	36	NE	49.0	
5.	iP	18 43	Z	43.2	
	iS	44	N	08.5	
6.	iP	20 54	Z	38.0	
	iS	54	E	50.0	
4 JULY					
1.	iP	05 51	Z	22.3	
2.	iP	05 30	Z	38.0	
3.	iP	06 57	Z	08.0	1.0 0.40
4.	iP	11 09	Z, Z'	28.0	
	iSP	10	Z'	30.0	
	iS	18	E'	40.0	

Baguio, July, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

4 JULY
 con't 4.

D - 73.50
 H - 10 58 13.2
 Lat. - 26.30S, Long. - 177.70W
 h - 158 kms. Mag. - 6 3/4 (PAS), 6 3/4 - 7 (BRR), 6.5 (CGS)
 (USCGS)

5. iP 14 28 56.0 Z
 iS 29 04.0 N

6. iP 21 49 19.0 Z
 D - 16°
 H - 21 45 31.1
 Lat. - 0.50N, Long. - 120.60E
 h - 59 kms., Mag. - 4.9 (CGS)
 (USCGS)

5 JULY

1. iP 07 38 52.7 Z 0.5 0.03
 iS 39 05.5 E

2. i(P) 10 49 29.5 Z

3. iP 11 32 39.8 Z
 iS 33 04.3 NE

4. i(P) 21 42 18.0 Z

6 JULY

1. iP 03 03 30.0 Z

2. i(P) 03 19 24.5 Z

3. iP 14 10 30.5 Z

4. iP 14 42 51.0 Z
 iS 43 02.1 NE

5. iP 17 54 51.0 Z
 D - 22°
 H - 17 49 54.5
 Lat. - 11.60N, Long. - 142.70E
 h - 26 kms., Mag. 4.6 (CGS)
 (USCGS)

7 JULY

1. i(P) 10 54 43.0 Z
 D - 11°
 H - 10 52 01.4
 Lat. - 6.20N, Long. - 124.50E
 h - 33 kms., Mag. - 4.6 (CGS)

2. iP 16 40 57.5 Z

Baguio, July, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
7 JULY					
3.	iP	22 04 06.5	Z		
4.	iP	22 19 10.6	Z		
8 JULY					
1.	i(P) iS	02 58 40.0 58 49.3	Z E		
2.	iS	06 12 28.0	NE		
3.	i(P)	06 35 05.0	Z		
4.	i(P)	11 34 56.0	Z		
5.	iP iS	21 27 21.5 27 41.3	Z E		
9 JULY					
1.	iP iS	00 08 35.5 08 56.8	Z NE	0.4	0.07
2.	iP D - 41° H - 03 04 37.4 Lat. - 46.3°N, Long. - 153.7°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)	03 12 17.5	Z		
3.	iP	03 17 23.0	Z		
4.	i(P) D - 25° H - 04 09 28.6 Lat. - 22.0°N, Long. - 145.7°E h - 33 kms., Mag. - 4.7 (CGS) (USCGS)	04 14 44.2	Z		
5.	iP	04 24 34.0	Z		
6.	iP	05 15 54.5	Z		
7.	iP iS	05 43 41.0 43 45.5	Z NE		
8.	iP D - 15.5° H - 06 16 53.0 Lat. - 0.9°N, Long. - 121.5°E h - 142 kms., Mag. - 4.9 (CGS)	06 20 29.0	Z		

Baguio, July, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

9 JULY

9. ✓ PKP 09 44 12.0 Z,Z'
 D - 146.7°
 H - 09 24 33.3
 Lat. - 8.5°N, Long. - 83.0°W
 h - 31 kms., Mag. - 5.1 (CGS)
 (USCGS)

10. iP 17 36 25.9 Z
 D - 8°
 H - 17 34 33.2
 Lat. - 24.2°N, Long. - 122.4°E
 h - 33 kms., Mag. - 4.8 (CGS)
 (USCGS)

11. iP 22 25 00.8 Z
 iS 25 08.0 N'E'Z'

10 JULY

1. ✓ iP 03 22 18.5 Z

2. ✓ iP 05 30 34.5 Z,Z' 0.9 0.15
 iS 36 43.0 E'
 D - 40.3°
 H - 05 22 57.1
 Lat. - 46.3°N, Long. - 152.9°E
 h - 33 kms., Mag. - 5.6 (CGS)
 (USCGS)

3. i(P) 07 49 00.5 Z
 iS 49 22.8 E

4. ✓ iP 19 57 20.0 Z,Z' 0.9 0.12
 D - 23.3°
 H - 19 52 19.4
 Lat. - 19.2°N, Long. - 145.2°E
 h - 171 kms., Mag. - 5.4 (CGS)
 (USCGS)

5. i(P) 22 48 42.0 Z
 i(S) 49 04.0 N

11 JULY

1. iP 09 45 50.0 Z
 iS 46 11.5 NE

2. e(P) 17 58 16.8 Z
 D - 54.0°
 H - 17 49 09.0
 Lat. - 12.0°S, Long. - 166.5°E
 h - 144 kms., Mag. - 4.2 (CGS)
 (USCGS)

3. iP 22 17 52.0 Z 0.5 0.15
 iS 18 11.5 E

Baguio, July, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

12 JULY

1. iP 13 47 35.0 Z
 iS 47 53.2 NE

2. iP 13 56 50.0 Z
 iS 57 09.5 E

3. iP 14 11 01.0 Z

4. ✓ eP 15 35 45.0 Z'
 eS 41 57.0 E'

D - 40.6°

H - 15 28 06.5

Lat. - 46.8°N, Long. - 153.6°E

h - 33 kms., Mag. - 5 - 5½ (PAL), 4.8 (CGS)
 (USCGS)

5. iP 16 20 47.8 Z

6. ✓ e(P) 23 48 50.0 Z'

D - 25°

H - 23 42 03.0

Lat. - 33.9°N, Long. - 140.7°E

h - 73 Kms., Mag. - 4.4 (CGS)
 (USCGS)

7. eP 23 58 40.7 Z

D - 39°

H - 23 51 16.0

Lat. - 5.5°S, Long. - 153.3°E

h - 56 kms., Mag. 5.0 (CGS)
 (USCGS)

13 JULY

1. iS 06 46 00.0 NE

2. iP 09 59 14.5 Z
 iS 59 36.0 NE

3. i(P) 11 09 24.5 Z
 iS 09 34.5 E

4. iP 14 05 31.0 Z 0.8 0.07

5. ✓ iP 14 08 16.5 Z,N'Z'

D - 8.0°

H - 14 06 23.7

Lat. - 24.3°N, Long. - 122.3°E

h - 33 kms., Mag. 4.9 (CGS)
 (USCGS)

Baguio, July, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
13 JULY					
6.	1P	14 33	Z	0.5	0.01
	1S	33 15.5	NE		
7.	1S	20 14	NE		
8.	1P	20 19	Z	0.8	0.08
9.	1P	20 23	Z		
	1S	23 20.3	NE		
14 JULY					
1.	1P	02 03	Z	22.0	
	1S	04 18.5	E'		
	D - 4.75°, 527 kms. H - 02 02 09.6 Lat. - 21.1°N, Long. - 121.4°E h - 50 kms., Mag. - 4.7 (CGS) (USCGS)				
2. ✓	(WEP)	06 01	Z	32.5	
	D - 155° H - 05 41 43.0 Lat. - 10.4°N, Long. - 62.6°W h - 24 kms., Mag. - 5 3/4 (BKK); 5 3/4 - 6 (PAL); 5.5 (CGS) (USCGS)				
3.	1P	07 16	Z	49.5	
	1S	17 05.5	NE		
4.	1P	09 43	Z	55.5	
5.	1P	11 04	Z	15.0	
	1S	04 40.0	NE		
6.	1P	16 43	Z	34.0	
	1S	43 54.5	E		
7. ✓	1P	17 18	Z	01.5	
8.	1P	19 28	Z	03.5	
9.	1P	23 26	Z	04.5	
	1S	26 24.5	E		
15 JULY					
1.	1P	05 23	Z	27.2	
	D - 16 H - 05 19 32 Lat. - 1.6°N, Long. - 127.1°E h - 33 kms. (USCGS)				
2.	1P	07 40	Z	27.5	

Baguio, July, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
15 JULY					
3.	1P	08 49 58.0	Z		
	D - 50° H - 08 41 07.5 Lat. - 55.6°N, Long. - 162.0°E h - 60 kms., Mag. 5.2 (CGS) (USGCS)				
4.	1P	22 41 20.0	Z		
16 JULY					
1.	1P	05 27 24.0	Z	0.7	0.05
	1S	27 56.8	H		
2.	1P	13 02 38.0	Z	0.9	0.13
3.	o(P)	17 57 10.0	Z		
4.	1P	18 38 34.0	Z, Z'	1.1	0.24
	oS	47 53.0	H'		
	D - 71.5° H - 18 27 18.4 Lat. - 43.1°N, Long. - 41.5°E h - 33 kms., Mag. - 5.8 (CGS) (USGCS)				
5.	1P	19 13 53.8	Z	0.7	0.10
	1S	14 19.5	H		
6.	1P	20 49 01.5	Z		
	1S	49 04.5	HE		
17 JULY					
1.	1P	14 30 27.0	Z		
	1S	30 52.0	H		
2.	1(P)	17 10 36.3	Z		
3.	1P	20 51 07.0	Z, Z'		
	1S	51 56.0	H'		
4.	1P	20 57 19.9	Z		
5.	1P	21 04 25.5	Z		
6.	1P	21 42 25.0	Z		

Baguio, July, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
18 JULY					
✓ 1.	iP	05 12 17.0	Z		
2.	i(P)	08 56 22.0	Z		
3.	iP	20 00 26.8	Z		
	iS	00 38.5	NE		
19 JULY					
✓ 1.	eP	05 59 23.0	Z, Z'		
	e(S)	06 10 04.0	N'		
	D - 95.0°				
	H - 05 46 05.2				
	Lat. - 43.3°N, Long. - 8.1°E				
	h - 33 kms., Mag. - 5.6 (CGS)				
	(USCGS)				
2.	i(P)	08 16 25.5	Z		
	i(S)	16 45.0	E		
3.	i(P)	09 25 44.8	Z		
	iS	26 03.7	N		
4.	iP	15 28 04.5	Z	0.8	0.07
20 JULY					
✓ 1.	iP	02 21 15.5	Z		
2.	e(P)	06 48 10.0	Z'		
	eS	57 50.0	E'		
	D - 77.5°				
	H - 06 36 10.8				
	Lat. - 57.6°S, Long. - 148.5°E				
	h - 33 kms., Mag. - 6 (PAL), 5.6 (CGS)				
	(USCGS)				
21 JULY					
✓ 1.	i(P)	06 12 10.5	Z		
2.	iP	09 12 08.8	Z		
3.	hP	14 46 47.5	Z		
	iP	46 50.5	Z		
	D - 676 kms.				
	H - 14 45 07.1				
	Lat. - 9.7°N, Long. - 122.3°E				
	h - 54 kms.				
	(USCGS)				
4.	iP	15 03 11.2	Z		
	iS	03 33.5	E		
5.	iP	21 50 41.0	Z		

Bugio, July, 1963

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 Date : Phase : Time (GMT) : Comp. : T_p (sec) : A_p (micron)

22 JULY

1.	1(P) 1S	03	21 22	51.5 08.5	Z E
2.	1P 1S	17	19 19	18.5 23.7	NE NE
3.	1P	18	32	06.0	Z
4.	eP D - 10.7° , 1190 kms. H - 19 22 22.3 Lat. - 7.7°N, Long. - 126.8°E h - 125 kms. (USCGS)	19	24	51.5	Z

23 JULY

1.	1P	02	31	18.7	Z
2.	eP	06	24	07.5	Z
3.	1P	12	47	49.5	Z
4.	1P 1S	15	48 48	32.0 35.8	Z N
5.	1P	19	40	46.5	Z

24 JULY

1.	1P	06	17	02.0	Z
2.	1P	07	57	58.0	Z
3.	1P 1S D - 7.2° H - 11 32 17.7 Lat. - 24.6°N, Long. - 122.0°E h - 33 kms., Mag. - 5.3 (CGS) (USCGS)	11	34 35	16.0 44.0	Z E'
4.	1P	13	13	11.5	Z
5.	1P 1S	13	20 20	32.2 43.7	Z NE
6.	1P	18	44	21.9	Z
7.	1P	19	11	10.0	Z

Baguio, July, 1963

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 Date : Phase : Time (GMT) : Comp. : T_g(sec) : A_g(micron)

24 JULY

8. 1P 19 12 45.0 Z
 sS 19 22.0 H'
 D - 45.2°
 H - 19 04 32.5
 Lat. - 9.0°S, Long. - 158.2°E
 h - 33 kms., Mag. - 5.8 (CGS)
 (USCGS)

9. 1P 20 29 45.0 Z

10. 1P 21 55 48.0 Z 1.5 0.48
 sS 22 02 09.0 H'
 D - 42.2°
 H - 21 47 54.1
 Lat. - 9.7°S, Long. - 154.4°E
 h - 16 kms., Mag. - 5.2 (CGS)
 (USCGS)

25 JULY

1. 1P 05 33 18.0 Z

2. 1P 10 38 17.8 Z
 IS 38 38.5 H

3. 1P 15 19 27.0 Z 0.5 0.23
 IS 21 18.0 H
 D - 8.9°, 990 kms.
 H - 15 17 17.9
 Lat. - 8.1°N, Long. - 123.5°E
 h - 637 kms., Mag. - 4.4 (CGS)
 (USCGS)

4. 1P 16 35 40.5 Z
 IS 35 49.3 H

5. 1P 21 34 06.5 Z 0.7 0.17
 IS 34 39.0 H'

26 JULY

1. *✓* eP 04 29 54.0 Z
 D - 87°
 H - 04 17 12.5
 Lat. - 42.4°N, Long. - 21.4°E
 h - 5 kms., Mag. - 5 3/4 - 6 (PAS); 5 1/2 - 5 3/4 (HRK);
 (USCGS) 5 1/2 (PAL); 5.5 (CGS)

2. eP 05 06 09.7 Z
 D - 87°
 H - 04 53 13.8
 Lat. - 42.1°N, Long. - 21.6°E
 h - 33 kms., Mag. - 4.2 (CGS)
 (USCGS)

Baguio, July, 1963

Date	Phase	Time (GMT)			Comp.	T_p (sec)	A_z (micron)
26 JULY							
	3.	1P	07	59	20.5	Z	
	4.	1P	09	09	22.0	Z	
	5.	1P	09	45	00.5	Z	
	6.	1P	14	00	45.5	Z	
	7.	1P	17	03	47.5	Z	
27 JULY							
	1.	1P	04	11	47.5	Z	
	2.	1S	05	31	11.0	NE	
	3.	1P	07	07	33.0	Z	
		1S		08	14.8	NE	
	4.	1P	07	23	16.8	Z	
		1S		23	58.2	E	
	5.	1P	09	40	53.0	NE	0.5
		1S		41	13.8	N	0.22
	6.	e(P)	21	31	45.0	Z	
28 JULY							
	1.	1P	02	27	52.5	Z	
		1S		28	04.0	E	
	2.	1P	05	00	19.0	Z	
	3.	1P	05	01	18.6	NEZ	
	4.	1P	07	05	16.5	Z	
	5.	1P	07	17	59.2	Z	
		1S		18	10.5	NE	
	6.	1P	08	01	20.0	Z	
		eS		06	08.0	N'	
		D - 28.8° H - 07 55 21.9 Lat. - 11.3°S, Long. - 112.1°E h - 21 kms., Mag. - 5.1 (CGS) (USCGS)					
	7.	eP	16	39	40.0	Z'	
		D - 38.5° H - 16 32 25.0 Lat. - 4.9°S, Long. - 152.7°E h - 69 kms., Mag. - 4.9 (CGS)					

Baguio July, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
28 JULY					
8.	iP	17 41 49.5	Z		
	iS	42 23.2	N		
9.	iP	18 59 12.7	Z		
	eS	19 05 21.0	E		
	D - 40.7° H - 18 51 36.7 Lat. - 46.6°N, Long. - 153.1°E h - 33 kms., Mag. - 5.0 (CGS) (USCGS)				
29 JULY					
1.	iP	03 56 08.0	Z		
	iS	56 29.0	NE		
2.	i(P)	05 56 04.0	Z		
3.	eP	06 20 34.5	Z	1.5	0.14
	D - 61.3° H - 06 10 22.6 Lat. - 27.8°N, Long. - 55.6°E h - 37 kms., Mag. - 5.2 (CGS) (USCGS)				
4.	iP	18 56 19.0	Z		
5.	eP	20 25 48.0	Z	1.8	0.12
	eS	35 37.0	E'		
D - 76.5° H - 20 14 07.3 Lat. - 30.2°S, Long. - 177.3°W h - 39 kms., Mag. - 6½ - 6 3/4 (BRK); 5.7 (CGS) (USCGS)					
6.	iP	23 45 19.0	Z	0.8	0.17
	eS	49 31.5	E		
30 JULY					
1.	iP	05 57 34.5	Z		
	e(S)	06 07 20.0	N'		
D - 75.6° H - 05 45 53.3 Lat. - 29.6°S, Long. - 177.3°W h - 33 kms., Mag. - 5.3 (CGS) (USCGS)					
2.	i(P)	06 51 04.8	Z		

Baguio, July, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

30 JULY

3. ✓
 iP 07 00 44.8 Z 1.0 0.08
 D - 46°
 H - 06 52 22.7
 Lat. - 51.7°N, Long. - 158.1°E
 h - 33 kms., Mag. - 5.3 (CGS)
 (USCGS)

4. i(P) 08 13 40.0 Z

5. iP 08 15 50.0 Z

6. iP 08 32 42.0 Z

7. i(P) 09 03 45.0 Z

8. iP 09 21 47.0 Z
 iS 22 39.0 E'

9. iP 09 49 03.8 Z
 iS 49 58.0 E'

10. ✓
 e(P) 14 14 32.5 Z
 D - 134°
 H - 13 51 57.8
 Lat. - 55.9°S, Long. - 27.5°W
 h - 33 kms., Mag. - 6.2 (CGS)
 (USCGS)

11. ✓ iP 14 35 02.2 Z

12. ✓ e(P) 15 16 16.5 Z

13. iP 18 40 50.5 Z

14. iP 23 08 34.0 Z

15. iP 23 36 10.3 Z
 D - 25°
 H - 23 30 59.0
 Lat. - 7.3°S, Long. - 128.9°E
 h - 143 kms., Mag. 5.0 (CGS)
 (USCGS)

31 JULY

1. i(P) 03 30 50.5 Z
 i(S) 31 11.0 E

2. iP 05 15 12.0 Z
 iS 15 23.0 N

3. i(P) 13 25 52.5 Z

Bagueio, July, 1963

.....
Date : Phase : Time (GMT) : Comp. : T_R(sec) : A_R(micron)
.....

31 JULY

4. e(P) 14 49 00.5 Z
D - 25.0°
H - 14 43 40.3
Lat. - 8.2°S, Long. - 116.4°E
h - 33 kms., Mag. -
(USGS)

Baguio, August, 1963

Date	Phase	Time (GMT)	Comp.	T_2 (sec)	A_2 (micron)
AUG. 1					
1.	e(P)	04 28	47.0	Z	
2.	iP D - 49.8° H - 10 45 02.7 Lat. - 55.3°N, Long. - 161.8°E h - 50 Kms., Mag. - 5.0 (CGS) (USCGS)	10 53	53.2	Z	0.8 0.05
3.	eiP	12 53	06.8	Z	
4.	iP iS	13 06 07	51.0 02.5	Z NE	
5.	iP iS	18 25 25	23.7 26.5	NEZ NE	
6.	iP iS	22 26 27	46.5 07.5	Z E	0.6 0.03
2 AUG.					
1.	eP	04 31	20.0	Z	
2.	iP e(S) D - 21.7° H - 10 20 38 Lat. - 26.8°N, Long. - 141.3°E h - 109 Kms., Mag. - 4.3 (CGS) (USCGS)	10 25 29	25.0 46.0	Z E'	
3.	iP	17 52	34.0	Z	
4.	eP eS D - 11.4° H - 19 26 26.0 Lat. - 6.0°N, Long. - 125.1°E h - 118 kms., Mag. - 5.0 (CGS) (USCGS)	19 29 31	04.0 41.0	Z' E'	1.2 0.12
5.	iP iS	20 13 13	07.0 39.0	Z N	
3 AUG.					
1.	e(P)	01 41	16.5	Z	
2.	iP	02 08	09.0	Z	

Baguio, August, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

3 AUG.

3. ✓
 iP 03 55 30.0 Z 1.2 0.57
 D - 43.2°
 H - 03 48 06.4 ✓
 Lat. - 7.6°S, Long. - 156.8°E
 h - 402 kms., Mag. - 5.1 (CGS)
 (USCGS)

4. iP 03 56 53.7 Z 1.2 0.43

5. iP 05 03 26.0 Z
 iS 03 42.5 E

6. ✓
 PKP 10 41 14.0 Z'
 D - 147.5°
 H - 10 21 36.6 ✓
 Lat. - 7.7°N, Long. - 35.8°W
 h - 33 kms., Mag. 6.9 (PAS); 6 3/4 - 7 (BRK); 6.1 (CGS)
 (USCGS)

7. iP 12 40 34.0 Z

8. i(P) 16 39 51.5 Z

9. ✓
 eP 20 37 43.5 Z
 D - 75.5°
 H - 20 26 04.1 ✓
 Lat. - 30.7°S, Long. - 178.3°W
 h - 37 kms., Mag. - 5.2 (CGS)
 (USCGS)

4 AUG.

1. iP 00 25 56.0 Z

2. iP 05 45 28.0 Z
 iS 45 41.5 E

3. i(P) 06 11 53.0 Z
 i(S) 12 08.0 E

4. ✓
 e(P) 07 14 11.0 Z'
 D - 26.7°
 H - 07 08 47.1 ✓
 Lat. - 9.4°S, Long. - 114.2°E
 h - 117 kms., Mag. - 5.5 (CGS)
 (USCGS)

5. iP 08 35 01.8 Z
 iS 35 23.0 E

6. iP 13 05 44.0 Z 1.1 0.08
 D - 22.8°
 H - 13 00 44.7
 Lat. - 12.6°N, Long. - 143.8°E
 h - 61 kms., Mag. 4.6 (CGS)
 (USCGS)

Baguio, August, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
4 AUG.					
	7.	iP	15 39 13.5	Z	0.6 0.05
	8.	e(P)	21 23 35.0	Z	
5 AUG.	1.	iP	00 04 25.0	Z	0.9 0.47
		D - 69.0° H - 23 54 14.0 (August 4, 1963) Lat. -17.5°S, Long. - 179.1°W h - 515 kms., Mag. - 5.2 (CGS) (USCGS)			
	2.	iP	03 36 15.0	NEZ	
	3.	iP	04 24 54.5	Z	
	4.	i(P)	06 04 52.5	Z	
	5.	iP	07 42 46.3	NEZ	
	6.	iP	08 03 22.0	Z	
		iS	03 24.0	NE	
	7.	iP	08 04 16.0	NEZ	
	8.	iP	08 57 12.0	Z	
	9.	iP	09 03 05.5	Z	
		iS	03 07.7	NE	
	10.	iP	11 11 58.5	Z	
	11.	iP	14 20 05.4	Z	
		iS	20 27.0	N	
5d:	12.	eP	15 51 20.0	Z	
		eS	16 01 32.0	E'	
		D - 81° H - 15 39 07.0 Lat. - 60.7°S, Long. - 154.3°E h - 33 kms., Mag. - 4.2 (USCGS)			
	13.	iP	21 21 26.0	Z	
6 AUG.					
	1.	iP	03 09 38.5	NZ	
		iS	10 00.3	E	
	2.	iP	03 20 39.0	Z	
		iS	20 57.8	NE	

Baguio, August, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

6 AUG.

3.	iP	15	06	20.0	NZ	0.5	0.10
	iS		06	54.3	N		
4.	iP	16	58	56.0	Z		
	iS		59	18.0	E		
5.	iS	23	05	18.0	NE		
6.	iP	23	58	00.5	Z		

7 AUG.

1.	i(P)	02	24	45.0	Z		
2.	e(P)	07	07	51.0	Z		
3.	iP	08	53	31.8	Z		
	iS		53	34.0	E		
4.	iP	11	01	20.7	Z		
	iS		01	37.0	N		
5.	iP	19	20	05.9	EZ	0.5	0.05
	iS		20	13.8	E		
6.	iP	20	58	56.5	NEZ	0.9	0.38
	iS		59	08.5	N		
7.	iP	21	32	40.8	Z	0.5	0.03
	iS		33	02.3	NE		

8 AUG.

1. ✓
 ✓ X
 eP 02 24 07.0 Z'
 eS 31 34.0 N'E'
 D - 53°
 H - 02 14 54.4
 Lat. - 54.2°N, Long. - 168.1°E
 h - 33 kms., Mag. - 4 3/4 - 5 (BRK), 5.5 (CGS)
 (USCGS)

2. iP 03 14 04.8 Z
 3. i(P) 05 57 53.0 Z
 4. ✓ X
 ✓ X
 iP 11 23 21.0 Z, Z'
 eS 29 04.0 E'
 D - 37.5°
 H - 11 16 11.2
 Lat. - 5.8°S, Long - 151.0°E
 h - 48 kms., Mag. - 5 (BRK), 5.6 (CGS)
 (USCGS)

Baguio, August, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
8 AUG.					
5.	iP	13 56	Z	22.0	
	D - 24°				
	H - 13 53 42.2				
	Lat. - 18.3°N, Long. - 145.3°E				
	h - 423 kms., Mag. 4.9 (CGS)				
9 AUG.					
1.	e(P)	06 39	Z	11.0	
	iS	39	E	46.5	
2.	iP	08 54	Z	01.8	
	iS	54	NE	12.0	
3.	iP	10 24	NEZ	07.5	
	iS	24	N'	23.0	
4.	iP	10 47	Z	37.5	
	iS	47	N	52.5	
5.	iP	14 47	Z, Z'	58.0	1.2
	iS	57	E'	18.0	0.10
	D - 71.0°				
	H - 14-36-45.9				
	Lat. - 15.3°S, Long. - 175.7°W				
	h - 33 kms., Mag. 5 3/4 -6 (ERK), 5.5 (CGS)				
	(USCGS)				
6.	iP	15 16	EZ	10.0	0.8
	iS	16	NE	24.8	0.19
7.	iP	15 19	Z	47.0	1.0
					0.07
8.	iP	19 36	Z	55.0	
9.	iP	20 01	Z	21.5	
	iS	01	E	43.2	
10 AUG.					
1.	iP	04 43	Z	43.8	
	i(S)	43	E	55.5	
2.	e(P)	13 22	Z	51.0	
	D - 21.8°				
	H - 13 17 47.1				
	Lat. - 24.7°N, Long. - 142.7°E				
	h - 33 kms., Mag. -5.0 (CGS)				
	(USCGS)				
3.	iS	13 40	E	50.5	
4.	iS	13 42	E	35.0	

Baguio, August, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
10 AUG.					
5.	e(P)	14 43 11.0	Z		
6.	iP	20 02 01.8	Z		
	iS	02 40.0	E		
7.	i(P)	20 16 48.0	Z		
11 AUG.					
1.	iP	00 06 38.0	Z		
	iS	06 40.3	NE		
2.	e(P)	01 46 40.0	Z'		
	eS	56 45.0	E'		
D - 81.2° H - 01 34 22.2 Lat. - 60.5°S, Long. - 154.9°E h - 33 kms., Mag. - 5.4 (CGS) (USCGS)					
3.	iP	05 16 06.5	Z		
	iS	16 21.8	E		
4.	iP	07 43 12.3	Z	1.0	0.15
	D - 28.7° H - 07 37 20.4 Lat. - 38.8°N, Long. - 140.9°E h - 45 kms., Mag. - 5.0 (CGS) (USCGS)				
5.	iP	08 10 32.2	Z		
6.	iP	10 08 44.0	Z		
7.	iP	10 39 30.5	Z		
	iS	39 42.0	NE		
8.	iP	16 46 38.5	Z		
	iS	47 13.3	N		
9.	iS	17 20 12.0	E		
10.	iP	17 31 33.5	Z		
	iS	31 36.2	E		
11.	iP	17 53 08.0	Z		
	iS	53 19.0	N		
12 AUG.					
1.	iP	03 12 20.5	Z	0.5	0.03
	iS	12 52.5	N		
2.	iP	06 31 50.3	Z		
	iS	31 55.0	NE		

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

12 AUG.

12d.

3.	iP iS	06 33 11.0 33 15.8	NEZ,N'E'Z' N'		
4.	iP iS	10 10 19.0 10 48.0	NZ NE		
5.	iP D - 24.7° H - 10 10 08.0 Lat. - 5.7°S, Long. - 131.1°E h - 92 kms., Mag. - 5.2 (CGS) (USCGS)	10 15 19.0	Z	0.7	0.23
6.	iP iS	11 10 19.5 10 33.5	Z N		
7. ✓	iP D - 55.2° H - 18 29 38.8 Lat. - 25.3°N, Long. - 62.7°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)	18 39 08.7 ✓	Z	0.8	0.06
8.	iS	20 07 03.0	NE		
9.	e(P)	23 56 03.0	Z		
10.	iP	23 59 25.0	Z	0.5	0.28
Aug 13 -	iS	00 00 21.3	N		

13 AUG.

1.	iP D - 395 kms. - 3.55° Lat. - 12.9°N, Long. - 120.7°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	02 59 27.0	Z		
2.	iP iS	04 46 19.0 46 29.0	Z NE		
3.	iP iS	07 51 00.5 51 13.0	Z E		
4.	iP	09 46 37.0	Z		
5.	iP iS	22 19 36.5 19 49.0	Z NE		
6.	iP	23 04 39.0	Z		

Baguio, August, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

14 AUG.

1401 ✓ X
 1. e(P) 03 40 09.0 Z'
 D - 38°
 H - 03 32 33.5
 Lat. -4.9°S, Long. - 152.3°E
 h - 62 kms., Mag. 5.8 (CGS)
 (USCGS)

2. iP 14 55 03.8 Z
 iS 55 08.3 NE

3. iP 16 20 12.0 Z
 D - 7.8°
 H - 16 18 18.0
 Lat. - 24.1°N, Long - 122.4°E
 h - 28 kms., Mag. - 5.3 (CGS)
 (USCGS)

✓ X
 4. iP 18 49 16.0 Z
 e(S) 53 20.0 E'
 D - 24.5°
 H - 18 43 55.5
 Lat. - 3.4°S, Long. - 135.4°E
 h - 33 kms.
 (USCGS)

15 AUG.

✓ X
 1. i(P) 02 25 45.0 Z

✓ X
 2. iP 06 17 21.8 Z
 iS 22 03.8 E
 D - 28°
 H - 06 11 34.6
 Lat. - 37.9°N, Long. - 141.6°E
 h - 59 kms, Mag. - 6½ (PAS), 6 - 6½ (BRK), 5.7 (CGS)
 (USCGS)

3. iP 08 02 14.5 Z

4. iP 12 12 00.5 Z

5. iP 16 36 17.0 Z
 iS 36 36.0 E

✓ X
 6. PKP 17 44 14.0 Z'
 D - 170.5°
 H - 17 25 05.9
 Lat. - 13.8°S, Long. -69.3°W
 h - 543 kms., Mag. - 7 ¾ (PAS), 7.9 (BRK), 6.0 (CGS)
 (USCGS)

7. iP 18 03 11.0 Z

Baguio, August, 1963

Date	Phase	Time (GMT)	Comp.	T (ms) : A (micron)
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16 AUG.

1.	1P	02 42 48.8	Z	
	D - 21.3°			
	H - 02 38 10.9			
	Lat. - 3.1°S, Long. - 129.3°E			
	h - 94 kms., Mag. - 4.6 (CGS)			
	(USCGS)			

2.	1P	03 05 17.0	Z	
	D - 24.4			
	H - 03 00 24.3			
	Lat. - 6.3°S, Long. - 129.0°E			
	h - 263 kms, Mag. - 4.5 (CGS)			
	(USCGS)			

3.	1P	04 59 24.3	Z	
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4.	1P	10 00 34.3	Z	
	1S	00 55.0	NE	

5.	1P	10 06 46.5	NEZ	
	1S	07 08.0	N	

6.	1P	10 12 46.0	Z	
	1S	13 08.0	NE	

7.	1P	10 25 54.0	Z	
	1S	26 15.5	N	

8.	1P	20 53 34.0	Z	
	D - 16.5°			
	H - 20 49 52.1			
	Lat. - 2.1°N, Long. - 126.1°E			
	h - 36, Mag. - 4.5 (CGS)			
	(USCGS)			

9.	1P	21 50 55.5	Z	
	1S	51 16.0	E	

10.	e(P)	23 38 56.0	Z'	
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17 AUG.

1.	1P	01 51 35.0	Z	
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2.	1P	03 04 04.5	Z	
	1S	04 25.5	N	

3.	1P	03 13 04.5	Z	
	1S	13 25.5	E	

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
17 AUG.					
17d 4. ✓ X	iP	11 16	38.0	Z'	
	iS	20	01.0	E'	
	D - 16.7°				
	H - 11 12 41.2				
	Lat. - 30.6°N, Long. - 130.9°E				
	h - 33 Kms., Mag. - 6½ (PAS), 6 (BRK), 5.6 (CGS) (USCGS)				
5.	iP	12 10	42.4	Z	
6.	iP	12 19	48.5	Z	
	iS	20	00.5	N	
7.	iP	12 21	55.0	Z	
	iS	22	07.0	N	
18 AUG.					
1.	iP	01 47	09.8	Z	
2.	iP	01 50	41.0	Z	
3.	iP	02 10	24.8	Z	
4.	iP	02 52	39.3	Z	
	iS	53	00.0	E	
5.	iP	03 40	02.5	Z	
6.	iP	04 18	30.5	Z	
	iS	18	48.0	E	
7.	iP	04 31	53.5	Z	
	iS	32	11.2	N	
8.	iP	07 15	04.0	Z	
9.	iP	07 55	31.0	Z	
	iS	55	53.0	E	
10.	iP	18 41	38.0	Z	
11. ✓ X	iP	18 53	20.0	Z	
	iS	19 01	33.0	E'	
	D - 61°				
	H - 18 43 16.1				
	Lat. - 50.3°N, Long. - 176.9°W				
	h - 33 kms., Mag. - 5 (BRK), 5.5 (CGS) (USCGS)				

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 Date : Phase : Time (GMT) : Comp. : T_g(sec) : A_g(micron)

18 AUG.

12. ✓ X
 18d
 eP 20 39 25.0 Z'
 D - 76.6°
 H - 20 27 41.9
 Lat. - 32.1°S, Long. - 178.1°W
 h - 33 kms., Mag. - 5.0 (CGS)
 (USCGS)

19 AUG.

1. iP 09 47 22.0 Z
 iS 47 35.7 E
 2. iP 10 05 47.0 Z
 3. i(P) 10 51 17.5 Z
 4. iP 14 16 17.5 Z
 5. iP 19 15 08.5 Z
 6. iP 21 41 15.0 Z
 iS 41 33.5 E

20 AUG.

1. iP 00 35 18.5 Z
 iS 35 34.2 N
 2. iP 03 04 15.5 Z
 iS 04 35.5 E
 3. eP 06 59 25.0 Z'
 D - 29.0°
 H - 06 53 28.1
 Lat. - 6.9°S, Long. - 103.0°E
 h - 61 kms.
 (USCGS)
 4. iP 12 32 12.0 Z
 iS 32 21.3 NE
 5. iP 12 59 24.3 Z
 iS 59 42.5 E
 6. ✓ X
 eP 15 54 28.0 Z'
 c(S) 59 56.0 E'
 D - 31.7°
 H - 15 58 12.2
 Lat. - 41.2°N, Long. - 142.7°E
 h - 50 kms., Mag. 4.5 (CGS)
 (USCGS)
 7. iP 19 13 30.0 Z
 8. iP 20 04 40.7 Z

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
21 AUG.					
1.	iP	00 33 07.2	Z		
2.	eP	03 59 08.0	Z	1.2	0.11
3.	iP	05 01 03.5	Z		
4.	iP	20 05 23.8	Z		
	iS	05 36.0	E		
22 AUG.					
1.	iP	05 06 02.8	Z		
	eS	09 47.0	E'		
	D - 19.5° H - 05 01 38.3 Lat. - 1.2°S, Long. - 128.5°E h - 33 kms., Mag. - 3.7 (CGS) (USCGS)				
2.	1(P)	07 00 37.0	Z		
3.	iP	08 51 42.0	Z		
	iS	51 51.0	NE		
4.	iP	10 45 40.0	Z		
	iS	46 06.3	E		
5.	iP	14 44 30.0	Z	0.9	0.18
6.	iP	20 00 41.0	Z, N'E'Z'		
	iS	07 23.5	E'		
	D - 45.5° H - 19 52 25.0 Lat. - 9.4°S, Long. - 158.0°E h - 33 kms., Mag. - 6 3/4 - 7 (PAS), 6 - 6 1/4 (BRK), 6.1 (CGS) (USCGS)				
7.	e(P)	20 25 20.0	Z		
	iS	25 44.5	NE		
23 AUG.					
1.	iP	03 52 02.3	Z		
2.	iP	05 26 24.4	NEZ		
	iS	26 35.0	E'		
3.	iS	11 36 45.5	NE		
4.	iP	11 46 34.5	Z		
5.	eP	13 17 56.0	Z'		
	eS	24 47.0	E'		
	D - 47.3° H - 13 09 25.3 Lat. - 52.4°N, Long. - 159.6°E h - 33 kms., Mag. 4.5 (CGS) (USCGS)				

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Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
23 AUG.					
6.	i(P)	14 31 34.5	Z		
7.	iP	15 27 10.5	Z		
8.	iP	17 25 10.5	Z		
9.	i(P)	21 33 30.0	Z		
10.	iP	21 56 11.0	NEZ		
	iS	56 19.5	E'		
11.	i(P)	23 27 19.0	Z		
24 Aug.					
1.	iP	03 29 49.0	Z		
2.	hP	19 12 31.0	Z		
	iP	12 33.8	Z		
	iS	12 52.5	E		
3.	i(P)	22 02 22.0	Z		
25 AUG.					
1.	iP	05 28 42.0	Z		
2.	iP	08 26 12.5	Z		
	iS	26 26.0	E		
3.	iP	10 25 11.3	NEZ		
	iS	25 31.0	NE		
4.	iP	12 28 21.0	Z, N'E'Z'		
	ipP	30 18.0	Z'		
	iPP	31 00.0	Z'		
	iS	36 42.0	N'E'		
	iSS	41 16.0	E'		
	D - 69.30				
	H - 12 18 12.5				
	Lat. - 17.5°S, Long. - 178.8°W				
	h - 565 kms., Mag. - 6½ (PAS), 6 - 6¼ (BRK), 6.1 (CGS)				
	(USCGS)				
5.	iP	13 57 53.5	Z		
	iS	58 00.0	NE		
6.	iP	19 38 53.0	Z		
	iS	39 00.0	NE		

Baguio, August, 1963

.....
 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

26 AUG.

1.	iP	04 30	39.0	NEZ	0.5	0.12
	iS	30	46.8	E		
2.	iP	06 02	17.0	NEZ	0.5	0.10
	iS	02	24.5	NE		
3.	iS	07 04	47.3	NE		
4.	iS	11 37	09.5	E		
5.	iP	12 22	21.0	N		
	iS	22	32.5	NE		
6.	i(P)	12 25	28.6	Z		
	iS	25	43.0	N		
7.	iP	12 31	07.5	Z		
	iS	31	16.5	NE		
8.	iP	13 36	00.5	Z		
	iS	36	19.5	N		
9.	iP	16 57	29.0	Z	0.7	0.23
	iS	57	56.0	N		
10.	i(P)	20 26	32.0	Z		
	iS	26	44.0	N		
11.	iP	23 37	49.8	Z	1.1	0.41
	eS	41	57.0	N'		

D - 25.3°

H - 23 32 38.3

Lat. - 7.7°S, Long. - 127.3°E

h - 151 kms., Mag. - 4.4 (CGS)

(USCGS)

27 AUG.

1.	iP	03 43	09.5	Z		
2.	PKP	03 43	14.0	Z'		
	D - 148°					
	H - 03 23 32.6					
	Lat. - 45.9°S, Long. - 75.3°W					
	h - 33 kms., Mag. 5.3 (CGS)					
	(USCGS)					
3.	iP	06 20	25.0	Z		
4.	iP	07 32	36.8	Z		
	iS	32	47.0	N		

Baguio, August 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
28 AUG.					
1.	1(P) is	07 34 35.5 35 01.0	Z E		
2.	iP D - 22.0° H - 15 51 06.3 Lat. - 28.3°N, Long. - 141.0°E h - 96 kms., Mag. - 5.1 (CGS) (USCGS)	15 56 00.0	Z		
3.	e(P)	18 51 41.0	Z		
29 AUG.					
1.	iP is	07 02 12.5 02 19.5	Z NE		
2.	iP iFP is eSS D - 46.8° H - 08 53 48.4 Lat. - 39.6°N, Long. - 74.2°E h - 31 kms., Mag. - 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (BRK), 5.5 (CGS) (USCGS)	09 02 15.2 04 09.0 09 11.5 12 42.0	Z, Z' Z' E' N'		
3.	PKP D - 156.7° H - 15 30 31.5 Lat. - 7.1°S, Long. - 81.6°W h - 23 kms., Mag. 6 $\frac{1}{2}$ (PAS), 7 (BRK), 6.1 (CGS) (USCGS)	15 50 26.5	Z, Z'		
4.	eP D - 73.7° H - 20 57 31.5 Lat. - 15.5°S, Long. - 177.9°W h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	21 09 00.2	Z'		
30 AUG.					
1.	iP D - 44.8° H - 04 46 25.0 Lat. - 44.8°N, Long. - 80.1°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	04 54 34.0	Z	1.3	0.12
2.	iP is	06 04 12.9 04 23.5	NEZ NE		

Baguio, August, 1963

Date	Phase	Time (GMT)			Comp.	T (sec)	A (micron)
30 AUG.							
3.	iP	10	30	57.5	Z	0.8	0.13
	e(S)		33	55.0	N		
4.	eP	20	38	55.0	Z		
	i(S)		39	19.0	E		
31 AUG.							
1.	iP	02	33	59.3	NEZ		
	iS		34	15.5	E		
2.	e(P)	04	39	20.0	Z		
3.	iP	16	48	44.0	Z		
	iS		49	03.5	NE		
4.	iP	16	57	31.0	Z		
	D - 16.20						
	H - 16 53 44.7						
	Lat. - 2.0°N, Long. - 127.5°E						
	h - 70 kms. (USCGS)						
5.	iP	22	17	26.0	Z		

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

1 SEP.

1.	i(P)	12 50	07.0	Z
	iS	50	30.0	E
2.	i(P)	14 14	44.0	Z
	i(S)	15	07.5	E
3.	iP	21 50	12.0	Z
	iS	50	26.7	E

2 SEP.

1.	iP	11 51	20.5	Z
	D - 38.7°			
	H - 11 44 00.2			
	Lat. - 45.4°N, Long. - 150.9°E			
	h - 33 kms., Mag. - 4.5 (CGS)			
	(USCGS)			
2.	iP	14 41	36.0	Z
3.	iP	16 34	03.5	Z
4.	eP	23 52	20.0	Z'
	eS	58	12.0	N'
	D - 38.7°			
	H - 23 45 00.1			
	Lat. - 45.4°N, Long. - 150.8°E			
	h - 33 kms., Mag. - 4.9 (CGS)			
	(USCGS)			

3 SEP.

1.	iP	05 05	19.0	Z
2.	iP	05 37	59.7	Z
3.	iP	07 18	14.0	Z
4.	iP	15 13	12.0	Z

4 SEP.

1.	i(P)	03 04	09.0	Z
	D - 14.3°			
	H - 03 00 51			
	Lat. - 29.3°N, Long. - 127.5°E			
	h - 253 kms., Mag. - 4.4 (CGS)			
	(USCGS)			
2.	iP	07 49	59.8	Z
3.	iP	13 45	19.5	Z
	e(S)	56	33.0	E'
	D - 92.1°			
	H - 13 32 12.3			
	Lat. - 71.3°N, Long. - 73.1°W			
	h - 33 kms., Mag. - 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (PAS), 6 (HRK), 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (PAL), 6.1 (CGS)			
	(USCGS)			

Baguio, September 1963

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 Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

5 SEP. NO QUAKE RECORDED

6 SEP.

1.	iS	00 20	52.5	NE		
2.	iP	05 09	58.0	Z	0.5	0.31
	iS	10 10.0		NE		
3.	iP	06 05	48.0	Z		
	i(S)	06 02.7		N		
4.	iP	06 08	42.5	Z		
	iS	12 46.0		E'		
	D - 21.7°					
	H - 06 03 52.1					
	Lat. - 36.4°N, Long. - 130.6°E					
	h - 33 kms., Mag. - 5.4 (CGS)					
	(USCGS)					
5.	iP	06 44	31.0	Z		
	iS	44 35.5		NE		
6.	i(P)	08 13	30.5	Z		
	D - 11.8°, 1312 kms.					
	H - 08 10 26.5					
	Lat. - 6.1°N, Long. - 126.2°E					
	h - 47 kms., Mag. - 4.6 (CGS)					
	(USCGS)					
7.	iP	10 27	03.5	Z	1.2	0.29
8.	iP	20 04	37.0	Z	1.0	0.29
	D - 18.0°					
	H - 20 03 23.3					
	Lat. - 11.8°N, Long. - 138.5°E					
	h - 33 kms., Mag. - 4.8 (CGS)					
	(USCGS)					

7 SEP.

1.	iP	04 14	31.0	Z		
	D - 23.9°					
	H - 04 09 29.8					
	Lat. - 5.9°S, Long. - 129.8°E					
	h - 169 kms., Mag. - 5.2 (CGS)					
	(USCGS)					
2.	iP	07 21	01.0	Z		
	e(S)	26 57.0		E'		
	D - 38.6°					
	H - 07 13 39.9					
	Lat. - 45.5°N, Long. - 150.8°E					
	h - 33 kms., Mag. - 5.2 (CGS)					
	(USCGS)					
3.	iS	14 26	10.0	NEZ		

Baguio, September 1963

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

7 SEP.

4. iP 19 31 19.0 Z
 e(s) 35 20.0 E'
 D - 22°
 H - 19 26 29.3
 Lat. - 3.0°S, Long. - 130.4°E
 h - 33 kms, Mag. - 4.6 (CGS)
 (USCGS)

5. iP 21 50 57.0 Z

6. iP 22 01 10.0 Z

7. iP 22 41 52.0 Z
 iS 42 41.0 NE

8 SEP.

1. iP 02 19 33.5 Z
 iS 19 36.5 NEZ

2. iP 02 51 58.5 Z

3. iP 07 23 19.0 Z
 iS 23 24.0 NEZ

4. iP 09 05 55.0 Z

5. iP 09 09 51.5 Z

6. iP 09 31 23.3 Z

7. iP 18 04 16.8 NEZ

8. iP 20 00 48.0 Z
 iS 09 20.0 N'

D - 70.5°
 H - 19 50 29.8
 Lat. - 23.6°S, Long. - 179.8°E
 h - 550 kms., Mag. - 6 $\frac{1}{4}$ (PAS), 5 $\frac{1}{2}$ -5 $\frac{3}{4}$ (BRK), 5.7 (CGS)
 (USCGS)

9 SEP.

1. iP 02 53 03.0 Z
 iPP 54 37.0 Z'
 iS 58 58.0 N'E'

D - 38.3°
 H - 02 45 45.5
 Lat. - 4.4°S, Long. - 152.7°E
 h - 34 kms., Mag. - 6-6 $\frac{1}{4}$ (BRK), 6 $\frac{1}{4}$ (PAL), 5.6 (CGS)
 (USCGS)

2. iP 03 37 32.5 Z 0.5 0.10
 iS 37 56.0 N

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

9 SEP.

3. iP 10 45 29.8 Z
 4. i(P) 10 51 08.0 E

10 SEP.

1. i(P) 06 35 34.5 Z
 2. iP 14 17 00.0 Z
 3. iP 16 27 24.2 Z
 iS 27 39.5 N
 4. iP 18 01 06.5 Z
 5. i(P) 19 25 03.5 Z
 e(S) 33 52.0 E

D - 65.3°
 H - 19 14 26.8
 Lat. - 19.0°S, Long. - 175.8°E
 h - 33 kms., Mag. - 4 $\frac{1}{2}$ -4 $\frac{1}{2}$ (BBK), 5 $\frac{1}{4}$ -5 $\frac{1}{2}$ (PAL), 5.3 (CGS)
 (USCGS)

11 SEP.

1. eP 00 01 21.0 Z' 1.0 0.22
 eS 05 28.0 E'
 D - 22.7°
 H - 23 56 26.2 (Sep. 10)
 Lat. - 3.4°S, Long. - 131.4°E
 h - 64 kms., Mag. - 4.8 (CGS)
 (USCGS)

2. iP 09 04 27.3 Z
 3. iP 11 16 03.3 Z
 i(S) 16 13.0 E
 4. i(P) 19 49 38.0 Z

12 SEP.

1. iP 06 25 10.0 Z
 iS 25 33.0 N
 2. iP 13 01 45.0 Z
 iS 01 58.0 E
 3. iP 14 09 11.0 Z
 iS 09 41.4 E
 4. iP 15 14 57.0 Z
 iS 15 08.3 NE

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
13 SEP.					
1.	iP	00 28 39.0	NEZ		
	iS	28 43.0	NE		
2.	iP	13 02 15.3	Z	0.5	0.05
	iS	02 28.0	NE		
3.	1(P)	16 33 24.5	Z		
	iS	33 30.5	NE		
14 SEP.					
1.	iP	00 20 43.5	Z, Z'	0.9	0.13
	eS	24 49.0	E'		
D - 22.8° H - 00 15 45.2 Lat. - 3.5°S, Long. - 131.2°E h - 33 kms., Mag. - 4.4 (CGS) (USCGS)					
2.	iP	00 23 31.5	Z	0.9	0.13
	eS	24 49.0	E'		
D - 22.8° H - 00 18 33.4 Lat. - 3.6°S, Long. - 131.2°E h - 33 kms., Mag. - 5.8 (CGS) (USCGS)					
3.	iP	02 15 01.0	Z		
	eS	24 49.0	E'		
D - 5.4° H - 02 13 41.2 Lat. - 22.0°N, Long. - 121.3°E h - 90 kms., Mag. 5.0 (CGS) (USCGS)					
4.	eP	04 04 00.0	Z'		
	eS	24 49.0	E'		
D - 75.5° H - 03 52 16.9 Lat. - 31.4°S, Long. - 179.0°W h - 33 kms., Mag. - 4.9 (CGS)					
5.	iP	07 21 46.7	Z		
	eS	24 49.0	E'		
D - 23.6° H - 07 17 18.5 Lat. - 19.0°N, Long. - 145.0°E h - 610 kms., Mag. - 5.0 (CGS) (USCGS)					
6.	iS	07 40 22.0	NEZ		
7.	iP	13 54 59.6	Z		
8.	iP	20 28 50.6	Z		
9.	iP	22 51 27.0	Z		

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

15 SEP.

1. *X* iP 00 56 00.5 Z'
 D - 52.2°
 H - 00 46 54.1
 Lat. - 10.3°S, Long. - 165.6°E
 h - 43 kms, Mag. - 7 $\frac{1}{4}$ -7 $\frac{1}{2}$ (PAS), 6 $\frac{3}{4}$ -7 (PAL), 6.3 (CGS)
 (USCGS)

2. i(P) 08 59 47.0 Z
 iS 09 00 06.5 N

3. i(P) 09 17 34.0 Z
 i(S) 17 47.5 E

4. iP 09 23 53.5 Z 0.7 0.12

16 SEP.

1. *X* iP 00 08 19.5 Z 1.0 0.08
 D - 6.0°
 H - 00 06 50.8
 Lat. - 22.4°N, Long. - 120.5°E
 h - 33 kms., Mag. - 4.8 (CGS)
 (USCGS)

2. iP 04 14 07.0 Z

3. iP 07 59 49.2 Z

4. iP 08 58 18.0 Z

5. iS 11 16 49.8 NEZ

6. *X* iP 20 14 48.0 Z
 eS 22 36.5 N'E'
 D - 54.8°
 H - 20 05 21.9
 Lat. - 13.4°S, Long. - 166.5°E
 h - 28 kms., Mag. - 5.0 (CGS)
 (USCGS)

7. iP 22 30 10.8 Z

17 SEP.

1. iS 06 03 02.0 NE

2. *X* PKP 06 14 29.0 Z 1.0 0.03
 D - 168.0°
 H - 05 54 33.7
 Lat. - 10.6°S, Long. - 72.2°W
 h - 61 kms., Mag. - 6 $\frac{3}{4}$ (PAS), 5.5 (CGS)
 (USCGS)

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

17 SEP.

17d.

3.	iP iS	07 03 03 52.3	43.0 52.3	Z NE		
4.	i(P) iS	14 33 33 52.5	37.0 52.5	Z NE		
5.	i(P)	16 51	48.5	Z		
6.	iP iS D - 51.8° H - 19 20 08.2 Lat. - 10.1°S, Long. - 165.3°E h - 17 kms., Mag. - 7 $\frac{1}{4}$ (PAS), 7 $\frac{1}{2}$ (BRK), 7 (PAL), 6.1 (CGS) (USCGS)	19 29 36 41.0	15.0 41.0	Z, Z' E'		
7.	i(P) D - 51.3° H - 19 57 40.3 Lat. - 10.1°S, Long. - 165.0°E h - 36 kms., Mag. - 4.8 (CGS) (USCGS)	20 06	44.4	Z	1.2	0.31
8.	iP D - 51.3° H - 20 00 56.6 Lat. - 9.9°S, Long. - 164.7°E h - 33 kms., Mag. - 5.3 (CGS) (USCGS)	20 10	05.8	Z	1.1	0.22
9.	iP	22 37	33.5	Z	1.5	0.55
10.	iP iS	23 34 34 27.5	10.0 27.5	NZ NE		

18 SEP.

1.	i(P)	02 04	52.0	Z		
2.	i(P)	04 09	29.0	Z		
3.	iP iS	05 58 58 21.5	09.0 21.5	NEZ N		
4.	iP	06 04	30.5	Z		
5.	iP iS	06 24 24 39.5	21.7 39.5	Z E		
6.	iP iS	06 27 27 35.0	16.8 35.0	Z E		
7.	i(P)	07 23	01.0	Z		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
18 SEP.					
8.	iP	08 27 40.0	Z		
9.	iS	11 03 41.0	NEZ		
10.	iP	12 48 16.0	Z		
11.	iP	12 48 16.0	Z		
12.	iP	19 45 43.0	Z		
	iS	45 55.2	NE		
13.	iP	17 10 23.0	Z, Z'		
	D - 80.7° H - 16 58 12.5 Lat. - 40.9°N, Long. - 29.2°E h - 33 kms., Mag. - 6 $\frac{1}{2}$ (PAS), 5 $\frac{3}{4}$ -6 (PAL), 5.2 (CGS) (USCGS)				
14.	iP	17 23 37.5	Z		
	D - 27.6° H - 17 18 00.8 Lat. - 3.3°S, Long. - 139.9°E h - 90 kms., Mag. - 5.8 (CGS) (USCGS)				
15.	iP	20 43 08.0	Z		
	D - 24.6° H - 20 37 52.1 Lat. - 3.6°S, Long. - 134.7°E h - 32 kms., Mag. - 5.2 (USCGS)				
16.	i(P)	22 48 25.5	E		
19 SEP.					
1.	iS	11 30 07.0	NEZ		
2.	iS	12 18 20.5	NE		
3.	iP	18 44 32.5	Z		
4.	iP	19 38 41.0	Z	1.0	0.07
5.	iP	22 30 17.8	NZ	0.5	0.10
	iS	30 42.0	N		
20 SEP.					
1.	iP	03 06 05.5	NEZ		
	iS	06 23.0	NE		
2.	eP	03 15 37.0	Z		

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Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
20 SEP.					
3.	iP	15 23 17.0	Z		
4.	iP	16 44 15.7	Z		
5.	iP	17 39 01.0	Z		
6.	iP	17 49 33.7	Z		
	iS	49 36.0	E		
7.	eP	19 06 00.0	Z		
	e(S)	09 02.0	E'		
	D - 16.2° H - 19 02 15.1 Lat. - 1.6°N, Long. - 127.1°E h - 97 kms., Mag. - 5.1 (CGS) (USCGS)				
21 SEP.					
1.	iP	03 59 14.0	Z		
	D - 16.4° H - 03 55 26.6 Lat. - 0.0°S, Long. - 119.7°E h - 47 kms., Mag. - 4.4 (CGS) (USCGS)				
2.	iP	10 45 52.0	Z		
	iS	45 54.0	NEZ		
3.	iP	18 25 40.0	Z		
	D - 8.8° H - 18 23 33.1 Lat. - 24.2°N, Long. - 125.1°E h - 33 kms., Mag. - 4.3 (CGS) (USCGS)				
22 SEP.					
1.	iP	02 59 11.0	Z	0.7	0.03
2.	iP	03 07 02.0	Z, Z'	1.3	0.27
	eS	15 49.0	N'		
	D - 65.7° H - 02 56 24.3 Lat. - 19.3°S, Long. - 175.9°E h - 28 kms., Mag. - 5.8 (CGS) (USCGS)				
3.	iP	09 41 39.5	Z	0.7	0.11
	iS	41 52.5	N		
4.	iP	13 20 16.5	NEZ	0.5	0.23
	iS	20 28.3	NE		

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

22 SEP.

22d. ✓ X
 5. iP 19 32 35.0 Z, Z'
 iS 41 22.0 N'E'
 D - 65.7°
 H - 19 21 57.1
 Lat. - 19.2°S, Long. - 175.9°E
 h - 24 kms., Mag. - 5.5 (CGS)
 (USCGS)

23 SEP.

1. iP 06 35 48.2 Z 1.0 0.20
 iS 36 08.8 N
 2. e(P) 07 07 20.0 Z'
 3. e(P) 09 15 25.0 Z'
 4. iP 10 06 11.5 Z
 5. iP 10 26 19.5 Z
 iS 26 53.0 N
 6. iP 16 16 18.0 Z
 7. iP 17 12 31.5 Z
 8. iP 20 20 38.5 Z
 9. iP 20 56 08.5 Z
 10. iP 23 58 57.5 Z

24 SEP.

✓ X
 1. i(P) 05 01 24.0 Z
 2. iP 15 03 51.0 NEZ 0.5 0.06
 iS 04 09.5 NE
 3. iP 15 04 39.0 Z 0.5 0.06
 iS 04 57.0 NE
 4. ✓ X
 PKP 16 50 12.5 Z, Z' 1.4 0.24
 D - 162.8°
 H - 16 30 16.0
 Lat. - 10.6°S, Long. - 78.0°W
 h - 80 kms., Mag. - 7 (PAS), 6½ (BRK), 6 (PAL), 6.0 (CGS)
 (USCGS)
 5. i(P) 17 40 36.0 Z
 iS 40 53.7 E

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.....
 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

24 SEP.

6.	i(P)	21	10	26.0	Z		
	iS		10	34.5	N		
7.	iP	22	55	06.0	NZ	0.5	0.10
	iS		55	50.5	E		

25 SEP.

1.	iP	03	21	33.8	Z		
	iS		21	53.0	E		
2.	iP	04	17	31.0	Z		
	iS		18	13.2	E		
3.	iP	07	57	39.0	Z		
	iS		57	43.7	E		
4.	iP	10	11	28.0	NEZ		
5.	iP	12	56	09.0	Z		
	D - 56.5° H - 12 46 42.0 Lat. - 15.2°S, Long. - 167.4°E h - 122 kms., Mag. - 4.3 (CGS) (USCGS)						

6.	i(P)	14	09	56.0	Z		
	D - 51.3° H - 14 00 54.0 Lat. - 10.2°S, Long. - 164.6°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)						

7.	i(P)	14	59	19.0	Z		
	D - 51.3° H - 14 50 18.2 Lat. - 10.1°S, Long. - 164.5°E h - 33 kms., Mag. - 5.1 (CGS) (USCGS)						

8.	iP	18	36	34.7	Z		
	iS		36	53.8	N		

26 SEP.

1.	iP	05	38	11.0	Z		
	D - 60.5° H - 05 28 07.3 Lat. - 50.4°N, Long. - 176.9°W h - 33 kms., Mag. - 5 3/4-6 (PAL), 5.3 (CGS) (USCGS)						

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
26 SEP.					
2.	iP	06 01 47.0	Z		
	D - 35°				
	H - 05 55 09.7				
	Lat. - 5.6°S, Long. - 148.0°E				
	h - 156 kms., Mag. - 4.9 (CGS)				
	(USCGS)				
3.	iP	09 16 26.0	Z		
4.	iP	16 04 38.0	Z		
5.	e(P)	20 41 51.5	Z		
	D - 26.8°				
	H - 20 35 54.3				
	Lat. - 3.3°S, Long. - 141.9°E				
	h - 33 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
6.	iP	21 41 45.0	Z		
27 SEP.					
1.	i(P)	09 54 07.0	Z		
	iS	55 00.5	E		
2.	iP	11 06 06.8	Z		
	iS	07 54.0	E'		
	D - 823 kms., 7.4°				
	H - 11 04 17.3				
	Lat. - 11.3°N, Long. - 126.0°E				
	h - 17 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
3.	i(P)	17 31 35.0	Z		
4.	iP	18 11 48.0	Z	0.8	0.04
5.	iP	18 39 54.0	Z	0.7	0.03
6.	iP	22 02 37.0	NEZ		
	iS	02 41.5	NE		
28 SEP.					
1.	iP	05 31 30.5	Z		
2.	iP	05 35 36.0	Z		
3.	iP	06 05 45.0	Z		
	D - 25°				
	H - 06 00 25.4				
	Lat. - 22.9°N, Long. - 94.5°E				
	h - 108 kms., Mag. - 5.6 (CGS)				
	(USCGS)				

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 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

28 SEP.

4.	i(P)	06 11 49.5	Z		
5.	iP	07 09 00.5	Z		
6.	iP	17 08 03.0	Z		
	iS	08 07.0	NEZ		
7.	iP	17 14 44.5	Z		
	iS	15 04.0	E		
8.	iP	18 48 09.0	Z		

D - 27°

H - 18 42 25.2

Lat. - 3.5°S, Long. - 102.0°E

 h - 29 kms., Mag. - 5.6 (CGS)
 (USCGS)

9.	iP	22 00 28.5	Z		
	iS	00 56.3	E		
10.	iP	23 57 47.7	NEZ		
	iS	58 07.0	E		

29 SEP.

1.	iS	03 46 22.5	NE		
2.	iP	08 55 04.6	NZ	0.7	0.12
	iS	55 34.0	E		
3.	iP	18 20 46.0	Z	0.8	0.06
4.	eiP	19 37 41.0	Z	1.5	0.67
	iS	39 52.0	N'E'		

D - 11.5°

H - 19 35 01.6

Lat. - 6.0°N, Long. - 125.3°E

 h - 117 kms., Mag. - 5.3 (CGS)
 (USCGS)

5.	iP	22 29 34.7	Z	0.9	0.10
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30 SEP.

1.	iP	00 15 21.0	Z		
	iS	15 32.0	E		
2.	iP	04 06 40.0	Z		
3.	i(P)	04 56 36.5	Z		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
30 SEP.					
4.	iP	07 48 58.0	Z		
5.	iP	08 38 24.0	Z		
6.	iP	08 58 40.2	Z	1.0	0.18
	eS	09 02 14.0	N'		
D - 19.4°					
H - 08 54 15.0					
Lat. - 1.3°S, Long. - 128.5°E					
h - 30 kms., Mag. - 4.9 (CGS)					
(USCGS)					
7.	iP	09 14 24.0	Z		
8.	i(P)	10 38 46.5	Z		
9.	iP	13 38 34.0	Z		
10.	eP	15 45 38.0	Z'		
	e(S)	49 54.0	N'		
D - 23°					
H - 15 40 46.3					
Lat. - 2.2°S, Long. - 134.1°E					
h - 135 kms., Mag. - 4.7 (CGS)					
(USCGS)					
11.	iP	17 07 31.1	Z		
	iS	07 51.0	NE		
12.	iP	17 52 11.7	Z		
13.	iP	18 06 10.0	Z		
14.	eP	23 04 47.0	Z'		
	eS	08 54.0	E'		
D - 22.3°					
H - 22 59 52.8					
Lat. - 9.4°S, Long. - 142.3°E					
h - 33 kms., Mag. - 4.4 (CGS)					
(USCGS)					

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micran)
OCT. 1					
1.	iP	05 58 39.0	Z		
	iS	59 26.0	E		
2.	iP	19 15 23.0	Z		
	iS	15 43.0	E		
OCT. 2					
1.	iP	01 55 52.0	NZ	0.8	0.23
2.	iS	03 05 48.0	NE		
3.	iP	03 15 19.0	NZ, Z'	0.5	0.21
	i(S)	15 55.0	E'		
4. ✓	iP	03 38 40.0	NEZ, Z'	1.1	0.62
	D - 38.2° H - 03 31 27.0 Lat. - 5.4°S, Long. - 152.0°E h - 65 kms., Mag. - 5.6 (CGS) (USCGS)				
5. ✓	iP	05 58 40.5	Z, Z'	1.0	0.08
	eS	06 06 18.0	N'		
D - 74.5° H - 05 47 05.5 Lat. - 20.8°S, Long. - 174.1°W h - 33 kms., Mag. - 5½-5¾ (HRK), 5.3 (CGS) (USCGS)					
6.	iP	15 37 08.0	Z		
OCT. 3					
1.	i(P)	03 38 05.0	Z		
2.	iP	05 33 44.0	Z		
	D - 6° H - 05 32 18.4 Lat. - 22.3°N, Long. - 121.1°E h - 55 kms., Mag. - 4.4 (CGS) (USCGS)				
3.	iP	06 43 41.0	Z		
	D - 24.6° Lat. - 3.4°S, Long. - 135.7°E H - 06 38 32.2 h - 78 kms., Mag. - 5.4 (CGS) (USCGS)				
4.	i(P)	15 25 04.0	Z		
5.	i(P)	15 34 47.0	Z		

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

3 OCT.

6. iP 17 30 53.0 Z
 7. iP 23 28 49.0 Z,Z'
 D - 19°
 H - 23 24 34.7
 Lat. - 32.2°N, Long. - 131.6°E
 h - 33 kms., Mag. - 6½ (PAS), 6 (PAL), 5.7 (CGS)
 (USCGS)

4 OCT.

1. iP 00 32 13.0 Z
 D - 19.1°
 H - 00 27 56.7
 Lat. - 32.8°N, Long. - 131.4°E
 h - 21 kms., Mag. - 4.9
 (USCGS)
 2. eP 02 59 05.0 Z'
 D - 74.1°
 H - 02 47 32.1
 Lat. - 20.7°S, Long. - 174.0°W
 h - 33 kms., Mag. - 5.3 (CGS)
 (USCGS)
 3. hIP 07 05 56.0 Z
 iP 05 59.0 Z
 4. iP 08 25 11.5 Z
 5. iP 08 51 14.0 Z
 6. iP 12 36 16.0 Z
 7. iP 14 02 52.0 Z
 8. i(P) 14 31 36.0 Z

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
5 OCT.					
1.	iP	02 06 58.0	Z	0.9	0.07
2.	iP iS	07 08 54.8 09 05.8	NZ NE	0.5	0.09
3.	iP D - 21.2° H - 07 32 19 Lat. - 28.8°N, Long. - 139.2°E h - 454 kms., Mag. - 4.6 (CGS) (USCGS)	07 36 30.0	Z		
4.	e(P) eS D - 75.7° H - 14 57 47.4 Lat. - 11.6°N, Long. - 42.8°E h - 33 kms., Mag. - 5.3 (CGS) (USCGS)	15 09 38.0 19 14.0	Z' N'E'		
5.	iP iS	23 01 36.3 01 50.8	Z NE		
6.	iP	23 58 01.0	Z	0.9	0.22
6 OCT.					
1.	iP iS	03 43 40.5 43 51.2	NEZ NE		
2.	iP iS	03 46 51.8 47 05.3	NEZ NE		
3.	iS	12 16 10.0	NE		
4.	iS	21 31 58.0	N		
5.	iP	23 01 46.0	Z		
7 OCT.					
1.	iP iS	06 32 05.6 32 18.5	Z E		
2.	iP iS	08 48 35.2 48 39.0	Z NEZ		
3.	iP	10 10 03.0	NEZ		
4.	iP eS D - 70.6° H - 13 14 24.6 Lat. - 23.6°S, Long. - 179.9°E h - 550 kms., Mag. - 5-5½ (BRK), 5.7 (CGS) (USCGS)	13 24 43.0 33 11.0	Z, Z' N'		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
7 OCT.					
5.	iP	15 03	52.0	NEZ	
	iS	04	02.3	NE	
6.	iP	20 06	10.0	Z	
7.	iP	21 52	27.5	Z	
	iS	52	46.5	E	
8.	iP	23 40	16.5	Z	
9.	iP	23 51	17.4	Z	
8 OCT.					
1.	eP	00 28	27.0	Z, Z'	
	D - 73° H - 00 17 01.1 Lat. - 15.1°S, Long. - 173.2°W h - 33 kms., Mag. - 6 (PAS), 5½-5 ¾ (BRK), 5.7 (CGS) (USCGS)				
2.	iP	05 02	34.5	Z	
	iS	02	37.0	NE	
3.	iP	05 46	00.5	NEZ	0.5
	iS	46	30.5	NE	0.05
4.	iP	06 28	04.5	Z	0.8
	iS	29	26.0	E	0.19
	D - 7.3°, 813 kms. H - 06 26 17.6 Lat. - 11.3°N, Long. - 125.9°E h - 39 kms., Mag. - 5.4 (CGS) (USCGS)				
5.	i(P)	08 27	16.0	Z	
	i(S)	28	08.0	E	
6.	iP	09 46	48.0	NZ	
	i(S)	47	22.0	N	
7.	iP	10 47	51.5	Z	
	iS	48	12.5	NE	
8.	iP	20 33	21.0	Z	
9.	iP	21 43	05.0	Z	
	iS	43	35.5	NE	
10.	iP	23 55	21.0	NZ	
	iS	55	39.0	NE	

Nagato, October, 1963

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
9 OCT.					
1.	1(P)	05 24	58.5	Z	
2.	1P	05 53	02.0	Z	
	1B	53	10.5	NE	
3.	1P	23 41	12.0	Z	
10 OCT.					
1.	1P	05 53	20.5	Z	
2.	1P	05 55	04.3	Z	
3.	1P	08 23	29.0	NEZ	
	1B	23	32.5	NE	
4.	1P	19 05	06.8	Z	
5.	1B	19 24	05.0	NEZ	
11 OCT.					
1.	1P	12 32	57.0	Z	
2.	1(P)	13 01	43.0	Z	
3.	1P	22 27	50.0	Z	
	1B	28	05.5	H	
12 OCT.					
1.	1B	03 57	31.0	NEZ	
2.	1P	04 55	17.6	Z	
	1B	55	30.0	NE	
3.	1P	11 34	04.3	Z, K'	
	D - 37° H - 11 26 57.9 Lat. - 44.8°N, Long. - 149.0°E h - 40 kms., Mag. - 6 3/4 - 7 (JAS), 6.7 (HRK), 6 3/4 - 7 (PAL) (USGS)				
4.	1P	12 00	03.5	Z	
	D - 37.5 H - 11 53 05 Lat. - 46.0°N, Long. - 148.8°E h - 33 kms., Mag. - 5.4 (GGS) (USGS)				
5.	1P	12 09	26.5	Z	
	D - 37° H - 12 02 18.8 Lat. - 44.4°N, Long. - 149.6°E h - 40 kms., Mag. - 4.5 (GGS) (USGS)				

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
12 OCT.					
6.	iP D - 37° H - 13 07 07.9 Lat. - 44.5°N, Long. - 149.4°E h - 50 kms., Mag. - 4.8 (CGS) (USCGS)	13 14 14.0	Z		
7.	iP D - 37.6° H - 13 54 58.3 Lat. - 43.5°N, Long. - 151.1°E h - 40 kms., Mag. - 4.3 (CGS) (USCGS)	14 02 16.0	Z		
8.	iP D - 37.5° H - 16 11 55.0 Lat. - 44.4°N, Long. - 149.7°E h - 60 kms., Mag. - 4.4 (CGS) (USCGS)	16 19 01.2	Z		
9.	iP D - 37.5° H - 16 28 10.4 Lat. - 44.8°N, Long. - 149.4°E h - 50 kms., Mag. - 4.3 (CGS) (USCGS)	16 35 18.0	Z		
10.	iP D - 37.5° H - 18 48 35.5 Lat. - 44.7°N, Long. - 149.4°E h - 50 kms., Mag. - 5.0 (CGS) (USCGS)	18 55 52.5	Z		
11.	iP	20 44 17.8	Z		
13 OCT.					
1.	iP D - 37.0° H - 01 26 34.3 Lat. - 44.4°N, Long. - 149.3°E h - 33 kms., Mag. - 4.4 (CGS) (USCGS)	01 33 43.0	Z	0.8	0.05
2.	iS	02 43 48.5	N		
3.	iP D - 37.5° H - 05 17 57.1 Lat. - 44.8°N, Long. - 149.5°E h - 60 kms., Mag. - 8½ (PAS), 7 ¾-8 (PAL), 8½-8½ (BRK) (USCGS)	05 25 03.6	Z, Z'		

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Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
13 OCT.					
4.	1P	06 53 50.0	Z	1.1	0.10
	D - 36.7° H - 06 46 54.0 Lat. - 45.3°N, Long. - 147.5°E h - 55 kms., Mag. - 5.3 (CGS) (USCGS)				
5.	1P	07 10 41.5	0.9	0.13	
	D - 38.5° H - 07 03 23.8 Lat. - 45.5°N., Long. - 150.6°E h - 50 kms., Mag. - 5.6 (CGS) (USCGS)				
6.	1P	08 18 46.5	Z	1.0	0.07
	D - 38.5° H - 08 11 32.0 Lat. - 44.5°N, Long. - 151.6°E h - 60 kms., Mag. - 4.8 (CGS)				
7.	1P	09 23 34.0	Z	0.7	0.19
	D - 37.0° H - 09 16 25.9 Lat. - 44.6°N, Long. - 149.6°E h - 50 kms., Mag. - 4.9 (CGS) (USCGS)				
8.	1P	09 30 03.0	Z	0.9	0.09
	D - 38.0° H - 09 22 44.6 Lat. - 44.9°N, Long. - 151.0°E h - 50 kms., Mag. - 5.0 (CGS) (USCGS)				
9.	1P	09 52 02.3	Z	0.8	0.42
	D - 37.7° H - 09 44 51.6 Lat. - 44.1°N, Long. - 150.0°E h - 45 kms., Mag. - 4.5 (CGS) (USCGS)				
10.	1P	10 13 34.8	Z	0.8	0.14
	D - 37.7° H - 10 06 23.8 Lat. - 44.2°N, Long. - 150.2°E h - 45 kms., Mag. - 4.5 (CGS) (USCGS)				

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
13 OCT.					
11.	iP	10 17 38.0	Z		
	D - 37.0°				
	H - 10 10 28.2				
	Lat. - 44.5°N, Long. - 149.6°E				
	h - 45 kms., Mag. - 4.7 (CGS)				
	(USCGS)				
12.	iP	10 36 40.5	Z	0.8	0.04
13.	iP	10 41 10.8	Z	0.7	0.22
	D - 37.0°				
	H - 10 33 57.3				
	Lat. - 44.4°N, Long. - 150.3°E				
	h - 45 kms., Mag. - 4.7 (CGS)				
	(USCGS)				
14.	iP	12 49 17.5	Z	0.9	0.07
	D - 37.0°				
	H - 12 42 13.0				
	Lat. - 44.4°N, Long. - 149.4°E				
	h - 55 kms., Mag. - 5.2 (CGS)				
	(USCGS)				
15.	iP	13 05 33.5	Z	0.9	0.12
	D - 38.0°				
	H - 12 58 21.6				
	Lat. - 45.0°N, Long. - 150.1°E				
	h - 50 kms., Mag. - 5.4 (CGS)				
	(USCGS)				
16.	iP	14 33 20.5	Z	0.8	0.12
	D - 37.0°				
	H - 14 26 11.9				
	Lat. - 44.5°N, Long. - 149.5°E				
	h - 50 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
17.	iP	14 51 25.3	Z		
	iS	51 46.0	N		
18.	iP	16 07 12.0	Z, Z'		
	iS	13 04.0	E'		
	D - 38.5°				
	H - 15 59 52.9				
	Lat. - 45.6°N, Long. - 150.5°E				
	h - 35 kms., Mag. - 5 3/4-6 (BRK), 6.1 (CGS)				
	(USCGS)				

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
13 OCT. 19.	iP D - 38.0° H - 16 28 58.2 Lat. - 44.9°N, Long. - 150.3°E h - 40 kms., Mag. - 5.2 (CGS) (USCGS)	16 36 14.3	Z		
20.	e(P) D - 37.0° H - 17 25 55.4 Lat. - 44.5°N, Long. - 150.8°E h - 45 kms., Mag. - 4.6 (CGS) (USCGS)	17 33 09.5	Z		
21.	iP D - 37.7° H - 18 10 55.2 Lat. - 44.0°N, Long. - 150.0°E h - 45 kms., Mag. - 4.7 (CGS) (USCGS)	18 18 09.0	Z	0.7	0.06
22.	iP D - 37.0° H - 18 13 44.6 Lat. - 44.2°N, Long. - 149.4°E h - 55 kms., Mag. - 4.7 (CGS) (USCGS)	18 20 51.0	Z	0.8	0.06
23.	iP D - 39.0° H - 19 27 38.2 Lat. - 45.7°N, Long. - 151.7°E h - 45 kms., Mag. - 5.5 (CGS) (USCGS)	19 35 02.0	Z	0.8	0.06
24.	iP D - 38.5° H - 21 55 00.8 Lat. - 44.7°N, Long. - 152.1°E h - 50 kms., Mag. - 5.5 (CGS) (USCGS)	22 02 20.0	Z	0.9	0.20
25.	iP D - 37.0° H - 23 52 22.8 Lat. - 44.5°N, Long. - 150.1°E h - 50 kms., Mag. - 5.5 (CGS) (USCGS)	23 59 34.5	Z	1.0	0.16

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
14 OCT.					
1.	1(P)	03 38 52.5	Z		
2.	1P D - 38° H - 04 06 01.7 Lat. - 44.9°N, Long. - 150.2°E h - 50 kms., Mag. - 5.3 (CGS) (USCGS)	04 13 14.0	Z, Z'		
3.	1P D - 38° H - 04 11 14.0 Lat. - 44.7°N, Long. - 150.6°E h - 45 kms., Mag. - 5.3 (CGS) (USCGS)	04 18 29.0	Z, Z'		
4.	1P D - 38° H - 04 13 03.1 Lat. - 44.9°N, Long. - 150.7°E h - 40 kms., Mag. - 5.2 (CGS) (USCGS)	04 20 19.2	Z		
5.	1P D - 38° H - 05 24 12.3 Lat. - 44.5°N, Long. - 151.0°E h - 55 kms., Mag. - 4.9 (CGS) (USCGS)	05 31 28.3	Z	1.1	0.17
6.	1P D - 37° H - 06 29 01.5 Lat. - 44.1°N, Long. - 149.4°E h - 35 kms., Mag. - 4.4 (CGS) (USCGS)	06 36 10.5	Z		
7.	1P D - 38° H - 07 15 58.0 Lat. - 44.6°N, Long. - 150.3°E h - 45 kms., Mag. - 4.9 (CGS) (USCGS)	07 23 11.6	Z		
8.	1P D - 38.5° H - 07 54 33.9 Lat. - 44.8°N, Long. - 151.2°E h - 55 kms., Mag. - 5.1 (CGS) (USCGS)	08 01 50.2	Z		

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
14 OCT.					
9.	iP	09 17 09.5	Z		
10.	iP iS	11 01 35.5 01 55.5	Z N		
11.	iP	12 38 02.8	Z		
12.	iP D - 37.5° H - 12 44 54.1 Lat. - 44.7°N, Long. - 150.2°E h - 50 kms., Mag. - 4.3 (USCGS)	12 52 05.5	Z		
13.	iP	13 00 30.0	Z		
14.	iP eS D - 38.5° H - 13 21 45.2 Lat. - 44.8°N, Long. - 151.0°E h - 60 kms., Mag. - 5.9 (USCGS)	13 28 59.0 34 38.0	Z N		
15.	iP D - 38.6° H - 13 53 17.4 Lat. - 45.0°N, Long. - 151.1°E h - 30 kms., Mag. - 4.8 (GGS) (USCGS)	14 00 38.0	Z		
16.	iP D - 20.3° H - 14 47 30.9 Lat. - 3.3°S, Long. - 126.7°E h - 33 kms., Mag. - 4.7 (USCGS)	14 52 03.0	Z		
17.	iP	15 29 23.0	Z		
18.	iP D - 16° H - 15 31 39 Lat. - 1.6°N, Long. - 127.6°E h - 231 kms., (USCGS)	15 35 16.0	Z		
19.	iP	15 54 35.0	Z		
20.	iP D - 38.5° H - 17 50 15.3 Lat. - 45.2°N, Long. - 151.3°E h - 60 kms., Mag. - 5.0 (GGS) (USCGS)	17 57 34.9	Z		

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Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
14 OCT.					
21.	i(P)	21 15 17.0	Z		
	D - 38.2°				
	H - 21 08 00.1				
	Lat. - 45.0°N, Long. - 150.5°E				
	(USCGS) h - 45 kms., Mag. - 5.1 (CGS)				
22.	iP	22 42 46.3	Z	1.0	0.19
	D - 38°				
	H - 22 35 31.7				
	Lat. - 44.5°N, Long. - 150.6°E				
	h - 45 kms., Mag. - 5.0 (CGS)				
	(USCGS)				
15 OCT.					
1.	iP	02 56 05.9	NEZ	0.5	0.52
	iS	56 15.7	NE		
2.	i(P)	03 23 34.3	Z		
	i(S)	24 05.0	N		
3.	iP	05 03 35.4	Z	0.8	0.09
4.	iP	12 42 34.0	Z	0.8	0.07
5.	iP	15 15 46.0	Z		
	iS	16 13.0	E		
6.	iP	18 31 18.5	Z, Z'	1.0	0.08
	eS	37 11.0	E'		
	D - 38.3°				
	H - 18 23 57.8				
	Lat. - 45.3°N, Long. - 151.0°E				
	h - 35 kms., Mag. - 4.9 (CGS)				
	(USCGS)				
7.	iP	20 48 49.5	Z	0.8	0.07
	D - 38.5°				
	H - 20 41 30.2				
	Lat. - 45.4°N, Long. - 151.1°E				
	h - 50 kms., Mag. - 4.9 (CGS)				
	(USCGS)				
8.	iP	21 49 47.0	Z'		
	iS	53 42.0	E'		
	D - 21.8°				
	H - 21 44 58.0				
	Lat. - 3.0°S, Long. - 129.9°E				
	h - 27 kms., Mag. - 5.2 (CGS)				
	(USCGS)				

Naguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
15 OCT.					
9.	1P	23 10	53.5	Z	
	1S	11	01.8	NE	
10.	1P	23 16	16.5	Z	0.7
	D - 38.3° H - 23 09 00.5 Lat. - 45.9°N, Long. - 149.9°E h - 40 kms., Mag. - 4.6 (CGS) (USCGS)				
11.	1(P)	23 36	09.0	Z	
16 OCT.					
1.	1P	02 36	59.2	Z	
	1S	37	13.4	NE	
2.	1P	05 22	52.8	Z	1.0
	D - 38° H - 05 15 36.1 Lat. - 44.8°N, Long. - 150.4°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)				
3.	1P	06 21	37.1	Z	
4.	1P	09 04	32.8	Z	
	1S	04	48.7	N	
5.	1P	10 38	12.0	Z	0.8
	D - 38° H - 10 30 55.2 Lat. - 45.2°N, Long. - 150.4°E h - 45 kms., Mag. - 5.0 (CGS) (USCGS)				
6.	1P	12 52	10.5	Z, Z'	
	eS	55	49.0	E'	
D - 19.6° H - 12 47 44.2 Lat. - 1.8°S, Long. - 127.9°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)					
7.	1P	15 51	31.0	Z, Z'	1.2
	1pP	53	25.0	Z'	0.29
	1S	58	22.0	E'	
	eSes	16 02	00.0	N'	
D - 46.8° H - 15 43 00.8 Lat. - 38.6°N, Long. - 73.4°E h - 33 kms., Mag. - 5.9 (CGS) (USCGS)					

Nagato, October, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
16 OCT.					
8.	1P 1S	16 01	49.3 59.0	Z NE	
9.	1P 1S	20 15	23.3 33.0	Z NEZ	
10.	1P D - 18.7° H - 20 39 30.5 Lat. - 8.8°N, Long. - 137.9°E h - 28 kms., Mag. - 5.0 (CGS) (USCGS)	20 43	47.0	Z ¹	
11.	1P D - 37.7° H - 21 30 52.7 Lat. - 44.4°N, Long. - 150.9°E h - 80 kms., Mag. - 5.0 (CGS) (USCGS)	21 38	12.5	Z	1.0 0.13
12.	1P	23 42	27.0	Z	
17 OCT.					
1.	1P D - 19.8 H - 03 05 30.2 Lat. - 11.6°N, Long. - 140.6°E h - 70 kms., Mag. - 5.1 (CGS) (USCGS)	03 10	19.5	Z	1.2 0.17
2.	1P	07 04	58.0	Z	
3.	1P	07 25	47.8	Z	
4.	1P	07 35	15.7	Z	
5.	1P D - 37° H - 08 10 55.2 Lat. - 44.3°N, Long. - 149.1°E h - 45 kms., Mag. - 4.7 (CGS) (USCGS)	08 18	02.0	Z	
6.	1P 1S	08 41 42	56.2 09.0	Z NE	
7.	1P	08 54	35.0	Z	
8.	1P 1S	08 56 56	39.0 53.5	Z NE	

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_Z (sec)	A_Z (micron)
17 OCT.					
9.	iP	09 07 51.4	Z		
10.	iP	09 14 49.0	Z		
11.	iP	09 35 38.0	Z		
	iS	35 52.9	NE		
12.	iP	10 24 03.7	Z		
13.	iP	11 30 36.8	Z		
	iS	30 51.8	NEZ		
14.	iP	14 13 40.0	Z		
15.	iP	14 16 06.0	Z		
	D - 8.8°				
	H - 14 13 59.8				
	Lat. - 9.8°N, Long. - 126.5°E				
	h - 33 kms., Mag. - 5.4 (CGS) (USCGS)				
16.	iP	15 30 59.5	Z		
17.	iP	18 10 24.0	Z		
18.	iP	18 44 51.0	Z		
19.	iP	23 31 40.0	Z		
	eS	37 22.5	N'		
	D - 37°				
	H - 23 24 34.4				
	Lat. - 44.6°N, Long. - 149.0°E h - 45 kms., Mag. - 5.4 (CGS) (USCGS)				
18 OCT.					
1.	iP	00 33 43.0	NEZ		
	iS	33 53.0	N'E'		
2.	iP	02 06 45.5	Z		
	D - 37°				
	H - 01 59 38.8				
	Lat. - 44.5°N, Long. - 149.1°E h - 45 kms., Mag. - 4.9 (CGS) (USCGS)				

Baguio, October, 1963

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

18 OCT.

3. iP 04 08 36.0 Z
 D - 37.5°
 H - 04 01 21.7
 Lat. - 44.5°N, Long. - 150.4°E
 h - 60 kms., Mag. - 4.9 (CGS)
 (USCGS)

4. iP 06 27 33.8 Z
 D - 37.5°
 H - 06 20 21.6
 Lat. - 44.7°N, Long. - 149.9°E
 h - 60 kms., Mag. - 4.3 (CGS)
 (USCGS)

5. ✓+ iP 09 00 45.0 Z
 D - 37.5°
 H - 08 53 33.9
 Lat. - 44.8°N, Long. - 150.2°E
 h - 60 kms., Mag. - 5.0 (CGS)
 (USCGS)

6. iP 12 59 54.0 Z

7. ✓+ iP 21 30 12.6 Z
 D - 38°
 H - 21 22 52.7
 Lat. - 45.2°N, Long. - 151.1°E
 h - 45 kms., Mag. - 5.0 (CGS)
 (USCGS)

19 OCT.

1. iP 02 06 10.0 Z
 iS 06 14.0 NEZ

2. ✓+ iP 02 26 29.2 Z

3. ✓+ iP 03 42 02.0 Z'
 eS 48 14.0 E'
 D - 41°
 H - 03 34 19.6
 Lat. - 46.6°N, Long. - 153.8°E
 h - 33 kms., Mag. - 5½ (PAL), 5.4 (CGS)
 (USCGS)

4. iP 09 04 21.0 Z

5. iP 11 03 39.0 Z
 iS 04 52.0 N

20 OCT.

1. ✓+ iP 01 00 24.0 Z, Z'
 D - 38.0°
 H - 00 53 07.2
 Lat. - 44.7°N, Long. - 150.7°E
 h - 25 kms., Mag. - 6 3/4 - 7 (PAS), 7¼ - 7½ (PAL)
 (USCGS)

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
20 OCT.					
2.	iP D - 37.5° H - 02 09 29.4 Lat. - 44.7°N, Long. - 150.0°E h - 45 kms., Mag. - 4.9 (CGS) (USCGS)	02 16 42.0	Z	0.8	0.11
3.	iS	04 29 39.5	NE		
4.	iP D - 37.2° H - 06 10 25.0 Lat. - 43.9°N, Long. - 150.7°E h - 50 kms., Mag. - 5.2 (CGS) (USCGS)	06 17 35.0	Z	0.7	0.06
5.	i(P)	08 25 25.0	Z		
6.	iP D - 36.6° H - 08 26 12.3 Lat. - 44.3°N, Long. - 149.4°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	08 33 21.5	Z	0.5	0.05
7.	iP eS D - 37.5° H - 09 10 43.9 Lat. - 44.4°N, Long. - 150.0°E h - 40 kms., Mag. - 5.5 (CGS) (USCGS)	09 17 54.0 23 41.0	Z N'	0.8	0.24
8.	iP iS D - 37.5° H - 11 52 20.7 Lat. - 44.7°N, Long. - 150.2°E h - 45 kms., Mag. - 5.1 (CGS) (USCGS)	11 59 32.5 12 05 22.0	Z N'E'		
9.	iP D - 38.0° H - 13 21 14.1 Lat. - 45.1°N, Long. - 150.5°E h - 45 kms., Mag. - 5.2 (CGS) (USCGS)	13 28 31.0	Z		

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
20 OCT.					
10.	iP	15 18 38.0	Z	0.8	0.10
	D - 37.8°				
	H - 15 11 23.5				
	Lat. - 44.1°N, Long. - 151.1°E				
	h - 50 kms., Mag. - 4.7 (CGS)				
	(USCGS)				
11.	i(P)	17 48 44.0	Z		
	D - 36.7°				
	H - 17 41 27.3				
	Lat. - 44.2°N, Long. - 149.6°E				
	h - 45 kms., Mag. - 4.8 (CGS)				
	(USCGS)				
12.	iP	18 06 06.5	Z		
	D - 36.7°				
	H - 17 58 58.7				
	Lat. - 44.2°N, Long. - 149.6°E				
	h - 45 kms., Mag. - 5.0 (CGS)				
	(USCGS)				
13.	i(P)	21 15 33.0	Z		
	D - 37.3°				
	H - 21 08 21.7				
	Lat. - 45.0°N, Long. - 149.8°E				
	h - 40 kms., Mag. - 4.5 (CGS)				
	(USCGS)				
21 OCT. - 25 OCT. * NO RECORDS					
26 OCT.					
1.	iP	04 02 51.0	Z		
	eS	08 38.0	N'		
	D - 37.5°				
	H - 03 55 39.7				
	Lat. - 44.5°N, Long. - 150.1°E				
	h - 55 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
2.	iP	06 06 54.8	Z		
	D - 37.5°				
	H - 05 59 44.2				
	Lat. - 44.5°N, Long. - 149.8°E				
	h - 60 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
3.	iP	11 28 59.0	Z	1.2	0.22
	eS	34 48.0	E'		
	D - 37.5°				
	H - 11 21 47.6				
	Lat. - 44.7°N, Long. - 149.7°E				
	h - 55 kms., Mag. - 5 (PAL), 5.4 (CGS)				
	(USCGS)				

Maguio, October, 1963

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 Date : Phase : Time (GMT) : Comp. : T₂(sec) : A₂(micron)

26 OCT.

4. 1P 11 39 04.0 Z
 D - 37.5°
 H - 11 31 53.0
 Lat. - 44.6°N, Long. - 149.8°E
 h - 55 kms., Mag. - 5.4 (CGS)
 (USCGS)

5. 1P 12 45 04.0 Z

6. 1P 19 00 54.0 Z
 D - 25.2°
 H - 18 55 39.1
 Lat. - 7.0°S, Long. - 129.7°E
 h - 125 kms., Mag. - 5.0 (CGS)
 (USCGS)

7. 1P 22 48 41.2 Z 1.5 1.10
 D - 38°
 H - 22 41 29.8
 Lat. - 5.2°S, Long. - 152.0°E
 h - 73 kms., Mag. - 5.9 (CGS)
 (USCGS)

27 OCT.

1. 1P 00 06 13.6 Z 0.8 0.14
 D - 38°
 H - 23 58 57.8 (26 Oct.)
 Lat. - 43.8°N, Long. - 151.2°E
 h - 33 kms., Mag. - 5.0 (CGS)
 (USCGS)

2. 1P 03 29 53.0 Z
 1S 30 34.2 E

3. 1(P) 05 10 47.7 Z
 1S 11 21.0 M

4. 1P 07 33 23.2 Z

5. 1P 16 46 28.0 Z

6. 1P 27 54 24.5 Z

7. 1(P) 18 46 41.0 Z'

8. 1P 20 12 49.0 Z 0.8 0.23
 D - 37.5°
 H - 20 05 28.1
 Lat. - 44.5°N, Long. - 150.1°E
 h - 50 kms., Mag. - 5-5½ (PAL), 5.2 (CGS)
 (USCGS)

9. 1P 21 26 50.8 Z
 1S 27 01.5 ME

Baguio, October, 1963

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 Date : Phase : Time (GMT) : Comp. : M_z (sec) : A_z (micron)

28 OCT.

1. iP 00 40 44.5 Z
 D - 15.4°
 H - 00 37 21
 Lat. - 1.9°N, Long. - 124.8°E
 h - 232 kms., Mag. - 5.0 (CGS)
 (USCGS)
2. iP 07 46 18.7 Z
3. eP 08 06 46.0 Z'
 D - 74.2
 H - 07 55 12.3
 Lat. - 24.3°S, Long. - 176.0°W
 h - 33 kms., Mag. - 5½ (BRK)
 (USCGS)
4. iP 12 11 54.0 Z, Z'
 eS 18 46.0 N'
 D - 47.7°
 H - 12 03 19.8
 Lat. - 52.8°N, Long. - 159.8°E
 h - 33 kms., Mag. - 5.5½ (BRK), 5-5½ (PAL), 5.7 (CGS)
 (USCGS)
5. iP 20 09 37.7 Z
 D - 70.8
 H - 19 59 15.0
 Lat. - 24.5°S, Long. - 179.9°E
 h - 532 kms., Mag. - 5.0 (CGS)
 (USCGS)
6. iP 20 35 15.0 Z
 iS 35 24.6 NE
7. iP 20 44 07.5 Z
 eS 49 57.0 E'
 D - 37.5°
 H - 20 36 56.0
 Lat. - 44.8°N, Long. - 149.6°E
 h - 45 kms., Mag. - 4.7 (CGS)
 (USCGS)
8. iP 21 56 18.0 Z
 D - 44°
 H - 21 48 24.1
 Lat. - 49.9°N, Long. - 154.7°E
 h - 105, Mag. - 4.8 (CGS)
 (USCGS)

Baguio, October, 1963

Date	Phase	Time (GMT)	Comp.	T_Z (sec)	A_Z (micron)
29 OCT.					
1.	iP D - 37.8° H - 02 23 53.6 La5. - 44.6°N, Long. - 151.2°E h - 45 kms., Mag. - 4.6 (CGS) (USCGS)	02 31 07.5	Z	0.7	0.03
2.	iP i(S)	04 31 05.8 31 24.5	NZ E	0.8	0.06
3.	iP iS	04 31 50.0 32 08.0	Z N		
4.	iP iS	04 37 00.9 37 20.2	Z NE		
5.	iP iS	04 42 12.8 42 32.0	Z NE		
6. ✓	oP	22 31 14.0	Z		
30 OCT.					
1.	iP iS	05 48 42.8 48 51.5	Z E		
2.	iP iS	07 56 54.0 57 47.7	Z NE		
3.	iP iS	08 36 15.2 36 30.8	Z E		
4.	iP	09 28 09.8	Z	0.7	0.04
5.	iS	10 59 34.0	NEZ		
6.	iS	13 23 58.2	NE		
7.	iP iS	13 35 38.5 35 53.5	Z E		
8.	iP iS	14 09 54.5 09 57.0	Z NE		
9.	i(P)	18 09 36.0	Z		

Baguio, October, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

31 OCT.

1.	iP	03	29	11.0	Z
	eS		38	48.5	N'
	D - 74°				
	H - 03 17 42.0				
	lat. - 21.8°S, Long. - 175.0°W				
	h - 33 kms., Mag. - 6 $\frac{1}{4}$ (PAS), 6 $\frac{1}{2}$ (BRK), 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (PAL), 5.2 (CGS) (USCGS)				
2.	iP	07	15	41.8	Z
	iS		15	53.0	N
3.	iP	09	01	46.7	Z
4.	iP	14	30	07.5	Z
	iS		30	20.0	E
5.	iP	17	55	57.0	Z
6.	iP	20	19	29.8	Z
7.	iP	21	02	48.0	Z

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_E (sec)	A_E (micron)
1 NOV.					
1.	iP	04 58	09.0	NEZ	
	iS	58	30.0	NE	
2.	iS	10 51	40.5	NEZ	
3. ✓/X	i(P)	21 10	48.0	Z	1.0
	D	- 73.2°			
	H	- 20 59 28.1			
	Lat.	- 22.5°S, Long.	- 176.8°W		
	h	- 71 kms., Mag.	- 5.4 (CGS)		0.16
	(USCGS)				
4. ✓/X	iP	22 48	29.5	Z	0.9
	D	- 37.3°			
	H	- 22 41 23.8			
	Lat.	- 44.9°N, Long.	- 148.9°E		
	h	- 60 kms., Mag.	- 5.5 (CGS)		0.33
	(USCGS)				
2 NOV.					
1.	iP	01 57	39.8	Z	
2.	iP	10 13	42.7	Z	
	iS	14	15.0	E	
3.	iP	12 32	30.0	NEZ	
	iS	32	32.0	NEZ	
4.	iP	13 18	23.5	Z	
	iS	18	31.8	N	
5.	iP	17 40	07.0	Z	
6.	iP	18 00	38.6	Z	
	D	- 37.3°			
	H	- 17 53 27.2			
	Lat.	- 44.0°N, Long.	- 150.5°E		
	h	- 50 kms., Mag.	- 5.0 (CGS)		
	(USCGS)				
7.	iP	18 21	16.0	Z	
3 NOV.					
1.	i(P)	02 16	22.5	Z	
	D	- 7.8°			
	H	- 02 14 24			
	Lat.	- 23.9°N, Long.	- 122.6°E		
	h	- 33 kms., Mag.	- 4.6 (CGS)		
	(USCGS)				

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_z (micron)
3 NOV.					
2.	iS	02 41 06.8	NE		
3.	PKP D - 159.0° H - 03 10 12.7 Lat. - 3.5°S, Long. - 77.8°W h - 33 kms., Mag. - 6 3/4 (PAS), 6-6 1/2 (BRK), 6 (PAL), 6.0 (CGS) (USCGS)	03 30 09.0	Z, Z'		
4.	iP	03 30 40.8	Z		
5.	iP iS	15 20 15.0 20 43.8	NEZ E	0.5	0.13
6.	iP	15 46 40.8	NEZ		
7.	iP D - 38.2° H - 19 22 53.6 Lat. - 45.3°N, Long. - 150.1°E h - 45 kms., Mag. - 4.7 (CGS) (USCGS)	19 30 10.1	Z	0.8	0.24
8.	i(P) iS	19 41 43.0 42 02.5	Z N		
9.	iS	20 48 28.0	NE		
4 NOV.					
1.	iP D - 25° H - 02 14 04.2 Lat. - 6.9°S, Long. - 129.5°E h - 76 kms., Mag. - 5.3 (CGS) (USCGS)	02 19 24.5	Z		
2.	iP D - 25° H - 02 36 41.1 Lat. - 7.0°S, Long. - 129.5°E h - 129 kms. (USCGS)	02 41 54.3	Z		
3.	iP D - 25.1° H - 03 43 15.9 Lat. - 6.9°S, Long. - 129.6°E h - 100 kms., Mag. - 5.1 (CGS) (USCGS)	03 45 31.0	Z		
4.	iP	04 35 22.0	Z		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
4 NOV.					
5.	i(P)	05 05 44.5	Z		
6.	iP D - 25° H - 05 22 59.0 Lat. - 6.8°S, Long. - 129.8°E h - 80 kms., Mag. - 5.4 (CGS) (USCGS)	05 28 16.0	Z	1.2	0.17
7.	i(P)	05 58 02.0	Z		
8.	iP	07 18 22.0	Z		
9.	iP	08 46 42.0	Z		
10.	iP	09 51 27.0	Z		
11.	iP	10 47 23.0	Z		
12.	iP D - 25° H - 15 13 35.1 Lat. - 7.0°S, Long. - 129.4°E h - 132 kms., Mag. - 5.9 (CGS) (USCGS)	15 18 49.5	Z		
13.	iP D - 25° H - 19 52 04.0 Lat. - 6.9°S, Long. - 129.5°E h - 104 kms. (USCGS)	19 57 21.0	Z		
14.	iP D - 47.7° H - 21 12 11.5 Lat. - 36.3°N, Long. - 71.3°E h - 148 kms., Mag. - 4.7 (USCGS)	22 19 30.0	Z		
15.	iP D - 25.1° H - 22 17 07.5 Lat. - 6.8°S, Long. - 129.8°E h - 122 kms., Mag. - 5.4 (CGS) (USCGS)	22 22 20.8	Z		
16.	iP D - 25.7° H - 22 25 03 Lat. - 0.9°S, Long. - 139.7°E h - 33 kms., (USCGS)	22 30 59.8	Z		
17.	iP	22 46 52.2	Z		

Baguio, November, 1963

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 Date ; Phase : Time(GMT) : Comp. : T_z(sec) : A_z(micron)

5 NOV.

- | | | | | | |
|----|--------------------------------|------------|----|-----|------|
| 1. | iP | 05 21 43.8 | Z | | |
| | D - 25.5° | | | | |
| | H - 05 16 31.2 | | | | |
| | Lat. - 7.3°S., Long. - 129.2°E | | | | |
| | h - 141 kms., Mag. - 5.1 (CGS) | | | | |
| | (USCGS) | | | | |
| 2. | iP | 06 11 35.0 | Z | | |
| | D - 25.0° | | | | |
| | H - 06 06 19 | | | | |
| | Lat. - 6.9°S., Long. - 129.4°E | | | | |
| | h - 94 kms., Mag. - 4.7 (CGS) | | | | |
| | (USCGS) | | | | |
| 3. | iP | 08 30 02.8 | Z | 0.6 | 0.06 |
| 4. | iP | 08 48 47.5 | Z | 0.9 | 0.32 |
| | D - 25.3° | | | | |
| | H - 08 43 33.8 | | | | |
| | Lat. - 7.2°S, Long. - 129.0°E | | | | |
| | h - 112 kms.; Mag. - 4.9 (CGS) | | | | |
| | (USCGS) | | | | |
| 5. | iP | 10 20 55.5 | EZ | | |
| | iS | 21 07.0 | NE | | |
| 6. | iP | 11 10 31.3 | Z | | |
| | iS | 10 43.2 | NE | | |
| 7. | eP | 23 56 39.0 | Z' | 0.8 | 0.31 |
| | D - 16.0° | | | | |
| | H - 23 52 56.3 | | | | |
| | Lat. - 1.7°N, Long. - 126.4°E | | | | |
| | h - 28 kms., Mag. - 5.8 (CGS) | | | | |
| | (USCGS) | | | | |

6 NOV.

- | | | | | | |
|----|--------------------------------|------------|-------|-----|------|
| 1. | iP | 01 24 42.0 | Z | | |
| | D - 25.8° | | | | |
| | H - 01 19 31.4 | | | | |
| | Lat. - 7.8°S, Long. - 129.8°E | | | | |
| | h - 158 kms., Mag. - 4.9 (CGS) | | | | |
| | (USCGS) | | | | |
| 2. | eIP | 02 18 44.5 | Z' | | |
| | iP | 18 47.5 | Z, Z' | 1.6 | 1.15 |
| | D - 26° | | | | |
| | H - 02 13 16.8 | | | | |
| | Lat. - 2.6°S, Long. - 138.4°E | | | | |
| | h - 33 kms., Mag. - 5.7 (CGS) | | | | |
| | (USCGS) | | | | |

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
6 NOV.					
3.	i(P) IS	02 32 41.0 33 13.5	Z NE		
4.	iP D - 26° H - 02 55 54.0 Lat. - 2.5°S, Long. - 138.6°E h - 32 kms., Mag. - 4.8 (CGS) (USCGS)	03 01 28.2	Z		
5.	iP D - 26° H - 03 00 12.2 Lat. - 2.2°S, Long. - 138.7°E h - 43 kms., Mag. - 5.1 (CGS) (USCGS)	03 05 43.0	Z	1.4	0.52
6.	iP	03 46 59.0	Z		
7.	i(P) D - 26° H - 04 06 45.4 Lat. - 2.4°S, Long. - 138.6°E h - 22 kms., Mag. - 5.3 (CGS) (USCGS)	04 12 22.5	Z		
8.	i(P) D - 26° H - 04 35 09.3 Lat. - 2.5°S, Long. - 138.4°E h - 33 kms., Mag. - (USCGS)	04 40 50.0	Z		
9.	i(P)	04 47 10.5	Z		
10.	iP	06 39 47.0	Z		
11.	iP e(s) D - 26° H - 07 35 25.6 Lat. - 2.5°S, Long. - 138.6°E h - 38 kms., Mag. - 5.5 (CGS) (USCGS)	07 40 59.0 45 24.0	Z E'		
12.	iP	09 01 09.0	Z		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
6 NOV.					
13.	iP	09 06	31.0	Z	
	e(S)	10	40.0	N	
	D - 25				
	H - 09 01 12.0				
	Lat. - 7.1°S, Long. - 129.2°E				
	h - 90 kms., Mag. - 5.5 (CGS)				
	(USCGS)				
14.	iP	11 53	34.0	Z	
15.	iP	13 58	56.0	Z	
	iS	59	14.2	N	
16.	iP	14 44	57.0	Z	
	iS	45	35.0	N	
17.	iP	21 24	42.8	Z	
7 NOV.					
1.	iP	00 00	13.0	Z	
	D - 25°				
	H - 23 55 10.1 (6 NOV.)				
	Lat. - 7.0°S, Long. - 129.7°E				
	h - 229 kms.,				
	(USCGS)				
2.	i(P)	02 48	28.7	Z	
	D - 26°				
	H - 02 42 57.8				
	Lat. - 2.5°S, Long. - 138.7°E				
	h - 69 kms., Mag. - 4.9 (CGS)				
	(USCGS)				
3.	iP	03 32	13.5	Z	
	D - 37.5°				
	H - 03 24 59.3				
	Lat. - 44.8°N, Long. - 150.1°E				
	h - 40 kms., Mag. - 4.0 (CGS)				
	(USCGS)				
4.	iP	05 15	15.0	Z	
5.	iP	06 59	05.8	Z	
6.	iP	09 24	32.0	Z	
7.	iP	09 30	09.8	Z	
	D - 38°				
	H - 09 22 53.3				
	Lat. - 44.2°N, Long. - 151.1°E				
	h - 50 kms., Mag. - 4.4 (CGS)				
	(USCGS)				
				1.0	0.11

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
7 NOV.					
8.	iP eS D - 25.2° H - 12 55 25.6 Lat. - 14.1°N, Long. - 146.2°E h - 48 kms., Mag. - 5.0 (CGS) (USCGS)	13 00 46.0 05 24.0	Z, Z' E'		
9.	iP	14 17 41.0	Z		
10.	iP	20 49 36.5	Z		
8 NOV.					
1.	iS	04 57 14.0	NE		
2.	e(P) i(S)	07 06 02.5 06 23.3	Z N		
3.	iP D - 38.6° H - 08 08 09.2 Lat. - 45.0°N, Long. - 150.9°E h - 40 kms., Mag. - 4.8 (CGS) (USCGS)	08 15 28.5	Z	1.0	0.09
4.	iP iS	11 07 34.5 08 02.0	Z E		
5.	i(P) iS	12 50 06.0 50 19.5	Z NE		
6.	i(P) iS iS	13 50 38.0 50 54.5	Z NE		
7.	iP iS	15 31 46.5 32 04.8	Z N		
8.	eP iS D - 16.0° H - 16 13 36.2 Lat. - 2.7°N, Long. - 128.4°E h - 216 kms., Mag. - 5.7 (CGS) (USCGS)	16 17 06.0 20 04.0	Z, Z' N'E'	1.0	0.98

Nagato, November, 1963

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 Date : Phase : Time (GMT) : Comp. : T_E(sec) : A_E(micron)

9 NOV.

1.	1P	02 22	49.0	Z
2.	1P	02 47	07.5	Z
3.	1(P)	07 00	47.7	Z
4.	1P D - 38° H - 08 35 25.3 Lat. - 45.6°N, Long. - 150.0°E h - 45 kms., Mag. - 4.2 (CGS) (USCGS)	08 42	41.0	Z
5.	1P D - 38.9° H - 08 51 18.6 Lat. - 45.9°N, Long. - 150.8°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)	08 58	38.5	Z
6.	1P	13 37	37.5	Z
7.	1P 1S	13 58 58	07.8 24.5	Z M
8.	1P D - 25.1° H - 18 50 42 Lat. - 7.1°S, Long. - 129.4°E h - 80 kms., Mag. - 5.2 (CGS) (USCGS)	18 55	59.3	Z
9.	1P	19 16	36.0	Z
10.	1P	19 37	09.0	Z
11.	PKP D - 167° H - 21 15 30.4 Lat. - 9.0°S, Long. - 71.5°W h - 600 kms., Mag. - 6 3/4 - 7 (PAS), 6 3/4 - 7 (BRK), 5.9 (CGS) (USCGS)	21 34	30.0	Z

10 NOV.

1.	PKP D - 167.5° H - 01 00 38.8 Lat. - 9.2°S, Long. - 71.5°W h - Mag. - 6 1/2 - 6 3/4 (PAS), 6 1/2 (BRK), 5.6 (CGS) (USCGS)	01 19	39.0	Z
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Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
10 NOV.					
2.	1(P) 1(S)	08 46 30.0 46 46.5	Z E		
3.	1P D - 36.8° H - 08 50 06.1 Lat. - 44.5°N, Long. - 149.4°E h - 45 kms., Mag. - 4.9 (CGS) (USCGS)	08 57 28.0	Z	0.9	0.13
4.	1(P) 1S	09 09 38.0 10 03.0	Z NE		
5.	1(P) 1S	10 15 58.0 16 18.5	Z N		
6. ✓	1P 1S D - 36.5° H - 17 17 42.7 Lat. - 44.4°N, Long. - 149.0°E h - 40 kms., Mag. - 5.5 (CGS) (USCGS)	17 24 48.0 30 33.0	Z, Z' N, N'	0.9	0.45
11 NOV.					
1.	1P D - 25.3° H - 00 15 04.8 Lat. - 7.0°S, Long. - 129.5°E h - 132 kms., Mag. - 5.6 (CGS) (USCGS)	00 20 19.0	E	1.0	0.09
2.	1P 1S	06 59 44.9 59 54.6	Z E		
3.	1P D - 36.9° H - 09 49 43.3 Lat. - 44.6°N, Long. - 148.9°E h - 55 kms., Mag. - 4.7 (CGS) (USCGS)	09 56 47.3	Z		
4.	1P	11 40 14.0	Z	1.0	0.30
12 NOV.					
1.	e1P 1S	06 20 43.2 21 38.5	Z E	0.8	0.14
2.	1P	08 07 23.0	Z		
3.	1P	08 40 22.0	Z		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
12 NOV.					
4.	iP D - 37° H - 13 00 00.7 Lat. - 44.2°N, Long. - 149.4°E h - 50 kms., Mag. - 4.9 (CGS) (USCGS)	13 07 06.6	Z		
5.	iP iS	15 18 53.0 18 59.0	NEZ NE		
6.	iP iS	15 23 30.0 23 36.0	NEZ NE		
7.	iP iS	17 45 37.0 45 43.0	NEZ NE		
8.	iP iS	19 59 45.0 20 00 12.6	Z E		
9.	iP iS	20 30 10.0 30 16.0	NEZ NE		
10.	i(P)	20 59 17.2	Z		
11.	iP iS	23 21 39.0 21 54.0	Z N		
13 NOV.					
1.	iP iS	02 25 43.8 26 38.0	Z N	0.7	0.03
2.	iS	06 25 31.3	N		
3.	iP D - 24.5° H - 08 38 58 Lat. - 4.9°S, Long. - 132.3°E h - 33 kms. (USCGS)	08 44 09.5	Z		
4. ✓	iP D - 71.0° H - 11 18 28.6 Lat. - 23.8°S, Long. - 179.9°W h - 520 kms., Mag. - 4.9 (CGS) (USCGS)	11 28 51.5	Z, S	0.86	0.06
5.	iP i(S)	16 45 36.4 46 06.0	Z E		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
13 NOV.					
6.	iP	21 03 57.5	Z	0.8	0.03
7.	i(P) iS	21 52 41.0 52 53.2	Z E		
14 NOV.					
1.	iP D - 22.3° H - 03 58 48.9 Lat. - 22.6°N, Long. - 142.9°E h - 177 kms., Mag. - 4.9 (CGS) (USCGS)	04 03 31.0	Z		
2.	iP D - 57.2° H - 04 35 48.5 Lat. - 17.5°S, Long. - 167.7°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)	04 45 36.0	Z		
3.	iP iS	06 06 24.3 06 27.0	Z NEZ		
4.	iP iS	10 36 23.7 36 29.5	Z NEZ		
15 NOV.					
1.	i(P)	03 55 19.5	Z		
2.	iP iS	14 04 17.0 04 37.0	Z E		
3.	iP iS	19 09 12.5 09 15.0	Z NEZ		
4.	iP D - 36.7° H - 21 06 34.0 Lat. - 44.3°N, Long. - 149.0°E h - 50 kms., Mag. - 6 (BRK), 6½-6½ (PAL), 6.0 (CGS) (USCGS)	21 13 38.0	Z, Z'		
16 NOV.					
1.	e(P) eS D - 36.7° H - 02 30 07.0 Lat. - 44.3°N, Long. - 149.0°E h - 50 kms., Mag. - 5.0 (CGS) (USCGS)	02 37 13.0 42 55.0	Z E'		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
16 NOV.					
2.	PKP D - 145 H - 06 46 15.7 Lat. - 41.3°S, Long. - 87.5°W h - 11 kms., Mag. - 5.3 (CGS) (USCGS)	07 05 53.0	Z, Z'		
3.	eP D - 23.8° H - 11 07 53.7 Lat. - 26.7°N, Long. - 97.2°E h - 33 kms., Mag. - 5.1 (USCGS)	11 13 08.0	Z'		
4.	iP iS	20 25 39.5 26 09.5	Z N		
5.	eP D - 74.5° H - 22 43 26.4 Lat. - 22.3°S, Long. - 175.0°W h - 33 kms., Mag. - 6 (PAS), 5½-5½ (BRK), 5.6 (CGS) (USCGS)	22 55 58.0	Z'		
6.	iP iS	23 30 53.0 31 13.8	NEZ E		
17 NOV.					
1.	PKP D - 149.0° H - 00 48 02.6 Lat. - 7.6°N, Long. - 37.4°W h - 33 kms., Mag. - 6½-6½ (PAS), 5½-5¾ (BRK), (USCGS) 6-6¼ (PAL), 5.9 (CGS)	01 07 49.0	Z, Z'		
2.	iP	03 46 22.5	Z	0.7	0.07
3.	eP D - 11.6°, 1290 kms., H - 07 50 34.4 Lat. - 6.3°N, Long. - 126.2°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)	07 53 30.0	Z'		
4.	iS	13 38 26.0	NE		
5.	iP iS	15 57 44.0 58 26.0	Z NE	0.7	0.07
6.	iP iS	21 02 23.3 02 33.9	EZ E		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
18 NOV.					
1.	e(P) D - 111° H - 14 38 28.9 Lat. - 29.9°N, Long. - 113.6°W h - 14 kms, Mag. - 6½ (FAS), 6½- 6 3/4 (PAL), 5.7 (CGS) (USCGS)	14 57 36.0	Z'		
2.	iP eS D - 55° H - 21 11 10.2 Lat. - 13.4°S, Long. - 166.6°E h - 51 kms., Mag. - 4.7 (CGS) (USCGS)	21 20 33.3 28 12.0	Z, Z' E'		
19 NOV.					
1.	i(P) i(S)	05 34 23.5 34 55.0	Z E		
2.	i(P) iS	08 42 49.0 43 12.0	Z E		
3.	iP iS	10 48 37.0 48 51.0	Z NE		
4.	iP	10 56 12.5	Z		
5.	eP eS D - 37.0° H - 11 00 54.3° Lat. - 44.4°N, Long. - 149.2°E h - 33 kms., Mag. - 5.8 (CGS) (USCGS)	11 08 00.5 13 45.0	Z, Z' N'E'		
6.	iP iS	12 51 46.5 52 06.5	Z E		
7.	iS	13 10 00.0	NE		
8.	iS	13 10 46.2	NE		
9.	iP iS	15 06 37.8 06 53.0	Z N		
10.	i(P) iS	16 36 34.0 36 52.5	Z N		
11.	iP iS	16 42 05.5 42 23.5	NEZ NE		
12.	iP	17 47 13.5	Z	1.0	0.06

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
19 NOV.					
12.	D - 47.3° H - 17 38 39.7 Lat. - 53.1°N, Long. - 159.6°E h - 40 kms., Mag. - 4.9 (CGS) (USCGS)				
13.	iP D - 28.0° H - 18 17 02.2 Lat. - 5.0°S, Long. - 102.2°E h - 37 kms., Mag. - 5.4 (CGS) (USCGS)	18 22	52.0	Z, Z'	
14.	iS	19 32	02.8	NE	
15.	iP iS	22 19	15.5 35.5	NZ N	0.5 0.06
20 NOV.					
1.	i(P)	03 10	53.5	Z	
2.	iP D - 35° H - 04 07 22.6 Lat. - 5.5°S, Long. - 148.2°E h - 201 kms., Mag. - 5.2 (CGS) (USCGS)	04 13	56.5	Z	1.3 0.19
3.	iP	09 27	33.5	Z	
4.	iP	13 02	06.3	Z	
5.	i(P)	13 07	49.0	Z	
6.	i(P)	18 52	21.8	Z	
21 NOV.					
1.	i(P) iS	11 58	49.2 01.5	Z N	
2.	iP D - 24.3° H - 16 22 42.4 Lat. - 13.0°N, Long. - 144.9°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	16 27	55.5	Z	
3.	iP D - 44.8° H - 21 01 35.3 Lat. - 50.3°N, Long. - 156.4°E h - 80 kms., Mag. - 5.3 (CGS) (USCGS)	21 09	41.0	Z	
4.	iP iS	22 43	46.0 08.0	Z E	

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
22 NOV.					
1.	eP D - 25.5 H - 00 18 35.9 Lat. - 5.9°S, Long. - 107.9°E h - 323 kms., Mag. - 5.1 (CGS) (USCGS)	00 23 38.0	Z		
2.	iP iS	02 56 59.8 57 08.0	Z NE		
3.	iP	03 32 10.0	Z		
4.	i(P)	05 46 41.2	Z		
5.	iP D - 37° H - 14 45 51.7 Lat. - 44.4°N, Long. - 149.0°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)	14 53 00.0	Z, Z'	1.0	0.36
6.	iP D - 37.2° H - 15 22 10.9 Lat. - 44.5°N, Long. - 149.2°E h - 40 kms., Mag. - 4.5 (CGS) (USCGS)	15 29 17.0	Z		
7.	e(P) D - 75° H - 17 03 38.9 Lat. - 17.9°S, Long. - 172.8°W h - 33 kms., Mag. - 5.2 (USCGS)	17 15 14.5	Z		
23 NOV.					
1.	i(P)	05 08 46.5	Z		
2.	iP iS	07 50 46.5 51 05.8	Z N		
3.	e(PP) D - 11° H - 07 50 46.3 Lat. - 30.1°N, Long. - 114.0°W h - 14 kms., Mag. - 6 (PAS), 6 (BRK), 5.1 (CGS) (USCGS)	08 10 08.0	Z'		
4.	iP	14 56 08.5	Z		

Baguio, November, 1963

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 Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)

24 NOV.

1.	iP	04 03 28.0	Z
2.	iP	11 10 27.8	Z, Z'
	iS	14 11.5	E'
	D - 21.5°		
	H - 11 05 56.8		
	Lat. - 28.2°N, Long. - 140.1°E		
	h - 260 kms., Mag. - 5.2 (CGS)		
	(USCGS)		
3.	i(P)	11 23 00.0	Z
	iS	23 18.5	E
4.	iS	15 27 59.0	N
5.	e(P)	17 42 03.0	Z
6.	iP	18 03 09.0	Z
	D - 36.7°		
	H - 17 56 02.2		
	Lat. - 44.3°N, Long. - 149.3°E		
	h - 50 kms., Mag. - 4.6 (CGS)		
	(USCGS)		
7.	iP	18 16 22.5	Z
	D - 38.8°		
	H - 18 09 08.7		
	Lat. - 46.4°N, Long. - 150.0°E		
	h - 40 kms., Mag. - 4.9 (CGS)		
	(USCGS)		
8.	iP	19 59 45.8	Z
	iS	20 00 07.3	E
9.	i(P)	23 01 43.0	Z

25 NOV.

1.	i(P)	06 50 58.0	Z
	D - 39.2		
	H - 06 43 23.5		
	Lat. - 45.4°N, Long. - 151.4°E		
	h - 33 kms., Mag. - 4.6 (CGS)		
	(USCGS)		
2.	e(P)	10 09 28.0	Z'
	D - 37.5°		
	H - 10 02 23.8		
	Lat. - 44.3°N, Long. - 149.5°E		
	h - 55 kms., Mag. - 4.9 (CGS)		
	(USCGS)		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
25 NOV.					
3.	iP	16 48 09.0	Z		
	D - 6.30				
	H - 16 46 36.2				
	Lat. - 22.6°N, Long. - 121.3°E				
	h - 33 kms., Mag. - 4.7 (CGS)				
	(USCGS)				
26 NOV.					
1.	e(P)	03 33 01.5	Z		
	iS	33 15.5	N		
2.	eP	06 57 22.5	Z, Z'	1.8	1.26
	eS	07 01 33.0	E'		
	D - 25.00				
	H - 06 52 08.2				
	Lat. - 6.8°S, Long. - 129.6°E				
	h - 111 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
3.	i(P)	07 42 15.5	Z		
4.	iP	23 00 34.0	Z, Z'	0.9	0.15
	eS	09 12.0	N'E'		
	D - 63.80				
	H - 22 50 08.9				
	Lat. - 16.6°S, Long. - 175.2°E				
	h - 33 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
27 NOV.					
1.	iP	14 02 27.2	Z		
	D - 14.80				
	H - 13 58 58.4				
	Lat. - 3.1°N, Long. - 126.6°E				
	h - 33 kms., Mag. - 4.8 (CGS)				
	(USCGS)				
2.	iP	20 48 33.5	Z		
28 NOV.					
1.	iP	11 08 09.0	Z		
2.	iP	11 18 30.0	Z		
	D - 9.10				
	H - 11 16 21.0				
	Lat. - 8.3°N, Long. - 124.5°E				
	h - 57 kms., Mag. - 5.8				
	(USCGS)				
3.	iP	11 47 02.0	Z		

Baguio, November, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
28 NOV.					
4.	iP	14 19 12.0	Z		
5.	iP	15 17 08.5	Z		
6.	iP	20 03 11.5	Z		
	D - 25.5° H - 19 57 56.7 Lat. - 7.1°S, Long. - 129.4°E h - 113, kms., Mag. - 4.6 (CGS) (USCGS)				
7.	iP	22 37 05.5	Z		
29 NOV.					
1.	e(P)	14 54 26.0	Z'		
	D - 23° H - 14 49 26.6 Lat. - 23.7°N, Long. - 143.2°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)				
2.	iP	18 26 54.5	Z		
	iS	27 16.5	NE		
3.	iP	18 40 35.0	Z		
	D - 37.7° H - 18 33 23.0 Lat. - 5.3°S, Long. - 151.6°E h - 58 kms., Mag. - 5.0 (CGS) (USCGS)				
4.	iP	22 50 13.0	Z		
30 NOV.					
1.	iP	09 51 50.0	Z, N'Z'		
	iS	55 05.0	E'Z'		
	D - 16.8° H - 09 47 59.0 Lat. - 1.6°N, Long. - 128.4°E h - 61 kms., Mag. - 5.5 (CGS) (USCGS)				
2.	iP	11 44 02.0	Z		
	iS	44 15.8	NE		
3.	iP	14 32 59.5	Z		
4.	iP	17 21 52.5	Z		
5.	e(P)	18 35 09.0	Z		

Magilo, November, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
30 NOV.					
6.	1P	19 45	50.8	NZ	
	1S	46	11.0	NE	
7.	1P	21 46	09.0	Z	
8.	e(P)	22 05	11.0	Z	

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
1 DEC.					
1.	iP	09 40		47.5	Z
2.	iP	11 59		45.0	Z
3.	iP	14 56		41.8	Z
	iS	56		49.0	NE
4.	iP	16 18		41.0	Z
	D - 15.6° H - 16 15 01 Lat. - 28.9°N, Long. - 130.0°E h - 31 kms., Mag. - 4.8 (CGS) (USCGS)				
5.	iP	23 39		47.2	Z
2 DEC.					
1.	iP	21 08		01.0	Z, Z'
	eS	18		02.0	N'E'
	D - 79.3° H - 20 55 58.8 Lat. - 80.1°N, Long. - 0.6°W h - 33 kms., Mag. - 5.1 (CGS) (USCGS)				
3 DEC.					
1.	iP	00 17		02.8	Z
	iS	17		22.0	NE
2.	e(P)	04 58		45.0	Z
	iS	59		04.5	NE
3.	iP	21 24		31.0	Z'
	eS	32		03.0	N'
	D - 54.0° H - 21 15 10.4 Lat. - 12.2°S, Long. - 166.0°E h - 33 kms., Mag. - 5.1 (CGS) (USCGS)				
4.	iP	21 39		30.0	Z
	D - 53.8° H - 21 30 05.7 Lat. - 12.0°S, Long. - 166.0°E h - 40 kms., Mag. - 4.8 (CGS) (USCGS)				
5.	PKP	23 23		51.0	Z'
	D - 169.5° H - 23 03 41.6 Lat. - 22.4°S, Long. - 69.3°W h - 18 kms., Mag. - 6 $\frac{1}{4}$ (PAS), 6.1 (CGS) (USCGS)				

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
4 DEC.					
1.	iP	02 51 05.0	Z		
2.	iP	02 58 49.0	NEZ		
	D - 23.4° H - 02 53 42 Lat. - 4.8°S, Long. - 130.1°E h - 33 kms., Mag. - (USCGS)				
3.	iP	12 05 34.7	Z		
	iS	06 35.0	N		
4.	iP	15 52 29.5	Z		
	D - 40.5° H - 15 44 52.9 Lat. - 46.0°N, Long. - 153.2°E h - 40 kms., Mag. - 4.9 (CGS) (USCGS)				
5.	e(P)	16 05 19.0	Z'		
6.	iP	19 37 24.5	Z		
	iS	37 39.5	NE		
7.	iP	23 08 17.5	Z		
	iS	08 30.5	NE		
5 DEC.					
1.	iP	00 23 41.5	Z		
	iS	23 59.0	N		
2.	i(P)	11 49 40.0	Z		
3.	iP	18 05 00.8	Z		
	i(S)	05 36.0	E		
4.	iP	22 38 19.3	Z		
5.	iP	23 17 17.5	Z		
	iS	17 35.0	E		
6.	iP	23 26 08.0	Z		
	i(S)	26 25.5	E		
6 DEC.					
1.	iP	02 03 47.5	Z		
2.	iP	05 35 10.0	Z		
3.	iP	05 49 56.7	NEZ		
	iS	50 13.0	N'		

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
6 DEC.					
4.	iP	06 52 59.5	Z		
	iS	53 18.0	E		
5.	i(P)	07 00 44.0	Z		
7 DEC.					
1.	iP	04 14 33.5	Z		
2.	iP	04 18 11.0	Z	1.0	0.22
3.	iP	06 13 53.5	NEZ		
4.	iP	10 43 55.3	Z		
5.	iP	11 13 54.5	Z		
6.	iP	12 50 06.0	Z		
	iS	50 17.0	NE		
7.	iP	12 53 42.5	NEZ		
8.	iP	13 25 02.0	NEZ		
	iS	25 13.0	NE		
9.	iP	14 17 45.0	NEZ		
10.	iP	15 23 04.7	Z		
	D - 23.4° H - 15 17 57.3 Lat. - 12.3°N, Long. - 143.9°E h - 33 kms., Mag. - 5.1 (CGS) (USCGS)				
11.	iP	17 48 40.0	Z		
12.	iP	18 19 33.5	Z		
8 DEC.					
1.	i(P)	03 07 09.0	Z		
	iS	07 30.0	N		
2.	iS	07 25 17.0	NE		
3.	eP	06 00 48.0	Z'		
	eS	06 57.0	E'		
D - 40.3° H - 07 53 15.1 Lat. - 46.4°N, Long. - 153.0°E h - 20 kms., Mag. - 5.2 (CGS) (USCGS)					
4.	iP	19 53 57.0	Z		

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
9 DEC.					
1.	iP	00 36 08.8	Z		
2.	iP	08 25 20.0	Z		
3.	iP	08 41 09.5	Z		
	D - 37.5° H - 08 33 57.6 Lat. - 44.0°N, Long. - 150.4°E h - 50 kms., Mag. - 4.7 (CGS) (USCGS)				
4.	iP	11 04 12.5	Z		
	D - 71.6° H - 10 53 39.4 Lat. - 21.1°S, Long. - 178.0°W h - 435 kms., Mag. - 5.0 (CGS) (USCGS)				
5.	iP	11 17 15.2	Z		
	iS	17 19.3	E		
6.	iP	11 24 57.0	Z		
	D - 10.8 H - 11 22 27.3 Lat. - 7.6°N, Long. - 126.8°E h - 139 kms., Mag. - 4.5 (CGS) (USCGS)				
7.	iP	19 40 41.0	Z		
	iS	40 54.0	NE		
8.	iP	21 18 58.8	Z		
10 DEC.					
1.	iP	03 36 02.3	NZ, N'Z'		
	iS	39 49.0	E'		
	D - 24.0° H - 03 31 21.1 Lat. - 6.2°S, Long. - 128.1°E h - 366 kms., Mag. - 5.6 (CGS) (USCGS)				
2.	iP	03 42 39.8	Z	0.7	0.10
3.	iP	04 30 51.0	Z		
	iS	31 14.8	E		
4.	iP	10 01 06.0	NEZ		
	iS	01 09.2	NE		

Baguio, December, 1963

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 Date : Phase : Time (GMT) : Comp. : T_z(sec) : A_z(micron)

10 DEC.

5.	i(P) iS	11 09 54.5 10 04.5	Z NE		
6.	iP D - 10.3° H - 13 08 08.7 Lat. - 7.2°N, Long. - 125.1°E h - 33 kms., Mag. - 4.7 (CGS) (USCGS)	13 10 43.0	Z	0.9	0.09
7.	iS	15 47 59.5	N		
8.	iP iS	18 49 18.5 49 23.5	NEZ E		
9.	iP iS	22 41 05.8 41 09.0	Z NEZ		

11 DEC.

1.	iP	03 03 33.5	Z		
2.	iP	03 52 31.0	Z		
3.	iP D - 24.2° H - 03 54 39.5 Lat. - 7.2°S, Long. - 125.5°E h - 145 kms., Mag. - 5.3 (CGS) (USCGS)	03 59 50.0	Z		
4.	iP iS	05 54 45.5 54 19.0	Z NE	1.0	0.11
5.	iP iS	06 49 27.0 49 50.0	Z N		
6.	iP	08 16 36.0	Z		
7.	iP	14 38 54.7	Z		
8.	eP D - 59° H - 17 08 12.3 Lat. - 51.1°N, Long. - 179.3°W h - 32 kms., Mag. - 5.3 (CGS) (USCGS)	17 18 10.2	Z'		
9.	iP	17 43 44.5	Z		

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
12 DEC.					
1.	1P	05 46		58.0	Z
	1S	47		09.5	NE
2.	1P	09 32		30.0	NEZ
	1S	32		34.5	E
3.	1(P)	09 35		29.0	Z
4.	1P	10 08		42.3	Z
	1S	09		08.0	N
5.	1P	12 39		34.0	Z
6.	1P	23 31		56.5	Z
13 DEC.					
1.	1P	05 00		25.0	NEZ
	1S	00		41.0	E
2.	1P	16 03		41.0	Z
	1S	03		55.0	N
3.	1(P)	20 31		12.0	Z
14 DEC.					
1.	1P	08 03		02.0	Z
2.	1P	08 50		12.7	Z
3.	1P	13 59		54.8	Z
4.	1P	15 13		47.0	Z
15 DEC.					
1.	1P	05 21		03.5	NEZ
	1S	21		09.3	NE
2.	1(P)	07 06		08.0	Z
	D - 15.1° H - 07 02 36.5 Lat. - 28.6°N, Long. - 129.9°E h - 33 kms., Mag. - 4.8 (OGS) (USGS)				
3.	1P	13 10		43.0	NEZ
	1S	10		49.0	NE
4.	1P	14 38		04.2	Z
	1S	38		25.5	E
5.	1P	15 11		00.8	Z

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
15 DEC.					
6.	iP	17 57 15.5	Z		
7.	iP	19 39 18.3	Z, Z'		
	D - 24.5° H - 19 34 45.5 Lat. - 4.8°S, Long. - 108.0°E h - 650 kms., Mag. - 6.4 (CGS) (USCGS)				
8.	iP	21 29 45.0	NEZ		
	iS	29 51.0	NE		
9.	i(P)	23 29 12.7	Z		
16 DEC.					
1.	iS	00 09 28.9	NEZ		
2.	e(P)	05 13 34.7	Z		
	D - 25.2° H - 05 08 14.0 Lat. - 5.0°S, Long. - 133.8°E h - 39 kms., Mag. - 5.0 (CGS) (USCGS)				
3.	iP	06 05 14.0	Z		
	iS	05 23.8	E		
4.	iP	07 11 22.5	Z		
	iS	11 28.0	E		
5.	iP	10 01 43.0	Z		
	iS	01 49.0	NE		
6.	iP	11 18 11.8	Z		
	iS	18 17.8	NE		
7.	iP	13 56 32.0	Z		
8.	eP	14 00 44.5	Z		
9.	e(P)	14 22 12.0	Z'		
10.	iP	23 07 15.5	Z		
	iS	07 31.0	N'		

Baguio, December, 1963

Date : Phase : Time (GMT) : Comp. : T_z (sec) : A_z (micron)

17 OCT.

1. i(P) 14 35 00.5 Z
2. iP 23 27 57.5 NEZ
is 28 03.5 NEZ

18 OCT.

1. i(P) 02 58 09.0 Z
D - 39°

H - 02 50 31.0
Lat. - 45.5°N, Long. - 151.3°E
h - 33 kms., Mag. - 5.2 (CGS)
(USCGS)

2. i(P) 06 47 52.0 Z
D - 41°

H - 06 40 05.6
Lat. - 41.7°N, Long. - 82.5°E
h - 33 kms., Mag. - 5.2 (CGS)
(USCGS)

3. iP 11 59 13.5 Z

4. iP 12 06 31.0 Z
is 06 39.0 NE

5. iP 13 36 00.4 Z

6. iP 15 31 53.0 Z
is 32 08.3 E

7. iP 15 34 14.7 NEZ

8. iP 22 08 30.0 Z
is 08 34.0 NE

9. iP 23 57 04.8 Z
is 57 20.7 E

19 DEC.

1. iP 05 22 43.0 Z
is 23 03.5 E

2. iP 06 21 35.0 Z
is 21 56.5 E

3. iP 15 36 12.0 NEZ

4. (PKP) 17 24 35.0 Z'

D - 161°
H - 17 04 07.8
Lat. - 9.7°S, Long. - 79.1°W
h - 56 kms., Mag. - 5.1 (CGS)
(USCGS)

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
20 DEC.					
1.	iP D - 47.3° H - 00 23 50.2 Lat. - 8.6°S, Long. - 160.4°E h - 69 kms., Mag. - 5.5 (CGS) (USCGS)	00 32 14.4	Z	1.3	0.57
2.	iP D - 25.1° H - 08 57 17.8 Lat. - 7.0°S, Long. - 129.3°E h - 103 kms., Mag. - 5.5 (CGS) (USCGS)	09 02 34.5	NZ		
3.	e(P)	15 44 55.0	Z'		
4.	iP iS	20 59 14.5 59 38.7	Z N		
21 DEC.					
1.	iP iS	09 23 35.5 25 39.7	Z NE		
2.	iP	12 45 43.0	Z		
3.	iP D - 108 kms., H - 13 09 09.6 Lat. - 16.1°N, Long. - 119.7°E h - 49 kms., Mag. - 5.6 (CGS) (USCGS)	13 09 27.5	EZ, N'E'Z'		
4.	iP iS	19 28 45.0 28 59.0	Z N		
5.	iP	20 35 24.5	Z		
6.	iP	21 04 31.5	Z		
22 DEC.					
1.	iP iS	04 34 33.5 34 42.0	NEZ, Z' N'		
2.	iP iS	19 18 26.0 18 38.8	Z NE		
3.	iP iS	19 39 04.0 39 28.8	Z E		

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
23 DEC.					
1.	i(P)	07 27	27.0	Z	
	iS	27	44.5	E	
2.	iS	07 29	09.5	N	
3.	eP	16 26	40.0	Z	
	D - 889 kms., 32.0°				
	H - 16 24 46				
	Lat. - 24.5°N , Long. - 121.8°E				
	h - 130 kms., Mag. - 4.7 (CGS) (USCGS)				
4.	iP	18 46	52.5	Z	
	D - 36.7°				
	H - 18 39 46.6				
	Lat. - 44.1°N , Long. - 149.4°E				
	h - 65 kms., Mag. - 4.8 (CGS) (USCGS)				
24 DEC.					
1.	iP	02 33	22.5	Z	
	D - 38.8°				
	H - 02 26 01.4				
	Lat. - 45.2°N , Long. - 151.4°E				
	h - 50 kms., Mag. - 4.5 (CGS) (USCGS)				
2.	iP	03 08	18.0	Z	
	D - 39°				
	H - 03 00 57.3				
	Lat. - 45.5°N , Long. - 151.3°E				
	h - 50 kms., Mag. - 4.9 (CGS) (USCGS)				
3.	iP	03 34	53.5	Z	
	D - 39°				
	H - 03 27 23.9				
	Lat. - 45.5°N , Long. - 151.5°E				
	h - 45 kms., Mag. - 4.8 (CGS) (USCGS)				
4.	iP	11 17	24.0	Z	
	iS	17	33.5	NE	
5.	iP	11 27	37.0	NEZ	
	eS	35	14.0	N'E'	
	D - 54.6°				
	H - 11 18 15.2				
	Lat. - 13.1°S , Long. - 166.7°E h - 61 kms., Mag. - 5.5 (CGS) (USCGS)				

Magpie, December, 1963

Date	Phase	Time (GMT)	Comp.	T_R (sec)	A_R (micron)
24 DEC.					
6.	1P	11 49 30.0	NEZ		
7.	1(P)	13 01 11.0	Z		
8.	1P	14 27 01.3	Z		
	D - 8.4° H - 14 24 59.6 Lat. - 10.0°N, Long. - 126.1°E h - 33 kms., Mag. - 5.7 (CGS) (USCGS)				
25 DEC.					
1.	1S	09 48 47.5	NE		
2.	1P	14 57 20.7	Z		
	1S	57 31.5	NE		
3.	1(P)	16 12 22.0	Z		
	1S	13 05.5	E		
26 DEC.					
1.	1P	00 25 01.5	Z		
	1(S)	25 30.0	E		
2.	1P	16 27 36.0	Z	1.0	0.28
	D - 16.5° H - 16 23 54.2 Lat. - 1.4°N, Long. - 126.7°E h - 65 kms., Mag. - 4.8 (CGS) (USCGS)				
27 DEC.					
1.	1P	10 53 15.5	NEZ		
	1S	53 17.5	NE'		
2.	1S	11 09 25.5	NE		
28 DEC.					
1.	1P	05 52 41.0	Z, Z'		
	o(S)	58 36.0	E'		
	D - 39.4° H - 05 45 20.2 Lat. - 5.1°S, Long. - 153.5°E h - 70 kms., Mag. - 5.5 (CGS) (USCGS)				
2.	1P	07 22 10.0	Z		

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
28 DEC.					
3.	iP	09 15	35.0	Z	
	e(S)	25	03.0	E	
	D - 75.8° H - 09 03 52.9 Lat. - 32.7°S, Long. - 178.9°W h - 33 kms., Mag. - 5 $\frac{1}{2}$ - 5 $\frac{3}{4}$ (PAI), 5.8 (CGS) (USCGS)				
4.	iP	10 57	09.5	Z	
5.	iP	13 13	54.0	NEZ	
6.	iP	18 51	53.5	Z	
29 DEC.					
1.	PKP	17 35	51.0	Z'	
	D - 170.0° H - 17 15 39.2 Lat. - 18.5°S, Long. - 69.7°W h - 113 kms., Mag. - 5.5 (CGS) (USCGS)				
30 DEC.					
1.	iP	01 02	50.0	Z	1.1
	D - 21.7° H - 00 58 13.3 Lat. - 3.4°S, Long. - 128.8°E h - 82 kms., Mag. - 5.0 (CGS) (USCGS)				
2.	iP	01 20	22.0	Z'	
	i(S)	24	33.0	E'	
	D - 23.0° H - 01 15 24.5 Lat. - 21.6°N, Long. - 144.5°E h - 120 kms., Mag. - 5.2 (CGS) (USCGS)				
3.	i(P)	01 37	35.0	Z	
4.	iP	03 25	33.7	Z	
	iS	25	50.0	E	
5.	iS	06 13	15.5	NE	
6.	iP	06 31	14.0	Z	
	iS	31	43.0	N	
7.	iP	08 58	02.5	Z	
	iS	58	06.3	NE	
8.	iP	10 58	27.0	Z	
	iS	58	56.5	N	

Baguio, December, 1963

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
30 DEC.					
9.	iS	11 40	50.5	NEZ	
10.	iP	13 13	30.3	Z	
	i(S)	14	01.0	E	
11.	iP	13 36	43.5	Z	
	iS	42	36.0	E'	
	D - 38.3° H - 13 29 25.3 Lat. - 45.5°N, Long. - 150.6°E h - 40 kms., Mag. - 5.7 (CGS) (USCGS)				
12.	iP	15 06	21.0	Z, N'Z'	
	iS	08	18.0	E'	
	D - 8.9° H - 15 04 14.2 Lat. - 9.4°N, Long. - 126.0°E h - 102 kms., Mag. - 5.3 (CGS) (USCGS)				
13.	iP	18 31	17.0	Z	
	iS	31	34.5	N	
14.	iP	22 11	49.0	Z	
31 DEC.					
1.	iP	00 32	01.5	Z	
2.	i(P)	04 46	55.5	Z	
	iS	47	35.0	E	
3.	iP	10 48	25.3	Z	
	iS	48	53.5	E	
4.	PKP	17 56	45.0	Z'	
	PKS	18 00	10.0	Z'	
	D - 126 H - 17 37 32.1 Lat. - 56.5°S, Long. - 26.0°W h - 30 kms., Mag. - 6½ (PAL), 6.3 (CGS) (USCGS)				