

Baguio, January 1964

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

1 JAN.

1.	iS	01 35	45.0	N		
2.	i(P)	05 05	06.0	Z		
3.	iP	05 20	21.0	Z		
4.	iP	10 34	15.8	Z		
	iS	34	28.5	NE		
5.	iP	12 27	10.5	NZ, N'Z'		
	e(S)	31	43.0	N'		
	D - 25.00					
	H - 12 21 55.4					
	Lat. - 6.8°S, Long. - 129.8°E					
	h - 96 kms., Mag. - 5.7 (CGS)					
	(USCGS)					
6.	iP	14 42	26.5	NEZ	0.5	0.32
	iS	42	39.0	NE		
7.	e(P)	15 52	53.0	Z		
8.	iP	17 34	05.5	N'Z'	0.8	0.07
	iS	40	02.0	N'E'		
	D - 38.80					
	H - 17 26 43.5					
	Lat. - 45.4°N, Long. - 151.9°E					
	h - 45 kms., Mag. - 5½ - 5 3/4 (BRK), 6 (PAL), 5.6 (CGS)					
	(USCGS)					
9.	iP	19 02	10.2	Z		
	iS	02	12.8	N		
10.	i(P)	19 14	05.0	Z		
	iS	14	16.5	N		
11.	e(P)	20 08	14.0	Z		
	D - 27.50					
	H - 20 02 32.5					
	Lat. - 3.2°S, Long. - 139.7°E					
	h - 33 kms., Mag. - 6.3 (CGS)					
	(USCGS)					
12.	iS	22 13	16.5	E		

2 JAN.

1.	iP	05 10	27.3	Z		
	D - 48°					
	H - 05 01 53.5					
	Lat. - 53.0°N, Long. - 159.6°E					
	h - 40 kms., Mag. - 4.9 (CGS)					
	(USCGS)					

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

2 JAN.

2.	1P	05 29	49.0	Z		
	D - 50°					
	H - 05 21 00.5					
	Lat. - 54.6°N, Long. - 161.5°E					
	h - 33 kms., Mag. - 4.9 (CGS)					
	(USCGS)					
3.	1P	06 04	25.0	Z		
4.	1P	11 06	18.5	Z		
5.	1P	19 23	27.7	Z	1.2	0.15
	09	29	47.0	N		
	D - 44.2°					
	H - 19 15 23.9					
	Lat. - 8.4°S, Long. - 157.1°E					
	h - 33 kms., Mag. - 5.5 (CGS)					
	(USCGS)					

3 JAN.

1.	1P	06 19	47.0	Z	0.7	0.11
	D - 24.8°					
	H - 06 14 24.4					
	Lat. - 6.9°S, Long. - 128.7°E					
	h - 33 kms.,					
2.	1P	07 15	20.0	Z		
	1S	15	27.5	E		
3.	1P	07 20	04.3	Z		
	D - 25.0°					
	H - 07 14 54.2					
	Lat. - 7.1°S, Long. - 129.0°E					
	h - 157 kms.,					
4.	1(S)	17 49	42.5	N		
5.	1P	21 35	17.5	Z	0.8	0.13
	D - 71.0°					
	H - 21 24 56.3					
	Lat. - 20.4°S, Long. - 178.2°W					
	h - 520 kms., Mag. - 5.3 (CGS)					
	(USCGS)					
6.	1P	22 11	26.0	Z		
	1S	11	47.0	NE		

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

4 JAN.

1.	1P 1B	05 12	09.0 36.8	Z N		
2.	1P	06 27	08.0	Z		
3.	1P D - 5.2° H - 10 38 58.8 Lat. - 21.6°N, Long. - 121.8°E h - 33 kms., Mag. - 4.7 (CGS) (USCGS)	10 40	17.5	Z		
4.	1P	14 17	06.2	Z		
5.	1P	15 19	12.7	Z		
6.	1(P)	15 53	11.5	Z		
7.	1P D - 38° H - 16 17 16.5 Lat. - 44.4°N, Long. - 150.8°E h - 50 kms., Mag. - 4.7 (CGS) (USCGS)	16 24	31.0	Z		
8.	1P D - 5.2° H - 16 44 16.9 Lat. - 21.7°N, Long. - 121.8°E h - 33 kms.,	16 45	38.7	Z		
9.	1P D - 36.7° H - 17 40 23.3 Lat. - 5.5°S, Long. - 150.0°E h - 117 kms., Mag. - 5.2 (CGS) (USCGS)	17 47	21.0	Z		

5 JAN.

1.	1P	06 13	28.8	Z		
2.	1P	10 23	35.0	Z	1.0	0.13
3.	oP oB	16 49 53	28.0 36.0	Z' N'		

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

6 JAN.

1.	ePP ePS D - 104.3 H - 23 46 10.7 Lat. - 52.3°S, Long. - 28.6°E h - 33 kms.,	00	04	26.0	Z N'E'		
2.	1P 1(S)	03	44	45.0 20.5	Z N		
3.	1P 1S	05	04	20.0 48.5	NZ E		
4.	1(P)	05	24	57.0	Z		
5.	1P D - 12.4° H - 05 54 42.7 Lat. - 27.2°N, Long. - 127.3°E h - 110 kms., Mag. - 5.7 (CGS) (USCGS)	05	57	37.0	Z		
6.	1P	06	48	20.5	Z		
7.	1P	07	16	29.5	Z		
8.	1(P)	09	42	23.0	Z		
9.	1P 1S	10	08	37.7 06.5	Z E		
10.	1P	10	58	45.0	Z		
11.	1P	16	10	52.5	Z	0.8	0.09
12.	1(P)	19	32	57.0	Z		
13.	1P 1S D - 44.5° H - 23 45 23.4 Lat. - 50.9°N, Long. - 157.3°E h - 33 kms., Mag. - 5½ - 5 3/4 (MEX), 5½ (PAL), 5.6 (CGS) (USCGS)	23 00	53 00	38.5 13.0	Z N' - (7 JAN.)		

7 JAN.

1.	1P	04	37	59.0	Z		
2.	1P	10	46	19.5	Z		
3.	1P	23	27	00.8	Z		

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

8 JAN.

1.	1(P) 1S	01 47 39.0 48 08.0	Z N		
2.	1(P)	04 03 53.5	Z		
3.	1(P)	06 20 14.0	Z		
4.	1P 1(S)	06 47 36.0 47 53.0	Z E		
5.	1P	16 07 44.8	Z		
6.	1S	16 55 14.5	NEZ		
7.	1S	18 11 01.5	NE		
8.	1P 1S D - 20.0° H - 22 30 49.7 Lat. - 3.7°S, Long. - 119.4°E h - 90 kms., Mag. - 5.2 (CGS) (USCGS)	22 35 17.0 39 04.0	Z, N'Z' E'	1.0	0.35

9.	1P 1S	23 19 39.5 19 47.0	Z NE		
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9 JAN.

1.	1P	02 10 32.5	Z		
2.	1P D - 31° H - 02 59 21.6 Lat. - 41.7°N, Long. - 141.9°E h - 50 kms., Mag. - 5.0 (CGS) (USCGS)	03 05 41.2	Z		
3.	1P	10 48 13.5	Z		
4.	1P	12 30 25.0	Z		
5.	1P	17 24 24.7	Z		
6.	1P 1S D - 39° H - 18 31 52.4 Lat. - 45.9°N, Long. - 150.9°E h - 40 kms., Mag. - 5.6 (CGS), 5 3/4-6 (BRK), 5 3/4 - 6 (PAL) (USCGS)	18 39 13.5 45 08.0	Z, Z' N'E'		

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

10 JAN.

1.	1P eS D - 32° H - 04 50 53.4 Lat. - 42.0°N, Long. - 142.6°E h - 33 kms., Mag. - 5.5 (CGS), M_L - 5 3/4 (NEZ), 5 3/4 (PAL) (USCGS)	04 57 15.5 05 02 20.0	Z E'
2.	1P 1S	07 47 50.6 48 00.4	Z E
3.	1P	10 55 47.5	Z
4.	1P D - 37.7° H - 10 52 45.6 Lat. - 44.8°N, Long. - 149.6°E h - 33 kms., Mag. - 4.5 (CGS) (USCGS)	10 59 58.0	Z
5.	1P	11 42 44.0	Z
6.	1P 1S	13 30 43.8 30 58.0	NEZ E
7.	1P 1S	14 20 33.5 20 44.0	NEZ N'E'
8.	1P	14 51 46.0	Z
9.	1P eS D - 38.1° H - 16 57 26.5 Lat. - 45.4°N, Long. - 150.0°E h - 50 kms., Mag. - 5.4 (CGS) (USCGS)	17 04 40.0 10 28.0	Z, Z' E'
10.	1P	19 03 37.5	Z
11.	1P D - 15.9° H - 19 21 58 Lat. - 2.8°N, Long. - 127.0°E h - 33 kms. (USCGS)	19 25 36.0	Z
12.	1S	20 53 14.2	NEZ

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

10 JAN.

13. 1P 21 58 02.0 Z
 sS 22 02 26.0 E
 D - 25.2°
 H - 21 52 47.6
 Lat. - 6.9°S, Long. - 129.4°E
 h - 117 kms., Mag. - 5.5 (CGS)
 (USCGS)

14. 1P 23 47 56.0 Z
 1S 48 06.3 NE

15. 1P 23 53 21.0 Z

11 JAN.

1. 1P 05 50 49.3 Z
 1S 50 58.5 E

2. 1P 07 59 11.7 Z
 1S 59 40.3 N

3. 1P 12 55 28.0 Z
 i(S) 56 29.0 N

4. 1(P) 13 27 12.0 Z
 1S 27 43.0 NE

5. 1P 14 32 35.0 Z
 1S 32 49.0 N

6. 1P 22 07 25.5 Z
 D - 25.2°
 H - 22 02 03
 Lat. - 8.6°S, Long. - 123.4°E
 h - 70 kms., Mag. - 5.5 (CGS)
 (USCGS)

7. 1P 23 26 49.0 Z
 1S 27 58.0 E

8. 1P 23 27 44.0 Z
 1S 28 15.5 E

12 JAN.

1. 1P 02 43 02.5 Z

2. 1P 02 51 05.3 Z

3. 1P 03 56 32.0 Z
 1S 56 42.1 NE

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

12. JAN.

 4. 1P 06 11 02.5 Z,Z'
 es 20 11.0 E'
 D - 66.7°
 H - 06 00 13.2
 Lat. - 53.2°N, Long. - 166.3°W
 h - 33 kms., Mag. - 5.5 (CGS), 5½ (MFK)
 (USCGS)

 5. 1P 11 19 41.1 Z
 es 24 45.0 E'
 D - 34.2°
 H - 11 13 19.6
 Lat. - 5.4°S, Long. - 146.8°E
 h - 229 kms., Mag. - 5.6 (CGS)
 (USCGS)

 6. 1P 12 56 33.8 Z
 D - 66°
 H - 12 45 51.1
 Lat. - 31.5°N, Long. - 49.4°E
 h - 67 kms., Mag. - 5.2 (CGS)
 (USCGS)

7. 1P 17 41 44.2 Z

8. 1(P) 18 41 11.0 Z

9. 1(P) 21 56 12.5 Z

13 JAN.

 1. 1P 07 41 21.5 Z
 1S 41 43.5 E

 2. 1P 10 37 16.0 Z
 1S 37 39.3 E

 3. 1P 13 25 08.5 NEZ
 1S 25 13.5 NE

 4. 1P 14 23 42.0 NEZ
 1S 24 14.5 E

 5. 1P 18 58 24.0 Z' 1.1 0.11
 D° - 53.4°
 H - 18 49 09.8
 Lat. - 11.6°S, Long. - 166.7°E
 h - 59 kms., Mag. - 5.2 (CGS)
 (USCGS)

 6. 1P 19 49 21.0 Z
 1(S) 49 53.0 E

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 Date : Phase : Time (GMT) : Comp. : T_m (sec) : A_m (micron)

14 JAN.

1.	e(P) D - 76.8° H - 04 17 50.5 Lat. - 28.8°S, Long. - 176.2°W h - 89 kms., Mag. - 4.7 (CGS) (USCGS)	04 29 26.0	Z'		
2.	1P	05 18 33.0	Z		
3.	1P	09 58 21.5	Z		
4.	1P 1S	11 07 15.3 07 21.0	NEZ NE		
5.	1P 1S	12 38 50.0 38 55.0	Z NE		
6.	1P D - 320 kms. H - 15 06 35.3 Lat. - 13.6°N, Long. - 120.5°E h - 44 kms., Mag. - 4.5 (CGS) (USCGS)	15 07 18.3	Z	1.1	0.51
7.	e1P 1pP 1S D - 37.2° H - 15 38 13.8 Lat. - 5.2°S, Long. - 150.8°E h - 169 kms., Mag. - 5.6 (CGS) (USCGS)	15 45 07.8 45 35.0 50 42.0	Z Z' NE, N'E'	1.2	4.97
8.	1P	18 27 26.0	NEZ		

15 JAN.

1.	1P D - 38.3° H - 02 23 47.4 Lat. - 45.3°N, Long. - 150.6°E h - 45 kms., Mag. - 5.3 (CGS) (USCGS)	02 31 06.5	Z	0.9	0.10
2.	1P 1S	04 29 38.0 29 48.5	Z N		
3.	1P D - 74.4° H - 18 46 32.9 Lat. - 28.4°S, Long. - 178.4°W h - 211 kms., Mag. - 4.7 (CGS) (USCGS)	18 57 46.5	Z	1.2	0.29

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Date	Phase	Time (GMT)			Comp.	T_R (sec)	A_R (micron)
15 JAN.							
4.	1P	21	41	02.0	Z, N'E, Z'		
	1S		45	08.0	N'E'		
	D - 22.8°						
	H - 21 36 05.0						
	Lat. - 29.1°N, Long. - 140.8°E						
	h - 70 kms., Mag. - 6 3/4 (PAS), 6-6 1/2 (BRK), 6-6 1/2 (PAL), 6.4 (CGS)						
	(USCGS)						
16 JAN.							
1.	1(P)	06	59	41.0	Z		
2.	1(P)	07	22	15.2	Z		
3.	1P	08	56	16.5	Z		
4.	1P	14	47	27.5	Z		
	1S		47	32.8	NE		
17 JAN.							
1.	1P	03	01	42.3	Z	1.1	0.09
	D - 39°						
	H - 02 54 22.6						
	Lat. - 45.4°N, Long. - 151.3°E						
	h - 55 kms., Mag. - 5.1 (CGS)						
	(USCGS)						
2.	1P	03	04	41.0	Z'		
	1S		13	02.0	E'		
	D - 62°						
	H - 02 54 26.8						
	Lat. - 21.6°N, Long. - 169.9°E						
	h - 30 kms., Mag. - 5 1/2 (PAL)						
	(USCGS)						
3.	1P	03	22	59.0	Z		
4.	1P	03	33	32.4	Z		
	D - 47.5°						
	H - 03 25 00.6						
	Lat. - 36.8°N, Long. - 71.4°E						
	h - 94 kms., Mag. - 5.2						
	(USCGS)						
5.	1S	07	29	58.5	E		
6.	1P	07	32	08.7	NEZ		
	1S		32	29.0	NE		
7.	1P	09	41	40.2	Z		

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17 JAN.

8.	i(P)	11 00	31.0	Z	
9.	1P	12 10	23.0	Z	
10.	1S	14 57	04.5	N	
11.	1P	18 42	08.0	Z	
	1S	42	25.0	NE	

18 JAN.

1.	1P	01 24	45.0	Z	
	1S	25	03.5	NE	
2.	1(P)	02 41	34.0	Z	
	1S	41	48.5	N	
3.	1P	03 57	07.0	NEZ	0.8
4.	1P	06 01	23.5	Z	
5.	1P	12 06	17.5	N'Z'	
	e(S)	07	42.0	E'	

D - 6.7°

H - 12 04 40.0

Lat. - 23.1°N, Long. - 120.5°E

h - 33 kms., Mag. - 6 3/4 (PAS), 6 3/4 - 7 (BHE),
 (USCGS) 6 1/2 - 6 3/4 (PAL), 5.9 (CGS)

6.	1P	12 34	24.0	Z	
	D - 7.5°				
	H - 12 32 36.3				
	Lat. - 23.5°N, Long. - 122.9°E				
	h - 33 kms., Mag. - 4.8 (CGS)				
	(USCGS)				

7.	1P	13 07	05.0	Z	
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8.	1(P)	13 44	45.0	Z	
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D - 6.8°

H - 13 43 05.6

Lat. - 23.1°N, Long. - 120.8°E

h - 31 kms., Mag. - 4.5 (CGS)

(USCGS)

9.	1P	14 46	42.0	Z	
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1S 47 30.0 NE

D - 4.5°, 500 kms.

H - 14 45 39.4

Lat. - 20.6°N, Long. - 122.1°E

h - 18 kms., Mag. - 4.9 (CGS)

(USCGS)

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18 JAN.					
10.	1P	22 30	Z	03.0	
	1S	30	NE	11.8	
11.	1P	22 55	Z	39.5	
19 JAN.					
1.	1(P)	02 20	Z	26.0	
	1S	20	N	46.5	
2.	1P	04 09	Z	47.5	
	1S	10	NE	07.0	
3.	1P	07 08	Z	14.0	
	D - 45.5° H - 07 00 03.3 Lat. - 9.2°N, Long. - 158.2°E h - 32 kms., Mag. - 5.7 (CGS) (USCGS)				
4.	1(P)	08 48	Z	33.5	
	D - 5.3°, 589 kms. H - 08 47 10 Lat. - 21.8°N, Long. - 120.9°E h - 18 kms., Mag. - 4.6 (CGS) (USCGS)				
5.	1(P)	09 24	Z	14.5	
	D - 62.7° H - 09 13 53.5 Lat. - 26.9°N, Long. - 54.0°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)				
6.	1(P)	11 03	Z	21.0	
7.	1P	16 14	Z	36.8	
	D - 06.50 H - 16 12 50.0 Lat. - 23.0°N, Long. - 120.4°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)				
20 JAN.					
1.	1P	04 49	NEZ	23.0	
	D - 10.2° H - 04 46 59.7 Lat. - 8.2°N, Long. - 126.6°E h - 110 kms., Mag. - 4.9 (CGS) (USCGS)				

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20 JAN.

2. 1P 13 50 04.0 Z
 D - 16.7°
 H - 13 46 08.3
 Lat. - 0.9°N, Long. - 126.2°E
 h - 33 kms., Mag - 4.3 (CGS)
 (USCGS)
3. 1P 15 41 23.0 Z
 D - 6.9°
 H - 15 39 41.5
 Lat. - 23.2°N, Long. - 120.3°E
 h - 49 kms., Mag. - 5.1 (CGS)
 (USCGS)
4. 1P 17 18 36.0 NEZ
 1Pp 19 04.0 Z'
 es 26 44.0 N'E'
 D - 61.7°
 H - 17 08 37.4
 Lat. - 20.7°N, Long. - 169.9°E
 h - 141 kms., Mag. - 6.1 (CGS), 6 3/4 (PAS), 7 - 7 1/2 (BRK),
 (USCGS) 5 3/4 - 6 (PAL)
5. 1P 20 38 54.5 Z
 D - 267 kms., 2.4°
 H - 20 38 16.5
 Lat. - 18.8°N, Long. - 120.7°E
 h - 53 kms., Mag. - 4.8 (CGS)
 (USCGS)

21 JAN.

1. 1P 04 29 54.0 Z
2. 1P 05 01 18.5 Z
 1S 01 36.0 N
3. 1(P) 05 59 46.5 Z
 1S 06 00 08.0 N
4. 1P 08 28 28.5 Z
 1S 29 02.8 N
5. 1P 22 20 00.3 Z,Z' 1.5 0.86
 D - 7.5°, 830 kms.
 H - 22 18 13.0
 Lat. - 10.6°N, Long. - 125.3°E
 h - 53 kms., Mag. - 5.2 (CGS)
 (USCGS)

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Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
21 JAN.					
6.	1(P)	23 29	30.3	Z	
	1S	29 29	35.3	NE	
7.	1(P)	23 40	16.5	Z	
	1S	40 40	43.5	E	
22 JAN.					
1.	1(P)	08 53	08.0	Z	
	1S	53 53	25.3	E	
2.	1P	09 17	28.5	Z	
	D - 26.0° H - 09 12 03.4 Lat. - 4.2°S, Long. - 136.2°E h - 71 kms., Mag. - 5.1 (CGS) (USCGS)				
3.	1P	09 26	01.5	Z	0.7
	1S	26 26	32.0	NE	0.16
4.	1P	10 27	39.7	NEZ	
	1(S)	27 28	29.0	N'	
5.	1P	16 04	14.0	Z, E, Z'	
	1S	04 08	49.0	E'	
D - 26.7° H - 15 58 46.5 Lat. - 22.4°N, Long. - - 93.6°E h - 88 kms., Mag. - 5 1/2 - 5 3/4 (PAL), 6.1 (CGS) (USCGS)					
6.	1(P)	17 47	19.5	Z	
	D - 24.7° H - 17 41 50 Lat. - 4.0°S, Long. - 133.9°E h - 33 kms., (USCGS)				
7.	1P	18 24	42.0	NE	
8.	1(P)	18 51	05.5	Z	
9.	1P	22 35	29.0	NEZ	
	1S	35 35	49.0	E	
23 JAN.					
1.	1P	00 09	04.5	Z, E'	0.8
	1S	09 16	41.0	N'	0.33
D - 54.0° H - 23 59 43.6 (JAN. 22) Lat. - 13.7°S, Long. - 165.9°E h - 33 kms., Mag. - 6 1/2 (PAS), 6 3/4 - 7 (NEK), 6-6 1/2 (PAL) (USCGS) 6.0 (CGS)					

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23 JAN.

2.	1(P) 1S	02 42	15.0 19.5	Z NEZ
3.	1P 1S	03 03 04	16.0 34.0	Z N
4.	1P 1S	03 28	03.5 40.0	Z E
5.	1P	13 48	03.8	Z
6.	1P D - 5.3°, 589 kms. H - 16 02 55.5 Lat. - 11.5°N, Long. - 122.5°E h - 47 kms., Mag. - 4.5 (CGS) (USCGS)	16 10	11.0	Z
7.	1P	19 01	12.5	Z
8.	1P 1S	23 00 01	46.0 31.2	Z E

24 JAN.

1.	1P eS D - 39.5° H - 02 40 00.1 Lat. - 4.2°N, Long. - 154.2°E h - 416 kms., Mag. - 4.3 (CGS) (USCGS)	02 46 52	51.8 20.5	Z N
2.	1P D - 40.1° H - 03 52 29.3 Lat. - 5.9°N, Long. - 154.0°E h - 85 kms., (USCGS)	03 59	56.0	Z
3.	1P 1S	13 48	39.0 41.8	Z NE
4.	1P e(S)	17 17 25	32.5 47.0	Z E
5.	1P e(S)	17 22 32	14.0 10.0	Z E'
6.	1P	17 25	40.0	Z

Bugala, January, 1964

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

24 JAN.

7.	1P	17 28	22.0	Z
8.	1P	19 56	38.0	Z
	1S	56	39.9	NE
9.	1P	20 12	58.0	Z
10.	1P	21 38	39.0	NE
	es	44	24.0	E'

D - 38°
 H - 21 31 24.2
 Lat. - 44.5°N, Long. - 150.3°E
 h - 33 kms., Mag. - 4.7 (CGS)
 (USCGS)

25 JAN.

1.	1(P)	03 31	29.5	Z
2.	1(P)	20 54	16.5	Z

26 JAN.

1.	1P	03 58	37.5	Z
	1S	58	52.0	N
2.	1PKP1	09 29	29.0	Z, Z'
	1PKP2	30	40.0	Z'
	esP	34	22.0	Z'

D - 172°
 H - 09 09 33.9
 Lat. - 16.3°S, Long. - 151.7°W
 h - 116 kms, Mag. - 6.1 (CGS), 6 3/4 (PAS), 6 1/2 (BRK)
 (USCGS) 5 1/2 - 5 3/4 (PAL)

3.	1P	14 53	52.0	Z
	1S	54	20.3	E
4.	1P	17 39	11.0	Z

27 JAN.

1.	1(P)	05 44	36.8	N
2.	1P	18 39	14.5	Z
	1S	39	26.7	E
3.	1P	20 31	55.5	Z
	1S	32	26.0	E

Baguio, January, 1964

Date	Phase	Time (GMT)	Comp.	T_m (sec)	A_m (micron)
28 JAN.					
1.	IS	04 08 25.0	N		
2.	e(P) D - 36.0° H - 05 43 22.1 Lat. - 6.3°N, Long. - 148.7°E h - 33 kms., Mag. - 5½ - 5½ (PAL), 5.1 (GGS) (USGGS)	05 50 20.0	Z'		
3.	1P IS	06 39 49.0 39 55.5	Z NE		
4.	IS	06 54 18.0	NE		
5.	1P IS D - 5.3°, 589 kms. H - 09 00 46.9 Lat. - 21.7°N, Long. - 121.6°E h - 33 kms.	09 02 05.5 03 12.0	Z E		
6.	1P IS	11 40 28.8 40 49.0	Z E		
7.	1P 1pP IS D - 48.5° H - 14 09 17.1 Lat. - 36.5°N, Long. - 70°E h - 207 kms., Mag. - 6 3/4 (PAS), 6 (PAL), 6.1 (GGS) (USGGS)	14 17 39.5 18 22.5 24 24.0	Z, Z' N' E' Z' E'	1.4	0.88
8.	1(P) D - 24.0° H - 16 26 05.6 Lat. - 7.0°S, Long. - 124.5°E h - 407 kms., Mag. - 5.1 (GGS) (USGGS)	16 30 46.5	Z		
9.	1P D - 38.0° H - 17 46 16.2 Lat. - 45.3°N, Long. - 149.8°E h - 33 kms., Mag. - 4.4 (GGS) (USGGS)	17 53 34.3	Z	0.8	0.08
10.	1P IS	19 06 29.0 06 36.0	NE N		

Baguio, January, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
28 JAN.					
11.	1P	21 18		22.5	Z
	1B	18		29.5	N
12.	1(P)	22 05		46.0	Z
29 JAN.					
1.	1P	00 05		02.2	Z
2.	1P	08 50		51.0	Z
	oB	53		26.0	B'
D - 14.5° H - 08 47 30 Lat. - 3.0°N, Long. - 125.7°E h - 133 kms., Mag. - 4.9 (OCS) (USCGS)					
3.	1P	17 49		52.0	B
4.	1P	18 42		54.5	Z
30 JAN.					
1.	1(P)	07 36		08.0	Z
2.	1P	07 07		13.8	Z
	D - 575 kms. H - 09 06 02 Lat. - 11.4°N, Long. - 121.6°E h - 33 kms., Mag. - 4.2 (OCS) (USCGS)				
3.	1P	12 44		40.3	Z
	D - 25.4° H - 12 39 23.8 Lat. - 1.7°N, Long. - 99.6°E h - 133 kms., Mag. - 5.4 (OCS) (USCGS)				
4.	1P	14 40		03.5	Z
5.	1(P)	17 25		24.5	Z
	D - 23° H - 17 20 30.5 Lat. - 23.3°N, Long. - 143.4°E h - 33 kms., Mag. - 4.7 (OCS) (USCGS)				
6.	o(P)	18 12		22.0	Z'
7.	1(P)	22 01		10.0	Z
8.	1(P)	22 05		36.0	Z
9.	1P	23 57		08.5	Z
	1B	57		22.0	B

Baguio, January, 1964

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

1.	1P 1S	03 57	01.3 38.0	Z E
2.	1P	09 48	40.2	Z
3.	1P 1S	12 00	03.0 24.7	Z E
4.	1P D - 7.5° H - 12 30 31 Lat. - 23.8°N, Long. - 121.0°E h - 33 kms., Mag. - 4.3 (CGS) (USCGS)	12 32	20.7	Z
5.	1P	20 01	45.5	Z

Baguio, February, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
1. FEB.					
1.	IS	10 30	05.0	Z	
2.	1P	13 53	04.0	NEE	
	IS	53 25.0		NE	
3.	1P	20 53	57.0	Z	
	IS	54 38.0		N	
2 FEB.					
1.	1P	02 53	00.5	Z	
	IS	53 20.0		E	
2.	1(P)	06 35	53.0	Z	
	IS	36 07.0		NE	
3.	1P	08 34	07.2	NEE, Z'	
4.	1P	08 56	43.0	Z, N, Z'	
	D - 8.0° , 890 kms. H - 08 54 48.3 Lat. - $24.2^\circ N$, Long. - $122.6^\circ E$ h - 28 kms., Mag. - 5.0 (CGS) (USCGS)				
5.	IS	10 18	19.8	NE	
6.	1P	13 35	48.0	Z	
	IS	35 55.7		NE	
3 FEB.					
1.	1P	02 58	32.2	Z	
2.	1P	07 05	38.0	Z	
3.	1(P)	09 44	57.0	Z	
4.	1P	11 17	32.0	NEE	
	IS	17 42.0		NEE	
5.	1P	12 16	24.6	Z	
	IS	16 37.0		NE	
4 FEB.					
1.	IS	08 47	42.2	N	
2.	1P	10 10	11.8	Z	

Dagupan, February, 1964

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

5 FEB.

1.	1P 1S	04 09 10	47.0 00.2	Z NE		
2.	1P eS D - 27.0° H - 11 30 16.2 Lat. - 36.4°N, Long. - 140.9°E h - 52 kms., Mag. - 5.4 (CGS), 6½ (PAS) (USCGS)	11 35 40	51.0 20.0	Z' E'		
3.	1P D - 69.5° H - 11 35 18.6 Lat. - 19.7°S, Long. - 179.8°W h - 414 kms., Mag. - 5.5 (CGS) (USCGS)	11 45	41.0	Z	0.8	0.31
4.	1(P) D - 9.4° H - 15 23 24 Lat. - 23.8°N, Long. - 126.4°E h - 45 kms., Mag. - 4.2 (CGS) (USCGS)	15 25	38.0	Z		
5.	1P 1S	20 14 14	44.5 57.2	NEZ NE		

6 FEB.

1.	1(P)	02 13	53.0	Z		
2.	1P 1S	02 20 20	26.0 42.0	Z E		
3.	1P 1S	02 47 47	48.2 55.5	Z NE		
4.	1P	03 58	35.5	Z		
5.	1P 1S	09 38 38	39.5 50.3	Z N		
6.	1P	11 52	31.8	NEZ		
7.	1P	12 04	48.3	NEZ		
8.	1P D - 73° H - 13 07 25.2 Lat. - 55.7°N, Long. - 155.8°W h - 33 kms., Mag. - 5.6 (CGS), 6½-6¾ (NEK), 6¾ - 7 (PAL) (USCGS) 6¾ - 7 (PAS)	13 18	52.0	Z		

Maguio, February, 1963

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
6 FEB.					
9.	1P D - 73.1° H - 13 13 45.2 Lat. - 55.8°N, Long. - 155.9°W h - 33 kms, Mag. - 5.4 (CGS) (USCGS)	13 25 11.0	Z	1.0	0.16
10.	1P D - 26.8° H - 15 19 38.1 Lat. - 10.5°S, Long. - 120.7°E h - 43 kms., Mag. - 4.9 (CGS) (USCGS)	13 25 16.5	Z		
11.	1P 1S	17 26 19.7 26 31.0	NEZ E		
12.	1P	18 17 00.0	Z		
13.	1P D - 9.7° H - 19 08 57.8 Lat. - 24.0°N, Long. - 126.4°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)	19 11 12.5	Z		
7 FEB.					
1.	1P D - 40.1° H - 06 31 21.8 Lat. - 5.8°S, Long. - 154.0°E h - 77 kms., Mag. - 4.6 (CGS) (USCGS)	06 38 50.0	Z	1.0	0.20
2.	1(P) D - 9.5° H - 08 34 09.6 Lat. - 23.8°N, Long. - 126.4°E h - 45 kms., Mag. - 4.8 (CGS) (USCGS)	08 36 23.0	Z		
3.	1P	13 01 23.0	Z		
4.	1P 0S D - 29.6° H - 12 58 53.6 Lat. - 39.8°N, Long. - 142.8°E h - 45 kms., Mag. - 5.4 (CGS) (USCGS)	13 05 03.8 09 57.0	Z E'		

Bugio, February, 1964

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

7 FEB.

5. IP 20 26 33.7 Z
 IS 26 55.9 NE
 6. IP 21 40 37.5 Z
 D - 9.6°
 H - 21 38 22.1
 Lat. - 23.8°N, Long. - 126.5°E
 h - 45 kms., Mag. - 4.2 (CGS)
 (USCGS)

8 FEB.

1. IP 09 58 12.0 Z
 D - 9.1°
 H - 09 55 59.9
 Lat. - 9.2°N, Long. - 126.2°E
 h - 57 kms., Mag. - 5.7 (CGS)
 (USCGS)
 2. IP 11 27 18.3 Z
 D - 55.7°
 H - 11 17 46.5
 Lat. - 52.3°N, Long. - 175.6°E
 h - 60 kms., Mag. - 5.4 (CGS)
 (USCGS)
 3. IP 11 47 11.0 NEZ
 IS 47 22.0 E
 4. IP 12 05 35.0 Z
 IS 05 45.8 E
 5. IP 12 13 03.0 Z
 IS 13 14.0 NE
 6. 1(P) 17 17 32.3 Z
 7. IP 18 13 35.8 NEZ
 IS 13 55.5 NE

9 FEB.

1. IP 02 10 17.0 Z
 2. IP 06 34 25.8 NEZ
 3. IP 09 28 08.5 NZ
 4. IP 11 54 56.0 Z
 IS 55 07.7 NE
 5. e(P) 15 38 39.0 Z'

Bague, February, 1964

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 Date : Phase : Time (GMT) : Comp. : T_H(sec) : A_H(micron)

10 FEB.

1.	1P	07	01	38.8	NEZ
	1S		01	43.0	E
2.	1P	09	52	19.5	Z
	1S		52	36.0	NE
3.	1P	10	07	02.0	Z
4.	1P	12	01	45.2	Z
5.	1P	16	25	39.0	Z
6.	1P	17	33	46.5	Z
	e(S)		38	57.0	E'
D - 27.9°					
H - 17 27 58					
Lat. - 6.1°S, Long. - 104.1°E					
h - 33 kms., Mag. - 5.5 (CGS)					
(USCGS)					
7.	1P	22	32	11.7	Z
	1S		32	42.5	N

11 FEB.

1.	1P	02	13	30.2	Z
2.	1P	03	52	20.0	Z
	D - 13.5°				
H - 03 49 10.6					
Lat. - 27.9°N, Long. - 128.0°E					
h - 78 kms., Mag. - 4.8 (CGS)					
(USCGS)					
3.	1P	06	08	44.5	Z
4.	1P	16	19	34.3	Z
	1S		19	45.0	NE
5.	eP	18	32	38.0	Z'
	D - 73.6°				
H - 18 21 05.5					
Lat. - 15.9°S, Long. - 173.1°W					
h - 33 kms., Mag. - 5.2 (CGS)					
(USCGS)					

Baguio, February, 1964

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

12 FEB.

1.	1S	04 09 35.0	NEZ		
2.	1(P)	08 37 49.0	Z		
3.	1P	12 32 36.0	NEZ		
	1S	32 39.5	E		
4.	1P	16 58 42.0	Z		
5.	1P	20 38 24.0	Z, Z'		
	e(S)	43 39.0	E'		
D - 32.8° H - 20 31 53.2 Lat. - 3.5°S, Long. - 146.6°E h - 33 kms., Mag. - 5.4 (CGS) (USCGS)					
6.	e(P)	22 45 38.0	Z'		
	eS	54 40.5	E'		
D - 72.5° H - 22 33 59.2 Lat. - 15.3°S, Long. - 174.4°W h - 33 kms., Mag. - 5.0 (CGS), 5 3/4 (NEZ) (USCGS)					

13 FEB.

1.	1P	06 25 21.0	NEZ		
2.	1(P)	10 08 35.0	Z		
	D - 20.8° H - 10 03 50.6 Lat. - 26.1°N, Long. - 100.9°E h - 33 kms, Mag. - 4.7 (CGS) (USCGS)				
3.	1P	17 20 33.0	Z		
4.	1P	19 03 43.0	NEZ		
5.	1P	22 33 25.0	Z		
	1S	34 16.0	E		
6.	1P	23 33 12.0	Z		

14 FEB.

1.	1P	09 58 47.0	Z		
	1S	58 51.2	N		

Naguio, February, 1964

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

14 FEB.

 2. 1P 16 36 56.5 Z'
 D - 37.7°
 H - 16 29 45.0
 Lat. - 5.1°S, Long. - 151.7°E
 h - 55 kms., Mag. - 6.0 (CGS), 6 3/4 (PAS)
 (USCGS)

3. 1P 17 57 23.5 Z

15 FEB.

 1. 1P 06 52 29.0 NZ
 1S 52 48.0 E'
 2. 1P 11 58 34.2 NZ
 1(S) 58 52.0 N

3. 1P 16 40 23.0 Z

 4. 1(P) 19 13 58.0 Z
 D - 6.0°, 667 kms.
 H - 19 12 16.6
 Lat. - 22.8°N, Long. - 120.6°E
 h - 17 kms., Mag. - 4.6 (CGS)
 (USCGS)

 5. 1P 20 10 05.0 NZ
 1S 10 27.0 E

6. 1S 21 00 44.8 E

7. 1(S) 21 15 48.5 E

8. 1(P) 22 10 01.0 Z

9. 1P 22 38 56.5 Z

16 FEB.

1. 1P 01 46 49.0 Z

 2. 1P 05 35 09.0 Z
 1S 35 24.7 E
 3. 1P 16 12 20.0 Z
 1S 12 24.0 NZ
 4. 1P 21 41 47.0 Z
 D - 38.5°
 H - 21 34 32.3
 Lat. - 5.1°S, Long. - 151.7°E
 h - 49 kms., Mag. - 5.6 (CGS)
 (USCGS)

Baguio, February, 1964

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 Date : Phase : Time (GMT) : Comp. : T_h(sec) : A_h(micron)

17 FEB.

1.	1P	04	37	56.3	Z
	1S		38	17.0	E
2.	1P	05	52	22.5	Z
	D - 6.9° H - 05 50 41.8 Lat. - 23.1°N, Long. - 120.6°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)				
3.	1S	07	31	15.0	NEZ
4.	1P	11	01	48.0	Z
	1S		01	57.0	E
5.	1P	13	31	39.0	Z
	1S		32	32.0	E

18 FEB.

1.	1P	01	40	40.5	NEZ
	1S		41	09.5	NEZ
2.	1(P)	01	42	33.5	Z
	1S		42	52.0	NEZ
3.	1(P)	01	46	26.0	N
	1(S)		46	42.2	E
4.	1P	02	04	52.0	Z
	1(S)		05	11.0	N
5.	1P	02	19	34.5	Z
	1S		19	53.0	E
6.	1P	02	23	29.8	Z
	1S		23	48.0	NEZ
7.	1P	02	34	24.2	Z
	1S		34	43.0	E
8.	1P	02	54	36.5	Z
	1S		54	54.5	E
9.	1P	03	00	43.0	NEZ
	1(S)		01	02.0	N
10.	1P	03	05	16.9	NEZ
	1(S)		05	35.0	E

Baguio, February, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
18 FEB.					
11.	1P	03 20		37.0	Z
	1S	20		56.0	H
12.	1P	03 49		33.0	NE
13.	1P	03 52		52.3	Z
	1S	53		14.6	E
14.	e1P	03 55		55.8	NEZ
	1S	56		16.8	E
15.	1P	04 47		31.8	EZ
	1S	47		50.5	NE
16.	1P	04 51		02.2	Z, Z'
	D - 25.4° H - 04 45 42.0 Lat. - 14.2°N, Long. - 146.5°E h - 78 kms., Mag. - 5.0 (CGS) (USCGS)				
17.	1P	05 02		34.5	Z
	1S	02		54.0	H
18.	1P	05 54		16.5	Z
	1S	54		35.5	NE
19.	1S	05 56		27.5	E
20.	1(P)	06 03		19.0	Z
	1S	04		01.8	NE
21.	1(P)	06 55		00.8	Z
	1(S)	55		19.5	E
22.	e1P	07 06		32.7	Z
	1S	06		51.0	E
23.	1(P)	10 43		56.7	Z
24.	1(P)	11 16		53.0	Z
	1(S)	17		32.0	E
25.	1P	12 18		44.0	EZ
	1S	19		07.0	E
26.	1P	18 57		55.3	NEZ

Buglio, February, 1964

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

19 FEB.

1.	1P 1S	05 05	28.3 37.0	Z NE		
2.	eP D - 29.3° H - 09 15 29.4 Lat. - 9.6°S, Long. - 107.3°E h - 48 kms., Mag. - 5.0 (CGS) (USCGS)	09 21	30.0	Z, Z'		
3.	1P 1S	09 35	08.5 28.2	Z N		
4.	1P	16 14	00.3	Z		
5.	1S	23 35	26.5	NEZ		

20 FEB.

1.	1P	08 43	09.0	Z		
2.	1P eS D - 37.7° H - 09 53 51.1 Lat. - 44.6°N, Long. - 150.0°E h - 50 kms., Mag. p 5.2 (CGS) (USCGS)	10 01 06	00.1 45.0	Z E'		
3.	1P 1S	13 53	46.9 49.8	Z N		

21 FEB.

1.	1P 1S	03 46	33.5 42.0	Z NE		
2.	1P 1S	07 52	14.0 26.5	Z E		
3.	1P 1S	08 46	11.0 29.8	Z N		
4.	1P	22 31	52.0	Z		

22 FEB.

1.	1(P)	01 56	09.0	Z		
2.	1(P) 1S	04 46	10.2 15.7	Z NEZ		
3.	1(P)	13 30	14.5	Z		
4.	1P D - 18.8° H - 14 11 38 Lat. - 1.3°S, Long. - 127.2°E h - 33 kms., Mag. - 4.4 (CGS) (USCGS)	14 15	57.5	Z	1.0	0.14

Baguio, February, 1964

Date	Phase	Time (GMT)	Comp.	T ₀ (sec)	A ₀ (micron)
22 FEB.					
5.	1P	21 18 22.2	Z		
	D - 8.5°				
	H - 21 16 27.5				
	Lat. - 24.1°N, Long. - 123.2°E				
	h - 48 kms., Mag. - 5.2 (CGS)				
	(USCGS)				
23 FEB.					
1.	1S	02 03 14.7	NE		
2.	1(P)	07 07 50.5	Z		
3.	1S	12 00 40.0	NE		
24 FEB.					
1.	1P	13 43 02.5	Z		
2.	1P	14 52 06.5	Z		
3.	1P	17 56 34.3	NEZ		
4.	1P	21 00 50.3	Z		
25 FEB.					
1.	1(S)	06 15 59.0	NE		
2.	1P	17 25 02.0	Z		
3.	1(P)	21 02 24.5	Z		
26 FEB.					
1.	1P	16 14 21.0	NEZ, Z'		
2.	1P	18 17 42.7	Z, Z'		
3.	1(P)	21 01 29.0	Z		
4.	1P	21 28 42.0	Z	1.0	0.09
5.	1P	21 55 59.5	Z		
27 FEB.					
1.	1P	01 39 57.7	Z		
2.	1P	07 50 40.0	Z		
3.	1P	10 39 28.0	NEZ		
	1S	39 42.0	NE		
4.	1P	15 16 07.5	NEZ, Z'		
	1S	20 36.0	H'		
	D - 25.0°				
	H - 15 10 48.8				
	Lat. - 21.7°N, Long. - 94.4°E				
	h - 102 kms., Mag. - 6.4 (CGS)				
	(USCGS)				

Baguio, February, 1964

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

22 FEB.

5. 1P 21 18 22.2 Z
 D - 8.5°
 H - 21 16 27.5
 Lat. - 24.1°N, Long. - 123.2°E
 h - 48 kms., Mag. - 5.2 (CGS)
 (USCGS)

23 FEB.

1. 1S 02 03 14.7 NS
 2. 1(P) 07 07 50.5 Z
 3. 1S 12 00 40.0 NE

24 FEB.

1. 1P 13 43 02.5 Z
 2. 1P 14 52 08.5 Z
 3. 1P 17 56 34.3 NEZ
 4. 1P 21 00 50.3 Z

25 FEB.

1. 1(S) 06 15 59.0 NS
 2. 1P 17 25 02.0 Z
 1(S) 25 18.0 E
 3. 1(P) 21 02 24.5 Z

26 FEB.

1. 1P 16 14 21.0 NEZ, Z'
 2. 1P 18 17 42.7 Z, Z'
 3. 1(P) 21 01 29.0 Z
 4. 1P 21 28 42.0 Z 1.0 0.09
 5. 1P 21 55 59.5 Z

27 FEB.

1. 1P 01 39 57.7 Z
 2. 1P 07 50 40.0 Z
 3. 1P 10 39 28.0 NEZ
 1S 39 42.0 NE
 4. 1P 15 16 07.5 NE, Z'

B - 25.0°
 H - 15 10 48.8
 Lat. - 21.7°N, Long. 94.4°E
 h - 102 kms., Mag. - 6.4 (CGS) (USCGS)

Maguio, February, 1964

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

27 FEB.

5.	1P	15 23	07.5	Z
6.	1P	16 09	20.0	Z
	1S	09	38.5	E
7.	1P	19 40	54.0	Z

28 FEB.

1.	1P	08 07	59.4	Z
2.	1P	14 14	29.5	Z
	1S	15	02.0	E
3.	1P	17 52	28.0	Z

D - 24.8°
 H - 17 47 05.6
 Lat. - 18.2°N, Long. - 94.3°E
 h - 43 kms., Mag. - 5.3 (CDS)
 (USCGS)

29 FEB.

1.	1P	07 09	28.6	Z
	1S	09	53.0	E'
2.	o(P)	15 26	25.0	Z'
3.	1S	21 49	44.0	MEZ
4.	1P	23 55	08.2	Z

D - 26.0°
 H - 23 49 40.8
 Lat. - 8.5°S, Long. - 112.7°E
 h - 73 kms., Mag. - 5.8 (CDS)
 (USCGS)

Baguio, March, 1964

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

1 MAR.

1. 1P 02 48 02.2 Z
 D - 42.2°
 H - 02 40 21.6
 Lat. - 7.1°S, Long. - 155.4°E
 h - 100 kms., Mag. - 4.8 (CGS)
 (USCGS)
2. 1P 08 02 41.0 NKZ, N'Z'
 D - 255 kms.
 H 08 02 03.8
 Lat. - 18.8°N, Long. - 120.6°E
 h - 50 kms., Mag. - 4.8 (CGS)
 (USCGS)
3. 1P 12 56 07.7 Z
 D - 8.9°
 H - 12 54 37.3
 Lat. - 7.8°N, Long. - 122.5°E
 h - 31 kms., Mag. - 6.2 (CGS)
 (USCGS)

2 MAR.

1. 1P 06 43 14.0 Z
 1S 43 31.0 N
2. 1(P) 07 07 10.0 Z
3. 1P 07 36 30.5 Z
4. 1P 14 28 06.0 NKZ
 1S 28 25.5 NE
5. 1(P) 14 56 38.0 Z
6. 1P 18 32 14.8 Z
7. 1P 18 42 04.2 NKZ
8. 1(P) 19 29 51.0 Z
9. 1P 19 43 59.0 Z, Z'
 eS 53 16.0 N'Z' 0.8 0.11
 D - 73.3°
 H - 19 32 41.7
 Lat. - 18.9°S, Long. - 174.8°W
 h - 105 kms., Mag. - 5.3 (CGS), 5 - 5½ (NKZ)
 (USCGS)
10. 1P 22 39 40.7 Z
11. 1P 23 40 15.0 Z

Baguio, March, 1964

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

3 MAR.

1.	1P 1S	00	07	55.5 06.0	Z NEZ
2.	1(P) 1S	07	48	30.0 45.5	Z NE
3.	1(P)	08	51	08.0	Z
4.	1P 1S	17	26	12.0 39.0	Z E
5.	1P 1S	21	42	38.7 10.0	Z E'
D - 12.8° H - 21 39 31.0 Lat. - 4.8°N, Long. - 125.5°E h - 77 kms., Mag. - 4.9 (CGS) (USCGS)					
6.	1P 1S	22	36	19.0 30.8	Z E

4 MAR.

1.	1S	02	36	37.0	NE
2.	1P 1S	04	11	42.5	Z
D - 25 kms. H - 04 06 27.6 Lat. - 7.1°N, Long. - 129.5°E h - 120 kms., Mag. - 5.3 (CGS) (USCGS)					
3.	1P 1S	06	32	14.0 33.8	NEZ N
4.	1P 1S	10	16	20.0 26.0	Z N
5.	1P	11	44	28.3	Z
6.	1P 1S	15	29	13.5	Z
D - 24.5° H - 15 24 07.6 Lat. - 6.5°N, Long. - 130.2°E h - 171 kms., Mag. - 5.7 (CGS) (USCGS)					
7.	1(P)	17	14	42.2	Z
8.	1P	19	10	21.2	Z

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
4 MAR.					
9.	1P	21 11	18.5	Z	
	1B	11	43.0	E	
10.	1P	21 56	44.0	Z	
11.	1P	22 39	20.5	Z	
	D - 25° H - 22 34 06.3 Lat. - 6.8°S, Long. - 129.8°E h - 108 kms., Mag. - 5.2 (CBS) (USCGS)				
12.	1P	23 54	52.0	Z	
	D - 6.8° H - 23 53 19.4 Lat. - 11.8°N, Long. - 125.6°E h - 91 kms., Mag. - 5.7 (CBS) (USCGS)				
5 MAR.					
1.	1P	00 03	03.5	Z	
	D - 7.2° H - 00 01 19.6 Lat. - 11.5°N, Long. - 126.0°E h - 40 kms., Mag. - 4.7 (CBS) (USCGS)				
2.	1P	04 39	58.0	Z	
	1(B)	40	13.0	E	
3.	e(PPP)	10 14	25.0	Z'	
	D - 50.5° H - 10 01 41.5 Lat. - 11.3°S, Long. - 162.4°E h - 33 kms., Mag. - 4.6 (CBS) (USCGS)				
6 MAR.					
1.	e(P)	02 43	04.0	Z	
2.	1P	15 03	52.5	Z	
	1B	04	03.8	E	
3.	1B	18 33	13.8	E	

Baguio, March, 1964

Date	Phase	Time (GMT)		Comp.	T_p (sec)	A_p (micron)
6 MAR.						
4.	1P 1S	19 04 10 50.0	46.8 50.0	Z N'E'	1.7	2.02
	D - 40.8° H - 18 57 16.1 Lat. - 6.1°N, Long. - 154.4°E h - 74 kms., Mag. - 5.8 (GGS), 6 3/4 - 7 1/2 (NEK), 6 (PAL) (USCGS)					
5.	1P 1S	21 24 24 35.3	16.4 35.3	NEZ N	0.5	0.26
7 MAR.						
1.	1(P) D - 10.9° H - 13 09 17 Lat. - 26.1°N, Long. - 125.9°E h - 161 kms., Mag. - 3.8 (GGS) (USCGS)	13 11	30.0	Z		
2.	e(P) 1S	18 27 28 13.3	50.0 13.3	Z N		
8 MAR.						
1.	1(P)	00 05	51.0	Z		
2.	1P 1S	04 07 07 57.5	47.0 57.5	Z NE		
3.	1P	09 44	19.0	NEE		
4.	1(P)	12 09	26.0	Z		
5.	1(P)	13 09	44.0	Z		
6.	1(P)	13 29	51.5	Z		
9 MAR.						
1.	1P 1S	09 28 28 26.0	11.5 26.0	Z N		
2.	1P 1S	16 01 01 28.0	17.0 28.0	Z N		
10 MAR.						
1.	1P	03 35	30.0	Z		
2.	1P	05 41	37.5	Z		

Maguis, March, 1964

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

10 MAR.

3.	1P	14	03	33.5	Z		
	es		06	31.0	H'		
	D - 16.4°						
	H - 13 59 54.8						
	Lat. - 1.9°N, Long. - 127.5°E						
	h - 117 kms., Mag. - 5.6 (GCS)						
	(USGCS)						
4.	1P	14	50	45.0	Z		
5.	1P	17	23	12.5	Z		
	1S		23	24.8	H		
6.	1(P)	21	11	43.0	Z		
7.	1P	23	15	37.0	Z		
	D - 25°						
	H - 23 10 24.4						
	Lat. - 6.8°S, Long. - 129.4°E						
	h - 141 kms., Mag. - 5.1 (GCS)						
	(USGCS)						

11 MAR.

1.	1P	05	20	56.5	Z		
	1S		21	06.5	HE		
2.	1P	18	27	38.0	Z	0.8	0.09
3.	1P	19	38	36.0	EZ		

12 MAR.

1.	1P	02	53	31.0	Z		
2.	1P	03	56	59.2	Z		
	D - 7.2°						
	H - 03 55 14.0						
	Lat. - 23.4°N, Long. - 121.6°E						
	h - 33 kms., Mag. - 5.2 (GCS)						
	(USGCS)						
3.	1P	05	42	24.3	Z		
4.	1P	22	33	51.2	HEZ, N'E'Z'		
	D - 410 kms.,						
	H - 22 33 56.7						
	Lat. - 13.5°N, Long. - 122.9°E						
	h - 33 kms., Mag. - 5.3 (GCS)						
	(USGCS)						
5.	1P	23	02	45.0	Z		
6.	1P	23	34	27.5	Z		

Naguio, March, 1964

Date	Phase	Time (GMT)		Comp.	T_p (sec)	A_p (micron)
13 MAR.						
1.	1P	00	19	40.8	Z	
2.	1P	01	44	26.0	Z	
3.	1(P)	01	57	45.5	Z	
4.	1P	02	40	58.5	Z	
5.	1P	02	56	43.0	Z	
6.	1P	12	01	45.5	Z	
7.	1(P)	16	12	39.5	Z	
8.	1P	18	47	26.0	Z	
	1S		47	43.0	Z	
9.	1P	23	34	56.9	NZ	
	1S		35	05.0	NE	
14 MAR.						
1.	1P	04	33	39.0	NZ	
	1S		33	55.8	N	
2.	1(P)	05	51	02.3	Z	
	D - 29.20					
3.	1P	06	58	01.5	Z	
	D - 29.80					
	H - 06 51 58.6					
	Lat. - 6.2°N, Long. - 92.1°E					
	h - 33 kms., Mag. - 4.7 (GGG)					
	(USGGG)					
4.	1(P)	10	42	10.0	Z	
5.	1P	11	55	11.3	Z	1.0 0.20
	D - 70.50					
	H - 11 44 53.8					
	Lat. - 20.6°S, Long. - 178.5°W					
	h - 561 kms., Mag. - 4.7 (GGG)					
	(USGGG)					
6.	1(P)	13	11	26.5	Z	
	1S		11	56.5	NE	
7.	1P	15	14	59.5	Z	
	D - 60.00					
	H - 15 05 54.4					
	Lat. - 13.7°S, Long. - 172.3°E					
	h - 611 kms., Mag. - 5.1 (GGG)					
	(USGGG)					

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T_R (sec)	A_R (micron)
15 MAR.					
1.	1P 1S	02 30 30	08.9 10.5	NEE NE	0.6 0.13
2.	1(P) D - 18.8° H - 03 18 14 Lat. - 1.2°N, Long. - 126.2°E h - 43 kms., Mag. - (USCGS)	03 22	03.0	Z	
3.	1(P) 1S	06 53 54	58.5 51.0	Z E	
4.	1P	08 08	39.0	Z	
5.	1P	09 57	58.2	Z	
6.	1(P) 1S	11 04 05	47.0 01.7	Z NE	
7.	1(P)	11 28	05.0	Z	
8.	1(P)	12 18	24.0	Z	
9.	1(P)	12 37	32.0	Z	
10.	1(P)	13 07	36.0	Z	
11.	1P 1(S)	16 10 11	31.0 06.5	Z E	
12.	1P 1S D - 1.6°, 178 kms. H - 21 17 46.1 Lat. - 17.9°N, Long. - 120.0°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)	21 18 18	11.5 30.0	NEE, Z' N'NE'	
13.	off D - 109.6° H - 22 30 26.0 Lat. - 36.2°N, Long. - 7.6°W h - 27 kms., Mag. - 6.2 (CGS), 6 3/4-7 (PAS) (USCGS) 7 - 8 1/2 (NEE), 6 1/2 - 6 3/4 (PAL)	22 49	19.0	Z'	
14.	1P 1S	23 36 36	01.8 11.0	Z NE	

Baguio, March, 1964

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

16 MAR.

1.	1P	06	01	55.7	Z		
	1(S)		02	13.8	E		
2.	1P	07	14	54.5	Z	0.7	0.08
	1S		15	10.3	N		
3.	1P	07	23	53.8	NEZ		
	1S		24	47.4	N		
4.	1P	08	51	20.8	NEZ	1.0	0.80
	D - 36.0° N - 08 44 32.8 Lat. - 44.8°N, Long. - 146.8°E h - 140 kms., Mag. - 5.7 (CGS), 6½ - 6½ (MSK) (USCGS)						

5.	1(P)	09	07	15.0	Z		
6.	1P	12	05	28.5	Z		
	1S		05	50.5	N		
7.	1(P)	14	01	23.0	Z		
8.	1P	16	33	03.0	Z		
9.	1P	18	36	35.0	NEZ		
	1S		36	57.5	N		
10.	1(P)	21	42	12.0	Z		
11.	1P	21	49	58.0	Z	0.8	0.09
12.	1P	22	26	49.0	Z		
	1S		27	06.5	E		

17 MAR.

1.	1P	03	33	32.0	Z		
2.	1P	06	00	14.0	Z		
3.	1P	10	15	24.0	Z		
4.	1P	11	05	13.7	Z		
5.	1P	16	36	47.5	Z		
	1S		36	54.0	NEZ		
6.	1P	19	28	32.0	NEZ		
	1S		28	34.8	NE		

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)	
17 MAR.						
7.	1P	19 31	51.0	NEZ		
	1S	31	53.8	NE		
8.	1P	20 12	54.8	NEZ		
	1S	12	57.3	NE		
9.	1P	20 21	34.0	Z		
	1S	21	48.0	E		
18 MAR.						
1.	1(P)	01 44	48.0	Z		
2.	1P	04 44	58.2	Z		
	1PaP	46	19.5	Z'		
	1S	51	00.0	N'E'		
	1sS	53	27.0	N'E'		
D - 45° H - 04 37 26.9 Lat. - 32.5°N, Long. - 153.6°E h - 440 kms., Mag. - 5.6 (GGS), 6½ (PAS), 5½ (NEK) (USGGS)						
3.	1(P)	05 55	08.8	Z		
4.	1S	18 32	18.0	NE		
5.	1S	18 42	15.8	NE		
6.	1P	19 23	13.5	Z		
7.	1P	23 34	13.9	Z		
	1S	34	23.8	E		
19 MAR.						
1.	1P	04 55	58.0	Z, Z'	1.0	
	D - 70°					
	H - 04 45 50.9					
	Lat. - 21.9°N, Long. - 179.5°E h - 613 kms., Mag. - 4.7 (GGS) (USGGS)					
2.	1P	09 18	45.3	Z		
	1S	19	10.0	NE		
3.	1P	09 52	51.0	Z, Z'		
	1S	10 01	14.0	N'		
D - 62° H - 09 42 34.9 Lat. - 14.7°N, Long. - 56.3°E h - 33 kms., Mag.						
4.	1(P)	11 09	39.0	Z		

Bugulo, March, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
19 MAR.					
5.	1P	12 10 05.5	Z		
6.	1P	16 51 07.3	NEZ		
	1S	51 10.0	NE		
7.	1(P)	18 45 02.5	Z		
8.	1(P)	19 15 11.0	Z		
9.	1P	21 55 36.5	Z	1.0	0.20
	es	22 05 12.0	N'E'		
D - 73.8° H - 21 44 03.8 Lat. - 15.1°N, Long. - 172.6°W h - 33 kms., Mag. - 5.6 (CGS), 6½ (PAS), 6½ - 6½ (MRK), (USCGS)					
20 MAR.					
1.	1P	04 27 55.0	Z		
2.	1P	04 47 11.0	Z		
3.	1P	06 13 18.0	Z		
4.	1P	09 13 27.0	Z		
5.	1P	09 52 05.0	Z		
6.	1P	10 11 12.0	Z		
	1S	11 31.5	N		
7.	1P	17 14 31.0	N		
	1S	14 59.5	N		
8.	1P	19 00 17.5	Z		
	es	04 38.0	N		
D - 24° H - 18 55 10.8 Lat. - 7.0°N, Long. - 115.2°E h - 121 kms., Mag. - 5.4 (CGS) (USCGS)					
9.	1P	19 06 19.5	Z		
	D - 25.2° H - 19 00 52.7 Lat. - 23.6°N, Long. - 94.4°E h - 86 kms., Mag. - 5.7 (CGS) (USCGS)				
10.	1P	20 28 55.0	Z		

Baguio, March, 1964

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

1.	IS	02 34	36.0	E		
2.	1P	02 50	21.8	Z	0.7	0.05
	IS	50	42.0	NE		
3.	1P	03 47	01.8	NE, N'E'		
	1pP	48	05.0	Z'		
	1sP	48	49.0	N'Z'		
	sS	50	49.0	E'		
D - 24.2° H - 03 42 19.6 Lat. - 6.4°S, Long. - 127.9°E h - 367 kms., Mag - 7 - 7½ (PAS), 6½ (NEK) (USGS)						
4.	1P	07 51	27.8	Z		
5.	1P	09 17	19.0	Z		
6.	1P	16 38	48.0	Z		
	D - 74.9° H - 16 27 11.7 Lat. - 27.6°S, Long. - 177.2°W h - 33 kms., Mag. - 5.6 (CGS), 5 - 5½ (NEK) (USGS)					
7.	1(P)	20 56	41.0	Z		
	IS	57	05.5	NE		

22 MAR.

1.	1P	01 01	20.0	Z		
2.	1P	02 57	22.0	Z		
3.	1P	03 20	40.0	NEZ		
	IS	20	51.5	NE		
4.	1P	05 36	39.0	Z		
	D - 20.4° H - 05 32 07.7 Lat. - 2.7°S, Long. - 126.4°E h - 33 kms., Mag. - 5.1 (CGS) (USGS)					
5.	1P	10 13	46.0	Z		
6.	1P	10 35	01.0	Z		
7.	1P	11 05	10.0	Z		
	IS	05	21.5	NE		

Baguio, March, 1964

Date	Phase	Time (GMT)		Comp.	T_p (sec)	A_p (micron)
22 MAR.						
8.	1P	11	45	09.0	Z	
9.	1P	14	04	13.5	Z	
	1S		04	24.0	H	
10.	1P	20	13	41.5	Z	
	D - 637 kms., H - 20 12 17.9 Lat. - 13.2°N, Long. - 125.4°E h - 204 kms., Mag. (USGS)					
11.	1(P)	22	34	19.7	Z	
23 MAR.						
1.	1(P)	03	14	08.5	Z	
2.	1P	06	57	30.5	Z	
	1S		57	50.5	H	
3.	1P	07	51	28.0	Z	
	1S		52	00.8	H	
4.	1P	09	11	56.0	Z	
	1S		12	19.5	H	
5.	1P	13	48	44.5	Z	
	D - 470 H - 13 40 26.3 Lat. - 30.3°N, Long. - 73.7°E h - 126 kms., Mag. - 5.4 (GS) (USGS)					
6.	1P	17	44	21.0	Z	
7.	1P	22	05	55.0	Z	
8.	h1P	22	29	32.0	Z	
	1P		29	33.2	Z	
	D - 325 kms., H - 22 28 45.6 Lat. - 19.3°N, Long. - 121.0°E h - 33 kms., Mag. (USGS)					
9.	1P	22	48	02.8	Z	

Baguio, March, 1964

Date	Phase	Time (GMT)		Comp.	T_R (sec)	A_R (micron)
24 MAR.						
1.	1(P)	06	03	59.0	Z	
2.	1P	07	38	11.3	Z	
3.	1P	08	11	24.0	Z	
	1S		11	40.0	N	
4.	1P	08	17	13.0	Z	
5.	1P	16	39	08.0	Z	
6.	1(P)	21	06	05.0	Z	
7.	1P	22	13	34.0	Z	
	1S		14	30.7	E	
25 MAR.						
1.	1P	02	22	47.5	NEZ	
	1S		22	55.0	NE	
2.	1P	02	48	58.5	Z	
	D - 27° H - 02 43 23.5 Lat. 36.3°N, Long. - 140.9°E h - 67 kms., Mag. - 4.8 (GGS) (USGGS)					
3.	1P	14	26	04.0	NEZ	
	1S		26	07.0	NE	
4.	1P	14	45	19.0	Z	
	1S		45	39.0	E	
5.	1P	14	52	42.7	Z	
	1S		53	06.7	E	
26 MAR.						
1.	oP	02	09	09.0	Z'	
	oS		13	09.0	E'	
	D - 21.7° H - 02 04 20.2 Lat. - 11.3°N, Long. - 142.0°E h - 33 kms., Mag. - 4.9 (GGS), 5 3/4 (PAS), 5 - 5 1/2 (BRK) (USGGS)					
2.	oP	04	26	00.5	Z	
3.	1P	05	27	41.0	Z	
4.	1P	05	37	00.6	Z	
	1(S)		37	36.5	N	

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
26 MAR.					
5.	1P 1S D - 2.7°, 300 kms. H - 06 30 51.1 Lat. - 13.7°N, Long. - 120.6°E h - 118 kms., Mag. - 5.5 (CGS) (USCGS)	06 31 33.0 32 03.0	NE N'		
6.	1P D - 8.3°, 923 kms. H - 09 15 33.4 Lat. - 8.3°N, Long. - 121.8°E h - 59 kms., Mag. - 6.4 (CGS) (USCGS)	09 17 30.0	Z		
7.	1(P)	10 13 58.0	Z		
8.	1P D - 24.9° H - 12 15 47 Lat. - 6.8°S, Long. - 129.3°E h - 156 kms., Mag. - 5.3 (CGS) (USCGS)	12 20 55.5	Z		
9.	1P 1S	19 07 55.0 08 11.5	NEZ NE		
10.	1P 1S	21 58 25.9 58 47.0	NE E		
27 MAR.					
1.	1(P)	02 27 40.0	Z		
2.	1(P) 1(S)	04 23 47.8 24 37.8	Z N		
3.	1P D - 25.0° H - 04 30 33.0 Lat. - 25.9°N, Long. - 195.8°E h - 93 kms., Mag. - 5.4 (CGS) (USCGS)	04 35 51.5	Z, Z'	1.5	0.52
4.	1P	07 58 47.0	Z		
5.	1P 1S	14 41 23.8 41 27.0	Z NE		
6.	1P eS D - 70.9° H - 20 22 10.6 Lat. - 23.7°S, Long. - 179.9°E h - 520 kms., Mag. - 5.0 (CGS), 5 - 5½ (BRK) (USCGS)	20 32 33.0 41 03.0	Z, Z' N'E'	0.8	0.19

Baguio, March, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T_H (sec) & A_H (micron)

28 MAR.

1. IP 01 40 28.5 Z
2. IP 03 48 02.3 NEZ, N'E'Z'
 D - 76.4°
 H - 03 36 14.2
 Lat. - 61.0°N, Long. - 147.8°W
 h - 33 kms., Mag. - 8.5 (CGS), 8.4 (PAS), 8 1/4 - 8 3/4 (MRK),
 (USCGS) 8.6 (PAL),
3. IP 05 05 53.5 Z
 D - 76.9°
 H - 04 54 07.9
 Lat. - 59.8°N, Long. - 149.4°W
 h - 25 kms., Mag. - 6.1 (CGS)
 (USCGS)
4. IP 05 29 13.5 Z
5. IP 05 45 46.3 Z
 D - 77.1°
 H - 05 33 52.6
 Lat. - 60.2°N, Long. - 146.2°W
 h - 20 kms., Mag. - 5.6 (CGS)
 (USCGS)
6. IP 05 47 14.4 Z
 D - 74.1°
 H - 05 35 38.4
 Lat. - 57.2°N, Long. - 153.0°W
 h - 33 kms., Mag. - 5.7 (CGS)
 (USCGS)
7. IP 06 20 32.0 Z
 D - 76°
 H - 06 08 44.2
 Lat. - 60.1°N, Long. - 148.6°W
 h - 20 kms., Mag. - 5.6 (CGS), 4 1/2 - 4 1/2 (MRK)
 (USCGS)
8. IP 06 40 54.8 Z
 D - 75.6°
 H - 06 29 17.4
 Lat. - 57.7°N, Long. - 150.8°W
 h - 20 kms., Mag. - 5.1 (CGS), 3 3/4 - 4 1/2 (MRK),
 (USCGS)
9. IP 06 44 26.5 Z
 D - 76.5°
 H - 06 32 38.6
 Lat. - 60.1°N, Long. - 147.6°W
 h - 33 kms., Mag. 5.5 (CGS), 4 1/2 - 4 3/4 (MRK)
 (USCGS)

Bahio, March, 1964

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

28 MAR.

10. 1P 06 53 18.5 Z
 D - 75.8°
 H - 06 41 28.0
 Lat. - 59.9°N, Long. - 147.8°W
 h - 15 kms., Mag. - 5.5 (CGS), 4 3/4 - 5 (MRK)
 (USCGS)

11. 1P 06 55 38.0 Z
 D - 75
 H - 06 43 57.4
 Lat. - 58.3°N, Long. - 151.3°W
 h - 25 kms., Mag. - 6.1 (CGS), 5 1/2 - 5 3/4 (MRK)
 (USCGS)

12. 1P 07 02 26.8 Z
 D - 74.6°
 H - 06 50 48.9
 Lat. 57.1°N, Long. - 152.3°W
 h - 33 kms., Mag. - 5.0 (CGS)
 (USCGS)

13. 1P 07 05 22.0 Z
 D - 76.1°
 H - 06 53 35.6
 Lat. - 58.8°N, Long. - 149.9°W
 h - 20 kms., Mag. - 5.7 (CGS), 4 3/4 - 5 (MRK)
 (USCGS)

14. 1P 07 22 08.0 Z

15. 1P 07 42 11.2 Z
 D - 75°
 H - 07 30 29.6
 Lat. - 57.4°N, Long. - 151.7°W
 h - 15 kms., Mag. - 5.7 (CGS), 5 1/2 - 5 1/2 (MRK)
 (USCGS)

16. 1P 08 51 36.8 Z
 D - 75°
 H - 08 39 54.9
 Lat. - 57.5°N, Long. - 151.6°W
 h - 20 kms., Mag. - 5.4 (CGS)
 (USCGS)

17. 1P 09 07 03.2 Z
 D - 74.6°
 H - 08 55 22.8
 Lat. - 56.7°N, Long. - 151.9°W
 h - 25 kms., Mag. - 5.1 (CGS)
 (USCGS)

Manila, March, 1964

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

28 MAR.

18. 1P 09 12 40.2 Z
 D - 74.6°
 H - 09 01 00.5
 Lat. - 56.5°N, Long. - 152.0°W
 h - 20 kms., Mag. - 6.0 (CGS), 6.2 (PAS), 5½ - 5¾ (BRK)
 (USCGS)

19. 1P 09 17 32.8 Z
 D - 74.3°
 H - 09 05 56.4
 Lat. - 56.6°N, Long. - 153.2°W
 h - 25 kms., Mag. - 5.3 (CGS)
 (USCGS)

20. 1P 10 04 47.5 Z
 D - 76.8°
 H - 09 52 55.7
 Lat. - 59.7°N, Long. - 146.6°W
 h - 30 kms., Mag. - 5.5 (CGS), 6.2 (PAS), 5 - 5½ (BRK)
 (USCGS)

21. 1P 10 47 15.5 Z
 D - 74.6°
 H - 10 35 38.9
 Lat. - 57.2°N, Long. - 152.4°W
 h - 33 kms., Mag. - 6.0 (CGS), 6.3 (PAS), 5¾ - 6 (BRK)
 (USCGS)

22. 1P 11 20 15.0 Z
 D - 76.1°
 H - 11 08 26.0
 Lat. - 60.1°N, Long. - 148.4°W
 h - 15 kms., Mag. - 5.7 (CGS), 5.6 (PAS), 5½ - 5¾ (BRK)
 (USCGS)

23. 1P 11 33 46.2 Z
 D - 16.1°
 H - 11 30 09.8
 Lat. - 0.5°N, Long. - 122.3°E
 h - 140 kms., Mag. - 5.8 (CGS)
 (USCGS)

24. 1P 11 41 58.5 Z

25. 1P 11 45 38.0 BK

26. 1P 12 15 11.0 Z
 D - 77.1°
 H - 12 03 16.5
 Lat. - 60.3°N, Long. - 146.6°W
 h - 15 kms., Mag. - 5.4 (CGS), 5.1 (PAS)
 (USCGS)

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
28 MAR.					
27.	1P	12 32 23.5	Z		
	D - 73.8°				
	H - 12 20 49.8				
	Lat. - 56.9°N, Long. - 154.0°W				
	h - 25 kms., Mag. - 6.1 (CGS), 6.5 (PAS), 5 3/4 (MRK)				
	(USCGS)				
28.	1P	13 13 08.5	Z		
	D - 76.5°				
	H - 13 01 14.2				
	Lat. - 60.1°N, Long. - 147.0°W				
	h - 20 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
29.	1P	14 13 30.0	Z		
	D - 73.7°				
	H - 14 01 57.6				
	Lat. - 56.5°N, Long. - 154.4°W				
	h - 25 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
30.	1P	14 58 04.2	Z		
	D - 74°				
	H - 14 46 33.6				
	Lat. - 56.7°N, Long. - 153.6°W				
	h - 33 kms., Mag. - 4.9 (CGS)				
	(USCGS)				
31.	1P	14 59 31.5	Z		
	D - 77.2°				
	H - 14 47 37.1				
	Lat. - 60.4°N, Long. - 147.1°W				
	h - 10 kms., Mag. - 5.7 (CGS), 6.3 (PAS), 5 3/4 - 6 (MRK)				
	(USCGS) 6 1/2 - 6 3/4 (PAS)				
32.	1P	15 01 07.7	Z		
	D - 76.6°				
	H - 14 49 13.7				
	Lat. - 60.4°N, Long. - 147.1°W				
	h - 10 kms., Mag. - 5.8 (CGS), 6.5 (PAS), 5 1/2 - 5 3/4 (MRK)				
	(USCGS)				
33.	1P	16 56 26.8	Z		
	D - 76.1°				
	H - 16 44 35.9				
	Lat. - 59.3°N, Long. - 147.0°W				
	h - 25 kms., Mag. - 5.3 (CGS), 4 3/4 - 5 (MRK),				
	(USCGS)				
34.	1P	19 21 02.0	Z		
	1B	21 05.0	MRK		

Magia, March 1964.

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
28 MAR.					
35.	1P	20 14	33.8	Z	
36.	1P	20 40	53.0	Z	
	D - 75.8° H - 20 29 06.6 Lat. - 59.8°N, Long. - 148.7°W h - 40 kms., Mag. - 5.8 (CGS), 6.6 (PAS), 6½ - 6¾ (BRK) (USCGS) 6½ - 6¾ (PAL)				
37.	1P	20 50	50.0	Z	
29 MAR.					
1.	1P	01 21	23.0	Z	
	D - 76.0° H - 01 09 36.4 Lat. - 59.8°N, Long. - 149.2°W h - 20 kms., Mag. - 5.5 (CGS), 5.2 (PAS), 5½ - 5½ (BRK) (USCGS) 5½ (PAL)				
2.	1P	01 41	15.5	Z	
	D - 75.0° H - 01 29 33.7 Lat. - 57.5°N, Long. - 151.3°W h - 20 kms., Mag. - 5.6 (CGS), 4.6 (PAS), 5¾ - 6 (BRK) (USCGS)				
3.	1P	03 19	12.0	Z	
	D - 76.3° H - 03 07 19.5 Lat. - 59.7°N, Long. - 148.8°W h - 30 kms., Mag. - 5.0 (CGS) (USCGS)				
4.	1P	04 24	17.0	Z	
	D - 78.0° H - 04 12 15.7 Lat. - 60.2°N, Long. - 145.5°W h - 15 kms., Mag. - 5.3 (CGS), 5.8 (PAS), 4¾ - 5 (BRK) (USCGS)				
5.	1P	04 40	05.0	Z	
	1(S)	40	39.0	H'	
6.	1P	06 16	17.0	Z, Z'	
	es	25	48.0	H'H'	
	D - 73.5° H - 06 04 44.5 Lat. - 56.1°N, Long. - 154.3°W h - 30 kms., Mag. - 5.6 (CGS), 5.8 (PAS), 5½ - 5½ (BRK) (USCGS) 6 - 6½ (PAL)				

Baguio, March, 1964

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

29 MAR.

- 7. 1(P) 08 04 22.0 Z
 D - 73.9°
 H - 07 52 46.4
 Lat. - 56.1°N, Long. - 154.2°W
 h - 25 kms., Mag. - 4.8 (CGS), 4.9 (PAS)
 (USCGS)
- 8. 1P 08 41 55.0 Z
- 9. 1P 10 19 50.0 Z
 D - 76.8°
 H - 10 08 02.4
 Lat. - 60.0°N, Long. - 148.6°W
 h - 20 kms., Mag. - 5.3 (CGS), 5.0 (PAS), 5½ - 5¾ (MKS)
 (USCGS)
- 10. e1P 16 52 54.0 Z, N'
 eS 17 02 49.0 N'
 D - 77.3°
 H - 16 40 57.9
 Lat. - 92.7°N, Long. - 147.0°W
 h - 15 kms., Mag. - 5.6 (CGS), 5.8 (PAS), 5½ - 5¾ (MKS)
 (USCGS)
- 11. 1P 21 48 13.0 Z, N' Z' 1.0 0.88
 1S 54 24.5 N'
 D - 41.5°
 H - 21 40 32.7
 Lat. - 6.7°N, Long. - 155.1°E
 h - 68 kms., Mag. - 5.3 (CGS)
 (USCGS)
- 12. 1P 23 30 56.8 Z

30 MAR.

- 1. 1P 02 29 42.7 Z
 eS 39 25.0 N'
 D - 74.0°
 H - 02 18 06.3
 Lat. - 56.6°N, Long. - 152.9°W
 h - 25 kms., Mag. - 5.8 (CGS), 6.6 (PAS), 6½ - 6¾ (MKS)
 (USCGS) 6¾ (PAL)
- 2. 1(P) 05 17 03.5 Z
- 3. 1P 05 56 18.8 Z
 1S 56 29.0 N
- 4. 1S 06 29 40.5 E

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
30 MAR.					
5.	eP eS D - 78.0° H - 07 09 34.0 Lat. - 59.9°N, Long. - 145.7°W h - 15 kms., Mag. - 5.6 (CGS), 6.2 (PAS), 5 3/4 - 6 (BRK), (USCGS) 6 1/2 - 6 1/2 (PAL)	07 21 30.0 11 25.0	Z,Z' N'E'	1.5	0.22
6.	1(P)	11 14 08.0	Z		
7.	1P D - 77.0° H - 12 05 43.5 Lat. - 60.1°N, Long. - 147.0°W h - 25 kms., Mag. - 5.0 (CGS), 5.0 (PAS) (USCGS)	12 17 35.0	Z		
8.	1P D - 74.9° H - 12 14 28.4 Lat. - 58.0°N, Long. - 151.6°W h - 25 kms., Mag. - 5.0 (CGS) (USCGS)	12 26 08.5	Z		
9.	1(P) D - 74.3° H - 13 03 34.9 Lat. - 56.5°N, Long. - 152.7°W h - 20 kms., Mag. - 5.3 (PAS), 4 3/4 - 5 (BRK), 5 1/2 - 5 3/4 (PAL) (USCGS) 5.3 (CGS)	13 15 14.0	Z		
10.	1P D - 74.5° H - 13 32 18.5 Lat. - 56.4°N, Long. - 152.6°W h - 15 kms., Mag. - 4.8 (CGS) (USCGS)	13 43 59.0	Z		
11.	1P D - 74.5° H - 14 10 48.6 Lat. - 57.4°N, Long. - 152.3°W h - 30 kms., Mag. - 5.1 (CGS) (USCGS)	14 22 25.5	Z	0.7	0.03
12.	1(P) 1(S)	14 39 21.0 40 02.0	Z E		

Baguio, March, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
30 MAR.					
13.	1P	15 19 35.0	Z	0.8	0.02
	D - 75.7°				
	H - 15 07 49.3				
	Lat. - 58.7°N, Long. - 149.6°W				
	h - 25 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
14.	eP	16 21 07.0	Z	1.0	0.06
	eS	30 46.0	N'E		
	D - 74.9°				
	H - 16 09 28.4				
	Lat. - 56.6°N, Long. - 152.1°W				
	h - 25 kms., Mag. - 5.5 (CGS), 5.5 (PAS), 5½ - 5¾ (BRK)				
	(USCGS) 5¾ - 6 (PAL)				
15.	1P	16 25 54.5	Z		
	1S	26 13.0	N		
16.	1(P)	17 34 03.0	Z		
	D - 77.5°				
	H - 17 22 06.2				
	Lat. - 60.7°N, Long. - 145.5°W				
	h - 15 kms., Mag. - 4.6 (CGS)				
	(USCGS)				
17.	1S	23 32 18.7	NE		
31 MAR.					
1.	e1P	00 21 28.0	Z		
	D - 38.4°				
	H - 00 14 11.7				
	Lat. - 45.3°N, Long. - 151.0°E				
	h - 60 kms., Mag. - 5.3 (CGS), 5½ - 5¾ (PAL)				
	(USCGS)				
2.	eP	09 14 24.0	Z'		
	e(S)	25 02.0	N'		
	D - 89.5°				
	H - 09 01 30.2				
	Lat. - 50.8°N, Long. - 130.2°W				
	h - 15 kms., Mag. - 5.6 (CGS), 6 (PAS), 6 - 6½ (BRK),				
	(USCGS) 6½ - 6¾ (PAL)				
3.	1P	09 29 42.3	Z		
4.	eP	12 04 55.0	Z'		
	D - 74.3°				
	H - 11 53 14.4				
	Lat. - 56.5°N, Long. - 152.3°W				
	h - 25 kms., Mag. - 4.8 (CGS)				
	(USCGS)				

Bague, March, 1964

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

5.	1(P)	12 57	44.0	E
6.	1P	15 20	24.5	NEZ
	1S	20	41.2	E
7.	1P	17 14	49.5	Z

Baguio, April, 1964

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
1 APR.					
1.	1(P)	03 35 09.0	Z		
2.	1P	04 28 14.0	Z		
3.	1P 1S	04 58 36.3 59 04.0	Z NE		
4.	1P	05 59 57.0	Z		
5.	1P	18 00 46.0	Z		
6.	1P	18 01 41.0	Z		
2 APR.					
1.	1P D - 26.8° H - 03 09 45.4 Lat. - 5.5°N, Long. - 95.7°E h - 108 kms., Mag. - 5.1 (CGS) (USCGS)	03 15 18.0	Z	0.7	0.05
2.	1P D - 24.0° H - 06 53 31.5 Lat. - 6.9°S, Long. - 125.5°E h - 485 kms., Mag. - 4.8 (CGS) (USCGS)	06 58 08.0	Z		
3.	1P D - 15.3° H - 07 38 30.7 Lat. - 2.0°N, Long. - 125.6°E h - 82 kms., Mag. - 5.0 (CGS) (USCGS)	07 42 07.5	Z	0.8	0.11
4.	1P D - 11.9° H - 15 56 52.6 Lat. - 5.8°N, Long. - 125.8°E h - 179 kms., Mag. - 5.7 (CGS) (USCGS)	15 59 39.6	Z	1.8	2.00
5.	1P	16 08 35.5	Z		
6.	1P	16 12 15.8	Z		
7.	1P 1S	21 26 47.5 27 29.5	Z NE		

Bahia, April, 1964

Date	Phase	Time (GMT)		Comp.	T ₂ (sec)	A ₂ (micron)
2 APR.						
8.	1P	22	22	21.5	Z	
	1S	22	22	35.5	NE	
3 APR.						
1.	1P	00	22	07.5	NE, Z'	
	1S	22	22	25.5	N'E'	
2.	1P	04	18	17.0	Z, Z'	
	D - 27° H - 04 12 39.7 Lat. - 3.9°N, Long. - 96.6°E h - 52 kms., Mag. - 6.1 (CGS) (USCGS)					
3.	1P	12	19	08.8	Z	
4.	1P	15	49	25.0	Z	
5.	oP	19	17	42.2	Z	
6.	1P	20	36	24.2	Z	
7.	1P	22	45	32.0	Z	
	oS		55	32.0	E	
D - 77.1° H - 22 33 42.2 Lat. - 61.6°N, Long. - 147.6°W h - 40 kms., Mag. - 5.7 (CGS), 6 (PAS), 5½ (NEK), 6½ - 6¾ (PAL) (USCGS)						
4 APR.						
1.	1P	03	35	11.3	Z	1.0
	1(S)		35	43.0	E	0.07
2.	1(P)	04	58	38.0	Z	
	1S		58	46.0	N	
3.	oP	05	05	51.0	Z'	
	oS		15	43.0	N'E'	
D - 76.8° H - 04 54 01.7 Lat. - 60.1°N, Long. - 146.7°W h - 40 kms., Mag. - 5.6 (CGS) (USCGS)						
4.	oP	08	52	09.0	Z, Z'	
	oS	09	01	45.0	N'E'	
D - 74.5° H - 08 40 29.8 Lat. - 56.5°N, Long. - 152.6°W h - 15 kms., Mag. - 5.3 (CGS), 6 (PAL) (USCGS)						

Magpie, April, 1964

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

4 APR.

5. 1P 09 22 34.0 Z
 D - 74.2°
 H - 09 30 55.1
 Lat. - 56.9°N, Long. - 152.7°W
 h - 15 kms., Mag. - 5.9 (GCS), 5 3/4 - 6 (PAL)
 (USCGS)
6. 1P 17 57 41.5 Z, Z'
 1B 18 07 12.0 N'E'
 D - 73.0°
 H - 17 46 08.6
 Lat. - 56.3°N, Long. - 154.4°W
 h - 25 kms., Mag. - 5.7 (GCS), 6 1/2 (PAS), 5 3/4 - 6 (NEK),
 (USCGS) 6 1/2 - 6 3/4 (PAL)
7. 1P 18 11 16.0 Z 1.1 0.14
 D - 73.4°
 H - 17 59 43.3
 Lat. - 56.4°N, Long. - 154.5°W
 h - 25 kms., Mag. - 5.5 (GCS), 5 1/2 (NEK), 6 1/2 - 6 3/4 (PAL)
 (USCGS)
8. op 21 39 45.0 N'Z'
 os 41 27.0 N'
 D - 6.2°
 H - 21 38 14.0
 Lat. - 10.5°N, Long. - 122.1°E
 h - 33 kms., Mag. - 5.3 (GCS)
 (USCGS)

5 APR.

1. op 01 33 49.0 Z'
 os 43 24.0 N'E'
 D - 74°
 H - 01 22 13.3
 Lat. - 56.2°N, Long. - 153.5°W
 h - 25 kms., Mag. - 5.4 (GCS), 6 (PAS), 6 - 6 1/2 (PAL)
 (USCGS)
2. 1P 01 53 19.0 Z
 D - 74°
 H - 01 41 45.0
 Lat. - 56.2°N, Long. - 153.3°W
 h - 35 kms., Mag. - 5.2 (GCS), 5 3/4 - 6 (PAL)
 (USCGS)
3. 1P 06 45 08.0 Z

Baguio, April, 1964

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

5 APR.

4. (PKP) 11 38 21.0 Z
 D - 147.5°
 H - 11 18 38.9
 Lat. - 41.9°N, Long. - 83.7°W
 h - 33 kms., Mag. - 5.3 (CGS)
 (USCGS)

5. eP 19 40 13.0 Z
 D - 77.3°
 H - 19 28 18.1
 Lat. - 60.2°N, Long. - 146.7°W
 h - 15 kms., Mag. - 5.8 (CGS), 5 - 5½ (NEK), 5½ (PAL)
 (USCGS)

6 APR.

1. 1P 01 30 21.5 Z
 1S 30 35.0 NE

2. 1P 02 35 42.5 Z

3. 1P 03 03 23.2 Z

4. 1P 04 47 12.0 Z
 1S 47 42.2 H

5. 1P 07 14 06.0 Z

6. 1P 08 02 53.0 Z

7. 1P 09 33 55.0 Z
 1S 34 37.0 H

8. 1P 16 18 13.3 Z

9. 1P 20 12 44.0 Z
 1S 12 59.3 H

10. 1P 23 50 21.5 Z, Z'
 D - 39.8°
 H - 23 43 01.7
 Lat. - 5.1°N, Long. - 154.0°E
 h - 116 kms., Mag. 4.8 (CGS)
 (USCGS)

7 APR.

1. 1P 02 01 54.5 Z
 1S 02 00.0 H

2. 1(P) 02 08 07.0 Z

3. 1(P) 02 09 20.0 Z

Bagueio, April, 1964

Date	Phase	Time (GMT)	Comp.	T _g (sec)	A _g (micron)	
7 APR.						
4.	1P	04 36	28.5	NZ		
	1S	36	32.8	N		
5.	1P	05 03	22.7	Z		
	1S	03	49.0	E		
6.	e(P)	06 06	15.0	Z		
7.	1(P)	06 17	45.0	Z		
	1S	18	21.5	NE		
8.	1P	07 15	30.0	NZ		
	1S	15	35.0	E		
9.	1P	13 22	00.5	Z, N, E'	1.2	2.06
	1pP	22	46.0	N, E'		
	1S	25	09.0	N'		
	D - 16.9° H - 13 18 18.9 Lat. - 0.1°N, Long. - 123.2°E h - 150 kms., Mag. - 6.3 (CGS) (USCGS)					
10.	1P	14 30	12.8	Z		
8 APR.						
1.	1P	01 32	01.8	Z	0.7	0.10
	1S	32	28.9	E		
2.	1P	02 11	40.0	Z	0.9	0.05
	D - 39.5° H - 02 04 06.5 Lat. - 46.1°N, Long. - 152.8°E h - 40 kms., Mag. - 4.9 (CGS) (USCGS)					
	D - 8.4°; 934 kms. H - 04 56 53.2 Lat. - 9.7°N, Long. - 125.6°E h - 126 kms., Mag. - 5.0 (CGS) (USCGS)					
3.	1P	04 58	52.5	Z	1.0	0.05
4.	eP	08 17	50.5	Z	0.6	0.04
	eS	25	41.0	N'		
D - 56.4° H - 08 08 11.8 Lat. - 6.8°S, Long. - 68.9°E h - 33 kms., Mag. - 6.0 (CGS) (USCGS)						

Magpie, April, 1964

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

8 APR.

5.	IS	09 07	54.5	H		
6.	1P IS	10 22 22	00.7 27.5	Z E		
7.	1P IS	11 05 11	30.0 25.0	Z,N'E'Z' E'	1.0	0.16

D - 38.5°
 H - 10 58 09.1
 Lat. - 45.6°N, Long. - 150.6°E
 h - 40 kms., Mag. - 5.5 (GCS), 6½ (PAS), 5½ - 5¾ (NRK)
 (USCGS) 6½ - 6¾ (PAL)

8.	1P IS	17 46	09.5 23.3	Z NE		
9.	1(P)	19 45	15.0	Z		
10.	e(P)	20 01	15.0	Z'		
11.	1(P)	20 20	05.5	Z		

9 APR.

1.	1(P)	02 42	02.0	Z		
2.	e(P)	13 18	16.0	Z'		
3.	1(P) IS	14 09 10	56.0 03.8	Z NE		
4.	1(P)	15 25	22.0	Z		
5.	1(P)	23 52	56.5	Z		

D - 77.5°
 H - 13 06 15.2
 Lat. - 59.6°N, Long. - 146.1°W
 h - 15 kms., Mag. - 5.1 (GCS), 4½ - 4¾ (NRK), 5½ - 5¾ (PAL)
 (USCGS)

10 APR.

1.	1P	13 15	06.5	Z		
2.	1P IS	14 26 26	05.0 29.8	Z H		

D - 23.8°
 H - 13 10 05.4
 Lat. - 19.5°N, Long. - 144.9°E
 h - 101 kms., Mag. - 5.4 (GCS)
 (USCGS)

Bugie, April, 1964

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

10 APR.

3. 1P 14 42 40.0 Z
 4. 1P 15 10 03.2 Z

11 APR.

1. 1P 05 52 54.0 Z
 2. 1(P) 06 13 22.0 Z
 D - 9.5°
 H - 06 11 02.1
 Lat. - 25.2°N, Long. - 124.4°E
 h - 74 kms., Mag. - 5.0 (CGS)
 (USCGS)
 3. 1P 10 25 35.0 Z
 4. 1P 10 30 33.0 Z
 5. 1P 13 01 16.0 Z
 6. 1P 20 02 42.5 Z

12 APR.

1. 1P 01 36 10.0 Z'
 1S 45 49.0 N'E'
 D - 74.3°
 H - 01 24 31.2
 Lat. - 56.6°N, Long. - 152.2°W
 h - 22 kms., Mag. - 5.6 (CGS), 6½ (PAS), 5 - 5½ (MK)
 (USCGS)
 2. 1(P) 04 48 01.0 Z
 1S 48 11.5 NE
 3. 1P 06 10 07.5 Z. 0.8 0.29
 D - 54.7°
 H - 06 00 46.4
 Lat. - 13.6°N, Long. - 166.0°E
 h - 33 kms., Mag. - 5.0 (CGS)
 (USCGS)
 4. 1(P) 07 40 41.0 Z
 5. 1P 11 22 30.0 Z' 1.2 0.19
 1S 31 57.0 N'E'
 D - 76.0°
 H - 11 10 54.8
 Lat. - 33.9°S, Long. - 179.8°W
 h - 89 kms., Mag. - 5.4 (CGS)
 (USCGS)

Baguio, April, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T₁(sec) : A₁(micron)

12 APR.

6. eP 12 59 42.0 Z'
 eS 13 09 26.0 H'
 D - 75.0°
 H - 12 48 02.2
 Lat. - 36.6°N, Long. - 151.3°W
 h - 33 kms., Mag. - 5.1 (CGS)
 (USCGS)

13 APR.

1. 1P 04 58 34.5 Z
 2. 1P 06 33 51.2 Z
 3. 1P 07 28 51.5 Z
 4. 1P 08 42 47.5 Z, Z'
 D - 86.6°
 H - 08 30 45.3
 Lat. - 45.3°N, Long. - 18.1°E
 h - 33 kms., Mag. - 5.1 (CGS)
 (USCGS)
 5. 1P 08 49 48.0 Z
 D - 21.8°
 H - 08 45 24.6°
 Lat. - 22.3°N, Long. - 142.1°E
 h - 309 kms., Mag. - 5.1 (CGS)
 (USCGS)
 6. 1(P) 09 58 36.0 Z
 7. 1P 11 26 01.0 Z
 1S 27 02.0 Z
 8. 1(P) 11 29 40.5 Z
 D - 11.3°
 H - 11 26 52.1
 Lat. - 6.9°N, Long. - 126.6°E
 h - 110 kms., Mag. -
 (USCGS)
 9. eP 12 37 44.0 Z'
 eS 47 58.0 H'
 D - 81.4°
 H - 12 25 36.0
 Lat. - 59.4°N, Long. - 143.9°W
 h - 40 kms., Mag. - 4.9 (CGS)
 (USCGS)

Baguio, April, 1964

.....
 Date Phase Time (GMT) Comp. T₂(sec) A₂(microm)

13 APR.

10. 1(P) 14 16 47.0 Z
 D - 75.3°
 H - 14 05 00.0
 Lat. - 57.6°N, Long. - 151.2°W
 h - 25 kms., Mag. - 5.5 (CGS), 4½ (MRK)
 (USCGS)

14 APR.

1. 1P 01 12 26.5 Z
 2. 1P 02 20 19.5 Z
 3. 1P 08 53 29.5 Z
 4. 1P 09 43 51.0 Z
 5. 1P 13 36 30.7 Z
 6. 1P 16 07 10.0 Z
 7. 1P 20 58 55.0 Z
 8. 1P 22 44 45.0 Z
 9. 1P 23 07 08.0 Z

15 APR.

1. 1S 03 40 22.5 NE
 2. 1P 15 42 18.0 Z, Z'
 eS 51 49.0 N'E' 1.0 0.16
 D - 73.8°
 H - 15 30 47.1
 Lat. - 56.9°N, Long. - 154.4°W
 h - 35 kms., Mag. - 5.5 (CGS), 5½ - 5½ (MRK)
 (USCGS)

3. 1P 15 55 01.5 Z
 1S 55 13.0 NE
 4. 1P 16 42 16.0 Z
 5. 1S 17 12 16.5 E

Baguio, April, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T_h(sec) : A_h(micron)

16 APR.

1. 1P 01 10 25.0 Z,Z'
 eS 15 08.0 N'E'
 D - 28.8°
 H - 01 04 34.5
 Lat. - 37.0°N, Long. - 142.7°E
 h - 38 kms., Mag. - 5.1 (GCS)
 (USCGS)
2. 1P 02 45 57.0 Z 1.0 0.22
3. 1P 05 43 07.5 Z
4. 1P 06 28 53.5 Z
5. eP 13 53 25.5 Z'
 eS 14 02 28.0 E'
 D - 64.6°
 H - 13 43 08.9
 Lat. - 52.1°N, Long. - 169.4°W
 h - 33 kms., Mag. - 4.9 (GCS)
 (USCGS)
6. 1P 14 12 59.0 Z
 D - 42°
 H - 14 05 14.9
 Lat. - 7.0°N, Long. - 155.7°E
 h - 78 kms., Mag. - 5.4 (GCS)
 (USCGS)
7. 1P 19 38 33.5 Z,N'E',Z'
 1S 48 09.0 N'E'
 D - 74.2°
 H - 19 26 57.4
 Lat. - 56.4°N, Long. - 152.9°W
 h - 30 kms., Mag. - 5.5 (GCS), 6½ - 6¾ (PAS)
 (USCGS)

17 APR.

1. 1(P) 02 56 35.0 Z
2. eP 05 01 08.0 Z'
 eS 10 42.0 N'
 D - 74.7°
 H - 04 49 30.5
 Lat. - 56.4°N, Long. - 152.9°W
 h - 25 kms., Mag. - 5.3 (GCS), 5½ - 5¾ (BHK)
 (USCGS)

Hague, April, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)

17 APR.

3. 1P 06 07 37.0 MKK,N'E'Z'
 1S 13 46.0 H'
 D - 41.5°
 H - 06 00 00.2
 Lat. - 6.6°N, Long. - 154.9°E
 h - 85 kms., Mag. - 5.4 (CGS)
 (USGS)

4. 1P 09 20 49.0 Z
 D - 75.3°
 H - 09 09 07.8
 Lat. - 57.7°N, Long. - 151.4°W
 h - 20 kms., Mag. - 5.4 (CGS), M₀ - 4.4 (MKK)
 (USGS)

5. 1P 16 40 41.0 Z

18 APR.

1. e(P) 05 35 07.0 Z,Z'
 D - 38.7°
 H - 05 27 44.6
 Lat. - 45.9°N, Long. - 151.1°E
 h - 33 kms., Mag. - 5.3 (CGS)
 (USGS)

2. 1(P) 06 02 55.0 Z
 D - 39.0°
 H - 05 55 40.5
 Lat. - 45.4°N, Long. - 151.5°E
 h - 33 kms., Mag. - 4.9 (CGS)
 (USGS)

3. 1(P) 08 02 07.0 Z
 D - 16.0°
 H - 07 58 26.9
 Lat. - 29.9°N, Long. - 129.8°E
 h - 33 kms., Mag. - 4.9 (CGS)
 (USGS)

4. 1P 09 08 03.8 Z
 1S 08 12.0 H

5. 1P 11 34 36.0 Z

6. 1P 18 32 09.0 Z

7. eP 20 27 51.0 Z'
 eS 37 25.0 H'E'
 D - 74.0°
 H - 20 16 16.3
 Lat. - 56.1°N, Long. - 153.7°W
 h - 30 kms., Mag. - 4.9 (CGS)
 (USGS)

Magpie, April, 1964

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

19 APR.

1.	1P	01	31	31.8	NEZ
	1S		31	37.0	
2.	1P	03	47	54.0	Z
	1S		48	12.0	
3.	(PKP)	05	32	48.0	Z'
	D - 147.2° H - 05 13 01.6 Lat. - 41.7°N, Long. - 83.9°W h - 33 kms., Mag. - 5.5 (CGS) (USCGS)				
4.	(PKP)	14	31	42.0	Z'
	D - 136° H - 14 12 21.9 Lat. - 60.5°N, Long. - 58.3°W h - 33 kms., Mag. - 5.4 (CGS) (USCGS)				

20 APR.

1.	1P	05	18	49.0	Z.
	1S		19	18.0	
2.	1P	12	08	30.0	Z, Z'
	1S		18	14.0	
D - 76.8° H - 11 56 41.2 Lat. - 61.4°N, Long. - 147.3°W h - 30 kms., Mag. - 5.7 (CGS), 6 1/2 (FAS), 6 3/4 (NEK), 6 - 6 1/2 (PAL) (USCGS)					
3.	1P	13	48	54.0	Z
	D - 25.3° H - 13 43 40.5 Lat. - 7.3°N, Long. - 128.1°E h - 128 kms., Mag. - 5.5 (CGS) (USCGS)				
4.	1P	14	27	51.2	Z
5.	e(P)	16	30	22.5	Z
	D - 77.9° H - 16 18 26.4 Lat. - 60.7°N, Long. - 145.3°W h - 17 kms., Mag. - 4.9 (CGS) (USCGS)				

Magpie, April, 1964

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

20 APR.

6. 1P 21 20 36.0 Z
 D - 25°
 H - 21 15 19.4
 Lat. - 6.9°S, Long. - 129.3°E
 h - 91 kms., Mag. - 3.4 (GCS)
 (USCGS)

7. 1P 21 52 05.5 Z

8. 1(P) 22 36 23.0 Z
 D - 27.7°
 H - 22 30 38.0
 Lat. - 4.2°S, Long. - 102.1°E
 h - 33 kms., Mag. - 5.3 (GCS)
 (USCGS)

9. 1P 23 07 33.0 Z

21 APR.

1. 1P 02 08 36.0 NEZ
 1S 08 46.8 N

2. 1(P) 04 38 22.5 Z
 1S 38 44.8 NE

3. eP 05 13 23.0 Z,Z'
 eS 23 08.0 N'N'

D - 76.5°
 H - 05 01 35.1
 Lat. - 61.5°N, Long. - 147.4°W
 h - 40 kms., Mag. - 5.4 (GCS), 6 (PAS), 4 3/4 - 5 (NEK)
 (USCGS)

4. 1S 15 33 40.3 NE

22 APR.

1. 1P 01 48 57.0 Z

2. 1P 05 10 44.7 Z

3. 1(P) 12 50 26.5 Z

4. 1P 14 37 41.0 NEZ,Z'

5. 1P 20 09 51.0 Z,Z' 1.0 0.36

D - 56.7°
 H - 20 00 22.8
 Lat. - 15.5°S, Long. - 167.5°E
 h - 123 kms., Mag. - 5.0 (GCS)
 (USCGS)

Magpie, April, 1964

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

22 APR.

6. 1P 23 28 02.5 NEZ
 1B 28 28.5 N

23 APR.

1. 1P 03 38 15.5 Z,N'E'Z'

2. 1P 07 48 14.0 Z

3. 1P 10 40 27.8 Z,Z'
 eS 46 38.0 N'

D - 41.5°
 H - 10 32 47.9
 Lat. - 6.6°S, Long. - 155.1°E
 h - 60 kms., Mag. - 5.3 (CGS)
 (USCGS)

4. 1P 12 15 00.2 Z

5. eP 15 08 10.0 Z

D - 75.2°
 H - 14 56 30.9
 Lat. - 57.5°N, Long. - 151.9°W
 h - 25 kms., Mag. - 5.3 (CGS), 4 3/4 (MRK)
 (USCGS)

6. 1P 16 51 46.5 NEZ
 1B 52 12.7 NE

7. 1P 17 33 11.0 Z

8. 1P 20 46 26.0 NEZ

D - 495 kms.
 H - 28 45 20.7
 Lat. - 14.0°N, Long. - 124.4°E
 h - 45 kms.
 (USCGS)

24 APR.

1. e1P 06 02 25.0 NEZ,N'E'Z' 1.5 2.42
 1B 07 25.0 N'E'

D - 31.8°
 H - 05 56 10.1
 Lat. - 5.1°S, Long. - 144.2°E
 h - 106 kms., Mag. - 6.3 (CGS), 6 3/4 (PAS), 6 1/2 - 6 3/4 (MRK)
 (USCGS)

2. 1P 06 22 15.5 Z 0.9 0.36

Bugala, April, 1964

Date	Phase	Time (GMT)	Comp.	T ₀ (sec)	A ₀ (micron)
24 APR.					
	3. IS	07 39	53.0	NE	
	4. 1P	12 01	27.0	Z	
	5. 1(P)	14 33	47.0	Z	
	6. 1P	15 03	02.5	Z	
	7. 1(P)	21 40	36.0	Z	
	1(S)	41	32.7	E	
	8. 1P	22 12	00.2	Z	
	IS	12	21.8	E	
	9. 1(P)	22 48	28.5	Z	
25 APR.					
	1. 1P	05 44	21.5	Z	
	2. 1P	15 19	06.8	Z	
	3. IS	17 29	41.0	NEZ	
	4. 1P	18 40	07.0	Z, Z'	
	D - 9.1° H - 18 37 58.1 Lat. - 24.4°N, Long. - 125.3°E h-33 kms., Mag. - 5.3 (CGS) (USCGS)				
	5. 1P	19 45	02.0	Z	
26 APR.					
	1. 1(P)	03 09	16.0	E	
	2. 1P	03 51	04.0	Z	
	3. 1P	04 17	45.8	NEZ	
	IS	17	49.8	E	
	4. IS	04 58	14.9	NE	
	5. 1P	07 03	54.5	NEZ	
	IS	04	15.5	E	
	6. 1P	08 21	33.3	NEZ	
	7. 1P	08 48	27.0	Z	
	8. IS	10 05	42.0	E	

Baguio, April, 1964

Date	Phase	Time (GMT)	Comp.	T _g (sec)	A _g (micron)
26 APR.					
9.	eP	14 05 05.0	Z,N'Z'		
	D - 27.0°				
	H - 13 59 27.7				
	Lat. - 5.8°S, Long. - 105.0°E				
	h - 90 kms., Mag. - 5.6 (CGS)				
	(USCGS)				
10.	1P	15 02 34.0	Z,Z'	0.8	0.53
	D - 71.0°				
	H - 14 52 07.6				
	Lat. - 20.6°S, Long. - 178.0°W				
	h - 490 kms., Mag. - 5.1 (CGS)				
	(USCGS)				
11.	1(P)	15 14 56.0	Z		
	1S	15 06.5	E		
12.	1(P)	21 21 11.0	Z		
27 APR.					
1.	1P	01 42 56.0	Z		
	e(S)	47 54.0	E		
	D - 27.5°				
	H - 01 37 12.1				
	Lat. - 0.3°N, Long. - 98.1°E				
	h - 33 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
2.	eP	06 56 30.0	Z		
	D - 80°				
	H - 06 44 25.1				
	Lat. - 60.1°S, Long. - 151.0°E				
	h - 33 kms., Mag. - 5.0 (CGS)				
	(USCGS)				
3.	1P	08 03 51.0	Z		
	1S	03 57.6	E		
4.	1P	08 13 05.0	Z		
	1S	13 34.0	E'		
5.	1P	12 45 24.7	Z		
	1S	46 28.0	E		
6.	1P	12 55 51.7	Z		
7.	1P	16 42 54.0	Z		
	1S	43 07.2	E		
28 APR.					
1.	1P	13 13 54.0	Z		
2.	1P	14 52 14.3	E		
	1S	52 32.0	E'		

Baguio, April, 1964

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

29 APR.

1. 1P 02 15 45.5 Z
 D - 18°
 H - 02 11 36.6
 Lat. - 32.4°N, Long. - 129.0°E
 h - 33 kms., Mag. - 4.6 (CGS)
 (USCGS)

2. 1P 02 45 48.0 Z

3. 1P 04 33 39.5 Z

4. 1P 07 02 44.8 Z
 1S 02 52.2 E

5. 1P 07 29 14.0 Z

6. 1P 18 28 33.0 Z

30 APR.

1. 1P 06 02 09.0 Z
 1S 02 31.0 NE

2. 1P 08 50 43.8 Z
 1S 51 05.0 NE

3. 1P 13 01 08.5 NZ
 1S 01 24.0 N'

4. 1P 13 18 56.0 NE
 1S 19 13.0 NE

5. 1P 14 55 00.5 Z
 D - 3.9°, 434 kms.,
 H - 14 54 03.3
 Lat. - 20.3°N, Long. - 121.1°E
 h - 50 kms., Mag. - 5.7 (CGS)
 (USCGS)

6. 1P 15 30 13.5 NZ
 1S 30 26.0 NE

7. 1P 15 50 23.0 NEZ
 1S 50 30.0 NE

8. 1P 16 10 48.0 Z, E' Z'
 1S 16 42.0 E'
 D - 38.6°
 H - 16 08 31.4
 Lat. - 4.6°S, Long. - 153.2°E
 h - 38 kms., Mag. - 5.2 (CGS)
 (USCGS)

Bagueio, April, 1964

.....
Date : Phase : Time (GMT) : Comp. : T_m(sec) : A_m(micron)
.....

30 APR.

9.	1P	17	32	44.3	NEZ
	1S		32	50.0	NE
10.	1S	18	22	50.0	E
11.	1P	19	08	08.7	Z
	1S		09	08.0	NE

D - 5.6°; 623 kms.,

H - 19 06 48.7

Lat. - 12.3°N, Long. - 124.4°E

h - 121 kms., Mag. -

(USCGS)

BAGUIO, MAY, 1964

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

1 MAY

1.	1P sS	06 23	13 23	49.0 38.0	Z N		
	D - 77.3° H - 06 01 55.4 Lat. - 60.5°N, Long. - 145.6°W h - 20 kms., Mag. - 5.4 (CGS), 4 3/4 - 5 (MEX) (USCGS)						
2.	1P 1S	07	27	11.8 23.4	Z NE		
3.	1P 1S	09	10	43.0 55.0	Z N		
4.	1P 1S	11	07	18.2 34.8	Z E		
5.	1P 1S	11	13	05.0 09.0	NEZ NE		
6.	1P	19	31	35.0	Z	0.8	0.04
7.	s(P)	21	28	56.0	Z		

2 MAY

1.	1P	05	21	25.5	Z		
2.	1P	08	31	21.3	Z		
3.	1P	08	31	01.3	Z		
4.	1P	08	47	14.0	Z		
5.	1P	11	02	50.6	Z		
6.	1P	11	50	43.6	Z		
7.	1P	12	34	33.5	Z		
8.	1P	14	50	39.0	Z		
9.	1P 1S	16	18 24	17.0 09.0	Z N'E		
	D - 38.4° H - 16 11 00.2 Lat. - 45.5°N, Long. - 150.3°E h - 35 kms., Mag. - 5.7 (CGS), 6 1/2 (PAS), 6 1/2 (MEX), 6 - 6 1/2 (PAL) (USCGS)						

Magpie, May, 1964

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

2 MAY

10. 1P 22 49 30.0 Z
 D - 15°
 H - 22 46 24
 Lat. - 1.9°N, Long. - 123.0°E
 h - 487 kms., Mag. - 5.2 (CGS)
 (USGS)

3 MAY

1. 1S 01 49 41.5 NE
 2. 1P 02 00 57.0 Z 0.77 0.10
 3. 1P 03 24 40.5 NE
 1S 25 14.0 NE, N'E'
 4. s(P) 04 51 17.0 Z
 1(S) 51 43.0 N
 5. 1(S) 13 00 04.8 N
 6. 1(P) 23 07 08.5 Z
 D - 16.5°
 H - 23 03 24
 Lat. - 0.1°N, Long. - 123.4°E
 h - 160 kms., Mag. -
 (USGS)

4 MAY

1. 1P 05 52 31.5 Z
 2. 1P 12 16 23.0 Z
 3. 1P 12 26 21.0 Z
 4. 1P 14 39 35.0 Z
 5. 1P 17 00 18.0 Z
 6. 1(P) 17 08 06.3 Z

5 MAY

1. 1P 04 17 10.3 Z
 2. 1P 07 25 42.2 Z
 3. 1P 08 09 05.0 Z
 s(S) 15 14.0 E'
 D - 38.4°
 H - 08 01 48.4
 Lat. - 45.5°N, Long. - 150.1°E
 h - 40 kms., Mag. - 4.9 (CGS)
 (USGS)

Baguio, May, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)

5 MAY

4. 1P 13 59 53.3 Z
 1S 14 00 04.2 E

6 MAY

1. 1(P) 02 33 39.0 Z

2. 1P 05 47 21.9 Z
 1S 47 27.0 NE

3. 1P 07 20 20.0 Z
 1S 20 33.8 N

4. 1P 08 19 37.0 NZ, Z'
 eS 26 41.0 N' 1.5 0.40

D - 49.9°
 H - 08 10 47.5
 Lat. - 11.1°N, Long. - 162.2°E
 h - 40 kms., Mag. - 5.1 (CGS) 6½ - 6½ (MKS), 5½ - 5 3/4 (PAL)
 (USCGS)

5. 1(P) 08 27 54.5 Z

6. 1P 12 08 55.8 Z
 1S 09 13.8 NE

7. eP 15 38 16.0 Z'
 eS 47 55.0 N'E'

D - 74.8°
 H - 15 26 35.5
 Lat. - 56.7°N, Long. - 152.1°W
 h - 15 kms., Mag. - 5.4 (CGS), 5 - 5½ (MKS), 5 3/4 (PAL)
 (USCGS)

8. 1(P) 17 16 43.5 Z

D - 28.8°
 H - 17 10 53.7
 Lat. - 38.8°N, Long. - 142.4°E
 h - 33 kms., Mag. - 4.7 (CGS)
 (USCGS)

9. 1(P) 20 17 30.5 Z

10. 1S 20 57 11.6 N

7 MAY

1. 1P 01 26 05.5 Z
 1S 26 13.5 E

2. 1P 04 12 34.0 Z

3. 1P 05 54 43.8 Z
 1S 55 04.0 NE

Magpie, May, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T_H (sec) : A_H (micron)

7 MAY

- | | | | | | | |
|-----|---|----------------|--------------|------------|-----|------|
| 4. | op
is | 05 58
06 08 | 14.0
53.0 | Z,Z'
N' | 2.0 | 1.24 |
| | D - 87.5°
H - 05 45 29.5
Lat. - 4.0°S, Long. - 34.9°E
h - 33 kms., Mag. - 6.4 (CGS), 6 - 6½ (BRK), 6½ - 6¾ (PAL)
(USGS) | | | | | |
| 5. | 1P | 08 04 | 08.0 | Z,N'E'Z' | | |
| | D - 29.4°
H - 07 58 14.3
Lat. - 40.4°N, Long. - 139.0°E
h - 33 kms., Mag. - 6.2 (CGS)
(USGS) | | | | | |
| 6. | 1P | 08 28 | 54.5 | Z | 1.2 | 0.29 |
| 7. | 1P | 11 15 | 14.5 | Z | | |
| 8. | 1P | 11 32 | 12.5 | Z | | |
| 9. | 1P
is | 17 17 | 28.0
35.0 | NEZ
E | | |
| 10. | 1P | 20 18 | 45.5 | Z | | |
| | D - 29.4°
H - 20 12 49.3
Lat. - 40.5°N, Long. - 139.0°E
h - 33 kms., Mag. - 5.9 (CGS), 6½ (PAS), 6½ (BRK), 6 (PAL)
(USGS) | | | | | |

8 MAY

- | | | | | | | |
|----|---|-------------|--------------|------------|--|--|
| 1. | 1P
is | 04 21 | 40.0
51.0 | E
NE | | |
| 2. | 1P
is | 06 23 | 49.5
16.0 | Z
E | | |
| 3. | 1(P) | 07 22 | 24.5 | Z | | |
| 4. | 1(P) | 10 32 | 45.0 | Z | | |
| 5. | op
os | 16 33
42 | 24.0
45.0 | Z'
N'E' | | |
| | D - 73.5°
H - 16 21 49.8
Lat. - 56.7°N, Long. - 154.0°W
h - 25 kms., Mag. - 5.3 (CGS), 5 (BRK), 5½ (PAL)
(USGS) | | | | | |
| 6. | 1(P) | 21 46 | 39.0 | Z | | |

Magpie, May, 1964

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

8 MAY

7. eP 21 49 30.0 Z'
 D - 16.0°
 H - 21 45 47
 Lat. - 1.7°N, Long. - 126.5°E
 h - 33 kms., Mag. - 4.7 (CGS)
 (USCGS)

8. 1P 23 26 06.9 Z
 1S 26 23.2 H

9 MAY * 9. eP 23 51 23.0 Z, Z'
 eS 00 00 04.0 H, H'
 D - 65.0°
 H - 23 40 44.1
 Lat. - 52.2°N, Long. - 169.5°W
 h - 20 kms., Mag. - 5.2 (CGS), 5½ (PAL)
 (USCGS)

10. 1(P) 23 59 31.0 Z
 D - 30.5°
 H - 23 53 21.1
 Lat. - 40.4°N, Long. - 142.2°E
 h - 47 kms., Mag. - 4.5 (CGS)
 (USCGS)

9 MAY

1. 1P 02 13 07.2 Z
 eS 22 04.0 B'
 D - 64.5°
 H - 02 02 28.8
 Lat. - 52.2°N, Long. - 169.6°W
 h - 25 kms., Mag. - 5.1 (CGS), 5½ (PAL)
 (USCGS)

2. 1P 07 46 51.0 Z

3. 1P 08 47 56.3 Z

4. 1P 09 10 25.0 Z

5. 1P 09 12 13.0 Z
 1S 12 31.4 NE

6. 1P 11 40 13.0 Z
 1S 40 26.5 NE

7. eP 12 12 37.2 Z

8. eP 13 50 10.0 Z'
 eS 51 50.0 H'
 D - 8.8°
 H - 13 48 05.3
 Lat. - 8.1°N, Long. - 123.2°E
 h - 60 kms., Mag. - 5.7 (CGS)
 (USCGS)

Baguio, May, 1964

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

9 MAY

9.	1P	14	45	36.3	Z		
	1S		45	55.5	E		
10.	1P	17	13	13.0	NEZ		
	1S		13	32.0	N'E'		
11.	1P	18	25	43.0	NEZ		
12.	1P	21	15	47.0	Z		
	eS		22	16.0	E'		

D - 44.4°
 H - 21 07 41.6
 Lat. - 9.2°S, Long. - 156.7°E
 h - 26 kms., Mag. - 5.4 (CGS)
 (USCGS)

10 MAY

1.	eP	05	44	45.0	Z, Z'		
	eS		48	55.0	N'E'		
D - 22.8° H - 05 39 42.6 Lat. - 29.0°N, Long. - 141.5°E h - 62 kms., Mag. - 5.3 (CGS), 4 3/4 - 5 (ZPK) (USCGS)							
2.	1P	06	35	02.3	Z, Z'	1.2	0.45
D - 38.8° H - 06 27 45.6 Lat. - 4.6°S, Long. - 153.2°E h - 77 kms., Mag. - 4.6 (CGS) (USCGS)							
3.	1P	07	06	29.0	Z		
	1S		06	37.6	NEZ		
4.	eP	07	54	32.0	Z		
D - 16.0° H - 07 50 44 Lat. - 1.6°N, Long. - 126.3°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)							
5.	1P	13	28	10.7	NEZ		
	1S		28	25.0	NE		
6.	1P	18	41	04.0	NEZ		
	1S		41	13.0	NE		
7.	1P	19	50	28.5	Z		
	1S		50	55.5	E		
8.	1(P)	22	15	01.8	Z		

Baguio, May, 1964

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

11 MAY

1. 1P 04 30 04.6 Z
2. e(P) 05 19 46.0 Z
 1S 20 04.6 E
3. 1P 08 57 20.8 Z
4. 1P 15 00 39.5 Z
 eS 03 26.0 E'
 D - 14.2°
 H - 14 57 16.6
 Lat. - 4.3°N, Long. - 127.9°E
 h - 60 kms., Mag. - 5.7 (CGS)
 (USCGS)
5. 1P 16 56 02.5 NEZ
 D - 10.7°, 1190 kms.
 H - 16 53 39.1
 Lat. - 6.4°N, Long. - 124.0°E
 h - 567 kms., Mag. - 5.2 (CGS)
 (USCGS)

12 MAY

1. 1P 10 29 57.5 Z
2. 1P 18 28 26.0 Z
 eS 38 02.0 N'E'
 D - 75°
 H - 18 16 41.9
 Lat. - 56.6°N, Long. - 152.4°W
 h - 10 kms., Mag. - 5.3 (CGS), 5½ - 5¾ (BRK), 6 - 6½ (PAL)
 (USCGS)

13 MAY

1. eP 05 37 12.0 Z'
 eS 46 56.0 N'
 D - 76.5°
 H - 05 25 26.1
 Lat. - 32.8°S, Long. - 178.3°W
 h - 33 kms., Mag. - 5.3 (CGS), 6½ (PAS), 5¾ (BRK)
 (USCGS)
2. 1P 11 16 31.5 Z 0.8 0.15
 D - 70.3°
 H - 11 06 16.4
 Lat. - 21.8°S, Long. - 179.6°W
 h - 578 kms., Mag. - 4.6 (CGS)
 (USCGS)
3. 1(P) 16 20 49.0 Z
4. 1S 20 18 12.0 N

Baguio, May, 1964

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

13 MAY

5. e(P) 20 49 30.0 Z'
 D - 76.0°
 H - 20 37 54
 Lat. - 32.4°S, Long. - 176.3°W
 h - 70 kms., Mag. - 4.9 (CGS)
 (USCGS)

6. e(P) 23 32 54.0 Z
 1S 33 15.0 N

14 MAY

1. 1P 02 37 55.0 Z
 eS 43 39.0 E'
 D - 38.5°
 H - 02 30 32.2
 Lat. - 4.5°S, Long. - 152.9°E
 h - 32 kms., Mag. - 4.9 (CGS)
 (USCGS)

2. 1P 13 40 17.3 Z
 1S 40 22.2 NE

3. 1P 23 06 19.0 Z
 1S 06 44.0 NE

15 MAY

1. eP 10 57 04.0 Z'
 eS 11 02 30.0 E'
 D - 34.8°
 H - 10 50 21
 Lat. - 3.5°S, Long. - 149.1°E
 h - 44 kms., Mag. - 4.7 (CGS)
 (USCGS)

2. 1S 17 40 32.5 N

3. 1(P) 21 58 44.0 Z
 1S 59 14.3 NE

4. 1P 22 27 37.0 Z
 1S 27 49.0 N

16 MAY

1. 1P 03 04 52.5 Z
 1S 05 28.8 N

2. 1P 06 05 08.2 Z

Baguio, May, 1964

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

16 MAY

3.	1P	06 09 39.0	Z	1.0	0.13
	D - 47.8°				
	H - 06 00 58.1				
	Lat. - 49.9°N, Long. - 78.3°E				
	h - 0, Mag. - 5.6 (CGS), 4½ - 4½ (BRK) (USCGS)				
4.	1P	07 20 24.5	Z		
5.	1P	08 47 23.7	Z		
	D - 48.3°				
	H - 08 38 54.0				
	Lat. - 36.3°N, Long. - 71.5°E				
	h - 122 kms., Mag. - 5.3 (CGS) (USCGS)				
6.	1P	14 13 11.5	Z		
7.	1P	16 16 22.0	Z		
8.	eP	16 19 33.0	Z		
	eS	29 18.0	H		
	D - 76.5°				
	H - 16 07 46.2				
	Lat. - 32.8°N, Long. - 178.3°W				
	h - 33 kms., Mag. - 5.4 (CGS), 6 (PAS), 6½ - 6½ (PAL) (USCGS)				
9.	1P	18 16 34.0	Z		
10.	1P	19 05 08.5	Z		
11.	1P	22 16 03.0	Z		

17 MAY

1.	eP	01 02 20.0	Z		
	eS	12 23.0	H		
	D - 79.5°				
	H - 00 50 17.9				
	Lat. - 59.4°N, Long. - 142.7°W				
	h - 35 kms., Mag. - 5.1 (CGS), 5 3/4 (PAS), 6 - 6½ (BRK), (USCGS) 6½ - 6½ (PAL)				
2.	1P	01 27 00.3	Z		
	e(S)	27 25.5	H		
3.	1P	04 01 59.0	Z		
	1S	02 42.5	H		

Baguio, May, 1964

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

17 MAY

4.	i(P)	04	42	21.5	Z		
	iS		42	47.8	NE		
5.	iP	04	51	26.5	NEE	0.6	0.19
	i(S)		51	42.0	N		
6.	iP	14	46	20.5	NEZ		
	iS		46	40.8	NE		
7.	i(P)	19	13	29.0	Z		
	iS		13	41.5	NE		
8.	eP	19	47	07.0	Z'		
	D - 124.5° H - 19 26 20.6 Lat. - 35.2°N, Long. - 35.9°W h - 33 kms., Mag. - 5.6 (CGS), 6½ (PAS), 5 3/4 - 6 (NEK), (USCGS) 6 - 6½ (PAL)						
9.	iP	20	00	40.3	Z		
	i(S)		01	13.0	E		
10.	iP	20	39	17.5	Z		
	iS		39	52.3	E		

18 MAY

1.	i(P)	05	14	26.7	Z		
2.	iP	12	35	37.5	Z		
	iS		35	57.0	N		
3.	eP	14	23	43.5	Z, Z'	1.2	0.16
	e(S)		33	26.0	E'		
D - 74.0° H - 14 12 10.1 Lat. - 21.2°S, Long. - 174.5°W h - 33 kms., Mag. - 5.6 (CGS), 4½ (NEK) (USCGS)							
4.	iP	14	35	46.3	Z		
5.	i(S)	14	54	57.0	E		
6.	iP	16	26	58.5	Z		
	iS		27	13.3	E		
7.	eP	17	43	58.0	Z'		
	eS		48	37.0	E'		
D - 25.8° H - 17 38 25.5 Lat. - 16.2°N, Long. - 147.3°E h - 19 kms., Mag. - 5.1 (CGS) (USCGS)							

Baguio, May, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
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19 MAY

1.	1P	02 15 31.4	Z		
2.	1P	03 56 29.0	Z		
	1S	56 40.5	N		
3.	1P	10 46 42.5	Z		
	sS	52 54.0	E'		

D - 37.7°

H - 10 39 24.8

Lat. - 45.5°N, Long. - 150.3°E

h - 33 kms., Mag. - 5.4 (CGS)

(USCGS)

4.	1P	20 32 18.0	Z		
	sS	36 20.0	N'		

D - 22°

H - 20 27 24.8

Lat. - 1.2°S, Long. - 133.8°E

h - 33 kms., Mag. -

(USCGS)

5.	PKP	23 23 28.0	Z, Z'		
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D - 154.3°

H - 23 03 41.8

Lat. - 0.7°S, Long. - 80.2°W

h - 54 kms., Mag. - 5.4 (CGS), 6 (PAS), 5½ - 5½ (BRK)

(USCGS)

20 MAY

1.	1P	05 44 02.0	Z		
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2.	1P	06 06 48.0	Z, Z'		
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D - 26.6°

H - 06 01 14.8

Lat. - 2.7°S, Long. - 139.3°E

h - 61 kms., Mag. - 5.8 (CGS), 5 3/4 (PAL)

(USCGS)

3.	1P	07 18 27.5	Z		
	1S	18 31.8	NE		

4.	1(P)	10 37 14.5	Z		
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5.	1P	17 24 06.0	Z		
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6.	1P	17 58 56.5	NEZ		
	1S	59 14.5	N		

7.	1P	19 24 36.0	Z		
	1S	24 54.3	NE		

Baguio, May, 1964

Date	Phase	Time (GMT)	Comp.	T _h (sec)	A _h (micron)	
21 MAY						
1.	1S	08 15	49.0	NE		
2.	1P	10 35	00.0	Z		
3.	1P	11 32	57.5	NE		
	1S	33	08.2	E		
4.	1P	12 05	26.5	NE	1.1	0.18
5.	1P	14 04	21.5	Z		
	1S	04	40.3	N		
6.	1(P)	15 02	09.0	Z		
7.	1P	15 47	32.0	Z		
	D - 74.0° H - 15 36 01.5 Lat. - 59.0°N, Long. - 153.5°W h - 15 kms., Mag. - 5.3 (CGS), 4 3/4 - 5 (NEK) (USCGS)					
8.	1P	23 17	59.0	Z	0.8	0.05
	D - 37.0° H - 23 10 49.0 Lat. - 44.5°N, Long. - 149.6°E h - 45 kms., Mag. - 4.7 (CGS) (USCGS)					
22 MAY						
1.	1(P)	09 59	59.5	Z		
	1S	10 00	20.0	E		
2.	1P	10 07	07.5	Z	0.8	0.19
	D - 14.5° H - 10 03 42 Lat. - 2.7°N, Long. - 124.8°E h - 201 kms., Mag. - 4.9 (CGS) (USCGS)					
3.	1P	11 39	11.9	Z		
	1S	39	37.0	N		
4.	1(P)	14 09	29.0	Z		
	D - 9.9°, 1161 kms., H - 14 07 12 Lat. - 8.5°N, Long. - 126.5°E h - 121 kms., Mag. - 4.6 (CGS) (USCGS)					
5.	1P	16 06	36.0	Z	1.0	0.20

Magulo, May, 1964

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 /Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)

23 MAY

1.	1P	00 27 25.0	Z		
	D - 62.0° H - 00 17 07.5 Lat. - 14.6°N, Long. - 56.5°E h - 33 kms., Mag. - (USCGS)				
2.	1P	02 08 59.0	NEZ		
3.	1P	06 24 28.0	NEZ		
4.	1P	08 03 14.8	Z		
	1S	03 38.7	N		
5.	1P	11 26 48.5	Z		
	esP	28 42.0	E'		
	1S	30 16.2	E		
	D - 21.3° H - 11 22 33.3 Lat. - 28.6°N, Long. - 138.4°E h - 409 kms., Mag. - 5.1 (CGS) (USCGS)				
6.	1P	13 45 58.5	Z		
7.	1P	14 32 42.0	NEZ		
	1S	32 47.0	NEZ		
8.	1P	23 55 10.0	Z		

24 MAY

1.	1P	04 24 44.0	Z, Z'	1.0	0.18
	es	34 23.0	E'		
	D - 75.2° H - 04 13 05.3 Lat. - 22.6°S, Long. - 174.1°W h - 33 kms., Mag. - 5.7 (CGS), 5 - 5½ (NEK) (USCGS)				
2.	1P	10 36 59.2	Z		
	es	41 11.0	N'		
	D - 26.0° H - 10 31 24.1 Lat. - 34.3°N, Long. - 141.1°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)				
3.	1P	16 15 21.5	Z		
4.	1P	21 07 18.7	Z	1.0	0.18

Dagupan, May, 1964

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

25 MAY

Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
1.	1P	02 37	NEZ	11.7	
	1S	37	E'	34.0	
2.	1P	02 45	Z	52.8	
	1S	46	H	19.7	
3.	1P	02 54	Z	46.0	
	1S	54	E	59.5	
4.	1(P)	03 00	Z	19.0	
	1S	00	E	38.0	
5.	1(P)	05 12	Z	58.5	
	1S	13	E	12.7	
6.	1P	05 36	Z	09.0	
	1(S)	36	H	25.0	
7.	1P	05 38	Z	03.0	0.6
	1S	38	H	23.0	0.08
8.	1P	09 00	Z	16.0	
	1S	00	E	29.0	
9.	1P	09 30	Z	17.8	
	1P	30	Z	20.2	
10.	1(P)	09 44	Z	45.0	
11.	1(P)	10 42	Z	46.0	
	1S	43	H	02.0	
12.	1P	12 13	Z	59.5	
	1S	14	NE	09.0	
13.	oP	19 51	Z, E'Z'	43.0	
	oS	57	E'	52.0	
D - 40.5° H - 19 44 07.0 h - 33 km, Mag. - 5.5 (GCS) Lat. - 9.1°S, Long. - 88.9°E (DGGCS)					
14.	1P	20 08	Z	07.9	
	1S	08	H	27.5	

Baguio, May, 1964

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

26 MAY

1.	IS	00 25	19.0	N	
2.	1(P)	02 31	14.5	Z	
3.	1P	02 41	58.0	Z	
4.	1P	02 55	13.0	Z	
5.	1P	03 05	08.5	Z	
	IS	05	29.8	E	
6.	1P	03 56	58.5	Z	
	IS	57	10.3	NE	
7.	1P	06 31	13.0	Z	
8.	1P	09 00	58.5	Z	
9.	1P	09 46	11.2	Z	
	D - 24°				
	H - 09 40 57.9				
	Lat. - 16.5°N, Long. - 145.9°E				
	h - 94. kms., Mag. - 5.1 (OGS)				
	(USGGS)				
10.	1P	09 52	30.5	Z	
	IS	52	58.0	N	
11.	(1P)	11 15	22.0	Z'	
	PKP	18	01.0	Z'	
	D - 132°				
	H - 10 59 12.3				
	Lat. - 56.2°S, Long. - 27.8°W				
	h - 120 kms., Mag. - 5.9 (OGS), 7½ - 7¾ (HK), 7 - 7½ (PAL)				
	(USGGS)				
12.	1P	11 21	33.7	Z	
13.	1P	11 26	39.7	Z	
14.	1P	15 10	01.5	Z	
	IS	10	16.0	E	

27 MAY

1.	1P	08 20	08.5	Z	
2.	1P	12 03	35.5	Z	
3.	1P	13 56	40.2	Z	
4.	1P	19 12	36.5	Z	
	IS	12	43.0	N	

Baguio, May, 1964

Date	Phase	Time (GMT)	Comp.	T_E (sec)	A_E (micron)
27 MAY					
5.	1P	21 42	07.0	Z	
	1S	42	29.5	N	
6.	1P	23 58	34.6	Z	
28 MAY					
1.	1P	01 58	54.0	Z	
	D - 8.3° ; 923 kms., H-01 56 58.9 Lat. - 24.5° N, Long. - 122.0° E h-4 kms., Mag. - 5.9 (CGS) (USCGS)				
2.	1(P)	06 35	22.5	Z	
	D - 10.6° H - 06 32 54 Lat. - 7.8° N, Long. - 126.8° E h - 103 kms., Mag. - 4.7 (CGS) (USCGS)				
3.	1P	08 00	30.8	Z	
	1S	00	33.0	NE	
4.	1P	10 31	20.5	Z	
	1S	31	39.0	E	
5.	1P	11 29	13.8	Z	
	1S	29	24.0	NE	
6.	1P	23 32	13.0	Z	
	D - 16.2° H - 23 28 27.9 Lat. - 1.6° N, Long. - 127.2° E h - 103 kms., Mag. - 6.3 (CGS) (USCGS)				
29 MAY					
1.	1P	00 21	24.5	Z	
	1(S)	21	36.0	E	
2.	1P	02 16	17.5	Z	
3.	1P	02 58	21.5	Z	
4.	1P	05 15	12.0	Z	0.8
5.	1(P)	09 26	57.0	Z	0.17

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.....
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29 MAY

6.	1P	10 29	30.2	Z		
	D - 77.5°					
	H - 10 17 34.5					
	Lat. - 60.2°N, Long. - 146.3°W					
	h - 5 kms., Mag. - 5.6 (CGS), 5 - 5 1/4 (MRK), 5 1/2 (PAL)					
	(USCGS)					
7.	1P	17 26	31.0	Z		
	1S	26	45.0	H		
8.	1P	17 29	14.0	Z		
	1S	29	28.0	MEZ		
9.	1P	18 45	15.7	Z		
10.	1P	18 48	46.3	Z		
11.	1(P)	19 43	38.0	Z		
12.	1P	20 13	54.0	Z	1.0	0.32
	sS	18	00.0	E		
	D - 22°					
	H - 20 09 01					
	Lat. - 0.5°S, Long. - 134.7°E					
	h - 33 kms., Mag. - 5.1 (CGS)					
	(USCGS)					
13.	1P	21 00	25.0	Z		

30 MAY 1(P)

1.	1(P)	03 30	06.7	Z		
2.	1P	10 14	09.0	Z		
3.	s1P	14 36	18.5	Z		
	s(S)	41	19.0	E		
	D - 27°					
	H - 14 30 45.3					
	Lat. - 36.2°N, Long. - 141.4°E					
	h - 49 kms., Mag. - 5.4 (CGS), 6 1/4 (PAS), 5 3/4 - 6 (MRK)					
	(USCGS) 5 1/2 - 5 3/4 (PAL)					
4.	1P	17 25	25.0	Z		
	D - 9.1°					
	H - 17 23 17.3					
	Lat. - 9.5°N, Long. - 126.4°E					
	h - 91 kms., Mag. - 5.3 (CGS)					
	(USCGS)					

Bague, May, 1964

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30 MAY.

5.	1P	17	51	31.0	Z		
	1S		51	45.0	E		
6.	1P	19	34	45.5	NEZ		
	1S		34	48.5	NE		
7.	1P	20	19	07.0	Z		
	1S		19	29.5	E		
8.	1P	22	21	33.7	Z		
	1S		21	53.5	E		
9.	1P	23	26	34.0	Z		
	1S		26	48.5	E		

31 MAY

1.	1P	00	47	27.0	Z,Z'		
	1S		52	56.0	E'		
D - 35.0° H - 00 40 36.4 Lat. - 43.5°N, Long. - 146.8°E h - 48 kms., Mag. - 6.3 (CGS), 6 3/4 - 7 (PAS), 7 (NEK), (USCGS) 6 1/2 - 6 3/4 (PAL),							
2.	1P	04	06	40.9	NEZ,E'Z'		
3.	1P	04	23	15.0	Z		
	1S		23	24.5	E		
4.	1P	06	45	44.0	Z		
5.	1P	10	33	18.8	Z		
6.	1P	13	25	04.0	Z	0.8	0.07
	D - 24.9° H - 13 19 46.5 Lat. - 35.3°N, Long. - 103.1°E h - 33 kms., Mag. - 5.1 (CGS) (USCGS)						
7.	1P	17	25	21.5	Z,Z'		
	1S		33	34.0	E'		
D - 59.8° H - 17 15 26.8 Lat. - 13.6°S, Long. - 172.1°E h - 73 kms., Mag. - 5.0 (CGS), 4 3/4 - 5 (NEK) (USCGS)							

Baguio, June, 1964

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

1 JUNE

1. 1P 06 14 27.5 RZ 1.1 0.36
 D - 55.8°
 H - 06 05 07.6
 Lat. - 14.6°S, Long. 167.4°E
 h - 176 kms., Mag. - 5.2 (CGS)
 (USCGS)

2. 1(P) 08 52 38.0 Z
 D - 13.0°
 H - 08 49 37.1
 Lat. 4.6°N, Long. - 125.9°E
 h - 113 kms., Mag. - 5.3 (CGS)
 (USCGS)

3. 1P 09 34 25.5 Z
 1S 34 41.0 NE

4. 1P 17 01 50.2 NEZ
 1S 01 59.0 NE

5. 1(P) 18 02 59.5 Z

6. 1S 21 49 00.2 N

2 JUNE

1. 1P 07 30 50.5 Z

2. 1P 14 28 39.0 NEZ, Z'
 1S 28 54.0 N'

3. -1P 15 00 48.0 Z

4. 1P 15 21 53.2 Z

5. 1P 17 13 46.0 Z

6. 1P 18 27 10.0 Z

7. 1P 23 22 24.8 Z 1.0 0.16

3 JUNE

1. 1P 05 10 50.0 Z

2. 1P 06 19 11.0 Z

3. 1P 14 53 40.0 Z

4. 1P 17 07 47.0 Z

5. 1P 18 11 00.0 Z
 1S 11 10.1 E

Buglio, June, 1964

Date	Phase	Time (GMT)			Comp.	T_p (sec)	A_p (micron)
4 JUNE							
1.	1P	08	54	04.5	Z		
2.	1(P)	10	23	29.7	Z		
3.	eP	11	24	13.0	Z'		
	e(S)		30	06.0	E'		
	D - 37°						
	H - 11 17 11.8						
	Lat. - 6.1°S, Long. - 149.9°E						
	h - 54 kms., Mag. - (USCGS)						
4.	1P	11	24	19.0	Z		
5.	e(P)	13	01	40.0	Z'		
	e(S)		05	55.0	E'		
	D - 25.5°						
	H - 12 56 02.6						
	Lat. - 4.9°S, Long. - 134.2°E						
	h - 33 kms., Mag. - (USCGS)						
6.	1P	16	58	46.3	NEZ		
	1S		59	08.0	N		
5 JUNE							
1.	1(P)	05	50	31.0	Z		
2.	1(P)	22	18	33.0	Z		
	1P		20	30.2	Z		
6 JUNE							
1.	1P	07	00	46.0	NEZ, Z'		
	1S		00	57.0	N'E'		
2.	1P	08	40	20.5	Z		
	1S		40	30.8	NE		
3.	1(P)	09	14	05.0	Z		
4.	1(P)	13	14	09.0	Z		
5.	1P	18	06	43.0	Z		
	1S		06	59.0	N		
6.	e(P)	19	29	00.0	Z'		
	D - 128.2°						
	H - 19 07 51.4						
	Lat. - - 26.6°S, Long. - 114.4°W						
	h - 33 kms., Mag. - 5.8 (CGS)						
	(USCGS)						
7 JUNE							
1.	1P	05	21	13.0	NEZ		
	1S		21	35.0	E		
2.	1P	08	27	47.0	Z		
3.	1P	14	27	52.8	NE		
	1S		27	56.7	N		

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

7 JUNE

4. 1P 20 38 17.0 Z 1.1 0.14
 D - 38.5°
 H - 20 30 55.5
 Lat. - 45.3°N, Long. - 150.9°E
 h - 33 kms., Mag. - 5.0 (CGS)
 (USGS)

5. 1P 23 46 36.5 Z
 1S 46 52.0 NE

8 JUNE

1. 1P 04 32 40.5 Z

2. 1P 05 56 41.7 Z

3. 1P 12 04 50.0 Z
 1S 04 56.0 N

4. eP 18 03 46.0 Z 1.2 0.11
 D - 40.2°
 H - 17 56 18.5
 Lat. - 6.1°S, Long. - 153.6°E
 h - 59 kms., Mag. - 4.5 (CGS)
 (USGS)

5. eP 22 58 27.0 Z'
 eS 23 02 41.5 E'
 D - 24.7°
 H - 22 53 21.7
 Lat. - 17.7°N, Long. - 145.7°E
 h - 163 kms., Mag. - 5.4 (CGS)
 (USGS)

9 JUNE

1. 1P 05 11 03.5 Z
 1S 12 17.0 NE

2. 1P 10 01 20.8 Z
 1S 01 33.3 NE

3. 1P 21 18 35.8 Z
 1S 18 49.2 E

10 JUNE

1. 1P 00 08 44.5 Z

2. 1P 05 56 07.0 Z

3. 1P 06 05 09.8 Z

4. 1P 08 01 03.0 Z

5. e(P) 07 37 32.7 Z

6. 1P 18 01 45.2 Z

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 Date : Phase : Time (GMT) : Comp. : T_S(sec) : A_S(micron)

10 JUNE

- 7. 1(P) 18 32 28.8 Z
 D - 26°
 H - 18 26 54.5
 Lat. - 9.4°S, Long. - 117.6°E
 h - 33 kms., Mag. - 5.0 (CGS)
 (USCGS)

- 8. eP 19 23 40.0 Z
 D - 60.2°
 H - 19 13 52.0
 Lat. - 18.0°S, Long. - 167.9°E
 h - 47 kms., Mag. - 5.3 (CGS)
 (USCGS)

- 9. 1P 19 54 09.8 Z
 D - 27.3°
 H - 19 48 30.5
 Lat. - 6.1°S, Long. - 104.9°E
 h - 84 kms., Mag. - 5.4 (CGS)
 (USCGS)

- 10. e1P 22 19 44.7 Z
 D - 13.3°
 H - 22 16 44.8
 Lat. - 5.0°N, Long. - 127.4°E
 h - 146 kms., Mag. - 5.5 (CGS)
 (USCGS)

11 JUNE

- 1. 1P 01 28 42.0 Z
 1S 29 11.5 E

- 2. 1(P) 06 28 38.7 Z
 1S 28 49.0 N

- 3. eP 10 31 55.5 Z'
 eS 36 40.0 N'E'
 D - 27.8°
 H - 10 26 16.8
 Lat. - 2.2°S, Long. - 141.2°E
 h - 67 kms., Mag. -
 (USCGS)

- 4. e(P) 13 25 33.0 Z'
 eS 30 10.0 N'E'
 D - 27.5°
 H - 13 19 44.0
 Lat. - 1.9°S, Long. - 141.0°E
 h - 40 kms., Mag. - 5.3 (CGS)
 (USCGS)

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Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)
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11 JUNE

- 5. eP 17 07 33.0 Z
eS 12 12.0 E'
D - 27.4°
H - 17 01 48.5
Lat. - 2.0°S, Long. - 140.8°E
h - 18 kms., Mag. -
(USCGS)
- 6. 1(P) 19 03 12.0 Z
- 7. 1(P) 19 47 56.0 Z
D - 27.8°
H - 19 42 12.8
Lat. - 2.1°S, Long. - 141.2°E
h - 33 kms., Mag. -
(USCGS)
- 8. e(PP) 21 49 39.0 Z'
D - 134.5°
H - 21 28 08.2
Lat. - 55.9°S, Long. - 27.7°W
h - 135 kms., Mag. - 6.1 (CGS)
(USCGS)
- 9. e(P) 22 00 17.0 Z

12 JUNE

- 1. 1P 10 55 54.0 Z' 1.0 0.12
eS 11 00 31.0 E'
D - 27.8°
H - 10 50 09.1
Lat. - 2.1°S, Long. - 141.1°E
h - 33 kms., Mag. - 5.5 (CGS)
(USCGS)
- 2. 1P 12 59 12.5 Z
1S 59 16.8 E
- 3. 1P 15 57 56.2 Z
D - 6.6°
H - 15 56 21.3
Lat. - 11.4°N, Long. - 124.9°E
h - 183 kms., Mag. - 5.5 (CGS)
(USCGS)
- 4. 1P 17 24 03.2 Z
- 5. 1P 17 44 30.0 NEZ

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

12 JUNE

6.	eIP	18 22	33.0	Z		
	D - 71.2°					
	H - 18 12 20.5					
	Lat. - 26.5°N, Long. - 178.3°E					
	h - 648 kms., Mag. - 5.3 (CGS)					
	(USCGS)					
7.	1P	19 00	49.0	Z		
8.	1P	19 23	10.0	Z		
9.	1P	21 46	18.5	Z		
10.	1P	22 55	22.0	Z		
	eS	23 01	32.0	N'E'		
	D - 41.2°					
	H - 22 47 47.2					
	Lat. - 6.6°S, Long. - 154.7°E					
	h - 80 kms., Mag. - 5.1 (CGS)					
	(USCGS)					

13 JUNE

1.	1(P)	02 50	04.0	Z		
	1S	02 50	21.0	N		
2.	e(P)	04 30	25.0	Z'		
	D - 54.5°					
	H - 04 20 53.5					
	Lat. - 33.6°N, Long. - 172.1°E					
	h - 33 kms., Mag. - 5.1 (CGS)					
	(USCGS)					
3.	eP	05 10	05.5	Z		
	eS	05 14	46.0	N'E'		
	D - 27.5°					
	H - 05 04 23.5					
	Lat. - 1.9°S, Long. - 141.2°E					
	h - 33 kms., Mag. - 5.9 (CGS)					
	(USCGS)					
4.	eP	08 03	53.5	Z, Z'		
	eS	08 08	32.0	E'		
5.	1P	10 47	41.3	Z		
	1S	10 47	53.5	E		
6.	1P	14 08	27.0	N'EZ	1.3	1.06
	1S	14 13	53.0	N'E, N'E'		
	D - 39.0°					
	H - 14 01 40.2					
	Lat. - 3.9°S, Long. - 154.3°E					
	(USCGS) H - 474 kms., Mag. - 5.5 (CGS)					
7.	1P	17 41	25.5	Z		

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 Date : Phase : Time (GMT) : Comp. : T_h(sec) : A_h(micron)

13 JUNE

8. 1P 19 23 28.5 Z
 1S 23 28.0 NE
 9. e(P) 22 43 13.0 Z
 D - 73.8°
 H - 22 31 53.5
 Lat. - 27.6°S, Long. - 178.3°W
 h - 94 kms., Mag. - 5.2 (CGS)
 (USCGS)

14 JUNE

1. 1P 01 04 46.8 Z
 2. 1P 03 35 05.0 Z
 3. 1P 10 57 27.0 Z
 1S 57 54.2 N
 4. eP 12 27 11.0 Z, Z'
 eS 36 43.0 N, E'
 D - 73.7°
 H - 12 15 31.3
 Lat. - 38.0°N, Long. - 38.5°E
 h - 8 kms., Mag. -
 (USCGS)

5. 1P 18 57 36.2 Z
 6. 1P 19 33 16.2 Z

15 JUNE

1. 1P 09 51 52.5 Z
 2. 1P 10 59 03.7 Z
 3. 1P 14 28 53.7 Z
 1S 29 24.5 N
 4. 1P 14 45 08.5 Z
 1S 45 20.0 E
 5. 1P 17 13 04.5 Z
 1S 13 12.3 NE
 6. 1P 21 39 57.8 Z

16 JUNE

1. 1P 04 01 01.0 Z
 1(S) 01 34.0 N
 2. 1P 04 07 24.0 Z, Z' 1.3 0.83
 D - 27.2°
 H - 04 01 44.3
 Lat. - 38.3°N, Long. - 139.1°E
 h - 57 kms., Mag. - 6.1 (CGS), 7½ - 7½ (PAS), 7½ (PAL)
 (USCGS)

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 Date : Phase : Time (GMT) : Comp. : T_H (sec) : A_H (micron)

16 JUNE

3.	e1P	06 58 53.0	Z	1.2	0.46
	D - 27.5°				
	H - 06 53 05.0				
	Lat. - 36.7°N, Long. - 139.0°E				
	h - 15 kms., Mag. - 5.6 (CGS)				
	(USCGS)				
4.	e1P	07 20 42.0	Z	1.3	0.39
	D - 27.5°				
	H - 07 14 57.1				
	Lat. - 38.5°N, Long. - 139.2°E				
	h - 16 kms., Mag. - 5.9 (CGS)				
	(USCGS)				
5.	eP	11 21 51.0	Z'		
	eS	26 33.0	N'E'		
	D - 27.7°				
	H - 11 16 09.1				
	Lat. - 2.0°S, Long. - 141.1°E				
	h - 13 kms., Mag. - 5.9 (CGS)				
	(USCGS)				
6.	1P	11 36 08.0	NEZ	0.5	0.13
	1S	36 22.0	NEZ		
7.	1P	13 24 27.0	Z		
	1S	24 37.5	NE		
8.	1P	17 14 00.3	Z		
	D - 26.0°				
	H - 17 08 30.8				
	Lat. - 15.6°N, Long. - 147.2°E				
	h - 33 kms., Mag. - 4.8 (CGS)				
	(USCGS)				
9.	e1P	17 30 57.0	Z	1.3	0.23
	D - 40.0°				
	H - 17 23 30.4°				
	Lat. - 5.8°S, Long. - 154.0°E				
	h - 60 kms., Mag. - 5.7 (CGS)				
	(USCGS)				
10.	1P	18 46 52.8	Z		
	1(S)	47 19.0	E		
11.	1P	23 21 34.0	Z		
	1S	21 46.0	NE		

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

17 JUNE

1.	1P	02	24	08.0	Z
2.	oP	03	02	24.2	Z
3.	1P	06	27	14.0	Z
4.	1P	06	44	38.5	Z
5.	1P	06	57	13.5	Z
6.	1P 1S	13	09	31.5 35.7	MSZ N
7.	1P	13	25	13.0	Z
8.	1P	15	16	29.5	Z

D - 27.2°
 H - 15 10 44.3
 Lat. - 38.7°N, Long. - 139.0°E
 h - 27 kms., Mag. - 5.0 (CGS)
 (USCGS)

9.	1P	21	16	37.7	Z
10.	1P	22	28	02.0	Z

18 JUNE

1.	1P	01	13	56.6	Z
2.	1P	05	24	47.8	Z
3.	1(P)	08	17	17.0	Z
4.	1P 1S	18	30	05.8 23.5	Z Z
5.	1P	23	05	48.8	Z

19 JUNE

1.	1P	04	19	07.0	Z
2.	1P	06	58	34.2	Z
3.	1P	10	11	25.2	Z

D - 28°
 H - 10 05 36.4
 Lat. - 38.8°N, Long. - 139.3°E
 h - 30 kms., Mag. - 5.6 (CGS)
 (USCGS)

4.	oP	10	36	02.0	Z, Z'
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D - 6.9°
 H - 10 34 33.6
 Lat. - 22.6°N, Long. - 121.0°E
 h - 33 kms., Mag. - 5.2 (CGS)
 (USCGS)

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

19 JUNE

5.	1P	15 40	06.0	Z		
6.	1P	16 39	19.5	Z		
7.	1P	17 13	50.0	Z		
	1S	17 13	56.4	NE		
8.	1P	17 35	51.7	Z		
9.	1P	18 20	40.2	Z		
10.	1P	19 29	44.5	Z		
11.	1P	21 13	12.0	Z		

20 JUNE

1.	1S	01 44	25.0	NE		
2.	1P	02 54	58.0	Z		
3.	1P	11 40	11.0	Z	1.2	0.07
4.	1S	13 49	43.5	NE		
5.	1(P)	15 14	35.0	Z		
	1S	15 15	03.0	NE		
6.	1P	17 05	17.0	Z		

21 JUNE

1.	1P	01 41	25.0	Z	0.8	0.20
	D - 45.3°					
	H - 01 33 11.2					
	Lat. - 51.0°N, Long. - 157.0°E					
	h - 51 kms., Mag. - 5.7 (CGS)					
	(USCGS)					
2.	1P	16 04	01.5	NEZ		
	1S	16 04	15.5	NE		
3.	1P	17 18	36.0	NEZ		
	1S	17 18	50.5	Z		
4.	1P	18 05	44.5	NEZ		
	1S	18 05	59.5	NE		
5.	1P	18 11	54.0	Z		
	1S	18 12	08.5	N'E'Z'		

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 Date : Phase : Time (GMT) : Comp. : T_m(sec) : A_m(micron)

21 JUNE

6.	eP	19 19	13.0	Z, Z'
	D - 23.2°			
	H - 19 14 10.3			
	Lat. - 12.2°N, Long. - 143.8°E			
	h - 33 kms., Mag. - 4.7 (CGS)			
	(USCGS)			
7.	1P	20 51	22.3	NE, N'E, Z'
	1S	51	27.0	N'
8.	1(P)	21 21	38.5	N
	1S	22	19.5	NE
9.	1P	22 32	04.5	Z

22 JUNE

1.	eP	00 27	58.0	Z, Z'
	eS	37	37.0	E'
	D - 73.3°			
	H - 00 16 27.4			
	Lat. - 15.7°S, Long. - 172.0°W			
	h - 33 kms., Mag. - 5.1 (CGS)			
	(USCGS)			
2.	1P	03 01	49.0	Z
3.	1P	03 12	13.0	Z
	eS	19	32.0	N'
	D - 48.5°			
	H - 03 03 37.9			
	Lat. - 10.4°S, Long. - 161.1°E			
	h - 70 kms., Mag. - 5.4 (CGS)			
	(USCGS)			
4.	1P	03 40	20.5	Z
	1S	40	35.0	N
5.	1P	03 53	21.0	NEZ
	1S	53	35.0	E
6.	1P	05 09	05.3	NZ
	1S	09	20.0	NEZ
7.	1P	05 55	42.0	NE
	1S	55	56.0	NEZ
8.	1P	06 21	21.0	Z
	1S	21	35.0	NE
9.	1P	08 16	57.5	NEZ

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

22 JUNE

10.	1P	11 43	05.2	NEZ
	1S	43	15.3	NE
11.	1P	20 14	29.8	Z
12.	1P	21 24	18.0	NEZ,N'E'Z'

D - 319 kms.
 H - 21 23 33.6
 Lat. - 13.6°N, Long. - 120.5°E
 h - 56 kms., Mag. - 6.5 (GGG)
 (USCGS)

23 JUNE

1.	1S	04 45	24.0	NE
2.	1P	06 54	14.0	NEZ
	1S	55	05.3	N
3.	1P	09 30	01.5	NEZ
	1S	30	05.5	NE
4.	1P	13 16	23.0	NEZ
	1S	16	39.0	N
5.	1P	13 26	04.7	NEZ
	1S	26	19.5	E
6.	1P	13 48	39.9	EZ
	1S	48	54.8	E
7.	1P	13 52	46.0	NEZ,E'Z'
8.	1(P)	14 09	04.5	NE
	1S	09	22.3	NE
9.	1P	14 11	05.5	Z
	1S	11	18.8	NE
10.	1P	14 58	09.5	Z
	1S	58	24.5	E
11.	1P	16 26	23.3	NEZ
	1S	26	37.8	NE
12.	1P	16 36	35.0	NZ
	1S	36	53.0	NE
13.	1S	18 02	53.5	E

Baguio, June, 1964

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

23 JUNE

14. 1(P) 19 13 41.0 Z 0.8 0.11
 D - 14.9°
 H - 19 10, 11.4
 Lat. - 3.0°N, Long. - 126.6°E
 h - 33 km., Mag. - 5.3 (CGB)
 (USCGS)

15. 1P 21 44 22.0 Z
 1S 44 27.0 NEZ

16. 1(P) 22 04 36.0 Z
 1S 04 50.5 N

17. 1P 22 37 30.0 NEZ

18. 1P 22 50 39.9 Z
 1S 50 54.0 NE

24 JUNE

1. 1P 03 00 54.5 Z

2. 1P 03 57 49.0 Z

3. 1P 08 27 41.0 Z

4. 1P 08 29 12.0 Z

5. 1P 09 59 15.4 Z
 1S 59 18.2 NE

6. 1P 10 42 04.0 Z

7. 1P 11 59 49.0 Z

8. 1P 13 00 31.0 Z

9. 1P 15 07 37.8 Z

10. 1P 18 19 19.7 Z
 1S 19 31.8 NE

11. 1P 20 06 17.8 Z

25 JUNE

1. 1P 05 11 24.5 Z

2. 1P 09 21 20.0 Z

3. 1P 09 50 54.6 Z

4. 1(P) 12 59 30.0 Z

Baguio, June, 1964

Date	Phase	Time (GMT)		Comp.	T _p (sec)	A _p (micron)
25 JUNE						
5.	1P	22	04	10.0	Z	
6.	1P	22	24	27.5	Z	
7.	1P	23	19	23.5	Z	
26 JUNE						
1.	1P	03	42	21.2	Z	
	1S		42	40.7	E	
2.	1P	10	55	52.8	Z	
	1S		56	23.0	NE	
3.	1P	12	31	00.5	Z	
4.	1P	13	41	13.5	Z	
	D - 46.0° H - 13 32 52.3 Lat. - 9.2°S, Long. - 158.9°E h - 17 kms., Mag. - 5.6 (CGS) (USCGS)					
5.	1P	16	09	23.0	Z	
6.	1P	18	30	50.0	Z	
	1S		30	57.3	E	
7.	1P	22	37	01.0	Z	
	1S		37	16.5	NE	
27 JUNE						
1.	1P	02	37	07.0	Z	
	D - 44.8° H - 02 28 57.1 Lat. - 40.4°N, Long. - 77.5°E h - 33 kms., Mag. - 5.0 (CGS) (USCGS)					
2.	1S	02	46	51.8	NE	
3.	1S	09	31	14.0	NE	
4.	1P	12	53	16.0	Z	
	1S		53	31.5	NE	
5.	1P	17	51	06.0	Z	0.6 0.06
6.	1P	18	23	29.0	Z	
	1S		23	52.5	E	

Baguio, June, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T_h(sec) : A_h(micron)

27 JUNE

7. 1(P) 19 42 18.0 Z
 8. 1P 23 52 53.0 Z
 1S 53 20.8 E

28 JUNE

1. 1P 00 48 02.8 Z
 1S 48 09.5 NE
 2. 1S 03 58 02.5 E
 3. 1P 07 29 26.0 Z
 4. 1P 08 15 08.0 NEZ
 1S 15 28.8 N
 5. 1S 11 34 35.0 NE
 6. 1P 12 58 19.8 Z, Z'
 1S 13 03 45.0 E'

1.7 1.14

D - 34.0°
 H - 12 51 34.6
 Lat. - 1.7°S, Long. - 149.6°E
 h - 7 kms., Mag. - 6.4 (CGS), 5 3/4 - 6 (MRK)
 (USCGS)

7. 1P 15 01 16.0 Z
 D - 55.3°
 H - 14 52 08.4
 Lat. - 13.2°S, Long. - 167.1°E
 h - 215 kms., Mag. - 5.4 (CGS)
 (USCGS)

1.0 0.26

8. 1P 15 59 59.5 Z
 1S 16 00 26.0 NE, N'E'

9. (PKP) 17 47 41.0 Z
 D - 148.0°
 H - 17 27 59.8
 Lat. - 4.0°N, Long. - 32.4°W
 h - 33 kms., Mag. - 5.3 (CGS), 5 1/2 - 5 1/2 (PAL)
 (USCGS)

29 JUNE

1. 1P 14 04 52.0 N
 1S 04 56.5 E
 2. 1P 19 13 51.0 E
 1S 13 57.0 N
 3. 1P 21 47 44.5 N
 1S 48 06.8 E

Bagnio, June, 1964

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

30 JUNE

1.	1P	08 57 08.0	Z		
2.	1P	09 38 09.3	Z		
3.	1P 1S	13 50 19.0 53 36.0	H'Z' H'		
	D - 17.1° H - 13 46 21.6 Lat. - 0.8°S, Long. - 122.5°E h - 36 kms., Mag. - 6.3 (CGS) (USCGS)				
4.	1P	15 54 56.0	Z		
5.	1P	19 51 22.0	Z		
	D - 16.8° H - 19 47 22.5 Lat. - 0.6°S, Long. - 122.9°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)				
6.	1P	20 14 55.5	Z	1.0	0.18
7.	1(P)	22 02 05.0	Z		
8.	1(P) e(S)	23 18 34.3 21 47.0	Z H'		
	D - 16.8° H - 23 14 33 Lat. - 0.3°S, Long. - 122.6°E h - 56 kms., Mag. - 5.3 (CGS) (USCGS)				

Baguio, July, 1964

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
1 JUL.					
1.	iP	09 53 55.8	Z	0.7	0.05
2.	iP	09 59 45.8	Z	0.8	0.06
	D - 37.8° H - 09 52 31.8 Lat. - 44.6°N, Long. - 149.9°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)				
3.	i(P)	10 34 05.0	Z		
4.	iP	12 26 41.0	NZ	0.5	0.47
	iS	27 09.5	NE		
5.	iP	13 37 03.0	Z	0.9	0.23
	D - 16.0° H - 13 33 10 Lat. - 1.8°N, Long. - 127.1°E h - 33 kms., Mag. - 4.5 (CGS) (USCGS)				
6.	iP	21 35 03.0	Z		
	i(S)	35 30.0	E		
7.	iP	22 51 11.5	Z		
	D - 23.0° H - 22 46 18.7 Lat. - 31.1°N, Long. - 139.6°E h - 147 kms., Mag. - 5.1 (CGS) (USCGS)				
2 JUL.					
1.	iP	09 19 11.2	Z		
	iS	19 28.8	N		
2.	iP	09 43 01.2	Z		
	iS	43 21.7	E		
3.	iP	12 15 02.5	Z,Z'	1.3	0.65
	D - 16.0° H - 12 11 23 Lat. - 1.0°N, Long. - 124.3°E h - 160 kms., Mag. - (USCGS)				

Baguio, July, 1964

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

3 JUL.

1.	1P 1(S)	08 15	15.5	Z
		15	51.0	N
2.	e(P)	13 16	22.0	Z
3.	1(P)	13 58	20.0	Z
4.	1P 1S	14 16	44.5	Z
		17	01.5	N
5.	1(P)	18 44	05.0	Z
6.	1(S)	20 58	39.5	E
7.	1P	22 14	07.0	Z

4 JUL.

1.	1P 1S	04 39	09.3	Z
		39	25.5	N
2.	1P	05 43	30.5	Z
3.	1P 1S	07 42	07.7	Z
		42	12.5	NE
4.	1P 1S	10 34	10.5	Z
		34	28.0	N
5.	1P eS	10 54	40.7	Z
		58	57.0	E

D - 23.8°
 H - 10 49 28.8
 Lat. - 11.7°N, Long. - 144.5°E
 h - 33 kms., Mag. - 6.0 (CBS)
 (USCGS)

6.	1P	16 09	41.0	Z
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5 JUL.

1.	1(P)	03 26	27.0	Z
2.	1(P)	03 47	15.0	Z
3.	1P 1S	04 03	51.7	NE
		04	16.5	E
4.	1P 1S	04 41	42.5	Z
		41	59.0	N

Bagnio, July, 1964

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

5 JUL.

5.	1P 1S	06 40 18.0 40 37.8	NZ NE	0.6	0.09
6.	1(P)	06 46 05.0	Z		
7.	1P	09 11 21.0	Z		
8.	1P 1S	15 43 03.3 43 18.0	NKZ EZ		
9.	1(P) D - 21.9° H - 17 57 30.9 Lat. - 11.9°N, Long. - 142.4°E h - 20 kms., Mag. - 5.0 (CGS) (USCGS)	18 02 27.0	Z		
10.	1(P)	18 20 39.0	Z		
11.	1(P) 1S	19 21 51.0 22 01.5	Z NE		
12.	1(PP) D - 115.0° H - 19 07 58.2 Lat. - 26.2°N, Long. - 110.2°W h - 33 kms., Mag. - 6.0 (CGS), 5 3/4 - 6 (HRK), 6 - 6 1/2 (PAL) (USCGS)	19 27 41.0	Z*		
13.	1P	20 58 18.0	Z	0.8	0.04
14.	1P 1S	22 11 15.0 11 25.5	Z N		
15.	1P 1S D - 37.3° H - 23 36 01.5 Lat. - 44.8°N, Long. - 149.6°E h - 54 kms., Mag. - 5.5 (CGS), 6 1/2 (PAS), 5 3/4 (HRK), 6 - 6 1/2 (PAL) (USCGS)	23 43 08.0 46 53.0	Z N'E*	1.0	0.86
16.	1P D - 37.3° H - 23 39 10.3 Lat. - 44.7°N, Long. - 149.6°E h - 48 kms., Mag. - 5.6 (CGS) (USCGS)	23 46 17.5	Z	0.8	0.34

Manila, July, 1964

Date	Phase	Time (GMT)	Comp.	T_g (sec)	A_g (micron)
6 JUL.					
1.	1P 1S	06 57 38.0 57 48.3	Z NE		
2.	PKP D - 127.0° H - 07 22 10.3 Lat. - 18.2°N, Long. - 100.4°W h - 82 kms., Mag. - 6.5 (CGS), 6 3/4 - 7 (PAS), 6 3/4 - 7 (BRK) (USCGS) 7 1/2 - 7 1/2 (PAL)	07 41 05.5	Z, Z'		
3.	1S	07 56 27.8	E		
4.	1P 1(S)	08 34 54.2 35 25.0	Z E		
5.	1P D - 81.0° H - 10 06 02.3 Lat. - 6.9°S, Long. - 154.7°E h - 49 kms., Mag. - 6.4 (CGS) (USCGS)	10 13 39.5	Z, Z'		
6.	1P D - 48.3° H - 10 13 45.2 Lat. - 37.1°N, Long. - 71.4°E h - 100 kms., Mag. - 5.9 (CGS) (USCGS)	10 22 15.8	Z	1.1	0.18
7.	1S	12 16 32.0	NE		
8.	1P eS D - 25.0° H - 14 19 46.3 Lat. - 6.9°S, Long. - 129.6°E h - 100 kms., Mag. - 5.8 (CGS) (USCGS)	14 25 02.0 29 12.0	Z, Z' NE'	1.5	0.70
9.	1(P)	15 47 50.0	Z		
10.	1(S)	16 14 05.5	E		
11.	1P 1S	16 15 17.8 15 52.0	Z NE	0.9	0.21
12.	1P 1S	20 08 35.5 09 05.8	Z NE		
13.	1P 1S	22 36 35.0 36 47.0	Z N		

Bahia, July, 1964

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

7 JUL.

1.	1(P)	06 50	33.0	Z		
2.	1P	07 32	16.0	Z		
3.	1P	07 49	31.0	Z		
4.	1(P)	09 08	04.0	Z		
	1S	08	11.5	NEZ		
5.	1P	14 40	40.5	Z		
6.	h1P	16 37	38.7	Z		
	1P	37	40.5	Z		
	D - 50.5°					
	H - 16 28 42.9					
	Lat. - 11.2°S, Long. - 163.2°E					
	h - 13 kms., Mag. - 5.1 (CGS)					
	(USCGS)					

8 JUL.

1.	1P	07 08	01.5	Z		
	1(S)	08	41.0	H'		
	D - 2.8°					
	H - 07 07 16.0					
	Lat. - 19.2°N, Long. - 121.1°E					
	h - 37 kms., Mag. - 4.6 (CGS)					
	(USCGS)					
2.	oP	07 49	22.0	Z, Z'		
	oS	52	24.0	E'		
	D - 15.2°					
	H - 07 45 48.6					
	Lat. - 3.2°N, Long. - 128.4°E					
	h - 50 kms., Mag. - 5.5 (CGS)					
	(USCGS)					
3.	1S	08 40	40.5	H		
4.	1(P)	10 42	30.0	Z		
5.	1P	11 56	58.0	Z	1.5	1.05
	D - 41.2°					
	H - 11 49 23.7					
	Lat. - 6.4°S, Long. - 154.8°E					
	h - 73 kms., Mag. - 5.1 (CGS)					
	(USCGS)					
6.	1P	12 00	36.8	Z, Z'		
	D - 23.7°					
	H - 11 55 39					
	Lat. - 5.5°S, Long. - 129.8°E					
	h - 165 kms., Mag. - 6.5 (CGS)					
	(USCGS)					

Baguio, July, 1964

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
8 JUL.					
7.	IS	17 35 05.0	N		
8.	1P	18 58 13.5	Z		
9.	1(P) IS	21 42 41.0 42 57.8	Z NE		
9 JUL.					
1.	1P	03 48 33.0	Z		
2.	1P D - 119 kms H - 05 47 09.2 Lat. - 15.4°N, Long. - 119.8°E h - 53 kms., Mag. - 5.5 (CGS) (USCGS)	05 47 32.0	NEZ, N'E'Z'		
3.	1P	10 00 47.5	Z		
4.	1P eS D - 74.2° H - 11 22 05.4 Lat. - 23.3°S, Long. - 175.7°W h - 43, Mag. - 5.7 (CGS), 6 ₂ (PAS), 5 ₂ -5 3/4 (BRK) (USCGS)	11 33 38.0 43 08.0	Z, Z' E'		
5.	e1P D - 25.3° H - 12 02 11.9 Lat. - 34.2°N, Long. - 140.9°E h - 49 kms., Mag. - 5.0 (CGS) (USCGS)	12 07 32.5	Z		
6.	1P IS	14 12 07.0 12 34.3	Z N		
7.	1P IS	14 47 11.5 47 16.3	Z E		
8.	1P	15 34 09.0	Z		
9.	1P IS	16 28 58.8 29 10.2	NEZ E		
10.	e1P IS D - 57° H - 16 39 49.3 Lat. - 15.5°S, Long. - 167.6°E h - 121 kms., Mag. - 6.6 (CGS), 7 ₂ (PAS), 7 ₂ -8 (BRK) (USCGS)	16 49 17.5 57 00.0	Z E, E'		

Baguio, July, 1964

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

9 JUL.

11.	e(P)	17 19	14.5	Z		
12.	1P	18 31	23.5	Z		
13.	1P	18 53	17.5	Z		
	D - 43.1°					
	H - 18 45 32.9					
	Lat. - 49.4°N, Long. - 153.5°E					
	h - 140 kms., Mag. - 5.3 (CGS)					
	(USCGS)					
14.	1P	21 49	30.0	Z		
	sS	54	16.0	E		
	D - 27.8°					
	H - 21 43 46.3					
	Lat. - 1.8°S, Long. - 141.6°E					
	h - 33 kms., Mag. -					
	(USCGS)					
15.	1P	22 03	57.5	Z		
	D - 37.2°					
	H - 21 56 48.4					
	Lat. - 44.2°N, Long. - 149.5°E					
	h - 33 kms., Mag. - 4.5 (CGS)					
	(USCGS)					

10 JUL.

1.	1(P)	02 39	11.0	Z		
	1(S)	40	03.0	H		
2.	1(P)	05 27	56.0	Z		
	1(S)	28	15.0	E		
3.	1P	06 24	50.5	Z		
4.	1P	06 39	54.5	Z		
	1(S)	40	30.0	E		
5.	1P	09 11	16.0	NKZ	0.5	0.17
	1S	11	20.5	NE		
6.	1P	10 48	11.3	Z		
	1S	48	18.0	NE		
7.	1P	11 09	03.8	Z		
	1S	09	10.8	NE		
8.	1P	20 24	14.3	NK		
	1S	24	19.0	NKZ		
9.	1P	22 32	21.0	Z		
	1S	32	35.0	NE		

Magpie, July, 1964

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

1. 1P 06 29 39.0 NEZ
1S 29 51.0 NEZ

2. 1P 08 30 41.2 Z
1S 31 46.0 H'

D - 6.2°
H - 08 29 12.9
Lat. - 22.4°N, Long. - 121.4°E
h - 118 kms., Mag. - 4.9 (CGS)
(USCGS)

3. 1P 11 21 11.0 Z
1S 21 16.0 NE

4. 1P 15 23 13.5 Z

5. 1P 15 38 39.7 Z
eS 40 53.0 H'

D - 12.1°
H - 15 35 53.1
Lat. - 5.8°N, Long. - 126.4°E
h - 152 kms., Mag. - 5.0 (CGS)
(USCGS)

6. eP 18 57 52.0 Z'
eS 19 01 42.0 H'

D - 21°
H - 18 53 15.8
Lat. - 12.2°N, Long. - 141.6°E
h - 61 kms., Mag. - 4.7 (CGS)
(USCGS)

7. 1P 20 19 18.3 Z

8. eP 20 37 22.0 Z, Z'
e(S) 47 28.5 H'

D - 77.8°
H - 20 25 40.3
Lat. - 59.7°N, Long. - 146.2°W
h - 40 kms., Mag. - 5.6 (CGS), 5 - 5½ (NRK), 5½ - 5¾ (PAL)
(USCGS)

12 JUL.

1. 1P 01 51 13.0 Z, Z'
eS 55 50.0 H'

D - 27.4°
H - 01 45 25.6
Lat. - 38.6°N, Long. - 139.2°E
h - 13 kms., Mag. - 6.0 (CGS), 5¾ - 6 (NRK), 5½ - 5¾ (PAL)
(USCGS)

Bahio, July, 1964

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

12 JUL.

2.	1P	04	36	53.0	Z
	1S		39	07.0	NE
3.	1(P)	09	27	03.0	Z
4.	1(P)	09	43	48.0	Z
5.	1P	12	44	44.5	Z
	1(S)		45	19.5	E
6.	1P	17	54	15.0	Z
	1(S)		54	35.0	N
7.	1P	17	56	31.8	NEZ
	1S		56	41.9	NE
8.	1S	19	17	20.5	NE
9.	1P	20	21	11.0	Z

D - 24.9°
 H - 20 15 59.0
 Lat. - 24.9°N, Long. - 95.3°E
 h - 155 kms., Mag. - 6.7 (GGS)
 (USGS)

13 JUL.

1.	1P	06	37	39.0	Z
2.	1P	10	17	48.7	Z
	D - 58.7°				
	H - 10 08 07.2				
	Lat. - 15.9°S, Long. - 167.9°E				
	h - 33 kms., Mag. - 5.4 (GGS)				
	(USGS)				
3.	1P	11	04	06.0	Z, Z'
	eS		09	16.0	N'
	D - 25.2°				
	H - 10 58 47.7				
	Lat. - 23.7°N, Long. - 94.7°E				
	(USGS) h - 117 kms., Mag. - 6.5 (GGS)				
4.	1P	12	04	09.8	Z
	1S		04	27.0	E
5.	1P	12	48	19.0	Z
6.	1P	12	54	29.0	Z

Magpie, July, 1964

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

13 JUL.

7.	1P	16	54	59.0	Z		
	e(S)	17	02	13.0	N'		
	D - 25.3°						
	H - 16 49 38.8						
	Lat. - 8.3°S, Long. - 113.7°E						
	h - 153 kms., Mag. -						
	(USCGS)						
8.	1P	17	14	22.2	Z		
	D - 10.4°						
	H - 17 12 01.3						
	Lat. - 8.0°N, Long. - 126.8°E						
	h - 104 kms., Mag. - 4.0 (CGS)						
	(USCGS)						
9.	1P	17	50	03.0	Z		
	1S		50	15.5	N		
10.	1P	18	17	02.2	Z		
11.	1P	19	15	32.1	Z		
	1S		15	42.5	N		
12.	PKP	21	22	10.5	Z		
	D - 147.7°						
	H - 21 02 33.3						
	Lat. - 7.7°N, Long. - 34.7°W						
	h - 33 kms., Mag. - 5.2 (CGS)						
	(USCGS)						

14 JUL.

1.	1(P)	02	30	17.5	Z		
	1S		30	35.8	NE		
2.	1P	06	43	33.5	Z		
	1S		44	09.7	N		
3.	1(P)	06	46	49.0	NEZ		
4.	1P	14	07	04.0	Z		
5.	1P	14	09	33.5	Z		
	1S		09	57.5	E		
6.	1P	17	26	41.0	Z	0.8	0.08
	D - 38.0°						
	H - 17 19 23.3						
	Lat. - 45.3°N, Long. - 150.2°E						
	h - 33 kms., Mag. - 4.8 (CGS)						
	(USCGS)						
7.	1S	19	56	22.0	NE		

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

14 JUL.
 8. eP 23 23 48.0 Z,Z'
 D - 76.0°
 H - 23 12 12.7
 Lat. - 34.3°S, Long. - 179.1°E
 h - 75 kms., Mag. - 5.1 (CGS)
 (USCGS)

15 JUL.
 1. 1P 01 09 11.0 Z
 18 09 23.8 H
 2. 1P 01 11 29.5 Z
 18 11 53.0 H
 3. 1P 07 36 38.0 Z
 4. 1P 08 34 01.0 Z
 5. 1P 13 00 33.0 Z

16 JUL.
 1. 1P 04 24 49.0 Z 1.0 0.14
 2. 1P 05 01 05.2 Z 1.0 0.12
 3. 1P 09 23 58.3 Z
 4. 1P 10 44 25.5 Z 1.0 0.12
 5. 1P 11 36 43.3 Z
 6. 1P 13 20 49.0 Z
 7. 1P 14 39 08.3 Z
 18 39 40.6 H
 8. hfp 15 39 47.0 Z
 1P 39 49.3 Z
 9. 1P 17 08 51.0 Z
 10. 1P 17 10 27.5 Z
 11. 1P 21 54 32.0 Z

17 JUL.
 1. 1P 02 11 06.5 Z
 2. 1P 02 46 46.0 Z,Z'
 eS 56 55.0 H'E'
 D - 86.7°
 H - 02 34 26.9
 Lat. - 38.2°N, Long. - 23.7°E
 h - 150 kms., Mag. - 5.4 (CGS), 5½ - 5¾ (BR)
 (USCGS)

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

17 JUL.

- 3. 1P 04 49 17.0 Z
 D - 45°
 H - 04 41 05.1
 Lat. - 49.3°N, Long. - 158.6°E
 h - 50 kms., Mag. - 5.4 (CGS) & 3/4 (MRK)
 (USCGS)
- 4. 1P 07 31 27.3 Z
- 5. 1P 08 56 06.0 Z
- 6. 1P 21 57 11.2 Z
- 7. 1P 23 01 51.0 Z
 eS 07 37.0 N'
 D - 37.3°
 H - 22 54 42.2
 Lat. - 44.6°N, Long. - 149.2°E
 h - 33 kms., Mag. - 5.4 (CGS)
 (USCGS)

18 JUL.

- 1. 1P 05 02 01.0 NZ
- 2. 1P 12 49 39.0 NZ, Z'
 ePPP 50 16.5 Z'
 eS 52 50.0 E'
 D - 17°
 H - 12 45 47.7
 Lat. - 0.2°N, Long. - 123.5°E
 h - 97 kms., Mag. - 5.8 (CGS)
 (USCGS)
- 3. 1P 15 19 11.2 Z

19 JUL.

- 1. 1P 01 01 32.5 Z
 1S 02 01.1 E
- 2. 1P 03 50 17.2 Z
- 3. hFP 04 30 32.5 Z
 1P 30 34.7 Z
- 4. e1P 06 08 39.0 Z
 D - 47.6°
 H - 05 59 58.9
 Lat. - 49.9°N, Long. - 78.1°E
 h - 0, Mag. - 5.5 (CGS)
 (USCGS)

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

19 JUL.

5. 1P 06 59 31.0 Z
 6. h1P 15 18 41.0 Z
 1P 18 44.0 Z
 1S 18 59.0 B
 7. 1P 15 39 34.0 Z
 8. 1P 17 27 27.5 Z
 9. 1P 18 13 59.0 Z

D - 9.0°
 H - 18 10 48.2
 Lat. - 7.5°N, Long. - 121.8°E
 h - 51 kms., Mag. -
 (USCGS)

10. 1P 20 02 32.0 Z
 1S 02 52.0 BZ
 11. 1P 20 31 04.0 Z

20 JUL.

1. 1S 02 05 37.5 B
 2. 1(P) 02 11 09.8 Z
 3. 1P 04 37 03.0 Z

D - 41.0°
 H - 04 29 28
 Lat. - 6.7°S, Long. - 154.6°E
 h - 78 kms., Mag. - 5.0 (CGS)
 (USCGS)

4. 1P 17 07 56.0 Z
 1S 08 18.0 BZ
 5. 1S 17 40 59.5 B
 6. 1(P) 17 44 12.0 Z
 1S 44 38.0 B
 7. 1(P) 22 28 09.0 Z
 8. e(P) 23 07 39.5 Z

D - 75.8°
 H - 22 56 01
 Lat. - 34.4°S, Long. - 179.2°E
 h - 162 kms., Mag. - 5.0 (CGS)
 (USCGS)

Hague, July, 1964

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

1.	1P	04 00	05.5	Z, Z'		
	eS	09	15.0	N'E'		
	D - 73.2°					
	H - 03 48 59.1					
	Lat. - 26.0°S, Long. - 178.0°W					
	h - 222 kms., Mag. - 5.8 (CGS), 6½ (PAS), 5½ - 5½ (BRK) (USCGS)					
2.	1P	04 17	43.8	Z		
3.	1P	08 06	24.5	Z		
4.	1P	09 45	37.0	Z		
	1S	46	07.3	E		
5.	1P	10 05	57.7	Z		
6.	1P	13 14	14.5	Z		
	D - 5.2°					
	H - 13 13 00.2					
	Lat. - 11.5°N, Long. - 121.9°E					
	h - 34 kms., Mag. - (USCGS)					
7.	1P	19 21	48.0	Z		
8.	1P	21 09	07.5	Z		
	ePP	10	40.0	Z'		
	D - 38.9°					
	H - 21 01 49.5					
	Lat. - 4.6°S, Long. - 153.3°E					
	h - 60 kms., Mag. - 4.9 (CGS) (USCGS)					

22 JUL.

1.	1P	02 58	02.0	Z	0.5	0.05
	1(S)	58	08.5	N		
2.	1P	04 32	36.0	Z		
3.	1P	07 47	36.0	Z	1.0	0.14
	D - 57.0°					
	H - 07 37 52.4					
	Lat. - 16.3°S, Long. - 167.7°E					
	h - 6 kms., Mag. - (USCGS)					

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

22 JUL.

4.	1P D - 13.3° H - 08 51 31 Lat. - 4.1°N, Long. - 125.7°E h - 237 kms., Mag. - 4.4 (CGS) (USCGS)	08	54	26.5	Z		
5.	1(P) 1S	19	03	50.0	Z		
			04	08.8	N		
6.	1P 1S	20	14	22.0	Z		
			14	38.0	N		
7.	1P D - 23.2° H - 20 15 04.6 Lat. - 13.2°N, Long. - 144.3°E h - 146 kms., Mag. - 4.7 (CGS) (USCGS)	20	20	00.3	Z	0.8	0.11
8.	1(P)	20	35	11.0	Z		
9.	1S	23	54	14.0	N		

23 JUL.

1.	1(P) 1S	01	26	57.0	Z		
			27	23.5	E		
2.	1P 1S	02	10	18.0	Z		
			10	36.0	E		
3.	1P 1S	02	46	25.9	NZ	0.5	0.44
			46	45.8	E		
4.	1P	05	22	09.0	Z	1.0	0.08
5.	1(P) 1S	05	31	42.0	Z		
			32	03.8	E		
6.	eiP D - 75.7° H - 19 08 06.6 Lat. - 59.9°N, Long. - 149.2°W h - 55 kms., Mag. - 5.4 (CGS), 4 (BRK) (USCGS)	19	19	48.0	Z		
7.	1P 1S	23	20	35.8	Z		
			20	47.0	NE		

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Date : Phase : Time (GMT) : Comp. : T_h(sec) : A_h(micron)
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24 JUL.

1.	1P 1S	02 40 40	05.0 07.0	Z NE		
2.	1P 1S D - 41.0° H - 06 50 52.8 Lat. - 46.9°N, Long. - 153.9°E h - 33 kms., Mag. - 5.9 (CGS), 6 (PAS), 6 (BRK) (USCGS)	06 58 07 08	34.0 48.0	Z E'	1.5	0.38
3.	1P 1S D - 41.2° H - 08 12 40.0 Lat. - 47.2°N, Long. - 153.8°E h - 33 kms., Mag. - 5.9 (CGS), 6½ (PAS), 6 ¾ (BRK) (USCGS)	08 20 26	22.0 34.5	Z,N'E'Z' E'	1.1	0.28
4.	1(P) 1S	10 13 13	39.0 51.0	Z N		
5.	1P D - 23.9° H - 10 54 52.5 Lat. - 13.1°N, Long. - 145.0°E h - 43 kms., Mag. - 5.6 (CGS) (USCGS)	11 00	04.0	Z	1.0	0.42
6.	1P 1S	11 36 36	39.0 56.5	NEZ NEZ		
7.	1P 0S D - 41.0° H - 13 25 18.3 Lat. - 47.0°N, Long. - 153.7°E h - 33 kms., Mag. - 5.7 (CGS), 5 ¾ - 6 (BRK) (USCGS)	13 33 39	00.0 13.0	Z,Z' E'	1.2	0.17
8.	1P 1S D - 41.2° H - 13 47 48.6 Lat. - 46.6°N, Long. - 154.8°E h - 62 kms., Mag. - 5.6 (CGS) (USCGS)	13 55 14 01	27.5 39.0	Z,Z' N'		
9.	1P 1S D - 40.9° H - 17 02 49.2 Lat. - 47.1°N, Long. - 153.6°E h - 33 kms., Mag. - 5.8 (CGS), 6½ (PAS), 6 (BRK) (USCGS)	17 10 16	30.8 43.0	Z E'	0.8	0.22

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Date	Phase	Time (GMT)			Comp.	T _Z (sec)	A _Z (micron)
24 JUL.							
10.	i(P)	20	21	31.0	Z		
25 JUL.							
1.	e(P)	02	30	23.0	Z		
2.	iP	04	46	06.2	Z		
3.	iP	05	35	05.8	Z		
	iS		35	21.5	NEZ		
4.	iP	07	43	04.5	Z		
	iS		43	30.5	E		
5.	iP	09	03	20.8	Z		
	iS		03	32.5	N		
6.	iP	09	06	56.5	Z		
7.	iP	09	42	45.0	Z		
8.	iP	11	26	22.0	Z		
	iS		26	42.5	N		
9.	eiP	12	31	22.8	Z	1.0	0.14
10.	iP	14	15	55.5	Z		
11.	PKP	19	51	10.0	Z, Z'		
	D - 165° H - 19 31 07.0 Lat. - 27.9°S, Long. - 70.9°W h - 26 kms., Mag. - 6.1 (CGS), 6½ (PAS), 6 (BRK) (USCGS)						
12.	iP	21	33	14.0	Z		
	D - 15.6° H - 21 29 33.2 Lat. - 2.9°N, Long. - 128.2°E h - 22 kms., Mag. - 5.1 (CGS) (USCGS)						
13.	iP	22	01	56.0	Z		
	iS		02	48.2	NEZ		
26 JUL.							
1.	iP	06	04	18.0	Z		
2.	iP	07	03	28.0	Z		
3.	iP	17	45	06.0	Z		
	iS		45	26.0	NE		
4.	eP	20	35	47.3	Z		

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

27 JUL.

1.	1P	05 56	16.9	Z
2.	1P	07 17	16.5	Z
3.	1P	10 25	28.5	Z
4.	1P	11 04	51.0	Z
5.	1P	11 58	11.0	Z
6.	1P	16 07	23.0	NEZ
	1S	07 30.0		EE
7.	eP	23 08	19.0	Z, Z'
	e(S)	14 29.0		E'

D - 41.5°
 H - 23 00 36.3
 Lat. - 46.8°N, Long. - 153.8°E
 h - 33 kms., Mag. - 5.3 (CGS)
 (USGS)

28 JUL.

1.	1P	04 44	28.7	Z
2.	1P	05 40	57.5	Z
3.	1P	06 26	52.5	Z
4.	1P	06 50	46.2	Z
5.	1P	07 26	34.5	Z
6.	eP	10 16	15.0	Z
7.	1P	15 03	41.8	Z
8.	1P	17 03	19.5	Z
	1S	03 36.5		E
9.	eP	18 51	07.0	Z'
	eS	19 00	16.0	E'

D - 69.5°
 H - 18 40 04.3
 Lat. - 51.2°N, Long. - 139.0°E
 h - 83 kms., Mag. - 5.3 (CGS), 5½ - 5½ (NEK), 6½ (PAS)
 (USGS)

10.	eP	21 43	54.5	Z, Z'
	eS	48 26.0		E'

D - 23.9°
 H - 21 38 43.5
 Lat. - 14.5°N, Long. - 96.2°E
 h - 33 kms., Mag. - 5.5 (CGS)
 (USGS)

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Date	Phase	Time (GMT)	Comp.	T _g (sec)	A _g (micron)
28 JUL.					
11.	1P	22 51 50.3	Z		
	D - 24.1°				
	H - 22 46 34.0				
	Lat. - 14.1°N, Long. - 96.1°E				
	h - 14 kms., Mag. - 5.6 (CGS)				
	(USCGS)				
29 JUL.					
1.	1P	03 58 37.0	Z		
2.	1P	04 43 38.3	Z		
3.	1P	12 55 09.0	Z		
4.	1P	20 32 17.8	Z		
	1S	32 22.0	NE		
30 JUL.					
1.	1P	02 46 17.0	Z		
	1S	46 39.0	N		
2.	PKP	05 35 25.0	Z		
	D - 141.8°				
	H - 05 16 03.3				
	Lat. - 11.1°N, Long. - 86.2°W				
	h - 42 kms., Mag. - 5.7 (CGS), 6 (PAS), 6 (BRK), 5 3/4 - 6 (PAL)				
	(USCGS)				
3.	1(P)	06 13 08.0	Z		
	1(S)	13 33.5	N		
4.	1P	09 10 30.0	EZ		
	1S	10 44.0	NE		
5.	1P	10 11 20.0	Z		
	1S	11 28.0	NE		
6.	1(P)	13 20 25.0	Z		
	D - 40.8°				
	H - 13 12 54.3				
	Lat. - 6.0°S, Long. - 154.4°E				
	h - 79 kms., Mag. -				
	(USCGS)				
7.	1S	13 23 47.8	EZ		
8.	1P	18 41 42.5	NEZ	0.7	0.31
	1S	42 05.0	NEZ		
9.	1P	18 48 44.8	NEZ	0.5	0.11
	1S	49 06.9	NEZ		

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Date : Phase : Time (GMT) : Comp. : T_p (sec) : A_m (micron)
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30 JUL.

10.	1P	18 56	38.9	NZ	0.5	0.11
	1S	57	01.0	NEZ		
11.	1P	18 58	53.0	NEZ		
	1S	59	15.0	NE		
12.	1P	19 27	46.5	NEZ	0.6	0.06
	1S	28	08.5	NZ		
13.	1P	19 30	58.3	NEZ	0.5	0.09
	1S	31	20.5	NE		
14.	1P	19 37	09.0	NZ	0.5	0.08
	1S	37	31.0	NE		

31 JUL.

1.	1P	02 07	28.5	Z		
2.	1P	02 53	27.5	Z		
	1S	53	43.0	E		
3.	1P	04 12	26.5	Z	1.0	0.26
	<p>D - 38.7° H - 04 05 06.2 Lat. - 44.6°N, Long. - 151.6°E h - 53 kms., Mag. - 5.5 (CGS) (USCGS)</p>					
4.	1P	05 06	58.2	Z		
	1S	07	02.3	NE		
5.	1P	05 59	16.0	N'E'Z'		
	1S	06 04	52.0	N'		
	<p>D - 36.6° H - 05 52 18.8 Lat. - 6.1°S, Long. - 149.4°E h - 63 kms., Mag. - 5.9 (CGS), $5\frac{1}{2}$ - 5 3/4 (NRK), $6\frac{1}{2}$ - 6 3/4 (PAS) (USCGS)</p>					
6.	1P	13 46	10.5	Z		
7.	1P	14 55	11.5	Z		
	<p>D - 16° H - 14 51 22.0 Lat. - 2.4°N, Long. - 128.2°E h - 23 kms., Mag. - 4.4 (CGS) (USCGS)</p>					
8.	1P	14 40	04.8	Z		
9.	1P	21 24	01.0	NEZ		
	1S	24	22.5	NEZ		

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.....
 Date : Phase : Time (GMT) : Comp. : T_H(sec) : A_H(micron)

1 AUG.

1.	1P	09 00	18.0	Z		
	1S	00	48.0	E		
2.	1P	09 58	08.0	NZ	0.7	0.16
	D - 24.5°					
	H - 09 52 51.3					
	Lat. - 5.5°S, Long. - 131.4°E					
	h - 33 kms., Mag. - 4.6 (CGS)					
	(USCGS)					

2 AUG.

1.	1P	02 23	19.0	Z		
	1S	23	37.5	N		
2.	1P	05 05	55.0	Z		
3.	1P	07 07	45.0	N'Z'		
	1S	11	27.0	E'		
	D - 20.5°					
	H - 07 03 11.4					
	Lat. - 3.8°S, Long. - 123.2°E					
	h - 37 kms., Mag. - 5.4 (CGS)					
	(USCGS)					
4.	1P	08 14	28.0	Z		
5.	1(P)	08 48	02.5	Z		
	1S	57	45.0	N'E'		
	D - 76.0°					
	H - 08 36 16.9					
	Lat. - 36.2°N, Long. - 149.9°W					
	h - 31 kms., Mag. - 5.4 (CGS), 6 (PAS), 4 3/4 - 5 (NRK),					
	(USCGS) 5 1/2 (PAL)					
6.	1P	13 45	08.0	Z		
7.	1P	14 05	16.5	NZ		
8.	1(P)	17 47	55.5	Z		
9.	1P	18 10	58.0	Z		
10.	1(P)	18 16	38.0	Z		
11.	1P	20 12	23.5	Z		
	1S	13	05.0	E		
12.	1P	20 26	07.5	Z		
	1S	26	12.8	N		
13.	1P	22 43	53.8	Z		
	1S	44	04.3	N		

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Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
3 AUG.					
1.	1P	04 41 26.5	Z		
2.	1P D - 6.0° H - 07 44 44.3 Lat. - 22.6°N, Long. - 121.3°E h - 33 kms., Mag. - 5.4 (CGS) (USCGS)	07 46 14.0	N'		
3.	1P	11 50 43.0	NEZ		
4.	1P	16 07 37.0	Z		
5.	1P 1S	22 08 27.0 08 37.2	NEZ NE		
6.	1P 1S	23 10 20.0 10 49.5	Z E		
4 AUG.					
1.	1P 1S	07 39 12.9 39 22.3	Z NE		
2.	1P 1S	17 26 32.0 27 06.8	Z E		
3.	1P 1S D - 39.2° H - 17 24 29.2 Lat. - 46.5°N, Long. - 151.1°E h - 101 kms., Mag. - 5.9 (CGS), M_L - 5 3/4 (MRK) (USCGS)	17. 31 51.5 37 46.0	Z, Z' N'E'	0.8	0.37
4.	1(P) 1S	17 40 34.5 40 52.5	Z N		
5 AUG.					
1.	1(P)	00 04 14.0	Z		
2.	1P	03 34 27.5	Z		
3.	1P D - 12.9° H - 04 24 51.3 Lat. - 27.1°N, Long. - 128.1°E h - 144 kms., Mag. - 5.1 (CGS) (USCGS)	04 27 47.3	Z		
4.	1P	05 08 48.8	Z		
5.	1P	06 03 29.0	Z		

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

5 AUG.

6. 1(P) 10 27 54.8 Z
 7. 1P 11 17 17.0 Z'
 oP 18 20.0 Z'
 oPP 21 13.0 Z'
 oS 26 32.0 E'

D - 75.7°
 H - 11 06 02.6
 Lat. - 32.1°S, Long. - 179.8°E
 h - 235 kms., Mag. - 5.8 (CGS), 6 3/4 (PAS), 5 1/2 (BBK)
 (USCGS)

8. 1P 19 10 34.2 Z
 1S 10 56.5 E

9. PKP 22 42 59.5 Z, Z'

D - 152°
 H - 22 23 13.0
 Lat. - 41.1°S, Long. - 74.9°W
 h - 33 kms., Mag. - 6.1 (CGS), 6 3/4 (PAS), 6 1/2 (BBK),
 (USCGS)

6 AUG.

1. 1P 01 36 32.0 BBK

2. 1P 02 37 20.5 BBK

3. 1P 03 19 48.5 Z
 1S 20 10.5 H

4. 1P 08 19 44.0 Z
 1S 19 47.0 H

5. 1P 17 54 47.0 Z

7 AUG.

1. 1P 07 10 59.0 Z

8 AUG.

1. 1P 15 04 41.7 Z 0.8 0.07

D - 23.5°
 H - 14 59 41.2
 Lat. - 31.7°S, Long. - 140.2°E
 h - 110 kms., Mag. - 5.7 (CGS), 4 3/4 - 5 (BBK)
 (USCGS)

2. 1S 16 41 36.2 BE

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Date	Phase	Time (GMT)		Comp.	T_p (sec)	A_p (micron)
9 AUG.						
1.	1P	02	16	16.2	Z	
	1S	16	16	49.5	NE	
2.	1P	05	39	20.5	Z	
3.	1P	18	20	58.5	Z	
4.	ep	20	10	34.0	Z'	
	es	13	13	52.5	E'	
D - 17.5° H - 20 06 36.9 Lat. - 0.3°S, Long. - 125.1°E h - 99 kms., Mag. - 5.0 (CGS) (USCGS)						
5.	1P	21	08	39.0	Z	
10 AUG.						
1.	1(P)	02	28	36.0	Z	
2.	1P	04	01	54.5	Z	
3.	1P	06	35	41.0	Z	
	es	36	36	35.0	E'	
4.	1P	10	10	16.3	Z	
	1S	10	10	24.0	NE	
5.	1P	13	17	31.0	Z	
	1S	17	17	49.0	N	
6.	1P	17	59	17.0	Z	0.8
7.	ep	21	47	42.0	Z	0.8
	es	53	53	50.0	N'	0.14
D - 41.0° H - 21 40 10.4 Lat. - 6.2°S, Long. - 154.5°E h - 105 kms., Mag. - 5.7 (CGS) (USCGS)						
8.	1P	23	32	02.0	Z	
	1S	32	32	20.8	NE	
11 AUG.						
1.	1P	02	02	23.5	Z	
2.	1P	15	21	06.0	Z	
	1S	21	21	42.0	N'E'	

Baguio, August, 1964

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

12 AUG.

1.	1P	06 59	21.0	Z		
2.	1P 1S	13 32	00.8 12.5	Z N		
3.	1P 1S	14 17	04.0 33.2	Z N		

13 AUG.

1.	e1P eS	04 33 37	29.5 38.0	Z E'		
D - 24.5° H - 04 28 23.2 Lat. - 6.0°S, Long. - 130.4°E h - 127 kms., Mag. - 5.0 (CGS) (USCGS)						
2.	1P	12 15	31.0	Z	0.6	0.05
3.	1P 1(S)	13 03 04	32.0 08.5	Z E		
4.	1(P) 1S	13 48 49	29.5 04.8	Z N		
5.	1P 1(S)	13 51 52	42.0 13.5	NEZ E		

14 AUG.

1.	1P	07 14	42.0	Z		
2.	1P 1S	22 14	32.5 58.2	Z E		

15 AUG.

1.	eP	03 40	34.0	Z		
D - 27.2° H - 03 34 50.8 Lat. - 5.5°S, Long. - 104.1°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)						
2.	1P	15 22	55.0	Z		
3.	1P	15 44	52.2	Z		
4.	1P 1S	15 54	39.2 45.0	Z NE		
5.	1P 1S	20 37	38.5 15.0	Z E		

Bague, August, 1964

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

16 AUG.

1.	1S	02 01	34.8	NE		
2.	1P	15 05	49.0	Z		
	1S	06	57.0	NE		
3.	1P	17 44	07.3	Z		
	1S	44	39.0	NE		
4.	1S	23 10	38.3	E		

17 AUG.

1.	1P	02 16	32.8	Z		
	1S	16	35.5	N		
2.	1P	02 23	54.0	Z		
	1S	23	56.5	NE		
3.	1P	02 34	38.0	NEZ		
	1S	34	41.0	NE		
4.	1P	11 58	50.0	Z		
5.	1P	12 03	12.5	Z		
6.	1P	12 31	14.5	Z		
	1S	31	23.3	NE		
7.	1P	15 00	29.2	Z		
8.	1P	17 11	28.3	Z		
9.	1P	19 24	44.2	Z		

18 AUG.

1.	PKP ₁	05 05	04.0	Z ¹		
D - 165.0° H - 04 44 58.0 Lat. - 26.4°S, Long. - 71.5°W h - 8 kms., Mag. - 6.4 (CQS), 6½ - 6 3/4 (PAS), 5 3/4 - 6 (NEK) (USCGS)						
2.	1(P)	08 26	07.0	Z		
	1S	26	46.8	N		
3.	1(P)	11 42	24.5	Z		
	1(S)	42	38.0	E		
4.	1P	11 45	26.5	Z	1.1	0.17

Magpie, August, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
19 AUG.					
1.	1P	09 43	Z	41.0	
2.	es	11 08	NE	24.2	
3.	1P	15 30	Z	40.5	
4.	1S	23 28	NEZ	22.5	
20 AUG.					
1.	1(P)	05 06	Z	46.2	
2.	1P	05 50	Z	15.0	
3.	1P	15 16	Z	37.0	
4.	1P	16 20	Z	26.0	
5.	1(P)	17 34	Z	22.0	
	D - 15.5° H - 17 30 42.3 Lat. - 3.0°N, Long. - 128.3°E h - 178 kms., Mag. - 4.8 (CGS) (USCGS)				
21 AUG.					
1.	1P	01 59	Z	47.5	
2.	1P	06 23	Z	33.2	
	1S	23 40.5	E		
22 AUG.					
1.	1P	00 05	Z	11.5	
	es	10 12.5	E		
	D - 30.5° H - 23 58 56.6 (AUG. 21) Lat. - 12.2°S, Long. - 110.5°E h - 35 kms., Mag. - 5.3 (CGS) (USCGS)				
2.	1P	01 11	Z	39.0	
3.	es	13 10	Z	02.5	
4.	1P	14 46	Z	48.5	
	1S	46 56.2	NE		
23 AUG.					
1.	1P	02 06	Z	25.8	
	1S	06 43.5	E		
2.	1P	05 03	Z	17.2	

Baguio, August, 1964

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

3. eP 15 31 02.0 Z'
eS 36 41.0 E'
D - 37°
H - 15 24 05.3
Lat. - 6.1°S, Long. - 149.4°E
h - 63 kms., Mag. - 4.9 (CGS), 6½ (PAS), 5½ - 5½ (HRK)
(USCGS)

4. 1P 22 45 58.0 Z
1S 46 08.0 N

24 AUG.

1. 1P 03 31 10.5 Z
1S 31 25.0 NE

2. 1(P) 04 23 11.5 Z

3. 1P 14 02 11.0 MEZ
1S 02 20.0 E

4. 1P 15 01 32.0 Z

5. e1P 17 30 03.2 Z
eS 33 09.0 Z

D - 16.8°
H - 17 26 15.1
Lat. - 0.2°N, Long. - 123.8°E
h - 127 kms., Mag. - 5.4 (CGS)
(USCGS)

6. 1P 19 54 52.0 Z, Z'
D - 397 kms.
H - 19 53 59.7
Lat. - 12.9°N, Long. - 120.3°E
h - 33 kms., Mag. - 5.0 (CGS)
(USCGS)

7. 1P 22 08 37.2 Z
D - 75.5°
H - 21 56 54.2
Lat. - 58.4°N, Long. - 150.3°W
h - 22 kms., Mag. - 5.8 (CGS), 4 3/4 - 5 (HRK)
(USCGS)

25 AUG.

1. eP 01 15 37.0 Z

2. 1P 03 01 28.5 Z 0.7 0.13
D - 25.0°
H - 02 56 17
Lat. - 7.0°S, Long. - 129.4°E
h - 143 kms., Mag. - 5.0 (CGS)
(USCGS)

Baguio, August, 1964

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

25 AUG.

3. 1P 04 52 11.8 NEZ
 4. 1S 12 15 10.5 N
 5. e1P 13 57 33.5 Z
 oS 14 06 00.0 N*E*

D - 42.0°

H - 13 47 20.6

Lat. - 78.2°N, Long. - 126.6°E

h - 50 kms., Mag. - 6.1 (CGS), 7 (PAS), 6½ (NEK)
 (USCGS)

26 AUG.

1. 1P 05 47 21.5 Z
 D - 38.0°
 H - 05 40 27.1
 Lat. - 47.2°N, Long. - 148.4°E
 h - 308 kms., Mag. - 5.3 (CGS)
 (USCGS)

2. 1P 13 02 35.2 Z
 3. 1P 14 12 23.0 NEZ
 1S 12 26.0 NEZ
 4. 1P 14 32 41.0 Z
 5. 1P 17 00 47.0 Z
 6. 1P 19 05 08.5 Z
 7. 1P 19 50 46.5 Z
 8. 1P 20 42 47.2 NEZ
 1S 42 57.0 N
 9. 1(P) 20 49 44.2 Z
 10. 1P 22 22 23.0 Z

27 AUG.

1. oP 01 39 26.0 Z
 D - 23.0°
 H - 01 34 26.7
 Lat. - 23.7°N, Long. - 143.6°E
 h - 39 kms., Mag. - 5.1 (CGS)
 (USCGS)

Maglio, August, 1964

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

27 AUG.

2.	IS	03 41	40.0	H		
3.	1P	03 44	27.2	Z		
4.	1P eS	04 50 55	32.0 10.0	Z Z'	1.0	0.20
	D - 25.8° H - 04 45 02.6 Lat. - 5.6°S, Long. - 133.9°E h - 9 kms., Mag. - 5.1 (CGS) (USCGS)					
5.	1P	04 55	36.5	Z		
6.	e(P)	06 29	44.0	Z'		
7.	1P eS	08 05 15	28.0 09.0	Z, Z' E'		
	D - 74.1° H - 07 53 54.8 Lat. - 17.5°S, Long. - 173.0°W h - 33 kms., Mag. - 5.3 (CGS), M_L - 4 3/4 (BRK) (USCGS)					
8.	1P	08 31	50.0	Z		
9.	1P IS	08 50 50	12.0 23.0	Z E		
10.	eP	13 07	06.0	Z'		
	D - 61.2° H - 12 56 46.1 Lat. - 27.5°N, Long. - 55.9°E h - 33 kms., Mag. - 5.3 (CGS) (USCGS)					
11.	1P	14 37	04.0	Z		
12.	1P	14 43	14.0	Z		
13.	1(P) IS	14 44 44	14.8 23.0	Z E		
14.	1P IS	21 48 48	31.0 45.0	Z E		

28 AUG.

1.	1P	04 45	44.0	Z	0.8	0.11
	D - 70.5° H - 04 35 29.3 Lat. - 19.8°S, Long. - 178.2°W h - 580 kms., Mag. - 5.4 (CGS) (USCGS)					

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

2.	1B	10 00	09.0	NE			
3.	1P	13 10	36.8	NE	0.5	0.12	
	1B	10 40.0		NE			
4.	oP	13 27	36.0	Z, E'			
	e(S)	32 25.0		N'			
D - 26.7° H - 13 22 03.0 Lat. - 7.6°N, Long. - 95.6°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)							
5.	1P	13 40	30.0	NEZ	0.5	0.35	
	1B	40 33.2		NE			
6.	1P	13 42	31.5	EZ	0.5	0.05	
	1B	42 34.5		NE			
7.	1P	18 16	17.0	EZ			
	4 1B	16 20.0		NE			
8.	1P	18 18	49.0	Z			
	D - 7.1° H - 18 17 03.2 Lat. - 23.5°N, Long. - 120.6°E h - 10 kms., Mag. - 5.2 (CGS) (USCGS)						
9.	1P	19 07	15.5	Z			
	D - 6.5° H - 19 05 44 Lat. - 22.8°N, Long. - 120.9°E h - 65 kms., Mag. - (USCGS)						
10.	1P	19 47	15.0	Z	1.0	0.04	
11.	1(P)	21 36	01.0	Z			

29 AUG.

1.	1P	14 21	05.0	Z		
	1B	21 18.5		NE		
2.	1P	16 36	00.0	Z		
	1B	36 09.0		N		
3.	1P	19 26	32.5	Z		
	1(S)	27 51.2		N		
4.	oP	21.5 16	55.5	Z		

Naguio, August, 1964

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

1.	1S	01	19	53.5	NE		
2.	1(P) D - 32.00 H - 08 47 34.7 Lat. - 5.0°S, Long. - 144.5°E h - 93 kms., Mag. - 5.8 (CGS) (USCGS)	08	53	51.0	Z		
3.	1(P) 1S	12	51	27.0 53.0	Z E		
4.	1P	13	50	52.0	Z		
5.	1P 1S	15	51	39.5 48.5	NEZ NE	0.5	0.10
6.	oP oS D - 59.50 H - 20 37 09.2 Lat. - 13.6°S, Long. - 172.4°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	20	47	10.0 25.0	Z E'		
7.	1P 1S	21	01	09.5 21.0	Z NE		
8.	o1P D - 72.00 H - 21 44 56.9 Lat. - 19.9°S, Long. - 176.0°W h - 253 kms., Mag. - 5.6 (CGS) (USCGS)	21	55	54.0	Z	1.0	0.22
9.	1(P) D - 59.50 H - 22 30 24.8 Lat. - 13.7°S, Long. - 172.5°E h - 33 kms., Mag. - (USCGS)	22	40	25.0	Z		

31 AUG.

1.	1P 1S	04	10	33.2 54.5	Z E		
2.	1P	09	35	15.0	Z		
3.	1P 1S	14	39	31.7 03.0	Z E		

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Date	Phase	Time (GMT)			Comp.	T_Z (sec)	A_Z (micron)
31 AUG.							
4.	1P	17	17	51.5	Z		
5.	1(P)	22	10	20.0	Z		
6.	1P	23	30	51.3	Z		

Baguio, September, 1964

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

1 SEP.

- 1. 1P 09 20 55.5 Z
- 2. eP 13 28 30.0 Z'
 eS 33 14.0 E'
 D - 28.6°
 H - 13 22 36.6
 Lat. - 27.2°N, Long. - 92.3°E
 h - 33 kms., Mag. - 5.7 (GGS)
 (USCGS)
- 3. 1P 17 27 13.0 Z
 D - 64°
 H - 17 16 40.4
 Lat. - 51.2°N, Long. - 170.6°W
 h - 25 kms., Mag. - 5.5 (GGS) 4 3/4 (BRK), 4 3/4 - 5 (PAL)
 (USCGS)
- 4. 1P 18 29 54.7 Z
 1S 30 34.5 E'
- 5. 1P 18 35 17.0 Z

2 SEP.

- 1. 1(P) 02 30 16.5 Z
- 2. 1S 10 12 46.0 E
- 3. e(P) 18 32 09.5 Z

3 SEP.

- 1. 1P 10 08 50.5 Z
 1S 09 31.7 E

4 SEP.

- 1. (PKP) 03 48 18.0 Z
 D - 149°
 H - 03 28 33.1
 Lat. - 7.6°N, Long. - 36.9°W
 h - 22 kms., Mag. - 5.4 (GGS), 4 1/2 (PAL)
 (USCGS)
- 2. 1P 10 39 15.5 Z'
 eS 43 16.0 E'
 D - 23.3°
 H - 10 34 13.1
 Lat. - 4.0°S, Long. - 131.4°E
 h - 33 kms., Mag. - 5.9 (GGS), 6 (PAS), 5 1/2 - 6 (BRK),
 (USCGS) 5 3/4 - 6 (PAL)

Buglio, September, 1964

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

4 SEP.

3. 1P 16 15 56.5 Z
 es 20 10.0 E'
 D - 23.3°
 H - 16 10 53.0
 Lat. - 4.0°S, Long. - 131.5°E
 h - 37 kms., Mag. - 4.7 (CGS)
 (USCGS)

4. 1P 17 15 31.0 Z
 es 19 39.0 E'
 D - 23.3°
 H - 17 10 28.4
 Lat. - 3.9°S, Long. - 131.5°E
 h - 33 kms., Mag. - 4.8 (CGS)
 (USCGS)

5. 1P 17 54 45.2 Z
 1S 55 33.3 E

6. 1P 20 55 06.5 Z
 1S 55 30.2 NE

5 SEP.

1. 1P 03 01 20.0 Z
 1S 07 22.0 E'
 D - 40.2°
 H - 02 53 50.6
 Lat. - 5.8°S, Long. - 154.0°E
 h - 69 kms., Mag. - 6.4 (CGS), 6 3/4 (PAS), 5 3/4 - 6 (NEK)
 (USCGS) 6 2 - 6 3/4 (PAL)

2. 1P 04 42 42.5 NEZ
 1S 42 53.0 NE

3. 1P 06 41 34.0 Z

4. 1P 21 01 32.0 Z

5. 1P 21 03 18.0 Z

6. 1P 23 19 13.0 Z
 1S 19 54.7 E

6 SEP.

1. 1(P) 02 01 01.0 Z

2. 1(P) 02 19 43.0 Z

3. 1(P) 08 37 36.5 Z

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 Date : Phase : Time (GMT) : Comp. : T_H (sec) : A_H (micon)

6 SEP.

4.	1P	08	07	14.0	Z	0.6 ^E	0.15
	1S		07	33.8	E		
5.	1P	11	22	53.0	Z		
	eS		28	54.0	N'		
D - 40.0° H - 11 15 27.9 Lat. - 6.0°S, Long. - 153.7°E h - 90 kms., Mag. - 4.5 (CGS) (USCGS)							
6.	1P	13	36	03.0	Z		
	1S		36	17.5	NE		
7.	1P	15	59	13.3	Z	0.5	0.08
	1S		59	35.0	NE		
8.	1P	17	59	06.0	Z		
	1S		49	39.0	N		
9.	e1P	18	45	34.0	Z,N'E'Z'	1.0	1.30
	eS		49	22.0	N'		
D - 20.2° H - 18 41 01.8 Lat. - 10.0°N, Long. - 140.2°E h - 33 kms., Mag. - 5.1 (CGS) (USCGS)							
10.	1P	19	03	10.0	Z	0.8	0.14

7 SEP.

1.	1P	03	39	49.5	Z		
	D - 430 kms. H - 03 38 50.4 Lat. - 19.9°N, Long. - 122.2°E h - 28 kms., Mag. - 4.7 (CGS) (USCGS)						
2.	1P	04	01	49.5	Z		
3.	1P	10	12	33.5	Z		
4.	1P	10	22	31.5	Z		
5.	eP	11	36	06.0	Z		
6.	1P	14	21	59.8	Z		
	1S		22	15.7	E		
7.	1P	15	45	53.5	Z		
	1S		46	09.8	E		

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

7 SEP.

8.	1P	22	09	29.0	Z		
	1S		09	43.0	E		
9.	1P	23	54	54.0	Z		
	1S		55	08.8	E		

8 SEP.

1.	1P	07	57	41.0	Z		
	e(S)		59	56.0	E'		
D - 12° H - 07 54 57.9 Lat. - 5.8°N, Long. - 126.1°E h - 177 kms., Mag. - 5.4 (CGS) (USCGS)							
2.	1P	08	25	30.0	Z		
3.	1P	10	31	04.0	Z	1.0	0.13
	D - 20.8° H - 10 26 25 Lat. - 2.7°S, Long. - 127.7°E h - 33 kms., Mag. - (USCGS)						
4.	1P	12	36	50.0	Z		
5.	1P	13	45	04.2	Z		
	D - 28.8° H - 13 40 03.5 Lat. - 29.6°N, Long. - 142.0°E h - 77 kms., Mag. - 5.6 (CGS) (USCGS)						
6.	1P	20	25	35.0	Z		
	e(S)		28	04.0	E'		
D - 11.2° H - 20 22 54.2 Lat. - 6.9°N, Long. - 126.4°E h - 33 kms., Mag. - (USCGS)							

9 SEP.

1.	1P	17	52	05.0	NEZ		
	1S		52	07.8	NEE		
2.	1P	17	57	28.0	Z		
	1S		57	41.5	NE		
3.	1(P)	19	39	30.0	Z		

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

10 SEP.

1.	1P	14	17	44.0	NEZ		
	1S		17	46.2	NEZ		
2.	1P	19	00	05.0	Z		
	1S		00	21.0	E		

11 SEP.

1.	1P	02	19	11.0	Z		
2.	1(P)	06	45	05.2	Z		
3.	1P	06	50	20.0	Z		
4.	1P	06	54	49.0	Z		
5.	1P	07	03	49.0	Z		
6.	1P	12	03	03.5	Z		
	1S		03	18.3	NEZ		
7.	1P	20	58	45.0	Z		

12 SEP.

1.	1P	06	33	38.5	Z	1.0	0.15
	D - 16.3° H - 06 30 00 Lat. - 1.7°N, Long. - 127.8°E h - 172 kms., Mag. - (USCGS)						
2.	1P	12	49	27.0	Z,Z'	1.3	0.20
	es		54	24.0	N'E'		
D - 31.3° H - 12 43 19.0 Lat. - 4.4°S, Long. - 144.0°E h - 120 kms., Mag. - 6.3 (CGS), 6½ (PAS), 6½ - 6½ (BRK) (USCGS)							
3.	1P	13	18	05.8	NZ		
4.	1P	15	29	26.0	Z,Z'	1.2	0.60
	es		37	40.0	N'E'		
D - 68.0° H - 15 19 22.3 Lat. - 17.4°S, Long. - 179.9°W h - 561 kms., Mag. - 5.8 (CGS), 4½ - 4½ (BRK) (USCGS)							
5.	1P	18	29	46.0	Z'		
	es		33	18.0	N'		
D - 19.0° H - 18 25 30.7 Lat. - 9.1°N, Long. - 137.9°E h - 33 kms., Mag. - 4.4 (CGS) (USCGS)							

Baguio, September, 1964

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 Date : Phase : Time (GMT) : Comp. : T_B (sec) : A_B (micron)

12 SEP.

6. 1P 20 33 08.0 MEZ 0.8 0.25
 D - 38.0°
 H - 18 25 30.7
 Lat. - 9.1°N, Long. - 137.9°E
 h - 33 kms., Mag. - 4.4 (CGS)
 (USCGS)
7. 1P 22 18 45.0 Z, Z'
 eS 28 28.0 N'E'
 D - 76.5°
 H - 22 07 23.2
 Lat. - 49.1°S, Long. - 164.2°E
 h - 33 kms., Mag. - 6.9 (CGS), 7½ (PAS), 7½ (BRK),
 (USCGS) 6½ - 6 ¾ (PAL)

13 SEP.

1. 1P 04 37 55.5 N
 1S 38 17.0 NE
2. 1P 04 52 29.0 Z
 D - 24.0°
 H - 04 47 45.4
 Lat. - 6.3°S, Long. - 127.8°E
 h - 373 kms., Mag. - 5.0 (CGS)
 (USCGS)
3. 1P 15 18 01.0 NZ
 1S 18 20.0 E
4. 1P 19 23 01.5 N
 1S 23 30.8 NE
5. 1(P) 19 34 29.0 Z

14 SEP.

1. 1P 03 16 49.0 Z
 1S 17 00.8 NE
2. 1P 03 49 25.0 Z
 1S 49 39.0 NE
3. 1(P) 11 12 22.0 Z
4. 1P 11 17 01.0 Z
 1S 17 18.2 E
5. 1P 15 02 24.3 Z
 1S 02 40.5 E

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 Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)

14 SEP.

6.	1P	20 47	45.0	Z		
	D - 38.5°					
	H - 20 40 26.5					
	Lat. - 45.2°N, Long. - 150.3°E					
	h - 33 kms., Mag. - 5.0 (CGS)					
	(USCGS)					
7.	1P	20 58	11.0	Z		
	1S	58	22.6	NE		
8.	1P	21 07	34.0	Z		

15 SEP.

1.	1P	01 58	32.0	Z		
2.	1P	05 04	22.8	NE		
3.	1P	05 41	44.5	NE, N'Z'		
	es	44	57.0	E'Z'		
	D - 17.0°					
	H - 05 37 45.4					
	Lat. - 0.1°S, Long. - 124.6°E					
	h - 33 kms., Mag. - 5.3 (CGS)					
	(USCGS)					
4.	1P	06 23	00.8	Z		
5.	1P	07 17	10.8	NEZ	0.6	0.31
	1S	17	30.0	NE		
6.	1(P)	07 35	56.5	Z		
7.	1P	07 44	17.0	EZ		
	1S	44	25.7	NE		
8.	1P	09 41	43.0	Z		
9.	1P	12 55	41.0	Z	1.0	0.06
10.	1P	13 05	20.0	Z		
	1S	05	29.0	E		

Baguio, September, 1964

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

15 SEP.

11. 1P 15 35 22.5 E₁, E₂, Z₁
 1PP 36 19.0 E₁, Z₁
 1S 40 14.0 E₁
 D - 27.8°
 H - 15 29 32.2
 Lat. - 8.9°N, Long. - 93.1°E
 h - 37 kms., Mag. - 6.2 (CGS), 6 3/4 (PAS), 7 1/2 (BRK), 5 1/2 (PAL)
 (USGS)

12. 1P 16 51 39.5 Z
 1S 52 08.8 E

13. 1P 17 01 46.5 NE
 1S 02 15.4 E

14. 1S 18 04 26.9 NE

15. 1P 18 39 36.5 Z

16. 1S 18 49 34.5 NE

17. 1(P) 19 29 29.0 Z

18. 1P 20 11 06.5 Z
 1S 11 26.5 NE

19. 1P 21 53 40.0 E₂
 1S 54 03.8 E

16 SEP.

1. eP 01 32 12.0 Z, Z₁
 eS 36 50.0 E₁
 D - 27.4°
 H - 01 26 26.9
 Lat. - 10.9°N, Long. - 93.1°E
 h - 47 kms., Mag. - 4.7 (CGS)
 (USGS)

2. 1P 02 02 25.2 Z
 D - 77°
 H - 01 50 33.9
 Lat. - 60.0°N, Long. - 147.1°W
 h - 29 kms., Mag. - 5.5 (CGS), 5 3/4 (PAS), 5 1/2 - 5 3/4 (BRK)
 (USGS) 5 3/4 - 6 (PAL)

3. eP 05 28 04.0 Z
 D - 38.3°
 H - 05 20 46.1
 Lat. - 5.9°S, Long. - 152.0°E
 h - 29 kms., Mag. - 6.2 (CGS)
 (USGS)

Baguio, September, 1964

Date	Phase	Time (GMT)	Comp.	T_S (sec)	A_S (micron)
17 SEP.					
1.	1P	01 48		32.2	Z
	1S	48		58.0	E
2.	1P	06 48		32.0	Z
	1S	08 40		26.0	NEZ
3.	1S	40		48.8	NE
	1P	11 46		09.2	Z
4.	1S	46		21.6	E
	18 SEP.				
1.	1P	02 37		10.2	Z
	1S	37		19.0	NE
2.	1P	05 03		01.8	Z
	1S	03		40.0	E
3.	1P	05 32		27.0	Z
	1P	05 54		32.0	Z
4.	1S	54		51.8	E
	1P	13 11		45.0	Z
19 SEP.					
1.	ePP	05 29		53.0	Z'
	D - 133.5° H - 05 08 15.1 Lat. - 15.3°N, Long. - 94.0°W h - 42 kms., Mag. - 5.3 (CGS), 6 (PAS), 5½ - 6 (MRK), (USCGS) 5½ - 5¾ (PAL)				
2.	1P	07 25		16.8	NEZ
					0.8
3.	1P	14 08		37.0	Z
	1S	08		59.0	E
4.	1P	19 42		41.0	Z
	D - 5.3°, 589 kms., H - 19 41 21.8 Lat. - 21.6°N, Long. - 120.9°E h - 33 kms., Mag. - 4.3 (CGS) (USCGS)				
20 SEP.					
1.	e(P)	05 11		18.0	Z'
	1S	13 44		32.5	E

Maguio, September, 1964

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

20 SEP.

- 3. 1P 14 40 16.0 Z
 D - 21.2°
 H - 14 36 05.3
 Lat. - 30.0°N, Long. - 136.1°E
 h - 454 kms., Mag. - 4.9 (CGS)
 (USCGS)
- 4. 1P 14 43 45.5 Z
- 5. 1P 18 51 30.0 NEZ, N'E'2'
 1S 51 39.5 N'E'
- 6. 1P 20 45 04.5 Z
 D - 7.6°
 H - 20 43 10.9
 Lat. - 24.0°N, Long. - 121.8°E
 h - 116 kms., Mag. - 5.0 (CGS)
 (USCGS)

21 SEP.

- 1. 1(P) 02 51 35.0 Z
- 2. 1P 04 33 23.0 Z, Z'
 1S 41 57.0 N'E'
 D - 70.3°
 H - 04 23 19.7
 Lat. - 21.8°S, Long. - 179.6°W
 h - 609 kms., Mag. - 5.4 (CGS)
 (USCGS)
- 3. 1P 05 07 41.3 NEZ
 1S 08 08.5 NE
- 4. e1P 05 43 02.0 Z 1.0 1.04
 D - 25.0°
 H - 05 37 48.9
 Lat. - 7.0°S, Long. - 129.4°E
 h - 123 kms., Mag. - 5.2 (CGS)
 (USCGS)
- 5. 1P 08 35 26.4 NZ 1.3 0.63
 D - 20.2°
 H - 08 30 54.4
 Lat. - 2.1°S, Long. - 128.3°E
 h - 36 kms., Mag. - 5.7 (CGS)
 (USCGS)
- 6. 1P 14 42 22.5 NEZ
 1S 42 43.3 NE
- 7. 1S 17 00 32.5 NE
- 8. 1P 21 26 36.5 NZ
 1S 26 49.5 E

Baguio, September, 1964

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

22 SEP.

1.	IS	03 00	10.5	NE		
2.	1(P)	08 04	10.0	Z		
3.	1P D - 35.4° H - 09 07 12.8 Lat. - 43.7°N, Long. - 147.7°E h - 33 kms., Mag. - 5.0 (CGS) (USCGS)	09 14	29.0	Z		
4.	1P IS	10 08 09	50.5 12.5	Z NE		
5.	1P IS	12 12 12	17.0 37.5	NEZ NE	0.9	0.07
6.	1P IS	19 46 47	52.0 25.5	Z NE		

23 SEP.

1.	1P	04 40	09.2	Z		
2.	oP oS D - 68.3° H - 04 59 47.4 Lat. - 53.6°N, Long. - 163.9°W h - 29 kms., Mag. - 5.5 (CGS), 5 - 5½ (BBK) (USCGS)	05 10 19	47.0 50.5	Z,Z' N'E'		
3.	1P IS	05 42 42	12.0 31.0	Z N		
4.	1P IS	10 30 30	22.5 24.5	Z NE		
5.	1P	13 50	36.5	Z		
6.	1P D - 12.2° H - 17 18 12.1 Lat. - 5.8°N, Long. - 126.4°E h - 132 kms., Mag. - (USCGS)	17 21	04.0	Z		

24 SEP.

1.	oP D - 38.2° H - 09 14 38.6 Lat. - 5.6°S, Long. - 151.8°E h - 35 kms., Mag. - 5.3 (CGS) (USCGS)	09 21	52.0		1.4	0.40
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Nagato, September, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
24 SEP.					
2.	1P	09 35	Z	08.5	
	1S	35	NE	36.0	
3.	1P	14 39	Z	47.5	
4.	1(P)	17 04	Z	18.0	
25 SEP.					
1.	1P	14 58	NZ	01.8	
	1S	58	E	17.5	
2.	1S	17 54	NE	36.0	
3.	1P	23 38	Z	41.0	
26 SEP.					
1.	eP	03 50	Z'	05.0	
	D - 73.7° H - 03 38 32.7 Lat. - 17.7°S, Long. - 173.3°W h - 33 kms., Mag. - 5.1 (CGS) (USCGS)				
2.	1P	17 39	Z	31.0	
	1S	39	N	43.0	
3.	1P	19 53	NEZ	02.0	
	1S	53	NE	24.0	
4.	1P	20 55	Z	21.0	
5.	1P	23 02	Z'	41.0	1.0
	eS	08	E'	35.0	0.36
	D - 39.3° H - 22 55 14.8 Lat. - 4.9°S, Long. - 153.5°E h - 34 kms., Mag. - 5.5 (CGS) (USCGS)				
27 SEP.					
1.	1P	06 57	Z	31.0	
2.	1P	09 57	Z	08.5	
	D - 15.5° H - 09 53 36.6 Lat. - 2.3°N, Long. - 126.7°E h - 100 kms., Mag. - 5.1 (CGS) (USCGS)				
3.	1P	15 45	Z	15.2	
	1S	45	N	26.5	

Baguio, September, 1964

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

27 SEP.

4. eP 16 02 34.0 Z'
 D - 74.8°
 H - 15 50 54.7
 Lat. - 36.6°N, Long. - 152.0°W
 h - 27 kms., Mag. - 5.4 (CGS), 5½ (BRK)
 (USCGS)

5. 1P 17 46 00.0 Z
 1S 46 19.5 E

28 SEP.

1. 1P 04 47 55.5 Z
 1S 48 00.0 E

2. PKP 05 24 24.0 Z'
 D - 144°
 H - 05 04 55.5
 Lat. - 1.2°S, Long. - 24.1°W
 h - 37 kms., Mag. - 5.5 (CGS)
 (USCGS)

3. 1P 06 23 15.0 NEZ

4. 1P 06 59 36.0 Z

5. 1P 08 42 51.0 Z

6. 1P 09 48 33.5 Z

7. 1P 14 30 28.5 Z

8. 1P 20 13 32.5 Z

D - 37°
 H - 20 06 46.0
 Lat. - 5.2°S, Long. - 150.5°E
 h - 224 kms., Mag. - 5.5 (CGS)
 (USCGS)

29 SEP.

1. 1P 05 05 36.0 Z
 1S 05 50.0 NE

2. eP 14 11 47.8 Z,Z' 1.2 0.25
 D - 73.8°
 H - 14 00 14.9
 Lat. - 20.4°S, Long. - 174.4°W
 h - 29 kms., Mag. - 5.7 (CGS), 6½ (PAS), 5 3/4 (BRK)
 (USCGS)

Baguio, September, 1964

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Date : Phase : Time (GMT) : Comp. : T_Z(sec) : A_Z(micron)
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29 SEP.
3. iP 18 00 45.0 Z
iS 00 55.5 NE

30 SEP.
1. iP 10 44 15.0 Z
2. iP 13 38 17.0 Z
iS 38 58.0 E

Baguio, October, 1964

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

1 OCT.

1.	1(P)	02 57	42.0	Z		
2.	1P	09 08	37.0	NEZ	0.5	0.30
3.	1P	12 12	56.8	Z		
	1S	13 10.0		E		
4.	1P	15 45	30.0	Z		
5.	1P	16 27	02.5	Z		
	D - 4.6°; 512 kms. H - 16 25 54 Lat. - 14.3°N, Long. - 124.7°E h - 190 kms., Mag. - 4.5 (CGS) (USCGS)					
6.	1P	18 11	05.8	Z	0.5	0.10
7.	1P	18 47	10.7	NEZ	0.5	0.05
	1S	47 18.5		NEZ		

2 OCT.

1.	eP	01 06	09.5	Z	1.3	0.21
	eS	12 23.0		N'		
D - 40° H - 00 58 39.2 Lat. - 51.9°N, Long. - 142.9°E h - 33 kms., Mag. - 5.7 (CGS) (USCGS)						
2.	1P	09 40	56.0	Z		
3.	1P	09 56	10.5	Z		
	D - 50° H - 09 47 27.2 Lat. - 10.4°S, Long. - 162.4°E h - 58 kms., Mag. - 5.2 (CGS) (USCGS)					
4.	1P	13 09	22.2	NEZ		
	eS	16 26.0		N'E'		
D - 50° H - 13 00 39.7 Lat. - 10.5°S, Long. - 162.4°E h - 68 kms., Mag. 6.0 (CGS), 5 3/4 (BRK) (USCGS)						
5.	1P	19 32	38.0	Z		
	1S	32 40.2		E		

Baguio, October, 1964

Date	Phase	Time (GMT)	Comp	T_m (sec)	A_m (micron)
2 OCT.					
6.	1(P)	19 44	23.0	Z	
7.	1P	22 35	30.5	Z	
8.	1P	23 27	58.1	NEZ	
3 OCT.					
1.	1P	00 09	12.0	NZ	
2.	1P	00 47	50.0	Z	
	1S	48	00.8	NE	
3.	1P	13 51	27.0	Z	
4.	1P	18 23	02.0	Z	
5.	1P	18 58	11.8	Z	
6.	1P	22 09	51.0	Z	
7.	1P	22 25	53.0	Z	
4 OCT.					
1.	1P	04 50	48.0	NEZ	
	1S	50	50.2	NE	
2.	1P	07 45	12.0	NEZ	
3.	1P	10 21	52.2	Z	
4.	1P	16 55	09.0	NEZ	
5.	1P	20 08	44.8	Z	
6.	1P	22 42	54.0	Z	
	1S	43	27.0	N	
5 OCT.					
1.	1(P)	22 15	48.8	Z	
6 OCT.					
1.	1(P)	05 50	28.0	Z	
2.	1P	06 12	10.5	NEZ, Z'	
	D - 267 kms. H - 06 11 32.6 Lat. - 18.6°N, Long. - 119.6°E h - 33 kms., Mag. - 6.0 (CGS) (USCGS)				
3.	1P	06 39	06.0	Z	
	1S	39	34.3	E	

Ragusa, October, 1964

Date	Phase	Time (GMT)	Comp.	T _z (sec)	A _z (micron)
6 OCT.					
4.	1P	09 15	26.0	Z	
5.	1P	14 42	14.0	Z	
	D - 82° H - 14 29 55.6 Lat. - 40.2°N, Long. - 28.1°E h - 10 kms., Mag. - 5.1 (CGS) (USCGS)				
6.	1P	14 43	37.0	Z	1.0
	1S	53	57.0	N'	0.24
	D - 83° H - 14 31 19.2 Lat. - 40.3°N, Long. - 28.2°E h - 10 kms., Mag. - 6.0 (CGS), 6 3/4 - 7 (PAS), 6 3/4 - 7 (BRK) (USCGS) 6 1/2 (PAL)				
7.	1P	19 02	43.2	Z	
	1S	03	03.0	NE	
7 OCT.					
1.	1P	03 59	51.0	Z	
2.	1P	11 32	33.0	Z	
3.	1P	18 40	50.0	Z	
4.	1P	22 27	41.3	NEZ	
	1S	27	46.0	N	
5.	1P	23 18	03.0	Z	
	1S	18	31.5	E	
8 OCT.					
1.	1P	00 59	30.5	Z	0.7
					0.06
2.	1(P)	05 37	07.0	Z	
	1S	37	38.0	N	
3.	1P	11 22	07.8	Z	0.8
					0.03
4.	1P	17 05	12.5	Z	
9 OCT.					
1.	1(P)	04 00	50.6	Z	
2.	1P	04 45	01.8	Z	
3.	1P	05 16	32.2	Z	

Baguio, October, 1964

Date	Phase	Time (GMT)	Comp.	T_E (sec)	A_E (micron)
9 OCT.					
4.	1P	12 47	09.8	Z	
5.	1P	20 42	51.5	Z	
	1S	43	18.5	E'	
10 OCT.					
1.	1P	11 09	32.5	Z	
	1S	09	36.5	NE	
2.	1P	16 07	39.5	NEZ	
	1S	08	29.5	N'	
3.	1P	20 20	40.5	Z	
11 OCT.					
1.	1P	01 40	38.5	Z	
	1S	40	26.0	N	
2.	1P	06 00	23.5	EZ	
	1S	00	26.2	NEZ	
3.	1P	07 07	26.5	Z	
4.	1P	11 19	56.0	Z	
	D - 54.8° H - 11 10 33.6 Lat. - 13.6° S, Long. - 166.6° E h - 68 kms., Mag. - 5.0 (CGS) (USCGS)				
5.	1P	11 56	49.9	NEZ	
	1S	57	02.0	NE	
6.	1P	18 10	06.2	NEZ	
	1S	10	16.5	NEZ	
7.	1P	21 19	01.0	N'E'	
	1S	22	14.0	N'E'	
	D - 17.0° H - 21 15 03.9 Lat. - 0.6° S, Long. - 121.7° E h - 33 kms., Mag. - 6.3 (CGS), $6\frac{1}{2}$ (BRK), $6\frac{1}{2}$ - $6\frac{1}{2}$ (PAL) (USCGS)				
8.	1P	23 36	19.0	Z	
	D - 12.1° H - 23 33 23.9 Lat. - 6.0° N, Long. - 126.7° E h - 121 kms., Mag. - 5.4 (CGS) (USCGS)				

Baguio, October, 1964

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

12 OCT.

1. 1P 03 03 00.0 Z
2. oP 15 46 18.0 Z'
 oS 49 08.0 E'
 D - 15.0°
 H - 15 42 54.7
 Lat. - 3.0°N, Long. - 126.7°E
 h - 59 kms., Mag. 5.9 (CGS), 5 3/4 - 6 (PAL)
 (USCGS)
3. 1P 16 28 45.0 Z
4. 1P 20 33 31.2 Z
 18 33 51.0 E
5. (PKS) 22 18 14.0 Z'
 D - 131.5°
 H - 21 55 33.2
 Lat. - 31.3°S, Long. - 110.8°W
 h - 25 kms., Mag. - 6.0 (CGS), 6 1/4 (PAS), 6 1/4 (BRK), 5 3/4 (PAL)
 (USCGS)

13 OCT.

1. 1(P) 01 16 33.5 Z
 1(S) 16 53.0 H
2. 1P 02 28 10.5 Z 0.8 0.11
 D - 38.0°
 H - 02 20 49.3
 Lat. - 44.4°N, Long. - 151.6°E
 h - 33 kms., Mag. - 5.2 (CGS)
 (USCGS)
3. 1P 05 35 29.0 Z 1.2 0.29
 D - 15.8°
 H - 05 31 43
 Lat. - 1.9°N, Long. - 126.5°E
 h - 16 kms., Mag. - 5.1 (CGS)
 (USCGS)
4. 1P 10 45 48.0 Z
 oS 51 24.0 E'
 D - 35.5°
 H - 10 38 59.3
 Lat. - 3.3°S, Long. - 149.9°E
 h - 59 kms., Mag. - 5.1 (CGS)
 (USCGS)
5. o1P 15 11 35.5 Z

Magpie, October, 1964

Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
13 OCT.					
6.	1(P)	15 25	Z	21.0	
	1S	25	N	33.0	
7.	1P	23 52	NZ	05.8	
	1S	52	E	39.5	
14 OCT.					
1.	1P	03 10	Z	22.0	
	oS	15	E'	08.0	
	D - 25° H - 03 04 59.6 Lat. - 33.4°N, Long. - 141.8°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)				
2.	1P	12 04	Z	23.0	
3.	1P	12 13	Z	41.0	
4.	oP	17 36	Z'	40.0	
5.	1P	20 05	Z	21.5	
	1S	05	E	48.0	
15 OCT.					
1.	1P	02 14	Z	45.0	
2.	1P	10 40	NZ	00.3	
	1S	40	NE	08.0	
3.	1P	20 34	Z, Z'	02.0	
	oS	39	E'	48.0	
	D - 37.5° H - 20 26 53.5 Lat. - 44.7°N, Long. - 149.8°E h - 49 kms., Mag. - 5.2 (CGS) (USCGS)				
4.	1P	22 47	Z	42.0	
	D - 37.5° H - 22 40 32.4 Lat. - 44.6°N, Long. - 149.9°E h - 44 kms., Mag. - 4.6 (CGS) (USCGS)				
16 OCT.					
1.	1P	02 26	NZ	29.5	0.5
	1S	26	NZ	29.5	0.34
2.	1P	05 42	Z	37.0	
	1S	42	N	52.0	

Magpie, October, 1964

Date	Phase	Time (GMT)	Comp.	T_z (sec)	A_z (micron)
16 OCT.					
3.	1P	06 26 39.0	Z		
	D - 72.8° H - 06 15 31.5 Lat. - 23.6°S, Long. - 177.6°W h - 178 kms., Mag. - 5.5 (CGS) (USCGS)				
4.	1P	06 06 47.5	NEZ, Z'	1.3	0.40
	es	12 33.0	E'		
	D - 37.0° H - 06 59 38.6 Lat. - 44.3°N, Long. - 149.5°E h - 33 kms., Mag. - 5.5 (CGS), 6½ (PAS), 6½ (BRK) (USCGS)				
5.	1P	07 10 52.0	Z		
6.	1P	07 28 51.8	Z	1.3	0.25
	D - 37.0° H - 07 21 42.7 Lat. - 44.2°N, Long. - 149.4°E h - 33 kms., Mag. - 5.2 (CGS) (USCGS)				
7.	1P	07 35 36.8	Z	0.8	0.06
	D - 37.0° H - 07 28 28.3 Lat. - 44.3°N, Long. - 149.5°E h - 52. kms., Mag. - 5.0 (CGS) (USCGS)				
8.	oP	07 44 28.5	Z		
	D - 37.1° H - 07 37 19.6 Lat. - 44.5°N, Long. - 149.6°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)				
9.	1P	08 25 35.0	Z	0.8	0.13
	D - 37.2° H - 08 18 28.3 Lat. - 44.6°N, Long. - 149.4°E h - 33 kms., Mag. - 5.2 (CGS), 6 - 6½ (PAL)				
10.	1P	08 30 06.5	Z		
	D - 37.2° H - 08 23 00.6 Lat. - 44.6°N, Long. - 149.6°E h - 33 kms., Mag. - 5.3 (CGS) (USCGS)				

Bague, October, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
16 OCT.					
11.	1P D - 36.8° H - 08 33 29.8 Lat. - 44.2°N, Long. - 149.4°E h - 33 kms., Mag. - 4.7 (CGS) (USCGS)	08 40 39.3	Z	0.8	0.04
12.	1P D - 37.5° H - 08 37 34.8 Lat. - 44.3°N, Long. - 150.2°E h - 33 kms., Mag. - 4.6 (CGS) (USCGS)	08 44 47.0	Z	0.8	0.06
13.	1P D - 36.8° H - 09 18 16.6 Lat. - 44.5°N, Long. - 149.1°E h - 33 kms., Mag. - 5.4 (CGS) (USCGS)	09 25 24.0	Z		
14.	1(P)	09 59 31.0	Z		
15.	e1P D - 37.0° H - 12 37 24.8 Lat. - 44.3°N, Long. - 149.4°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	12 44 33.8	Z	0.8	0.06
16.	1P D - 37.0° H - 13 29 30.6 Lat. - 44.4°N, Long. - 149.5°E h - 33 kms., Mag. - 4.9 (CGS) (USCGS)	13 36 40.5	Z	0.7	0.05
17.	1P 1S	22 41 41.0 41 59.0	NEZ NE		
17 OCT.					
1.	1P D - 42.5° H - 01 38 36.0 Lat. - 7.0°S, Long. - 155.8°E h - 58 kms., Mag. - 4.7 (CGS) (USCGS)	01 46 21.7	Z	1.2	0.34

Baguio, October, 1964

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 Date : Phase : Time (GMT) : Comp. : T_m(sec) : A_m(micron)

17 OCT.

- 2. 1P 02 11 57.5 Z
 D - 77.7°
 H - 02 00 03.3
 Lat. - 59.5°N, Long. - 145.5°W
 h - 33 kms., Mag. - 5.2 (CGS), 4 3/4 (BBK)
 (USCGS)

- 3. 1P 03 21 07.0 Z 1.5 0.52
 e(s) 24 08.0 E'
 D - 16°
 H - 03 17 28.1
 Lat. - 0.7°N, Long. - 119.3°E
 h - 62 kms., Mag. - 5.4 (CGS)
 (USCGS)

- 4. 1P 06 06 09.3 Z

- 5. 1P 06 19 06.0 NEZ

- 6. 1P 07 01 02.0 Z

- 7. 1P 15 06 26.2 Z 1.0 0.56
 D - 25.5°
 H - 15 01 14.0
 Lat. - 7.1°S, Long. - 129.4°E
 h - 117 kms., Mag. - 5.5 (CGS)
 (USCGS)

- 8. 1P 18 29 36.0 Z
 D - 16°
 H - 18 25 46.8
 Lat. - 0.6°S, Long. - 122.2°E
 h - 152 kms., Mag. - 4.9 (CGS)
 (USCGS)

18 OCT.

- 1. 1P 05 04 34.5 Z

- 2. 1P 06 23 40.5 Z
 D - 37.2°
 H - 06 16 35.2
 Lat. - 44.4°N, Long. - 149.7°E
 h - 33 kms., Mag. - 5.1 (CGS)
 (USCGS)

- 3. eP 09 15 59.0 Z
 e(s) 23 47.0 H'
 D - 55.7°
 H - 09 06 26.0
 Lat. - 2.9°N, Long. - 65.7°E
 h - 33 kms., Mag. - 6.3 (CGS)
 (USCGS)

Baguio, October, 1964

Date	Phase	Time (GMT)	Comp.	T_p (sec)	A_p (micron)
18 OCT.					
4.	1P	09 36	26.5	Z	
5.	1(P)	10 40	39.0	Z	
6.	1P	12 36	50.5	Z	
	1S	40	14.0	E'	
	D - 23.7°				
	H - 12 32 24.1				
	Lat. - 7.0°S, Long. - 124.0°E				
	h - 574 kms., Mag. - 5.8 (CGS), 6.9 (PAS)				
	(USCGS)				
7.	1P	19 00	25.0	Z	
8.	1P	22 01	27.0	Z	1.3 0.43
	D - 25.3°				
	H - 21 56 01.0				
	Lat. - 7.1°N, Long. - 124.4°E				
	h - 33 kms., Mag. - 4.8 (CGS)				
	(USCGS)				
19 OCT.					
1.	1P	07 06	02.5	Z	
	1S	06	19.0	E	
2.	1(P)	12 36	30.5	Z	
3.	1P	13 36	45.0	Z	1.2 0.26
4.	1P	14 02	53.0	Z	
	1S	03	06.0	NEZ	
5.	1P	15 40	55.5	Z	
20 OCT.					
1.	1P	05 16	04.0	Z	
2.	1P	05 27	32.0	Z	
3.	1P	11 07	11.0	Z	
	1S	07	19.5	E	
21 OCT.					
1.	1P	02 18	55.0	Z	
2.	1P	06 40	54.8	Z	
	1S	41	06.5	NE	
3.	1P	22 19	26.5	NEZ	
	1S	19	29.0	NE	

Bague, October, 1964

Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
21 OCT.					
4.	1P	23 04	16.5	Z	
	1S	04	19.0	NEZ	
5.	eP	23 15	02.0	Z'Z'	
	eS	19	38.0	N'	
D - 27.5° H - 23 09 18.8 Lat. - 28.1°N, Long. - 93.8°E h - 37 kms., Mag. - 5.9 (CGS), 6 3/4 (PAS), 6 3/4 (BRK) (USCGS)					
22 OCT.					
1.	1P	07 54	22.5	Z	
	1S	55	16.0	E	
2.	1P	11 18	50.5	Z	
3.	1P	12 42	37.5	Z	
4.	1P	18 10	56.0	Z	
	1S	11	25.0	N	
23 OCT.					
1.	FKP	02 15	34.0	Z,Z'	
	D - 144° H - 01 56 03.2 Lat. - 19.8°N, Long. - 56.0°W h - 31 kms., Mag. - 6.4 (CGS), 6 3/4 (PAS), 6 3/4 (BRK) (USCGS)				
2.	1P	02 39	41.0	Z	
3.	1P	09 47	48.3	Z	
	1S	48	10.0	NE	
4.	1(P)	11 15	28.5	Z	
5.	1P	18 50	29.0	Z	
	1S	50	45.0	E	
6.	1P	21 13	20.8	ZZ	
	eS	18	56.0	E'	
D - 36.5° H - 21 06 24.2 Lat. - 44.0°N, Long. - 147.5°E h - 45 kms., Mag. - 5.9 (CGS), 5 1/2 (BRK) (USCGS)					

Baguio, October, 1964

Date	Phase	Time (GMT)	Comp.	T _Z (sec)	A _Z (micron)
24 OCT.					
1.	1P	08 48	27.0	Z	
	D - 8.5°				
	H - 08 46 25				
	Lat. - 24.8°N, Long. - 122.1°E				
	h - 63 kms., Mag. - 5.3 (CGS)				
	(USCGS)				
2.	1P	11 03	41.5	Z	
	1S	04	12.5	NE	
3.	1P	16 48	46.0	Z	
	1S	49	03.5	N	
4.	1P	20 27	52.0	Z	
25 OCT.					
1.	1P	06 57	41.0	Z	
	1S	57	53.0	E	
2.	1P	08 10	57.5	Z	
3.	1P	09 19	29.0	Z	
4.	1P	12 19	06.0	Z	0.8
					0.27
5.	1P	22 28	57.0	Z	
26 OCT.					
1.	1P	13 39	24.0	NZ	0.5
	1S	39	33.0	NE	0.06
2.	1P	14 26	35.5	NZ	
	1S	29	31.0	N'E'	
	D - 15.5°				
	H - 14 22 57.8				
	Lat. - 2.2°N, Long. - 126.8°E				
	h - 48 kms., Mag. - 6.0 (CGS)				
	(USCGS)				
3.	1(P)	20 09	37.0	Z	
4.	1P	21 56	26.0	Z	
5.	1P	23 26	24.0	Z	0.5
	1S	26	38.0	N	0.28

Bagnie, October, 1964

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

27 OCT.

1.	1P	02	02	50.0	NZ		
	1S		02	57.3	E		
2.	1P	02	41	00.3	NZ, N'Z'		
	D - 2.5°; 278 kms., H - 02 40 20.9 Lat. - 18.9°N, Long. - 120.9°E h - 56 kms., Mag. - 4.5 (CGS) (USCGS)						
3.	1P	03	48	01.9	Z		
	1S		48	14.8	E		
4.	1P	12	13	16.0	Z		
	1S		13	19.5	NZ		
5.	1P	17	50	58.4	Z	0.7	0.06
	1S		51	19.7	N		
6.	1S	18	54	03.5	N		
7.	oP	21	35	13.5	Z'		
	oS		44	00.0	E'		
D - 66.0° H - 21 24 31.2 Lat. - 45.6°S, Long. - 96.1°E h - 33 kms., Mag. - 6 (PAS) (USCGS)							

28 OCT.

1.	1P	06	20	15.2	NZ		
	1S		20	34.0	NE		
2.	1(P)	22	20	02.5	Z		

29 OCT.

1.	1P	07	01	10.0	Z	1.0	0.18
2.	1P	11	15	41.0	NZ		
	1S		15	59.5	NE		
3.	1P	19	27	00.5	Z		
	1S		27	41.8	NE		

Buglio, October, 1964

Date	Phase	Time (GMT)			Comp.	T_2 (sec)	A_2 (micron)
30 OCT.							
1.	IS	07	27	18.0	E		
2.	1(P) IS	08	35	38.0 53.0	Z E		
3.	1P IS	11	25	38.3 53.5	Z N	0.7	0.08
4.	1P	20	14	19.5	Z	0.7	0.07
5.	1P	21	19	31.0	Z		
31 OCT.							
1.	1P IS	10	05	27.0 47.0	N E		
2.	IS	18	07	20.5	E		
3.	1P e(s)	18	56	48.0 47.0	NE E'		
D - 9.7°, 1079 kms. H - 18 54 28.6 Lat. - 8.8°N, Long. - 126.6°E h - 69 kms., Mag. - 5.4 (CGS) (USCGS)							

Baguio, November, 1964

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

1 NOV.

- 1. iP 05 16 30.0 NEZ
 D - 2.75°
 H - 05 15 48.4
 Lat. - 13.7°N, Long. - 120.6°E
 h - 94 kms., Mag. - 4.9 (CGS)
 (USCGS)
- 2. iP 12 29 38.0 Z
 D - 15.5°
 H - 12 26 06.2
 Lat. - 3.1°N, Long. - 128.1°E
 h - 65 kms., Mag. - 6.3 (CGS), 5 3/4 - 6 (PAL)
 (USCGS)
- 3. iP 15 49 24.2 Z
- 4. iP 19 10 56.0 NE
 iS 11 03.0 E
- 5. iP 21 35 08.5 Z
 iS 35 31.0 N

2 NOV.

- 1. iP 05 09 17.0 NZ 1.0 0.31
 D - 25.3°
 H - 05 03 52.3
 Lat. - 7.5°S, Long. - 128.7°E
 h - 48 kms., Mag. - 4.5 (CGS)
 (USCGS)
- 2. PKP 07 10 47.0 Z,Z'
 D - 160.0°
 H - 06 50 58.2
 Lat. - 4.1°S, Long. - 76.9°W
 h - 91 kms., Mag. - 6.0 (CGS), 6 3/4 (PAS)
 (USCGS)
- 3. iP 09 04 35.0 Z
 iS 05 33.0 N
- 4. iP 10 06 07.0 Z
 iS 06 18.5 E
- 5. i(P) 10 50 14.5 Z
 iS 51 22.5 NE
- 6. iP 11 13 44.3 Z
 iS 14 06.5 NE

Baguio, November, 1964

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

2 NOV.

7. 1P 11 52 21.0 Z
1S 52 35.0 E
8. 1P 18 11 15.5 Z
1S 12 09.0 N

3 NOV.

1. 1(P) 11 44 55.5 Z
2. 1P 12 46 50.0 Z, Z'
D - 16.8°
H - 12 43 04.7
Lat. - 0.1°N, Long. - 123.7°E
h - 149 kms., Mag. - 5.4 (CGS)
(USCGS)

3. 1P 13 27 38.0 Z

4. 1P 15 02 54.0 Z
D - 37.3°
H - 14 55 40.1
Lat. - 44.6°N, Long. - 149.0°E
h - 20 kms., Mag. - 5.0 (CGS)
(USCGS)

5. 1P 17 46 45.3 Z
D - 64.3°
H - 17 36 09.5
Lat. - 36.0°N, Long. - 50.6°E
h - 33 kms., Mag. - 5.3 (CGS)
(USCGS)

6. 1(P) 20 21 37.2 Z

4 NOV.

1. 1P 04 05 28.0 EZ
1S 05 41.0 NE

2. 1P 13 38 59.8 Z

3. 1(P) 14 24 40.0 Z
1S 25 02.0 NE

4. 1P 21 05 10.8 Z, N'E, Z' 1.8 3.18
D - 10.8°; 1201 kms.
H - 21 02 38.7
Lat. - 6.8°N, Long. - 125.4°E
h - 70 kms., Mag. -
(USCGS)

Ragulo, November, 1964

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

5 NOV.

1.	1P eS	07 06 10	09.0 18.0	Z E'		
	D - 22.4° H - 07 01 15.3 Lat. - 9.2°N, Long. - 142.0°E h - 33 kms., Mag. - 4.8 (CGS) (USCGS)					
2.	1P	09 58	48.5	Z		
3.	1P 1B	15 33 33	21.0 33.5	Z HE		
4.	1P 1B	15 58 58	01.2 12.8	Z H		
5.	1P 1B	16 23 23	38.5 51.0	Z HE		
6.	1P 1B	20 06 06	38.5 55.8	HEZ E		

6 NOV.

1.	1P 1B	05 04 05	51.0 07.0	Z E		
2.	1P eS	10 00 06	26.0 08.0	Z H'E'	0.9	0.20
	D - 37.0° H - 09 53 22.4 Lat. - 14.4°N, Long. - 149.0°E h - 60 kms., Mag. - 5.7 (CGS), 5½ - 5¾ (PAL) (USCGS)					
3.	1P 1B	14 52 52	06.0 19.3	HE E		
4.	1B	15 49	32.7	H		

7 NOV.

1.	1P	14 56	31.7	Z		
	D - 38.3° H - 14 49 13.4 Lat. - 45.7°N, Long. - 150.3°E h - 33 kms., Mag. - 5.6 (CGS) (USCGS)					

8 NOV.

1.	eP eS	02 55 03 05	41.0 28.0	Z' E'		
	D - 76.0° H - 02 43 57 Lat. - 49.0°N, Long. - 163.7°E h - 33 kms., Mag. - 5.6 (CGS), 6½ (PAS), 6¾ (HEK), 6½ - 6¾ (PAL) (USCGS)					

Buglio, November, 1964

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 Date : Phase : Time (GMT) : Comp. : T_m(sec) : A_m(micron)

8 NOV.

2.	1(P) 1S	03 25 25	06.0 28.0	Z N		
3.	1P 1S	12 44 45	40.0 04.0	Z E		
4.	1P D = 21.7° H = 17 56 31.1 Lat. = 24.8°N, Long. = 133.0°E h = 42 km., Mag. = 5.0 (CGS) (USCGS)	18 01	08.8	Z	0.9	0.10
5.	1S	20 16	53.3	NE		

9 NOV.

1.	1P 1S D = 25° H = 04 44 19.9 Lat. = 7.2°S, Long. = 128.2°E h = 129 km., Mag. = 5.3 (CGS) (USCGS)	04 49 53	31.0 42.0	Z NE		
2.	1P	05 14	39.5	Z		
3.	1P D = 66.5° H = 08 05 48.8 Lat. = 39.8°N, Long. = 48.4°E h = 65 km., Mag. = 5.1 (CGS) (USCGS)	08 16	31.0	Z	1.0	0.30
4.	1P D = 324 km. H = 18 43 38.6 Lat. = 19.3°N, Long. = 121.0°E h = 33 km., Mag. = 5.0 (CGS) (USCGS)	18 44	25.3	Z		
5.	1(P) 1S	19 47 47	08.0 19.5	Z N		
6.	1P	20 15	01.5	Z		

10 NOV.

1.	1P 1S	02 06 06	12.5 23.0	NE NEZ		
2.	1P 1S	11 48 49	48.0 01.0	NE NE		

Baguio, November, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
10 NOV.					
3.	1P	12 41	98.0	NEZ	
	1S	42	10.5	E	
4.	1P	12 50	31.5	E,Z'	0.8
5.	1S	12 54	11.0	NEZ	
6.	1P	13 09	35.1	EZ	0.6
	1S	09	47.8	E	0.07
7.	1P	16 39	49.5	Z	
	D - 25.50 H - 16 34 15.5 Lat. - 3.7°S, Long. - 136.5°E h - 14 km., Mag. - 5.4 (CGS) (USCGS)				
8.	1P	20 32	02.5	Z	
	1S	32	24.0	E	
9.	1P	23 03	30.7	EZ	
	1S	03	51.5	E	
10.	1P	23 05	13.5	NEZ	
	1S	05	35.0	E	
11.	1P	23 18	48.5	Z	
	1S	19	10.5	E	
11 NOV.					
1.	1P	05 16	24.7	Z	
	1S	16	27.0	NE	
2.	1P	12 35	01.0	Z	
	1S	35	06.0	H	
3.	1P	18 19	45.0	Z	
12 NOV.					
1.	1P	05 23	09.8	Z	
2.	1P	06 33	21.5	NEZ	
3.	1P	09 37	00.0	Z	
4.	1P	13 48	16.5	Z	
	1S	48	46.0	NE	
5.	1P	19 27	40.8	Z	
	1S	27	54.3	NE	
6.	1P	21 32	16.0	Z	
	1S	32	30.0	NE	

Baguio, November, 1964

Date	Phase	Time (GFT)	Comp.	T_p (sec)	A_p (micron)
12 NOV.					
7.	1P	22 06	Z	05.5	
13 NOV.					
1.	1P	06 38	HEZ	43.5	
	1S	39	E	03.0	
2.	1P	13 13	Z	32.8	
3.	1P	13 34	Z	41.0	
4.	1P	21 32	Z	42.5	
5.	1P	23 00	Z	07.5	
14 NOV.					
1.	1P	04 00	Z	33.5	
	D - 20° H - 03 56 06.0 Lat. - 33.6°N, Long. - 131.6°E h - 60 kms., Mag. - 5.3 (CGS) (USCGS)				
2.	1P	12 06	Z	44.0	
	1S	06	E	52.2	
15 NOV.					
1.	1P	04 36	HEZ	39.0	
	D - 9.1°; 1012 kms H - 04 34 30.3 Lat. - 9.4°N, Long. - 126.3°E h - 62 kms., Mag. - 5.5 (CGS) (USCGS)				
2.	1P	15 54	Z, Z'	13.7	0.8
	D - 7.9°; 878 kms. H - 15 52 21.5 Lat. - 24.0°N, Long. - 122.2°E h - 42 kms., Mag. - 5.4 (CGS) (USCGS)				
3.	1P	22 04	Z	38.0	
	1S	04	HE	48.5	
4.	1S	23 36	E	33.5	
16 NOV.					
1.	1P	04 34	Z	03.0	
2.	1P	06 08	Z	38.0	1.0
	D - 47.7° H - 05 59 57.4 Lat. - 49.7°N, Long. - 78.0°E h - 0; Mag. - 6.0 (CGS) (USCGS)				

Nagato, November, 1964

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

16 NOV.

3.	1P	11	32	05.0	Z
	1S		32	30.0	E
4.	1P	11	39	07.5	NZ
	1S		39	32.8	E
5.	1P	12	00	09.0	Z
6.	1P	12	46	12.0	Z
7.	1P	13	23	56.0	Z
8.	1P	22	44	27.0	Z
	es		47	27.0	E'

D - 15.7°

H - 22 40 44.0

Lat. - 1.0°N, Long. - 118.8°E

 h - 33 kms., Mag. - 6.7 (CGS)
 (USCGS)

17 NOV.

1.	1P	07	35	35.5	Z
	1S		35	45.5	NE
2.	1P	08	22	48.0	Z, N'E'Z'
	es		28	59.0	E'

D - 37.3°

H - 08 15 39.6

Lat. - 5.7°N, Long. - 150.7°E

 h - 45 kms., Mag. - 6.7 (CGS), 7½ (PAS), 7 - 7½ (BRK)
 (USCGS)

3.	1P	09	39	26.0	Z
4.	1P	11	05	04.0	Z
5.	1P	17	44	42.0	Z

D - 17°

H - 17 40 57.4

H - 0.1°N, Long. - 122.2°E

 h - 160 kms., Mag. - 5.4 (CGS)
 (USCGS)

6.	1P	19	05	21.6	Z
	es		09	51.0	E'

D - 24°

H - 19 00 10.4

Lat. - 12.7°N, Long. - 144.9°E

 h - 43 kms., Mag. - 5.1 (CGS)
 (USCGS)

Baguio, November, 1964

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

18 NOV.

1. 1P 06 01 05.5 Z
 1S 01 10.0 E

2. 1(P) 07 51 36.0 Z

3. 1P 14 41 45.5 Z, Z'
 e(S) 47 04.0 H'
 D - 35.5°
 H - 14 34 54.5
 Lat. - 6.0°S, Long. - 146.2°E
 h - 49 kms., Mag. - 6.1 (CGS), 5 (BEK)
 (USCGS)

4. eP 22 32 37.0 Z, Z'
 eS 42 12.0 H'E'
 D - 74.3°
 H - 22 21 01.9
 Lat. - 20.2°S, Long. - 174.1°W
 h - 33 kms., Mag. - 5.8 (CGS)
 (USCGS)

19 NOV.

1. 1P 06 12 35.0 Z

2. 1P 07 15 54.5 Z

3. 1P 08 06 15.0 Z

4. 1P 23 42 20.0 Z'
 eS 48 06.5 E
 D - 37.7°
 H - 23 35 06.0
 Lat. - 6.0°S, Long. - 150.8°E
 h - 3 kms., Mag. 6.0 (CGS), 6 3/4 (PAS), 6 3/4 (BEK)
 (USCGS)

20 NOV.

1. 1P 00 02 28.0 Z
 D - 37.4°
 H - 23 55 06.8 (NOV. 19)
 Lat. - 6.9°S, Long. - 149.9°E
 h - 33 kms., Mag. - 5.6 (CGS)
 (USCGS)

2. 1P 03 37 22.0 Z
 1S 37 33.0 NE

3. 1P 17 40 47.8 MEZ 0.5 0.08
 1S 40 56.7 H

Baguio, November, 1964

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

20 NOV.
 4. 1P 18 22 06.3 Z
 5. 1(P) 19 10 23.0 Z
 6. eP 23 40 20.5 Z 0.7 0.25
 eS 46 07.0 N'E'
 D - 37.20
 H - 23 33 08.9
 Lat. - 44.60°N, Long. - 149.70°E
 h - 33 km., Mag. - 5.6 (CGS)
 (USCGS)
 7. 1P 23 58 47.0 Z 0.9 0.20
 D - 37.10
 H - 23 51 35.4
 Lat. - 44.60°N, Long. - 149.50°E
 h - 33 km., Mag. - 4.9 (CGS)
 (USCGS)

21 NOV.
 1. 1P 02 20 13.0 Z,N'Z'
 D - 15.80
 H - 02 16 44.5
 Lat. - 1.00°N, Long. - 124.00°E
 h - 248 km., Mag. - 5.8 (CGS)
 (USCGS)
 2. 1P 13 29 24.2 Z
 D - 7.90
 H - 13 27 34.0
 Lat. - 24.20°N, Long. - 122.40°E
 h - 60 km., Mag. - 4.8 (CGS)
 (USCGS)
 3. 1(P) 14 49 07.3 Z
 4. eP 15 39 28.0 Z,Z'
 eS 44 02.0 E'
 D - 24.0
 H - 15 34 13.2
 Lat. - 12.80°N, Long. - 145.20°E
 h - 35 km., Mag. - 5.2 (CGS)
 (USCGS)
 5. 1P 18 55 28.0 Z
 1S 56 01.0 E
 6. 1P 22 23 39.5 Z

Baguio, November, 1964

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

22 NOV.

1.	1P	02 48	38.5	Z		
2.	1P	05 53	43.0	Z		
	D - 37.5° H - 05 46 33.3 Lat. - 6.2°S, Long. - 150.4°E h - 47 kms., Mag. - 5.4 (CGS) (USCGS)					
3.	1P	06 16	14.5	Z		
4.	1P	09 30	10.5	Z	1.0	0.28
	es	34	14.0	E		
	D - 22.6° H - 09 25 15.8 Lat. - 3.4°S, Long. - 150.7°E h - 33 kms., Mag. - 5.4 (CGS) (USCGS)					
5.	1P	20 57	34.0	Z		
6.	1P	22 36	07.0	Z		

23 NOV.

1.	1P	03 29	38.0	Z		
2.	1P	03 47	18.8	Z		
	1S	47	41.5	E		
3.	1P	22 19	42.5	Z, Z'		
	D - 17.0° H - 22 15 47.0 Lat. - 0.1°S, Long. - 124.5°E h - 66 kms., Mag. - 5.7 (CGS) (USCGS)					

24 NOV.

1.	1P	01 46	04.7	Z		
2.	1P	10 47	05.8	Z		
	D - 26.8° H - 10 41 33.5 Lat. - 6.8°S, Long. - 107.4°E h - 125 kms., Mag. - 6.0 (CGS) (USCGS)					
3.	1P	12 42	12.0	N'E'Z'		
	D - 5.2° H - 12 40 51.4 Lat. - 13.1°N, Long. - 124.7°E h - 5 kms., Mag. - 6.1 (CGS), 6 ₁ (PAS), 5 ₁ - 6 (BRK) (USCGS)					

Dagui, November, 1964

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 Date : Phase : Time (MT) : Comp. : Z_m (sec) : A_m (micron)

24 NOV.

4.	1P	14 58	26.0	Z
5.	1P	15 11	09.0	Z
6.	1P	16 28	47.0	Z
7.	1P	17 22	55.0	Z
8.	1P	20 53	45.7	Z
	1S	53	59.0	NE
9.	1P	21 33	33.5	Z
	D - 5.1 ⁰ H - 21 32 20.6 Lat. - 13.3 ⁰ N, Long. - 124.7 ⁰ E h - 63 km., Mag. - 4.9 (CGS) (USCGS)			
10.	1P	22 48	14.0	Z
	1S	48	35.0	NE

25 NOV.

1.	1P	09 28	09.8	Z, Z'
	D - 20.8 ⁰ H - 09 24 08.9 Lat. - 4.3 ⁰ N, Long. - 122.2 ⁰ E h - 610 km., Mag. - 6.2 (CGS) (USCGS)			
2.	1P	09 34	32.5	Z
3.	1S	09 38	15.5	N
4.	1P	13 10	58.5	Z
5.	1P	19 40	50.3	Z
	1S	41	00.2	NE

26 NOV.

1.	1P	02 57	05.0	Z
	1S	57	58.0	E
2.	1P	10 23	10.2	Z
	D - 8.5 ⁰ H - 10 21 07.2 Lat. - 24.9 ⁰ N, Long. - 122.0 ⁰ E h - 33 km., Mag. - 5.4 (CGS), 6 - 6.1 (PAI) (USCGS)			



Lat. $9^{\circ}N$, Long. $-122.0^{\circ}E$
Mag. -5.2 (CGS)

4.	1P	19	27	18.5	Z		
27 NOV.							
1.	1P	05	43	21.4	Z	1.0	0.12
	D = 38.70 H = 05 36 01.5 Lat. $-45.2^{\circ}N$, Long. $-150.9^{\circ}E$ h = 33 kms., Mag. -5.1 (CGS) (USCGS)						
2.	1P	07	58	34.5	Z		
3.	1P	09	13	32.0	Z		
4.	1P	10	40	24.5	Z		
5.	1P	13	53	18.5	Z	1.0	0.56
	D = 27.10 H = 13 47 42.7 Lat. $-37.9^{\circ}N$, Long. $-138.3^{\circ}E$ h = 36 kms., Mag. -5.5 (CGS) (USCGS)						
28 NOV.							
1.	1P	12	04	37.5	Z		
	1S		04	59.0	N		
2.	1P	19	01	07.8	Z		
	1S		01	26.0	N		
3.	1P	20	01	58.0	Z		
4.	1(P)	21	35	33.0	Z		
29 NOV.							
1.	1P	10	56	44.0	NZ		
	1S		57	00.7	N		
2.	1P	14	48	00.5	Z		
	1S		48	13.2	N		
3.	1P	17	34	29.3	Z		

Buglio, November, 19

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 Date : Phase : Time (GMT) : Comp. : T₀(sec) : A₀(micron)

29 NOV.

4. 1(P) 20 45 48.0 Z
 1S 46 02.8 H
 5. 1P 21 01 50.0 Z 0.9 0.23
 D - 24.0°
 H - 20 56 39.2
 Lat. - 31.0°N, Long. - 141.2°E
 h - 33 kms., Mag. - 4.9 (CGS)
 (USCGS)

6. 1P 21 50 37.5 EZ
 1S 50 40.0 NEZ

30 NOV.

1. 1P 06 26 01.0 NZ,Z'
 D - 2.65°
 H - 06 25 15.7
 Lat. - 13.6°N, Long. - 120.7°E
 h - 203 kms., Mag. - 4.9 (CGS)
 (USCGS)

2. 1P 08 16 48.5 Z

3. 1P 12 33 21.5 Z,Z'
 1S 38 01.0 H'
 D - 27°
 H - 12 27 38.6
 Lat. - 6.8°N, Long. - 94.8°E
 h - 33 kms., Mag. - 5.7 (CGS), 6 $\frac{3}{4}$ - 6 3/4 (PAL)
 (USCGS)

4. 1P 17 36 18.8 Z
 1S 36 28.5 NE

Baguio, December, 1964

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

Date	Phase	Time (GMT)	Comp.	T ₂ (sec)	A ₂ (micron)
1 DEC.					
1.	eP	05 04 23.0	Z'	1.2	0.24
	D - 72.2° H - 04 53 23.9 Lat. - 18.9°S, Long. - 175.8°W h - 232 kms., Mag. - 5.5 (CGS) (USCGS)				
2.	iP	05 25 22.5	Z	0.8	0.11
3.	iP	06 21 20.0	Z		
	iS	21 33.0	E		
4.	iP	07 06 39.8	EZ		
	iS	06 50.0	NE		
5.	iS	09 23 34.0	N		
6.	iP	13 14 07.5	Z		
	D - 3.2°; 356 kms. H - 13 13 17.0 Lat. - 13.4°N, Long. - 119.5°E h - 179 kms., Mag. - 5.0 (CGS) (USCGS)				
7.	i(P)	13 39 08.5	Z		
	i(S)	39 21.5	N		
8.	iP	13 52 00.8	Z		
	iS	52 13.0	E		
2 DEC.					
1.	iP	04 27 12.8	Z		
	iS	27 34.0	NEZ		
2.	iP	05 50 51.0	NEZ		
	iS	51 05.5	E		
3.	iP	10 16 53.5	Z	1.0	0.24
4.	iP	13 18 17.3	Z		
5.	iP	13 29 23.0	Z		
6.	iP	14 18 05.5	Z		
7.	iP	21 05 03.0	Z		
	iS	05 14.5	NE		

Buglio, December, 1964

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

3 DEC.

1.	oP	04	00	17.0	Z'		
	oS		08	41.0	E'		
	D - 62°						
	H - 03 50 01.2						
	Lat. - 15.0°S, Long. - 66.8°E						
	h - 46 kms., Mag. - 6.1 (CGS)						
	(USCGS)						
2.	1P	04	54	35.5	Z		
3.	1(P)	14	26	03.3	Z		
4.	1P	22	46	33.0	Z		

4. DEC.

1.	1P	02	25	48.5	Z		
	1S		26	01.5	E		
2.	oP	15	55	55.0	Z'		
	oS	16	01	48.5	E'		
	D - 37.8°						
	H - 15 48 43.4						
	Lat. - 6.4°S, Long. - 150.7°E						
	h - 19 kms., Mag. - 5.2 (CGS)						
	(USCGS)						
3.	1S	21	19	31.8	NE		
4.	1P	23	20	10.7	Z		
	1S		20	13.5	NE		

5 DEC.

1.	1P	05	09	00.5	NE	0.7	0.17
2.	1(P)	09	31	02.3	Z		
3.	1P	19	59	16.0	Z		
	1S		59	20.0	NEE		
4.	1P	21	09	28.3	NEE	0.5	0.39
	1S		09	49.5	NE		
5.	1P	22	34	32.0	Z		
6.	1(P)	23	03	54.5	Z		

Bugie, December, 1964

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

6 DEC.

1.	1P	00 00	26.5	Z		
2.	1P	00 04	48.0	Z		
3.	1P	03 18	30.0	Z		
	1S	18 18	41.0	NE		
4.	oP	04 32	44.0	Z'		
	e(S)	37	23.0	E'		
	D - 26.0°					
	H - 04 27 16					
	Lat. - 2.3°S, Long. - 138.3°E					
	h - 33 kms., Mag. - 5.0 (GGS)					
	(USCGS)					
5.	1P	05 02	15.0	NEZ		
	1S	02 02	26.0	NE		
6.	1P	05 06	04.5	Z		
	1S	06 06	18.0	NE		
7.	oP	08 24	08.0	Z'		
	D - 74.0°					
	H - 08 12 49.3					
	Lat. - 23.8°S, Long. - 176.1°W					
	h - 209 kms., Mag. -					
	(USCGS)					
8.	1S	11 25	51.5	NE		
9.	1P	23 45	30.3	Z		
	1(S)	45	51.5	E		

7 DEC.

1.	1P	03 40	14.0	NE		
	D - 4.8°, 534 kms.					
	H - 03 39 04.1					
	Lat. - 12.0°N, Long. - 122.3°E					
	h - 40 kms., Mag. - 5.2 (GGS)					
	(USCGS)					
2.	1P	09 05	52.8	Z	1.5	2.09
	eS	11	38.0	E'		
	D - 37.8°					
	H - 08 58 43.8					
	Lat. - 5.4°S, Long. - 151.3°E					
	h - 54 kms., Mag. - 5.8 (GGS), 6 3/4 (PAS), 5 1/2 - 5 3/4 (BRK)					
	(USCGS) 6 (PAL)					

Baguio, December, 1964

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

3.	1P 1S	11 43	32.0 42.8	NE N		
4.	1S	14 50	06.5	NE		
5.	eP D - 33.0° H - 15 43 29.7 Lat. - 5.1°S, Long. - 145.9°E h - 219 kms., Mag. - 5.0 (GGS) (USGS)	15 49	44.0	Z, Z'	1.5	0.38
6.	1(P) 1S	16 38	09.5 30.0	Z E		
7.	1P D - 25.3° H - 19 31 35. Lat. - 7.6°S, Long. - 128.0°E h - 144 kms., Mag. - (USGS)	19 36	44.0	Z		

8 DEC.

1.	1S	08 26	44.0	NE		
2.	1P 1S	09 23	42.0 56.5	NZ NE		
3.	1(P) 1S	10 09	39.0 07.5	Z N		
4.	1P 1S	16 37	52.0 02.5	NEZ E		
5.	eP eS D - 24.5° H - 17 49 46.3 Lat. - 34.7°N, Long. - 139.2°E h - 31 kms., Mag. - 5.2 (GGS), 4 3/4 - 5 (NEK) (USGS)	17 55	04.0 26.0	Z' N'		

9 DEC.

1.	1P D - 34.0° H - 06 42 32 Lat. - 43.1°N, Long. - 145.2°E h - 39 kms., Mag. - 4.8 (GGS) (USGS)	06 49	09.0	Z	0.8	0.10
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Baguio, December, 1964

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

2.	PKP	13 54	44.0	Z'		
	D - 168.5°					
	H - 13 35 42.4					
	Lat. - 27.5°S, Long. - 63.2°W					
	h - 586 kms., Mag. - 5.9 (CGS), 6 (PAS), 5 - 5½ (BRK), 6½ (PAL) (USCGS)					
3.	1P	14 58	03.5	NZ		
	1(S)	58	49.2	E		
4.	1P	20 38	07.0	NZ		
	1S	38	20.5	H		
5.	1P	20 43	01.0	Z		
6.	1P	22 55	04.5	Z		
	D - 13.5°					
	H - 22 51 45					
	Lat. - 4.7°N, Long. - 126.9°E					
	h - 33 kms., Mag. - 4.8 (CGS) (USCGS)					

10 DEC.

1.	1S	03 53	16.5	NE		
2.	1P	15 17	01.0	Z, Z'		
	eS	21	48.0	H'		
	D - 29.0°					
	H - 15 11 05.5					
	Lat. - 40.4°N, Long. - 138.9°E					
	h - 33 kms., Mag. - 6.0 (CGS), 5 3/4 - 6 (BRK), 6 (PAL) (USCGS)					
3.	1P	20 31	13.5	Z	1.1	0.07
4.	1(P)	22 54	30.0	Z		
5.	eP	23 36	48.0	Z'		
	D - 38.8°					
	H - 23 30 51.4					
	Lat. - 40.2°N, Long. - 139.0°E					
	h - 39 kms., Mag. - 5.4 (CGS) (USCGS)					

11 DEC.

1.	1P	03 52	11.0	Z		
2.	1P	05 27	14.0	Z		
3.	1P	05 36	22.0	Z		

Baguio, December, 1964

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 Date : Phase : Time (GMT) : Comp. : T_m(sec) : A_m(micron)

11 DEC.

4.	1P	06 48	29.5	Z
5.	1P	06 49	54.0	Z
6.	1P	07 01	29.5	Z
	1S	01	40.0	NE
7.	1P	07 17	15.7	Z
8.	1P	16 09	29.0	Z
9.	1P	16 10	58.5	Z
	1S	11	10.0	NE
10.	1P	21 23	15.6	NEZ
	1S	23	25.0	E
11.	1P	22 48	19.8	Z

D - 25°
 H - 22 42 59.4
 Lat. - 6.3°S, Long. - 131.2°E
 h - 47 kms., Mag. - 5.8 (CGS)
 (USCGS)

12 DEC.

1.	1P	07 27	12.5	Z
	1S	32	04.0	E'
D - 38.1° H - 07 20 00.0 Lat. - 6.9°S, Long. - 150.6°E h - 33 kms., Mag. - 5.9 (CGS) (USCGS)				
2.	1P	14 38	23.5	Z
	1S	38	49.0	NE
3.	1P	15 31	05.0	Z
	1S	31	28.0	NE
4.	1P	23 14	30.0	Z
5.	1P	23 15	57.5	Z
	1S	16	11.5	N

13 DEC.

1.	1P	01 47	39.0	Z
	1S	47	52.0	NE
2.	1P	02 13	25.5	Z
	1S	13	40.0	E

Baguio, December, 1964

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

13 DEC.

3.	1P	13 16	47.0	Z		
	D - 3.9°, 434 kms.					
	H - 13 15 49.8					
	Lat. - 20.1°N, Long. - 122.0°E					
	h - 33 kms., Mag. - 4.8 (CGS)					
	(USCGS)					
4.	1P	13 44	42.2	Z		
	1S	45	23.8	N		
5.	1P	14 23	29.8	Z		
	1S	24	19.5	N		
6.	1P	14 33	33.0	Z	0.8	0.13
	D - 38.0°					
	H - 14 26 15					
	Lat. - 45.2°N, Long. - 150.4°E					
	h - 33 kms., Mag. - 4.8 (CGS)					
	(USCGS)					
7.	1P	15 31	22.0	Z		
8.	1P	16 38	10.0	Z		
	1S	38	59.0	N		
9.	1P	16 46	30.0	Z		
10.	1P	17 05	20.0	Z		
	1S	05	37.8	N		
11.	1(P)	20 09	04.0	Z		
12.	1(P)	21 14	52.8	Z		
13.	1(P)	21 24	46.5	Z		
14.	1(P)	22 55	00.0	Z		

14 DEC.

1.	1P	05 45	41.0	Z		
	1S	45	53.5	N		
2.	1P	07 38	47.5	Z		
3.	1(P)	12 40	04.0	Z		
4.	1P	16 32	38.0	Z		
5.	1P	19 13	12.5	Z		

Baguio, December, 1964

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

15 DEC.

1. IP 04 24 34.0 Z

2. IP 05 10 01.8 Z

D - 16.3°
 H - 05 06 22.8
 Lat. - 2.3°N, Long. - 126.6°E
 h - 45 kms., Mag. -
 (USCGS)

3. IP 13 47 38.5 Z

16 DEC.

1. IP 03 58 02.5 Z

es 04 00 12.0 E'

D - 11.5°
 H - 03 55 17.4
 Lat. - 6.0°N, Long. - 125.3°E
 h - 121 kms., Mag. - 5.6 (CGS)
 (USCGS)

2. i(P) 07 42 15.0 Z

3. i(P) 14 13 49.0 Z

4. IP 18 27 38.0 Z

D - 3.9°, 434 kms.
 H - 18 26 39.0
 Lat. - 20.1°N, Long. - 121.9°E
 h - 19 kms., Mag. - 4.4 (CGS)
 (USCGS)

5. IP 18 36 01.0 Z

6. IP 19 30 53.5 Z

D - 8.5°, 945 kms.
 H - 19 28 50.0
 Lat. - 24.8°N, Long. - 122.4°E
 h - 61 kms., Mag. - 4.8 (CGS)
 (USCGS)

7. eIP 23 41 29.3 Z
 18 41 49.3 NE

0.5 0.09

17 DEC.

1. IP 02 07 56.3 Z
 18 08 07.5 NE

2. i(P) 05 08 31.2 Z

Hague, December, 1964

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

17 DEC.

3.	1P	05 25	54.0	Z	0.8	0.51
	D - 37.8°					
	H - 05 18 34.8					
	Lat. - 45.4°N, Long. - 150.1°E					
	h - 17 km., Mag. - 5.3 (GGS)					
	(USGGS)					
4.	1P	07 00	21.0	Z		
	1S	00	43.5	H		
5.	1P	15 45	21.1	Z		
	1S	45	38.8	HE		
6.	1P	18 17	26.7	Z		
	1S	17	37.5	B		
7.	1P	18 52	25.0	HE		
8.	1P	20 36	53.8	HEX		
9.	op	23 54	45.0	Z, Z'		
	D - 59.5°					
	H - 23 44 46.2					
	Lat. - 51.4°N, Long. - 177.9°W					
	h - 57 km., Mag. - 5.5 (GGS), 4 3/4 (HEX), 5 1/2 - 5 1/2 (PAL)					
	(USGGS)					

18 DEC.

1.	1(P)	03 56	21.0	Z		
2.	1P	06 10	01.0	Z		
3.	1P	06 11	06.5	Z		
4.	1P	07 55	40.0	Z		
	1S	55	50.0	E		
5.	1P	11 31	58.0	Z		
	1S	32	34.5	HE		

19 DEC.

1.	1(P)	02 06	46.5	Z		
2.	1P	03 30	18.5	Z		
3.	1(P)	10 21	39.0	Z		
4.	1P	16 32	45.5	Z		
	1S	33	00.0	E		

Bagnio, December, 1964

Date	Phase	Time (GMT)	Comp.	T_H (sec)	A_H (micron)
20 DEC.					
1.	1P	08 11 49.2	Z	0.7	0.05
2.	1P	13 37 40.0	Z	0.9	0.20
	D - 28.2° H - 13 31 54.7 Lat. - 37.9°N, Long. - 141.6°E h - 40 kms, Mag. - 4.9 (CGS) (USCGS)				
3.	1S	14 48 06.8	NEZ		
4.	1P	21 30 49.7	Z		
	1S	31 09.2	NE		
21 DEC.					
1.	1P	03 02 18.5	NEZ		
	1S	02 30.8	NEZ		
2.	e(P)	07 21 09.0	Z'		
3.	1P	07 36 22.5	Z	1.2	0.22
	D - 40.5° H - 07 28 48.1 Lat. - 5.9°S, Long. - 154.3°E h - 40 kms., Mag. - 4.3 (CGS) (USCGS)				
4.	1P	14 57 38.0	Z	0.5	0.18
	1S	57 48.8	N		
5.	1P	19 24 33.5	Z		
	D - 5.1°, 567 kms. H - 19 23 21 Lat. - 13.0°N, Long. - 124.5°E h - 33 kms., Mag. - 5.5 (CGS) (USCGS)				
6.	1P	20 20 08.5	Z		
	1S	20 12.8	NE		
7.	1P	22 24 54.0	Z		
	1S	25 06.0	NEZ		
22 DEC.					
1.	1P	02 04 12.5	Z		

Maguis, December, 1964

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

22 DEC.

1.	1P	02 04	12.5	Z		
2.	1P eS	04 46 54	37.0 48.0	Z, Z' N, N'		
	D - 60° H - 04 36 34.7 Lat. - 26.2°N, Long. - 57.0°E h - 42 kms., Mag. - 5.5 (CGS), 5 1/2 - 5 3/4 (PAL) (USCGS)					
3.	1P	08 20	34.0	Z		
4.	1P	12 08	24.0	Z	1.0	0.34
5.	1P	18 30	19.0	Z		
6.	e(P)	21 22	43.0	Z'		
7.	1P	22 56	07.0	Z		

23 DEC.

1.	1P	00 21	50.7	Z		
2.	1P	02 49	41.5	Z		
3.	1P 1S	03 20 21	52.0 03.3	Z NE		
4.	1P 1S	04 11 11	36.0 51.5	Z Z		
5.	1(P)	05 26	47.5	Z		
6.	1P	07 08	14.0	Z		
7.	1P	07 16	17.5	Z		
8.	1P	07 41	18.2	Z		
	D - 25.9° H - 07 36 02.9 Lat. - 7.1°S, Long. - 129.4°E h - 111 kms., Mag. - 5.0 (CGS) (USCGS)					
9.	1P	09 07	23.0	Z		
10.	1P	15 22	25.5	Z		

Magpie, December, 1964

.....
 Date : Phase : Time (GMT) : Comp. : T_H(sec) : A_H(micron)

23 DEC.
 11.

1P 19 51 59.5 Z
 D - 16.7°
 H - 19 47 59.3
 Lat. - 30.3°N, Long. - 131.1°E
 h - 33 kms., Mag. - 5.4 (CGS)
 (USCGS)

24 DEC.
 1.

1P 18 52 59.0 Z, Z'
 OS 18 49.0 H'
 D - 30.7°
 H - 18 45 45.5
 Lat. - 4.4°S, Long. - 153.1°W
 h - 93 kms., Mag. - 6.1 (CGS)
 (USCGS)

2. 1P 19 24 17.3 Z

3. 1P 22 36 00.0 Z
 1S 36 12.8 W

25 DEC.

1. 1P 01 22 19.8 Z

2. 1P 07 26 15.8 Z
 1S 26 27.0 E

3. 1P 10 35 31.8 Z

4. 1P 12 50 49.5 Z
 1S 50 53.5 NEZ

5. eP 13 36 26.5 Z

6. e(P) 17 07 04.5 Z'
 D - 25.2°
 H - 17 01 32.2
 Lat. - 34.8°N, Long. - 139.3°E
 h - 33 kms., Mag. - 5.1 (CGS)
 (USCGS)

26 DEC.

1. 1P 03 07 07.0 NEZ

2. 1P 11 27 08.5 Z

3. 1P 12 27 47.5 NEZ 1.0 1.56

Magis, December, 1964

Date	Phase	Time (GMT)	Comp.	T _g (sec)	A _g (microns)
26 DEC.					
4.	eIP	14 38 36.0	Z	1.0	0.48
	eS	45 08.0	N'E'		
	D - 45.7°				
	H - 14 30 29.1				
	Lat. - 51.0°N, Long. - 156.8°E				
	h - 136 kms., Mag. - 5.7 (CGS), 6 (MEX), 5 (PAL)				
	(USCGS)				
5.	IP	18 39 24.5	Z		
27 DEC.					
1.	IP	01 59 16.0	Z		
	IS	59 56.5	N		
2.	IP	17 18 54.6	MEX, N'E' Z'		
	IS	19 04.0	N'E'		
3.	IP	17 44 44.0	N'E' Z'		
	D - 5.8°				
	H - 17 43 21.4				
	Lat. - 12.9°N, Long. - 125.4°E				
	h - 33 kms., Mag. - 5.9 (CGS), 5½ - 5½ (PAL)				
	(USCGS)				
4.	IP	19 47 58.6	Z		
5.	IS	21 09 57.0	NE		
28 DEC.					
1.	IP	08 39 27.5	MEX		
	IS	39 38.5	N'		
2.	IP	16 26 23.7	Z		
	eS	34 50.0	E'		
	D - 71°				
	H - 16 16 10.0				
	Lat. - 22.1°S, Long. - 179.6°W				
	h - 611 kms., Mag. - 6.2 (CGS), 6½ - 6½ (PAS)				
	(USCGS)				
3.	eP	17 16 19.0	Z		
29 DEC.					
1.	IP	04 06 12.0	Z		
2.	IP	05 32 37.0	Z		
3.	IP	17 16 58.2	Z		

Magpie, December, 1964

Date	Phase	Time (GMT)	Comp.	T_m (sec)	A_m (micron)
29 DEC.					
4.	1P	19 47	Z	30.0	
	1S	47	H	49.2	
5.	1S	20 17	HEZ	43.0	
6.	1P	21 39	Z	00.5	
30 DEC.					
1.	1(P)	05 55	Z	52.5	
	1S	56	HEZ	08.0	
2.	1P	11 46	Z	03.0	
3.	1(P)	13 13	Z	33.0	
4.	1P	15 32	Z, Z'	04.0	
	D - 22.50 H - 15 27 25.8 Lat. - 31.9°N, Long. - 138.8°E h - 261 kms., Mag. - 5.4 (CGS) (USCGS)				
5.	1P	15 39	Z	03.0	
6.	1P	21 41	Z	18.5	
7.	1P	21 58	Z	46.0	
	1S	59	HE	00.7	
8.	1P	22 33	Z	55.2	
	1S	34	HEZ	09.8	
31 DEC.					
1.	1P	01 51	Z	29.0	
2.	1P	12 54	Z	12.0	
3.	1P	12 55	Z	36.0	
4.	1P	16 30	Z	27.5	
5.	1P	19 42	Z	59.0	
6.	1P	20 01	Z	16.5	
	1S	01	H	38.0	
7.	1P	23 20	Z	45.0	
	D - 38.70 H - 23 13 30.9 Lat. - 4.6°S, Long. - 153.0°E h - 77 kms., Mag. - 5.1 (CGS) (USCGS)				
					1.0 0.24