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1.

3.

Our Angle Decline
End

our Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

DAVID DUNLAP OBSERVATORY
 74" LOGBOOK
 VOL. 9
 PLATE NOS. 6327-7116
 NOV 1940 - SEPT 1941

Ending Time
E.S.T.

Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

0⁰⁸ W 12 12 : 2 6.95 BB 1-2-1

2⁰⁵ W 30 51 " 2 7.40 BS 1-2-1

1¹⁰ W 32 53 2-1 6.66 Ao 1-2-1

Light clouds, more clouds, sky thickening.
Clear again, light clouds, more clouds.

		MC	SC	SW	MT	ST
Nov.	19 10	+27.2	-1.26.0	+24.8	-23.8	-0.1 ^m
	20 12	+29.6	-1.05.6	+26.0	-27.0	-0.1 ^m
	21 10	+29.4	-1.05.6	+26.3	+13.0 ^s	+0.2 ^m
					Result.	
	23 09	+31.3	-1.04.0	+28.5	+06.3	-0.1 ^m
					1/2 turn >	
	25 10	+33.7	-1.04.1	+35.5	+04.5 ^s	-0.3 ^m

7

Date Monday, Nov 25-26, 1940, M-L Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature B	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6330	HD. 199355	20 51.6	42 08	I-12	Astria II	.010	-0.2	17 43	19 33	4
-6331	BD. 630110	00 48.6	163 33	-	-	.025 _L	0.0	19 40	23 16	1
-6332	HD 32419	4 58.0	41 09	-	-	.020 _L	0.0	23 29	02 49	2
			Nov 28-29	Bs-B	Mostly cloudy					
			Dec 0-1	M-Bs	Heavy snowstorm. Quite clear at 3 ⁰⁰ ; brushed snow from cloudy at 03 ⁰⁰ ps: flash; L					

Pointer at 20.58

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																																																	
9 33		42 17	0	6.87	B9	1-2-1																																																	
23 16	2 47 W	63 45	1	9.1		1/2-1-1/2 a little hazy																																																	
2	1 51 W	41 10	1	8.9	A0	1/2-1-1/2 Hazy, about 150, clouds, haze, more clouds. Waited, cleared once for about 20 mins then clouded up solidly. Closed at 4:00																																																	
tel. & found ^{done} shutters would only open about 15" needs new bulb, which I could not find.																																																							
<table border="0" style="width:100%; text-align:center;"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Nov. 26</td> <td>10</td> <td>+35.0</td> <td>-1 03.9</td> <td>+39.3</td> <td>+07.^s0</td> <td>-0.2^m</td> </tr> <tr> <td>Nov. 27</td> <td>10</td> <td>+36.6</td> <td>-1 03.6</td> <td>+43.1</td> <td>+03.2</td> <td>-0.3^m</td> </tr> <tr> <td colspan="7">1/2 turn to R</td> </tr> <tr> <td>Nov. 28</td> <td>10</td> <td>+38.0</td> <td>-1 03.7</td> <td>+04.9</td> <td>-00.6^s</td> <td>+0.1^m</td> </tr> <tr> <td colspan="7">Result 1/2 turn to R</td> </tr> <tr> <td>Nov. 29</td> <td>10</td> <td>+39.1</td> <td>-1 03.1</td> <td>-03.4</td> <td>-05.7^s</td> <td>+0.0^m</td> </tr> </table>									MC	SC	SW	MT	ST	Nov. 26	10	+35.0	-1 03.9	+39.3	+07. ^s 0	-0.2 ^m	Nov. 27	10	+36.6	-1 03.6	+43.1	+03.2	-0.3 ^m	1/2 turn to R							Nov. 28	10	+38.0	-1 03.7	+04.9	-00.6 ^s	+0.1 ^m	Result 1/2 turn to R							Nov. 29	10	+39.1	-1 03.1	-03.4	-05.7 ^s	+0.0 ^m
		MC	SC	SW	MT	ST																																																	
Nov. 26	10	+35.0	-1 03.9	+39.3	+07. ^s 0	-0.2 ^m																																																	
Nov. 27	10	+36.6	-1 03.6	+43.1	+03.2	-0.3 ^m																																																	
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Result 1/2 turn to R																																																							
Nov. 29	10	+39.1	-1 03.1	-03.4	-05.7 ^s	+0.0 ^m																																																	

Date Sunday, Dec 1-2, 1940 B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Est.	D
	Wrong Star										
-6333	H.D. 211474	22 12.2	+29 35	T-12 1/2	Astron II	.010	-3.8	17 45	19 55	3	2" W 2
6334	3924	00 36.7	+58 13	"	"	"	-4.4	20 06	20 38	4	1" W 3
6335	6676	01 02.4	+57 44	"	Astron VII	"	-4.3	20 44	(22 00)	1	1" W 5
Monday, Dec 2-3, 1940 M-L											
Light snow early in evening. Stars appeared occasionally but cloudy											

Strength of star stopped
while being carried. First
MT by personal watch.

Pointer at 16.8

p.10

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS							
9:55	2 ¹⁰ W	29 45	1	7.57	B ₈	1-2-1	for M 1700.30	10	MC +43	SC -102.6	SW +18.8	MT -09.4	ST -0.0
10:08	0 ²⁸ W	58 26	1	6.11	B ₉	1-2-1	for M						
10:24	1 ⁵⁴ W	57 58	1	5.65	B ₈	3-6-3	for M + LG	clouds - closed shutters immediately closed completely later					
							Dec. 2	13	MC +45.5	SC -101.6	SW +02.3	MT -22.5	ST -0.3 Reset

but always have around, check at 21.00 hrs

11

Date

Monday Dec 2-3/40 L

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6336	H.D. 42476	06 5.8	17 24	I-12 $\frac{1}{2}$	Astron	set 010	-7.6	01 40	03 40	3
6337	" 72392	08 27.5	47 28	"	"	"	-7.5	03 50	05 06	1
6338	" 80652	09 15.9	17 02	"	"	"	-7.5	05 20	06 50	1
Tuesday December 3-4, 1940										
clear all day; clouded just before sunset. Partly clearing several times throughout, but always haze over most of sky. Very light moon.										

Pointer set at 13.95

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
3:40	2 ⁰² W	17 23	0	6.91	A ₀	1-2-1	seeing <u>vile</u>
4:06	1 ⁰⁶ W	47 22	0	6.62	A ₀	1-2-1	seeing <u>better</u>
4:11	2 ⁰³ W	16 52	0	6.93	A ₅	1-2-1	
							Dec 3 13 ² MC SC BW MT ST +47.4 -57.5 +0.7 ^s -26.2 ^s -0.3 ^m Added 0.5wt.
							Dec 4 10 +48.9 -57.5 05.2 -27.8 ^s -0.3 ^m 1/2 to R
							Dec 5 10 +50.2 -58.2 -02.2 26.7 -0.3 ^m

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Date 1940 Dec 5-6 Thursday Bs-B Julian Day 9969

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6339	HD 7019	61 55.5	+37 12	1-12	Astron II	.010	-4.6 ⁰ C	20 ³⁴	21 ³⁰	4
Friday Dec 6-7, 1940 M										
clear at sunset but haze up almost										
		Dec 7-8		Y-B	Thick altostratus; occ. snow flurries					
		12-13		Bs-B	Snow rain turning to sleet					

Snowflurries earlier. Clear at 19⁴⁵

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg.	Mag.	REMARKS																					
2 ⁰⁰	+1 ⁰³	+37° 26	0	5.70	B8	1-2-1 850 (H) Clouds 20 ⁵⁰ - 21 ³⁰ (Thin cirrus)																					
						Still cloudy 22 ³⁰ ; closed up																					
						<table border="0"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Dec. 6</td> <td>10</td> <td>+51.4</td> <td>-58.5</td> <td>-02.9</td> <td>+25.2</td> <td>-0.1^m</td> </tr> <tr> <td></td> <td></td> <td>added wt 1.0</td> <td></td> <td></td> <td></td> <td>Rest</td> </tr> </table>			MC	SC	SW	MT	ST	Dec. 6	10	+51.4	-58.5	-02.9	+25.2	-0.1 ^m			added wt 1.0				Rest
		MC	SC	SW	MT	ST																					
Dec. 6	10	+51.4	-58.5	-02.9	+25.2	-0.1 ^m																					
		added wt 1.0				Rest																					
1 ⁰⁰		immediately - remained thick																									

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Date Dec 13-14 Friday Y

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6340	HD 1279	00 11.9	+47 24	I-12	Acra II	010	-3.8		6 ¹⁵	

cf next page
where record is
handwritten of counts

Reading Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comps	REMARKS							
15 6-		47 39	0+	5.77	B9	1/2-	Dec. 7	10	MC +51.7	SC -58.0	BW -01.3	MT +01.3	ST -0.4	<div style="text-align: center;"> $\overbrace{\hspace{10em}}$ 1/4 turn to R </div>
)	10	+52.5	-57.4	+04.8	-50.5	-1.4	!!
							10	10	+52.7	-58.1	+08.3	-41.3	-1.1	1/4 turn to R V37. A
							11	10	+52.7	-58.8	+12.6	-35.0	-1.0	
							12	10	+53.0	-58.9	+13.2	-29.0	-0.9	
							13	10	+53.1	-59.3	+16.6	-22.8	-0.8	

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Date Dec 13-14 Friday Y-B Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
6340	HD 1279	00 11.9	+47 24	I-12	Ashbatt	010	-3.8	6 ¹⁵	8 ¹⁵	1	1 ¹² W
6341	" 27742	04 17.6	+20 45	"	"	"	-6.5	10 ⁰³	11 ³³		2 ³⁴ W
6342	" 33204	05 03.5	27.55	"	"	"	-6.7	11 ³⁸	0 ⁵⁸		1 ⁰⁵ W
6343	" 40626	05 55.0	49 55	"	"	"	-7.0	01 ⁰⁵	01 ⁵⁹	3	1 ¹⁴ W
6344	" 57646	07 17.1	52 0X ⁵	"	"	"	-6.9	02 ⁰⁷	04 ³⁷	4	2 ³¹ W
	Focus test	Outside thro	base					9-12			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
8 15	1 ^h 12 ^m W	47 39	0+	5.77	B9	^{Hd} 1/2-1/2-1/2 v.p. seeing, cirrus haze, (lamp o.k. in this exp.)
33	25 ^m W	20 52	0+	5.87	B8	^Y 1/2-1/2-1/2 v.p. " (but better)
58	1 05 W	27 58	0+	6.05	A3	^{Hd} 1/2-2-1/2 More clouds at 0.5
1 09	1 14 W	49 55	0	5.98	A0	1-2-1 B.S. Y Seeing better
1 10	2 31 W	52 00	0-1	6.98	K2	1-2-1 B.S. Y Clouds during last hour of exp. Still cloudy 5 15. Close up.

	MC	SC	SW	MT	ST
14	+53.1	-59.4	+18.8	-20.3	-0.7

19.

Date Saturday, Dec 14-15, 1940, M-Bs Julian Day 9978

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
- 6345	H.D. 221700	23 29.3	+7 22	I-12	astron II	.024L	-6.1	17 35	20 19	3
6346	14739	2 17.5	17 09	-	-	.010	-6.2	20 26	21 52	4
- 6347	32419	4 58.0	41 09	-	-	.020L	-6.2	21 59	01 ¹⁹	1
- 6348	RW Mon BD+8: 1402	06 29.3	+08 54	-	-	-	-6.2	01 ²⁵	04 ²⁵	3
<p>Sunday Dec. 15-16 B-L Opened up at sunset but clouds came before I set on any stars. Partly clear at 21^h</p>										
<p>Monday Dec 16-17, M-L Fog all afternoon cleared</p>										

Pointer at 15.28

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19 3	2 04 W	+ 7 37	3-1	9.2	A2 1/2-1-1/2	some light haze and curves
1 52	0 49 W	+1.7 18	2	7.32	A2 1-2-1	haze increasing - faint 22° halo around &
1	+1 ³⁵	41 13	3	8.9	A0 1/2-1-1/2	trouble with dome turning relay. light clouds over most of sky by 2310; clear 00 ³⁰
	+3 ¹²	+08 53	3	8.95	A 1/2-1-1/2	Veil of cirrostratus from 03 ¹⁰ . Image gone at 1

	MC	SC	BW	MT	ST
Dec. 16 10	+54.4	-59.3	+22.4	-06.0 ^s	-0.6 ^m

about 18.30 hrs. Telescope and last control too wet to attempt work

Dec. 17	¹³ 10	+51.0	-59.5	+24.3	+0.8 ^s -0.5 ^m
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2 1/2 hrs. 19.4

21

Date Tuesday December 17-18, 1940 H-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6349	HD 212670	22 20.9	^{17 57} (418 08)	J-12	astin II	^{set} 010	-4.0	17 22	18 38	3
6350	225093	23 58.3	+72 ³⁶ (47)	"	"	"	-4.1	18 45	20 15	4
6351	4666	00 43.6	+77 25	"	"	"	-4.1	20 20	21 07	1
6352	17591	02 44.3	+63 00	"	"	"	-4.0	21 14	22 24	3
6353	17818	02 46.5	+48 09	"	"	"	-4.2	22 27	23 27	4
6354	35815	05 22.3	+62 55	"	"	"	-4.1	23 45	01 15	1
6355	58917	07 22.6	+62 43	"	"	"	-4.1	01 22	02 10	3
6356	60406	07 29.2	+61 46	"	"	"	-4.1	02 25	04 00	4
6357	81702	09 22.2	+56 41	"	"	"	-4.1	04 07	05 07	1
6358	114446	13 05.5	+57 22	"	"	"	-4.1	05 15	06 55	3
			Dec 19-20	B ₃ -B	Cloudy					
			21-22	Y-B ₃	"	found S of D. stopped		reset;	SW	

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 43 W.	+18 08	0	7.40	K0	1½-1½-1½	KSA 90 Temp. read on new thermometer.
1 43 W	+72 52	1-2	7.58	A2	1½-1½-1½	KSA 2
1 49 W	+77 39	1-2	6.89	A5	1½-1½-1½	" 2
1 05 W	+63 12	2	7.50	G0	1½-1½-1½	" 9
2 07 W	+48 21	2	7.51	K0	1½-1½-1½	" 22
1 18 W	+62 57	2	7.46	A0	1½-1-1½	" 10 Time lost due to trouble with dome turning
0 22 W	+62 38	2	6.77	A0	1½-1-1½	" 11
1 57 W	+61 40	2	7.59	F5	1½-1-1½	" 11
1 12 W	+56 28	2-3	7.28	F2	1½-1-1½	" 12
C 41 E	+57 09	2	7.51	F8	1½-1-1½	" 14

		MC	SC	SW	MT	ST
Dec. 18	14	+56.3	-59.1	+18.6	+07.0	±0.3
	19	+57.4	-59.1	+20.2	+12.4	±0.3
	20	+58.3	-58.9	+22.6	+18.0	-0.2
	21	+59.3	-58.5	+25.7	+21.2	-0.1
	22	+1 ^m 00	-1 ^m 00	+21 ^s	+38 ^s	-1 ^m .4

still running but needed winding

25

Date Monday, Dec 23-24, 1940, M-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
							8			
6363	HD 221700	23 29.3707	22	I-12	Astron II	.025 _L	+0.3	17 39	20 59	1
- 6364	32419	4 58.041	09	-	-	.020 _L	+0.3	21 11	00 11	3
- 6365	BD 8 1402	06 29.3708	57	"	"	"	+0.2	01 00	04 00	4
6366	HD 93847	10.44.9	56 46	"	"	.010	+0.2	04 08	05 42	1
6367	" 97244	11 06.5	14 56	"	"	"	+0.2	05 46	06 46	3
<p>Tuesday, December 24-25, 1940 H.</p> <p>Cloudy most of day; thinning out at sunset. Partly clear, but hazy several short intervals in early evening.</p>										

Wiped water out of 5 sockets of the centre piece before starting.

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Pointer at 20.86
3 21 W	7 37	0	9.2	A2	$\frac{1}{2} - \frac{1}{2} - \frac{1}{2}$	
1 ⁰² W	41 12	2	8.9	A0	$\frac{1}{2} - 1 - \frac{1}{2}$	Trace and light clouds to west end.
3 ²² W	08 52	2	8.95	A	$\frac{1}{2} - 1 - \frac{1}{2}$	Sky cloudy, waited till 1.00 before starting.
0 ⁴⁹ W	56 33	2	7.32	B9	$1\frac{1}{2} - 1 - 1\frac{1}{2}$	K.S.A. 13 Haze
1 ³² W	14 42	2	6.43	A5	$1\frac{1}{2} - 1 - 1\frac{1}{2}$	" 79 Haze
						Spots around Tuesday afternoon.

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Date Tuesday, December 24-25, 1940 - H Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
6368	HD 5596	00 52.6	+45 03	I-12	Astra II	^{Sat} 010	+0.3	19 28	21 25
6369	17922	02 47.7	+42 11	"	"	"	+0.7	20 32	21 42
6370	21794	03 25.7	+57 32	"	"	"	+0.8	21 45	22 25
6371	31151	04 48.3	+61 36	"	"	"	+0.7	22 29	23 37
6372	34904	05 15.7	+40 56	"	"	"	+0.7	23 42	0 32

Hour Angle
End

1 31W +

0 48W +

0 33W +

0 43W +

0 44W +

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1 30W	+45 16	3-4	7.25	A3	1-2-1	KSA 20 Haze, some twinkling.
0 48W	+42 21	4	7.43	F5	1-2-1	" 22 Haze
0 53W	+57 42	3	6.83	F5	1-2-1	" 9 Clearing; cool N wind; seeing better
0 43W	+61 41	3-2	7.46	G0	1-2-1	" 10 Image small but steady
0 41W	+40 58	2	5.65	A3	1-2-1	B5C " " " "

Merry Christmas!

29

Date Wednesday Dec. 25-26/40 L Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6373	H.D. 44071	^{14.7} 06 14.8	²⁵ 29 35	I-18 ¹	Astrall	Sel .010	+4.5	00 ³⁰	02 ¹⁰	1
			Dec 26-27	Bs-B	dense fog & drizzle					
		1940	Dec 28-29	M-Bs	Rain and mist.					
		1940	Dec 30-31	M-L	Snow.					
		1940	Dec 31- Jan 1-	H-L	cloudy all evening. Thinning but still hazy at 23 ³⁰ (over)					

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS																														
155 W	29 23	1	7.19	Fo	1 1/2 - 1 1/2 K.S.A. 50 Y clouds haze.																														
					sky remaining mostly thick. closed up (Before resetting) -1 05.5																														
					<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>S.T.</td> </tr> <tr> <td>Dec. 26</td> <td>9</td> <td>+1 05.6</td> <td>-1 08.0</td> <td>+28.5</td> <td>+05.5 +0.3^m</td> </tr> <tr> <td>30</td> <td>14</td> <td>+1 07.6</td> <td>-57.4</td> <td>+17.1</td> <td>+08.2 +0.5^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(would of done than once a week due to holiday) Reset</td> </tr> <tr> <td>31</td> <td>10</td> <td>+1 08.7</td> <td>-54.6</td> <td>-15.5</td> <td>+10.8 +0.6^m 1/2 t.l.A</td> </tr> </table>		MC	SC	SW	MT	S.T.	Dec. 26	9	+1 05.6	-1 08.0	+28.5	+05.5 +0.3 ^m	30	14	+1 07.6	-57.4	+17.1	+08.2 +0.5 ^m						(would of done than once a week due to holiday) Reset	31	10	+1 08.7	-54.6	-15.5	+10.8 +0.6 ^m 1/2 t.l.A
	MC	SC	SW	MT	S.T.																														
Dec. 26	9	+1 05.6	-1 08.0	+28.5	+05.5 +0.3 ^m																														
30	14	+1 07.6	-57.4	+17.1	+08.2 +0.5 ^m																														
					(would of done than once a week due to holiday) Reset																														
31	10	+1 08.7	-54.6	-15.5	+10.8 +0.6 ^m 1/2 t.l.A																														

P. 31



Happy New Year!

Date Tuesday Dec 31 - Jan 1 / 41



L Julian Day



Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6374	H.D. 74057	08 36.6	32 13	T- 12 1/2	Astra II	sel .010	0.0	01 08	02 48	3	0 3a W 3
6375	" 80390	09 14.4	57 08	"	"	"	0.0	02 55	04 00	4	1 09 W 5
6376	" 99983	11 25.1	57 17	"	"	"	0.0	04 08	05 32	1	0 30 W 5
6377	" 106053	12 07.1	78 00	"	"	"	0.0	05 40	06 44	3	1 W 7
		1941 Jan 2-3		Slect; continuing slat,							



Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS	
02 ⁴⁰ 3	0 ³⁴ W	32 04	0	7.54	F ₈	1 1/2 - 1 - 1 1/2	KSA. 52	(H) r.w.
04 ⁴⁰ 4	1 ⁰⁷ W	56 57	0-1	7.33	M _h	1 1/2 - 1 - 1 1/2	" 12	g
07 ⁴⁰ 1	0 ³⁰ W	57 03	0-1	7.24	F ₀	1 1/2 - 1 - 1 1/2	" 13	g
09 ⁴⁰ 3	1 ⁰¹ W	77 45	0-1	6.64	A ₀	1 1/2 - 1 - 1 1/2	" 5	g

Ending Time Z.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
9:00	3 ^m E	+36 57	0+	5.75	B9	1/2-1-1/2	BSC (Y) v p seeing
9:06	58 W	+3 25	0+	6.78	G5	1/2-1-1/2	BSC (Hd)
9:04	18 ^m W	+39 04	0+	5.97	A0	1/2-1-1/2	BSC shut off by thick sky (Y)
				5.90	B9		

	MC	SC	SW	MT ₃ ST _m	
1941 Jan. 2 10	+111.7 added 0.5	-54.6	-08.3	+12.4	+0.6
3 12	+112.2	-54.3	-04.5	+12.6	+0.6

Ending Time
L.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

Set on γ Aquilus first. focused and adjusted cross wires on finder.

Heavy bank of cloud came up just as got set on Comet. Didn't actually see it in finder.

R.A. Clamp heater is short circuiting at place where wire goes through tin. Curtain behaving very badly, particularly on way down.

Cross wires on finder are now slightly out of adjustment for normal position. It will be safest to set first on bright star when telescope next used.

Remained cloudy - Closed Chrome Plate Box in dome

Pointer at 20.61

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
						Cleared again shortly before 23 ^h												
02 ²⁴		-7 21	0-1	8.4	1/2-1/2-1/2													
02 ²¹	20 ¹ W	16 08	1	7.25	B ₉ 1-2-1	N.S.A. 77 Thick haze at 3 ⁰⁰ . Cleared later for												
03 ⁰²	1 ⁰⁵ W	29 00	1-2	6.98	A ₀ 1-2-1	" 55 for short time. Image gone at #27. Clear												
05 ⁰²	2 ⁰² W	47 09	1	6.59	F ₂ 1-2-1	" 334 again.												
						<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td colspan="2">NT ST</td> </tr> <tr> <td>Jan 4</td> <td>10</td> <td>+1 12.5</td> <td>-53.5</td> <td>-01.5</td> <td>+14.3 +0.6</td> </tr> </table>		MC	SC	SW	NT ST		Jan 4	10	+1 12.5	-53.5	-01.5	+14.3 +0.6
	MC	SC	SW	NT ST														
Jan 4	10	+1 12.5	-53.5	-01.5	+14.3 +0.6													
						Sat - cleaned snow off Tel.												
						Then snow & clouds -												
						Sunday - Mostly cloudy, snow flurries, and big winds												
						L Clearing and clouding alternately, light snow.												
						<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td>Jan. 6</td> <td>12</td> <td>+1 14.9</td> <td>-0 53.0</td> <td>-14.0</td> <td>+27.3 +0.5</td> </tr> </table>	Jan. 6	12	+1 14.9	-0 53.0	-14.0	+27.3 +0.5						
Jan. 6	12	+1 14.9	-0 53.0	-14.0	+27.3 +0.5													

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
					clouds came up from NW just as was setting												
					Stayed thick. Not a glimpse of comet												
					closed dome												
					Plate box in dome												
					<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT₂</td> <td>ST_m</td> </tr> <tr> <td>Jan. 7</td> <td>10</td> <td>+17.2</td> <td>-53.1</td> <td>+08.2</td> <td>+29.2 +0.9</td> </tr> </table>		MC	SC	SW	MT ₂	ST _m	Jan. 7	10	+17.2	-53.1	+08.2	+29.2 +0.9
	MC	SC	SW	MT ₂	ST _m												
Jan. 7	10	+17.2	-53.1	+08.2	+29.2 +0.9												

41

Date 1941 Jan 7-8 Tues. Bs-B Julian Day 0002

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6385	HD 2888	00 27.1	+42° 57	1-12	Astrat II	.010	-3.0 C	17 ³³	18 ¹⁵	4
6386	8671	01 20.4	+42° 57	-	-	-	-3.0	18 ²²	19 ¹⁰	1
6387	16, 108	02 30.2	+41° 58	-	-	-	-3.1	19 ¹³	19 ⁵⁹	2
6388	21, 051	03 18.7	+12° 17	-	-	-	-3.1	20 ⁰⁴	21	3
6389	29, 224	04 31.0	+27° 43	-	-	-	-3.1	21 ⁰⁸	22 ⁴⁸	4
6390	45, 504	06 22.7	+27° 02	-	-	-	-3.1	22 ⁵¹	23 ⁵¹	1
6391	50, 763	06 49.5	+46° 49	-	-	-	-3.2	23 ⁵⁶	01 ⁰⁶	2
6392	59 033	07 23.1	+61 58	"	"	"	-3.2	01 ¹⁶	03 ⁰⁸	3
6393	68332	08 06.8	+14 19	"	"	"	-3.2	03 ¹⁴	05 ⁵⁶	4
6394	68703	08 ^{08.5} 19.1	+17 ⁵⁸ 52	"	"	"	-3.2	04 ⁰⁰	06 ⁵⁷	1
6315	81995	09 24.1	+45 12	"	"	"	-3.3	05 ⁰¹	06 ¹⁵	2
6396	110462	12 32.2	+63 16	"	"	"	-3.3	06 ²⁴	06 ⁴⁸	3
				Jan 9-10	Bs-B		Overcast Stratocumulus; high wind			
				Jan 10-11	H		Cloudy with snow all evening			
				Jan 11-12	M		Thick fog and haze.			

Printer at 17.65

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
4	+0 ⁴¹	+43°12	1	6.43	A0	1-2-1 KSA 20(Y)
	+0 ³⁸	+43°11	1-2	6.58	F8	1-2-1 21(Hd)
2	+0 ²⁰	+42°08	1-2	6.67	B8	1-2-1 22(Hd)
	+0 ³⁵	+12°26	1-2	7.00	G5	1-2-1 71(Y)
	+1 ⁰⁷	+27°49	1-2	7.38	A0	1-2-1 48(Hd) Spots overexposed (30 min.)!
1	+0 ¹⁸	+27°00	1-2	6.91	F5	1-2-1 50(H)
2	1 ⁰⁶ W	+46 47	1-2	7.03	K0	1-2-1 26(Y)
	2 ³⁴ W	+61 54	1	7.53	B5	1-2-1 11(H)
	2 ⁴⁰ W	+14 10	1-2	6.54	A5	1-2-1 76(Hd)
1	3 ³⁷ W	+17 50	1-2	6.71	F0	1-2-1 76(Y)
	3 ⁴² W	+45 02	1-2	7.26	A5	1-2-1 29(M)
	1 ⁰³ W	+63 04	1-2	5.92	A0	1-2-1 B.S.C (Hd)

		HP	SC	SW	M.T.	ST _m
Jan. 8	13	+1 20.8	-52.4	+08.7	+28.2	+0.9
	9	+1 23.6	-53.1	+04.7	+24.2	+0.8
	10	+1 25.5	-51.9	+09.6	+24.6	+0.7
	11	+1 25	-52.4	+13.6	+23	+0.7

43

Date Monday, Jan 13-14, 1941, M - L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
							B			
6397	HD 8862	1 22.3	43 32	I-12	Astron II	.010	-5.3	17 49	20 31	4
6398	28459	4 24.2	32 14	-	-	-	-5.3	20 38	22 16	1
6399	45899	6 25.1	32 14	-	-	-	-5.3	22 20	01 00	2
6400	80652	09 15.9	17 02	"	"	"	-5.4	01 "	03 51	3
6401	99004	11 18.5	17 42	"	"	"	-5.8	04 00	06 30	1
		Jan 14-15		Bs-L	Cloudy with occasional breaks					
		16-17		Bs-B	Freezing drizzle					
		18-19		H-Bs	Cloudy with snowflurries earlier. (Tearing from found dome wheels wouldn't turn. Sawed at ice, tried melting with slat.)					

Temp in Dome +3°F at 20^h
0° 24^h

p. 44

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Pointer at 15.72
						MC SC SW MFW STW Jan. 13 15 +1.26.9 -51.0 +21.2 -17.4 +0.2 temp -6.0 for first few minutes. Reset
2 21	W	43 46	terrible	6.54	B 9	1-2-1
2 16	W	32 23	"	6.17	B 9	1-2-1
1 48	W	32 13	"	6.89	B 9	1-2-1 seeing as good as 0 at times
1 49	W	16 53	"	6.93	A 5	1-2-1
2 26	W	17 29	"	7.09	A 2	1-2-1
						Jan. 14 10 +1.24.9 -51.6 +20.4 -10.8 +0.3 ½ t. to A
21 ^h			H started to open up dome	22 ³⁰		but
			but to no avail. Cloudy by	01 ^h		
						15 10 +1.27.1 -51.9 +22.0 -10.9 +0.3 16 12 +1.27.7 -49.9 +23.0 -13.0 +0.2 17 10 +1.26.2 -50.2 +23.4 -15.0 +0.2 18 10 +1.25 -50 +26.5 -15.5 +0.3 20 12 +1.23.9 -49.5 +33.3 -16.8 +0.2

The flashlight is missing.

p.46

Pointer at 13.1

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																								
1 17	W	57 59	00	5.65	B8	1-2-1 K.S.A. 8 M Seeing very poor.																								
0 33	W	54 52	00	5.61	B8	1-2-1 B.S.C. Y " " "																								
0 58	W	42 25	0	6.25	B8	1-2-1 K.S.A. 23 M																								
1 32	W	27 17	0-1	6.61	A ₀	1-2-1 K.S.A. 48 M Seeing better - Thick haze formed at 22 ^h . Completely cloudy at 22 ³⁰ ; closed up.																								
						<table border="1"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MI</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Jan. 21</td> <td>10 +1 23.5</td> <td>-49.7</td> <td>+34.3</td> <td>-19.4</td> <td>+0.2</td> </tr> <tr> <td>22</td> <td>10 +1 23.4</td> <td>-49.8</td> <td>+35.1</td> <td>-25.6</td> <td>+0.1</td> </tr> <tr> <td>23</td> <td>10 +1 23.7</td> <td>-49.6</td> <td>+38.7</td> <td>-27.8</td> <td>+0.0</td> </tr> </tbody> </table>		MC	SC	SW	MI	ST	Jan. 21	10 +1 23.5	-49.7	+34.3	-19.4	+0.2	22	10 +1 23.4	-49.8	+35.1	-25.6	+0.1	23	10 +1 23.7	-49.6	+38.7	-27.8	+0.0
	MC	SC	SW	MI	ST																									
Jan. 21	10 +1 23.5	-49.7	+34.3	-19.4	+0.2																									
22	10 +1 23.4	-49.8	+35.1	-25.6	+0.1																									
23	10 +1 23.7	-49.6	+38.7	-27.8	+0.0																									

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Date Thursday, January 23-24, 1941 H-5-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6406	HD 3881	00 36.3	+59 23	I-12	Astria II	^{sub} 010	-4.3	18 02	20 32	2 3 49 V +
6407	32784	05 00.5	+62 21	"	"	"	-4.5	20 37	21 27	0 27 V -
6408	35815	05 22.3	+62 55	"	"	"	-4.5	21 41	23 13	1 1 -
6409	50551	06 48.7	+57 41	"	"	"	-4.8	23 14	01 01	2 03 W +
6410	59152	07 23.6	+12 58	"	"	"	-4.8	01 09	(01/30)	2 (0 1) +
				Jan 24-25	Bs-L	Stratus cloud	thick & solid; NE			
				25-26	Y-Bs	"	"		Clear	
				26-27	—	Cloudy				
				Tuesday 28-29	H-L	Cloudy with snow.				
				Thur 30-31	Bs-L	Light snow; clearing in part		19 15		
				Wed 29-30	Y-L	Hazy early evening, thicker later				

Light haze & clouds early evening made setting difficult
 p.48

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS																																																						
2 32 2	3 48 V	+59 35	0	7.43 A0 1-2-1	KSA 8 much light haze IFA clamp																																																						
	0 27 W	+62 25	0-1	6.88 A5 1-2-1	10 much clearer. not working																																																						
	1 41 W	+62 57	1-2	7.46 A0 1-2-1	10																																																						
0	2 03 W	+57 37	1-0	7.20 K2 1-2-1	11																																																						
2 41 2	(2 00 W)	+12 50	1	6.73 A5 1-3	75 Clouds at 1 30 - closed up at 200																																																						
<div style="text-align: center;"> <table border="1"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Jan. 24</td> <td>12 +124.1</td> <td>-49.1</td> <td>+43.4</td> <td>-26.2</td> <td>+0.1</td> </tr> <tr> <td>25</td> <td>10 +124.3</td> <td>-49.1</td> <td>+45.5</td> <td>-32.0</td> <td>-0.0</td> </tr> <tr> <td>27</td> <td>12 +126.0</td> <td>-48.2</td> <td>+47.8</td> <td>-36.8</td> <td>-0.2</td> </tr> <tr> <td>28</td> <td>13 +127.0</td> <td>-48.0</td> <td>+49.8</td> <td>-41.0</td> <td>-0.2</td> </tr> <tr> <td></td> <td colspan="5" style="text-align: right;">2 rest (-31.2 +0.1)</td> </tr> <tr> <td>29</td> <td>10 +127.7</td> <td>-47.2</td> <td>+53.0</td> <td>-29.8</td> <td>+0.3</td> </tr> <tr> <td>30</td> <td>10 +128.9</td> <td>-47.1</td> <td>+54.3</td> <td>-30.8</td> <td>+0.2</td> </tr> <tr> <td>31</td> <td>10 +129.6</td> <td>-47.2</td> <td>+58.5</td> <td>-34.0</td> <td>+0.3</td> </tr> </tbody> </table> </div>							MC	SC	SW	MT	ST	Jan. 24	12 +124.1	-49.1	+43.4	-26.2	+0.1	25	10 +124.3	-49.1	+45.5	-32.0	-0.0	27	12 +126.0	-48.2	+47.8	-36.8	-0.2	28	13 +127.0	-48.0	+49.8	-41.0	-0.2		2 rest (-31.2 +0.1)					29	10 +127.7	-47.2	+53.0	-29.8	+0.3	30	10 +128.9	-47.1	+54.3	-30.8	+0.2	31	10 +129.6	-47.2	+58.5	-34.0	+0.3
	MC	SC	SW	MT	ST																																																						
Jan. 24	12 +124.1	-49.1	+43.4	-26.2	+0.1																																																						
25	10 +124.3	-49.1	+45.5	-32.0	-0.0																																																						
27	12 +126.0	-48.2	+47.8	-36.8	-0.2																																																						
28	13 +127.0	-48.0	+49.8	-41.0	-0.2																																																						
	2 rest (-31.2 +0.1)																																																										
29	10 +127.7	-47.2	+53.0	-29.8	+0.3																																																						
30	10 +128.9	-47.1	+54.3	-30.8	+0.2																																																						
31	10 +129.6	-47.2	+58.5	-34.0	+0.3																																																						
	briefly around midnight																																																										
	solid again																																																										
	cloudy rest of night.																																																										

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H-B

Date Friday January 31 - February 1, 1941 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6411	HD: 11291	01 45.8	+50 18	I-12	astin II	set 010	-3.9	18 15	18 45	3
6412	19548	03 03.6	+28 42	"	"	"	-4.1	18 49	19 25	1
6413	33441	05 05.2	+62 59	"	"	"	-4.2	21 24	22 54	2
			Feb 1-2	Bs-B	Overcast	altocumulus & altostratus				
			2-3	—	Clear					

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Date Monday, Feb. 3-4, 1941 - B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6414	H.D. 16176	02 30.7	38 18	I-12 $\frac{1}{2}$	Ilford	010	-4.2	18 ¹⁴	19 ¹⁴	3
6415	22860	03 35.2	28 23	"	"	"	-4.4	19 ²⁰	20 ⁵⁰	4
6416	29646	04 35.0	28 25	"	"	"	-4.9	20 ⁵⁴	21 ²⁴	1
6417	36484	05 26.9	32 4 ⁴ 4	"	"	"	-4.7	21 ³⁰	22 ²⁶	2
6418	44250	06 15.7	30 01	"	"	"	-4.9	22 ³¹	00 ⁰⁵	3
6419	56386	07 11.7	31 09	"	"	"	-5.0	00 ¹⁰	00 ⁵⁶	4
6420	82191	09 25.4	27 50	"	"	"	-5.0	01 ⁰¹	02 ¹⁵	1
6421	103676	11 51.2	27 15	"	"	"	-5.0	02 ²¹	03 ⁵⁵	2
(over)										

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Printer at 16.6
1 ¹⁸ W	38 29	0	6.36	F5	1-2-1	B.S. (H) High wind blowing some snow through opening. Thin haze.
1 ⁵⁰ W	28 29	1-0	6.87	B9	1-2-1	KSA 47 (M)
1 ²⁴ W	28 29	1-0	5.68	A0	1-2-1	" 48 (M)
1 ³⁵ W	32 46	1	6.50	A0	1-2-1	" 49 (M) change some point
2 ²⁵ W	29 57	1-0	7.06	A0	1-2-1	" 50 (Y)
2 ²⁰ W	31 03	0	5.96	B9	1-2-1	" 51 (Y)
1 ²⁶ W	27 39	0	6.59	A0	1-2-1	" 53 (M)
0 ⁴¹ W	27 00	0	7.21	F2	1-2-1	" 56 (Y)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Exp.	REMARKS																
0 ⁴⁶ 7	0 ¹² W	28 01	0	7.22 A ²	1-2-1	H-2																
0 ⁴⁵ 4	0 ¹³ E	69 28	0	6.86 K ₀	1-2-1	B.S.C. 4 ₀																
						<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td colspan="2">MT</td> <td>ST</td> </tr> <tr> <td>Feb. 4</td> <td>10</td> <td>+1 31.6</td> <td>- 42.3</td> <td>+ 64.7</td> <td>00.0</td> <td colspan="2">+0.1</td> </tr> </table>			MC	SC	SW	MT		ST	Feb. 4	10	+1 31.6	- 42.3	+ 64.7	00.0	+0.1	
		MC	SC	SW	MT		ST															
Feb. 4	10	+1 31.6	- 42.3	+ 64.7	00.0	+0.1																

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Date Tuesday, February 4-5, 1941 H-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
6424	HD 15579	02 25.3	+46 09	I-12	Astria II	SAT 010	-6.0	18 ⁰⁹	19 ³⁹	1	151 W -4
6425	31590	04 52.0	+73 55	"	"	"	-5.8	19 ⁴⁴	20 ¹⁰	2	066 F -7
6426	33441	05 05.2	+62 59	"	"	"	-5.8	20 ¹⁴	21 ¹⁴	3	041 W -6
6427	35815	05 22.3	+62 55	"	"	"	-5.9	21 ¹⁷	22 ³⁷	4	50 W -6
6428	50551	06 48.7	+57 41	"	"	"	-6.0	22 ⁴⁰	23 ²⁰	1	24 W -5
6429	58917	07 22.6	+62 43	"	"	"	-6.0	23 ²³	00 ⁰³	2	121 W -4
6430	70843	08 19.1	+17 32	"	"	"	-6.0	00 ¹¹	01 ²⁹	3	50 W -17
6431	101091	11 32.9	+32 27	"	"	"	-6.0	01 ³⁷	02 ⁵⁹	4	27 W 13

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	
1 51 W	+46 19	1-2	7.40	F2	1-2-1	KSA 22 Thermostat 15.3 Home T=16°
0 06 E	+73 58	2-3	6.06	A2	1-2-1	" 3 T=14°
0 46 W	+63 02	3	7.02	F0	1-2-1	" 10 14
1 51 W	+62 57	3	7.46	A0	1-2-1	" 10 Patches of light clouds. 11
1 10 W	+57 40	3	7.20	K2	1-2-1	" 11 Light haze occasionally 12
1 21 W	+62 38	3	6.77	A0	1-2-1	" 11 23 ³⁰ Heavy smoke from train.
1 50 W	+17 22	3	7.46	F5	1-2-1	" 26
0 07 W	132 12	3-2	7.47	F2	1-2-1	" 55 image a little fuzzy

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS												
1 ¹⁴ W	41 35	3	7.26	F5	1-2-1	g KSA. 31 Filling in from west after this exposure, then starting to snow lightly, Cloud at 5.15, stuck.												
						<table border="0"> <tr> <td></td> <td>HC</td> <td>SC</td> <td>SW</td> <td>HT</td> <td>ST</td> </tr> <tr> <td>Feb. 5</td> <td>12 +1.33</td> <td>-1.015</td> <td>+1.267</td> <td>+07.4</td> <td>-0.0^m</td> </tr> </table>		HC	SC	SW	HT	ST	Feb. 5	12 +1.33	-1.015	+1.267	+07.4	-0.0 ^m
	HC	SC	SW	HT	ST													
Feb. 5	12 +1.33	-1.015	+1.267	+07.4	-0.0 ^m													

04¹⁰

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Date 1941 Feb. 5-6 Wed. Y-L

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6433	HD 20346	3 11.3	38 56	I-12	Astra	011	-4.0	7 00	7 44	2
6434	HD 28354	4 23.2	27 10	"	"	"	-3.9	7 48	9.00	1 19 W
										Light cirrus or cirro cumulus clouds during last
6435	HD 34250	5 10.9	28 49	"	"	"	-4.1	9.05	10 15	1 19 W
										low flying mist coming over during last
										Feb 6-7 Bs-L Freezing drizzle & dense fog
										7-8 Bs-B Light snow, thick low cloud
										8-9 Bs-B " " & strong SW wind
										10-11 — Clear + cold

Thickish & uncertain at first. slow getting started.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS	
7 44 L	1 15 W	39 05	1+	5.97	A0	1-1-1	BSC	Y
9 20	1 19 W	27 16	1	6.61	A0	1-1-1	K.S.A	48 M
	plate							
10 15		28 49	1+	2.17	F0	1-1	K.S.A	49 H2

			MC	SC	SW	MT	ST
Feb. 6	14	+1	33.7	-42.4	+07.3	+10.2	+0.3
	7	12	+1	33.8	-42.6	+09.4	+10.2
	8	10	+1	33.6	-42.6	+13.0	+09.0
	10	10	+1	34.5	-40.9	+15.3	+08.3

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Date Monday Feb. 10-11, 1941 B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D	
6436	H.D. 16855	02 37.1	43 07	I-12 1/2	Ustrath	010	-4.8	18 ¹⁶	19 ⁰⁵	2	31°W	
		Temperature in spect. app. rise to -4.5 on dome top.										
6437	21540	03 23.4	46 42	"	"	"	-4.4	19 "	20 ²⁵	3	2°W	
6438	34384	05 11.9	28 41	"	"	"	-4.2	20 ³¹	21 ⁵¹	4	14°W	
6439	46198	06 26.6	15 47	"	"	"	-4.5	21 ⁵⁷	23 ³⁷	1	2°W	
6440	59150	07 23.6	14 34	"	"	"	-4.7	23 ⁴³	0 ⁰⁰	2	1°	
<p>Tuesday February 11-12, 1941 H-L</p> <p>Cloudy most of evening. Clear but very hazy 11-12; then dark</p>												

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19	1 31 W	43 16	2	6.72	A ₂	1-2-1 KSA. 22 M.
						is increasing. Heat control not turned on.
25	2 04 W	46 54	2	6.95	B ₂	1-2-1 KSA. 23 M. Thin clouds
	1 42 W	28 43	2-3	7.33	A ₃	" 49 Y
	2 14 W	15 45	2-3	7.55	F ₅	" 74 Y Heat turned on. Pointer at 17.0
						Sky milky white with haze
		14 27	2-3	7.12	A ₃	1-2 KSA 75 Y Clouding up rapidly from 02:00 on thick at 02:40 closes at 145 sky thick

			MC	SC	SW	MT	ST
Feb.	11	10	+135.1	-42.0	+157	+05.0	+0.3 ^m
	12	10	+135.6	-42.7	+15.8	-00.2	+0.2 ^m

63

Date Feb 12-13 Wed. / 41 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6440	HD 37574	05 34.4	32 51	I-5	Artra II	010	+1.9	8 40	10 20	3
				13-14	Thurs	Bs-L	Mostly cloudy; few stars			
				14-15	Fri.	Bs-B	Thick all evening			
				15-16	Saturday	H-B	Clouds in afternoon; clearing after dark but hazy; soon clouded over cloudy & very hazy rest of evening. (11 ⁵⁰) Stage thinner after midnight, but too thick to work at 2 ⁰⁰			
					Sunday	no observer - cloudy				
				18-19	Tuesday	H-L	mostly cloudy with snow flurries all evening (11 ²⁰) very strong wind at times			
				20-21	Thurs	Bs-L	SNOW			

Spent 1/2 hours canvassing for War Savings Stamps
 DID NOT miss a great deal, seemed so good!

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS												
10 20 3	1. 55 W	+32 51	0 vls	7.3	F8	1-1-1	<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Feb 13 10</td> <td>+135</td> <td>-42</td> <td>+17</td> <td>-2</td> <td>+0.1</td> </tr> </table>		MC	SC	SW	MT	ST	Feb 13 10	+135	-42	+17	-2	+0.1
	MC	SC	SW	MT	ST														
Feb 13 10	+135	-42	+17	-2	+0.1														
	in zone the early org. thick from 21 ³⁰																		
	Feb. 15 10	+135.9	-42.9	+26.0	-04.8	+0.0 ^m													
	Feb. 17 10	+136.7	-43.9	+31.2	-20.0	-0.0	Reset (stopped)												
	Feb. 18 10	+136.6	-44.5	+32.8	-24.0	-0.1 ^m													
	Feb. 19 10	+137.0 <small>added 1.0</small>	-44.7	+33.0	-04.0	+0.0 ^m	Reset												
	Feb. 20 10	+137.9	-44.6	+35.8	-04.0	-0.1 ^m													
	Feb. 21 10	+139.0	-45.1	+38.1	-06.4	-0.1 ^m													
	22 10	+139.2	-45.5	00.5	-01.0	-0.1 ^m													
					-21.5		Reset												
	24 10	+139.6	-45.5	05.5	+05.0	-0.2 ^m	Reset (stopped)												
	Feb 21-22	Bs-E	Overcast	stratocumulus															
	22-23	- Sheer clear of 17h. Few clouds below of 000 in north, cleared at 01 ¹⁵																	

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
3 ³⁶ W	46 54	1-0	6.95 B ₈ 1-2-1	K.S.A. 23 M Wrong star at first. Poor night as clouds slowly rising from S and W. High Image lost most of time from 20 ³⁰ -21 ⁰⁰ Few stars visible but night seems hopeless.
2 ⁰⁴ W	12 53	1-2	6.73 A ₅ 1-2-1	K.S.A. 75 H Clear again. Next central focused on Painter at 18.1
2 ¹⁸ W	14 47	1-2	6.14 A ₀ 1-2-1	K.S.A. 76 M
2 ¹¹ W	32 32	1-2	6.58 A ₀ 1-2-1	" 53 M Stage, clouding up at 1 ¹⁰ on thick at 01 ⁰⁰ ✓

	MC	SC	SW	MT	ST
Feb. 25	10	+139.6	-46.1	-13.9	+03.0 -0.2 ^m

Ending Time
L.S.T.

43
1

4
2

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
	+62 26	1	6.88	A5 1-2-1	KSA 10 Very windy.												
	+62 57		7.46	A0 1-2-	KSA 10 Clouds 21 ⁰⁵ - 21 ⁴⁰ ; star invisible much of this time. Cell end 21 ¹⁰ . Clouds starting 21 ⁴⁵ Closed up 23 ¹⁵ Still thick.												
					<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Feb. 26</td> <td>10</td> <td>+1 39.9</td> <td>-46.4</td> <td>-12.8</td> <td>+01.2 -0.4^m</td> </tr> </table>		MC	SC	SW	MT	ST	Feb. 26	10	+1 39.9	-46.4	-12.8	+01.2 -0.4 ^m
	MC	SC	SW	MT	ST												
Feb. 26	10	+1 39.9	-46.4	-12.8	+01.2 -0.4 ^m												

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Date 1941 Feb 26-27 Wed Bs-L Julian Day 0052

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6447	HD 28,354	04 23.2	+27°10	1-12	Astra II	1010	-6.5 C	18 ⁵²	19 ⁵³	3	30
6448	44,497	06 17.0	+12°37	-	-	-	-6.4	19 ⁵⁸	20 ³⁸	4	28
6449	51,418	06 52.2	+42°26	-	-	-	-6.4	20 ⁴⁷	21 ⁴⁷	1	10
6450	68,703	08 08.5	+17°58	-	-	-	-6.5	21 ⁵¹	22 ⁴⁵	2	10 ⁴⁵
				27-28 Thurs	Bs-L		Few *s vis in 20				
				Feb. 28-Mar. 1 Fri.	Y-B		Clear but strong winds made it im				
							Brilliant aurora filling entire sky at 2 ³⁰				

Pointers at 15.0

Ending Time
L.S.T.

Hour Angle End.	Declination .	Seeing	Ptg. Mag.		REMARKS
+1 ³⁶	+27°15	0-1	6.6	A0	1-2-1 KSA 48 (M)
+0 ²⁸	+12°34	1	6.25	F0	1-2-1 - 74 (Hd)
+1 ⁰⁰	+42°25	1	6.61	A0	1-2-1 - 26 (M)
+0 ⁴³	+17°50	1	6.71	F0	1-2-1 - 76 (Y) Haze, thickening to end

advisable to open some haze after midnight.

	MC	SC	SW	MT	S.T.
Feb. 27	10 +1 40.2	-46.8	-08.2	+01.4	-0.3 ^m
28	10 +1 40.7	-46.8	-09.3	-02.2	-0.3 ^m
Mar. 1	10 +1 41.0	-47.2	-09.2	-05.3	-0.3 ^m

Date 1941 Saturday March 1-2, H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Angle
6451	HD 31590	04 52.0	+73 55	I-12	Acto II	cut 010	-6.3	18 42	19 12	3	0 35 V +
6452	32784	05 00.5	+62 21	"	"	"	-6.3	19 18	20 12	4	1 28 V +6
6453	43646	06 12.2	+29 49	"	"	"	-6.4	20 16	21 26	1	1 31 V +2
6454	47731	06 35.0	+28 18	"	"	"	-6.3	21 31	22 31	2	2 14 W -2
6455	71151sp.	08 20.7	+27 16	"	"	"	-6.4	22 35	23 15	3	1 12 V +2
6456	71151nf	"	"	"	"	"		23 16	00 06	4	2 04 W
6457	89239	10 12.6	27 55	"	"	"	-6.4	00 13	00 53	1	1 10 W 2
6458	93286	10 41.2	60 38	"	"	"	-6.4	01 02	02 30	2	2 12 W 6

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2	0 35 W	+73 58	1-2	6.06	A2 1-2-1	KSA 3
12	1 28 W	+62 24	2	6.88	A5 1-2-1	KSA 10
26	1 31 W	+29 48	2-1	6.86	F0 1-2-1	KSA 50 seeing becoming very unsteady at times
2	2 14 W	+28 17	2	7.54	K0 1-2-1	KSA 50
17	1 12 W	+27 08	2-3	(6.3)	A2 1-2-1	KSA 52
18	2 04 W				1-2-1	
53	1 00 W	27 43	2-3	6.44	B9 1-2-1	K.S.A. 54
30	2 12 W	60 25	2-3	7.50	F0 1-2-1	K.S.A. 13

Date (Cont.) *March 1-2, 1941, H-B* Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6459	HD 122365	1356.4	09 22	I-12 1/2	Astra II	.010	-6.4	02 ³⁹	03 ⁰⁵	3	0 ³⁰ E 1
6460	127726	14 27.9	27 08	"	"	"	-6.4	03 ¹¹	03 ³⁹	4	0 ²⁹ E 2
6461	132890	14 56.5	62 04	"	"	"	-6.4	03 ⁴⁹	04 ⁴⁹	1	0 ¹⁴ W 6
6462	153720	16 56.0	75 34	"	"	"	-6.2	05 ⁰⁴	06 ¹⁰	2	0 ²³ E 7
Sunday Mar. 2-3, 1941 — Cloudy											
Monday Mar. 3-4 Focus tests											
6462 F ₁	(L) Astra II	9-12		Outside through base				Focus 26.20	Tilt 20.35		
6462 F ₂	B Astra VIII	27-27		"	"	"		Focus 26.20	Tilt 20.35		
"	"	27-36						26.30	"		5
"	"	27-36						26.50	"		7
6462 F ₃	"	"	"					26.15	"		2
"	"	"	"					25.9	"		5
"	"	"	"					25.75	"		8

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																								
0 ⁵ 3	0 ³² E	09 10	2	5.94	A ₂ 1-2-1	B.S.C.																								
0 ³⁹ 4	0 ²⁹ E	26 57	2	5.96	A ₂ 1-2-1	B.S.C. Light switch in pier dark-room broken.																								
0 ⁴³ 1	0 ¹⁴ W	61 53	2-3	7.10	A ₂ 1-2-1	K.S.A. 15																								
0 ⁴⁸ 2	0 ²² E	75 28	2-3	7.12	F ₀ 1-2-1	K.S.A. 6																								
						<table border="0"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Mar. 3 10</td> <td>+1.41.7</td> <td>-48.3</td> <td>-08.3</td> <td>-01.2</td> <td>-0.4^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Reset</td> <td></td> <td></td> </tr> <tr> <td>Mar. 4 10</td> <td>+1.41.8</td> <td>-45.6</td> <td>-09.6</td> <td>-02.8^s</td> <td>-0.5^m</td> </tr> </tbody> </table>		MC	SC	SW	MT	ST	Mar. 3 10	+1.41.7	-48.3	-08.3	-01.2	-0.4 ^m				Reset			Mar. 4 10	+1.41.8	-45.6	-09.6	-02.8 ^s	-0.5 ^m
	MC	SC	SW	MT	ST																									
Mar. 3 10	+1.41.7	-48.3	-08.3	-01.2	-0.4 ^m																									
			Reset																											
Mar. 4 10	+1.41.8	-45.6	-09.6	-02.8 ^s	-0.5 ^m																									
0 ⁵⁵ 3	Setting 2																													
" 5	" 5																													
" 8	" 8																													
" 2	" 2																													
" 5	" 5																													
" 8	" 8																													
		Camera focus left at 26.17																												

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Date Tuesday March 4-5, 1941 H-L Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Decl.
6463	HD 35544	05 20.4	+43 17	I-12	astron II	010	-8.0	20 06	21 16	2	25 W +4
6464	59033	07 23.1	+61 58	"	"	"	-8.3	21 22	22 32	3	35 W +6
6465	74057	08 36.6	+32 13	"	"	"	-8.0	22 37	0 07	4	01 W +3
6466	93075	10 39.8	+57 26	"	"	"	-8.0	0 12	1 32	1	1 22 W +5
6467	114446	13 05.5	+57 22	"	"	"	-7.8	1 40	3 10	2	36 W +5
6468	132560	14 54.7	+58 02	"	"	"	-8.0	3 15	4 45	3	0 27 W +5
6469	150010	16 33.2	+72 49	"	"	"	-8.0	4 56	6 10	4	0 16 W +9

Put on visitor's eyepiece for a visit near class. Saw more, seeing almost hopeless. Looked at various objects with 2" glass. p. 76

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
6 2	2 ²⁵ W	+43 19	0	A0	6.75 1-2-1	K SA 25 no spots on disk plate																					
32 22	1 ³⁸ W	+61 55	1	G5	7.53 1-2-1	K SA 11																					
57 4	2 ⁰¹ W	+32 06	1-2	F8	7.54 1-2-1	52 Moderately bright sun in north.																					
32 1	2 ²² W	+57 14	1-2	F0	7.31 1-2-1	K SA 13																					
31 0	0 ³⁶ W	+57 09	1-2	F0	7.51 1-2-1	" 14																					
45 3	0 ²³ W	+57 54	1-2	F2	7.47 1-2-1	" 15																					
17 4	0 ¹² W	+72 44	1-2	K0	7.45 1-2-1	" 6 Skyride!																					
<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>S.W.</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 5</td> <td>10</td> <td>+1 42.6</td> <td>-45.9</td> <td>-10.9</td> <td>+0.2^s</td> <td>-0.3^m</td> </tr> <tr> <td>Mar. 6</td> <td>10</td> <td>+1 43.1</td> <td>-46.4</td> <td>-09.0</td> <td>+0.4^s</td> <td>-0.3^m</td> </tr> </table>									MC	SC	S.W.	MT	ST	Mar. 5	10	+1 42.6	-45.9	-10.9	+0.2 ^s	-0.3 ^m	Mar. 6	10	+1 43.1	-46.4	-09.0	+0.4 ^s	-0.3 ^m
		MC	SC	S.W.	MT	ST																					
Mar. 5	10	+1 42.6	-45.9	-10.9	+0.2 ^s	-0.3 ^m																					
Mar. 6	10	+1 43.1	-46.4	-09.0	+0.4 ^s	-0.3 ^m																					

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Date Thurs. Mar. 6-7 1941, B-L Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6470	H.D. 36484	05 26.9	32 44	I-12 1/2	Optima II	.010	-3.0	18 54	20 28	1	1 39 W 3
6471	37519	05 34.1	31 18	"	"	"	-3.6	20 32	21 22	2	2 35 W 3
6472	42477	06 05.8	13 40	"	"	"	-3.8	21 28	22 14	3	2 46 W 1
6473	61295	07 33.5	32 14	"	"	"	-3.9	22 19	23 29	4	2 33 W 3
6474	76704	08 52.7	46 09	"	"	"	-3.9	23 34	01 04	1	2 52 W 2
6475	93847	10 44.9	56 46	"	"	"	-4.0	01 09	03 09	2	3 03 W 5
6476	133161	14 57.9	16 26	"	"	"	-4.0	03 20	04 56	3	3 37 W 1
6477	159870	17 31.9	57 38	"	"	"	-4.0	05 03	06 09	4	3 42 E 5

Pointer at 16.9

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
20 ²⁴	1 ³⁹ W	32 45	very poor	6.50	A ₀	1-2-1 K.S.A 49 M
22	2 ²⁵ W	31 19	" "	5.91	B ₈	" " M
22	2 ⁴⁶ W	13 40	0	5.92	A ₂	" 74 M
31	2 ³³ W	32 09	0	6.42	F ₀	" 51 Hd
01	2 ⁵⁰ W	46 00	1-0	6.61	A ₀	" 28 M
01	3 ⁰³ W	56 35	1	7.32	B ₉	" 13 M
01	0 ³⁷ W	16 15	1-0	7.55	G ₀	" 83 Hd
09	0 ⁴² E	57 36	1	6.51	F ₂	" 16 Hd
						<div style="display: flex; justify-content: space-around; align-items: flex-end;"> Mar 7 10 +1.43.9 -46.9 -10.0 +0.5 -0.3 </div>

79

Date *March 7-8 Friid Y-*

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6478	HD 37646	5 35.0	29 26	I-12	Arha 11	010	-0.8	7 ⁰⁰	9 ⁰⁰ 1	1	20 W 2
<p><i>Saturday, March 8-9, 1941 H-B</i></p> <p><i>Thick haze; only moon visible most of time.</i></p> <p><i>Sunday March 9-10. mostly clear</i></p>											

Ponter 19.20

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS																		
90	2 03 W	29 26	0	6.75 A	1-	<p data-bbox="989 378 1393 437">This brighter star</p> <table border="1" data-bbox="989 437 1979 645"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td data-bbox="989 460 1181 504">Mar. 8 10</td> <td data-bbox="1234 460 1383 504">+144.9</td> <td data-bbox="1415 460 1521 504">-47.1</td> <td data-bbox="1553 460 1670 504">-08.6</td> <td data-bbox="1702 460 1819 504">+144.9^s</td> <td data-bbox="1851 460 1925 504">-0.3^m</td> </tr> <tr> <td data-bbox="989 526 1181 571">Mar. 10 10</td> <td data-bbox="1234 526 1383 571">+147.2</td> <td data-bbox="1415 526 1521 571">-47.7</td> <td data-bbox="1553 526 1670 571">-13.3</td> <td data-bbox="1702 526 1819 571">-06.0^s</td> <td data-bbox="1851 526 1925 571">-0.0^m</td> </tr> </tbody> </table> <p data-bbox="1574 571 1872 645">Reset (stopped) Reset</p>		MC	SC	SW	MT	ST	Mar. 8 10	+144.9	-47.1	-08.6	+144.9 ^s	-0.3 ^m	Mar. 10 10	+147.2	-47.7	-13.3	-06.0 ^s	-0.0 ^m
	MC	SC	SW	MT	ST																			
Mar. 8 10	+144.9	-47.1	-08.6	+144.9 ^s	-0.3 ^m																			
Mar. 10 10	+147.2	-47.7	-13.3	-06.0 ^s	-0.0 ^m																			

Ending Time I.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
22	0 ⁵¹ W	15 18	1	5.84	Az 1-2-1	M.S.A. 73 Y																					
50 3	2 ⁰⁸ W	29 27	1	6.75	A 1-2-1	" 49 M Started exposure on brighter star, then changed to other. Hazy																					
54	1 ²⁷ W	31 04	1-0	5.96	B ₉ 1-2-1	H.S.A. 75 Y Thin drifting clouds A tube fell out of the semicircle. Set on H.D. 58244, but more clouds came up from Closed up at 22 ³⁰ ; few stars visible																					
						<table border="0"> <thead> <tr> <th></th> <th></th> <th>MP</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Mar. 11</td> <td>10</td> <td>+148.3</td> <td>-48.2</td> <td>-12.9</td> <td>-04.8</td> <td>+0.1^m</td> </tr> <tr> <td></td> <td>12</td> <td>+149.3</td> <td>-48.7</td> <td>-11.0</td> <td>-05.8</td> <td>+0.1^m</td> </tr> </tbody> </table>			MP	SC	SW	MT	ST	Mar. 11	10	+148.3	-48.2	-12.9	-04.8	+0.1 ^m		12	+149.3	-48.7	-11.0	-05.8	+0.1 ^m
		MP	SC	SW	MT	ST																					
Mar. 11	10	+148.3	-48.2	-12.9	-04.8	+0.1 ^m																					
	12	+149.3	-48.7	-11.0	-05.8	+0.1 ^m																					

Pouter 20.20

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
1 25 ^m W	29 26	0-1	6.75	A	1-1-1	Br. x of double
9 45 2 50 ^m W	29 50	1	7.17	A ₂	1-1-1	Y
5 55 ^m W	17 51	1	6.71	F ₀	1-1-1	Y
7	45 58	1-2	6.69	A ₀	1-1-1	M
0 24 1 34 W	45 42	2-1-0	7.50	K ₀	1-2-1	H Seeing variable
0 44 2 1 07 W	29 00	2-1	6.98	A ₀	1-2-1	K.S.A. 55 (M)
0 59 W	32 26	1	7.16	F ₈	1-2-1	" 57 Y Stage.
0 14 4 1 50 W	17 54	2-1	7.58	F ₅	1-2-1	" 82 (Hd) Light cloud
0 18 E	07 37	1-0	5.98	A ₀ G	1-2-1	B.S.C. (H)

Mar. 13 10 ^{MC} +1.50.3 ^{SC} -49.1 ^{SW} -09.1 ^{MT} -02.4 ST +00^m

Date *Thurs Mar. 13-14, 1941* B-4 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6491	H.D. 29646	04 35.0	28 25	I-12 1/2	Astria II	.010	+3.9	18 58	20 12	2	2
6492	HD. 115271	13 11.0	41 23	"	"	"	+0.2	01 10	01 56	3	0 ⁰⁸ E 4
6493	" 131951	14 51.5	14 51	"	"	"	+0.2	02 02	02 50	4	0 ⁴⁵ E 1
6494	" 139493	15 33.4	54 57	"	"	"	+0.2	03 05	03 59	1	0 ²⁶ E 5
6495	" 154528	17 00.9	77 48	"	"	"	+0.2	04 10	05 30	2	0 ¹⁰ E 7

Pointer at 22.9

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																								
2 42 W	28 30	00	5.68	A ₀ 1-2-1	K.S.A. 48 M. Seeing very poor and sky hazy.																								
0 08 E	41 11	0	5.82	A ₅ 1-2-1	B.S.C. Hd. Sky mostly clear, light haze.																								
0 55 E	14 42	0	5.77	A ₀ 1-2-1	" Hd																								
0 26 E	54 48	0	5.74	A ₀ 1-2-1	" H Haze																								
0 10 E	77 44	0	6.66	A ₀ 1-2-1	K.S.A.G. M.																								
					<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MT</td> <td>ST</td> <td>SW</td> </tr> <tr> <td></td> <td></td> <td></td> <td>^s</td> <td>^m</td> <td></td> </tr> <tr> <td>Max.</td> <td>4 +</td> <td>152.1 -</td> <td>47.5</td> <td>+01.0</td> <td>+0.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-08.6</td> </tr> </table>		MC	SC	MT	ST	SW				^s	^m		Max.	4 +	152.1 -	47.5	+01.0	+0.1						-08.6
	MC	SC	MT	ST	SW																								
			^s	^m																									
Max.	4 +	152.1 -	47.5	+01.0	+0.1																								
					-08.6																								

Date Friday March 14-15, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6496	HD 35802	05 22.2	+17 10	I-12	Astra II	Set 010	+3.0	19 ⁰¹	19 ⁵¹	3
6497	HD 44234	06 15.6	+17 49	"	"	"	+3.1	19 ⁵⁴	20 ⁵⁴	4
6498	47731	06 35.0	+28 18	"	"	"	+3.1	20 ⁵⁹	22 ⁰³	1
6499	70843	08 19.1	+17 32	"	"	"	+3.2	22 ⁰⁷	23 ¹⁷	2
6500	93655	10 43.6	-01 26	"	"	"	+3.2	23 ²²	00 ²⁹	3
6501	138562	15 27.8	-0 51	"	"	"	+3.4	1 ¹⁸	2 ⁴⁰	4
6502	139137	15 31.4	-0 14	"	"	"	+3.8	2 ⁴⁶	4 ⁰⁰	1
6503	162113	17 44.3	+2 00	"	"	"	+3.6	4 ⁰⁷	6 ⁰¹	2
Sun. Mar. 16-17					cloudy - snow.					

Pointer 23.3

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS												
1 38W	+17 12	1-2	7.22 K5	1-2-1 KSA, 73 zodiacal light visible 19 ³⁰ - 20 ⁰⁵ max 19 ^{40?}												
1 48W	+17 46	2	7.46 K0	1-2-1 KSA 74												
2 08W	+28 15	2-1	7.54 K0	1-2-1 " 50 seeing unsteady at times												
2 07W	+17 23	2	7.46 F5	1-2-1 " 76												
1 00W	-01 38	2	7.54 M2	1-2-1 " 102 Light haze 23 ⁴⁵ - Image barely visible at end of exposure.												
1 37E	-0 58	2	6.76 K0	1-2-1 " 107 haze thinner now Temp. rose because of a poor contact.												
0 21E	-0 23	2	6.93 F8	1-2-1 " 107 Re-focused pointer to 22.9 Still hazy												
0 32E	2 00	1-2	7.46 K0	1-2-1 " 109												
				<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 15</td> <td>10</td> <td>+1.52.5</td> <td>-47.3</td> <td>-06.7</td> <td>+01.1 +0.2</td> </tr> </table>		MC	SC	SW	MT	ST	Mar. 15	10	+1.52.5	-47.3	-06.7	+01.1 +0.2
	MC	SC	SW	MT	ST											
Mar. 15	10	+1.52.5	-47.3	-06.7	+01.1 +0.2											

Visibility of stars on slit greatly improved since to cleaned up surfaces of parts of guiding telescope (March 15)

Temperature set 14.3

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Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS								
					MC	SC	SW	MT	ST			
				Mar. 17	10	+1 53.2	-47.6	+14.5	+24.1	+0.2		
								Reset				
					18	10	+1 54.0	-46.6	+16.5	+24.0	+0.4	
2	38W	+27 37	0-1	7.47	K0	1-2-1	KSA 49	Zodiacal light visible 19. ⁵⁰				
2	16W	+12 46	1	7.37	G5	1-2-1	KSA 75	Light scattered clouds Becoming very hazy. High wind & light snow closed shutter 22. ²⁰ Closed up 22. ⁵⁰				
								MC	SC	SW	MT	ST
				Mar. 19	10	+1 56.0	-47.1	+19.7	+24.2	+0.4		

Strong wind & partly cloudy at sunset. Clearing, and wind dropping somewhat by dark.

High wind all day - still quite strong
at sunset

Powder Set 15.65

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS												
8 ^m	W	+32 01	1-2	6.81	A ₀ 1-1-1	KSA 51 Hd												
25	36 ^m W	+32 28	1-2	7.56	A ₃ 1-1-1	- 52 M												
10 10	13 ^m W	+27 38	1-2	6.59	A ₀ 1-1-1	53 M												
11 31	29 ^m E	+25 48	1-2	7.36	A ₂ 1-1-1	Neobist Y												
25	0 ⁴² W	+27 37	1-2	7.46	A ₂ 1-2-1	" Y												
3	0 ⁴⁷ W	+34 26	1-2	6.98	K ₀ 1-2-1	B.S.C. Hd.												
	0 ²⁶ W	+55 39	2-3	7.17	K ₅ 1-2-1	" Hd												
	0 ⁰⁰	+55 39	3	6.97	K ₂ 1-2-1	" Hd												
	0 ⁴⁷ W	+55 59	3-2-1	6.92	K ₀ 1-2-1	" Hd Wind increasing seeing bad												
	0 ⁰⁴ W	+53 27	1	7.13	K ₅ 1-2-1	" Hd												
						<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 20</td> <td>10</td> <td>+157.5</td> <td>-47.2</td> <td>+30.7</td> <td>+25.2 +0.4^m</td> </tr> </table>		MC	SC	SW	MT	ST	Mar. 20	10	+157.5	-47.2	+30.7	+25.2 +0.4 ^m
	MC	SC	SW	MT	ST													
Mar. 20	10	+157.5	-47.2	+30.7	+25.2 +0.4 ^m													

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Date *Thurs. Mar. 20-21, 1941* B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6516	H.D. 42476	06 05.8	17 24	I-12	<i>Ortra II</i>	.010	-3.8	19 ²¹	20 ³⁵	3	20° W
6517	45757	06 24.2	17 59	"	"	"	-3.8	20 ⁴⁰	22 ¹⁰	4	30° W
6518	77986	09 00.6	16 15	"	"	"	-3.7	22 ¹⁵	23 ³¹	1	24° W
6519	109756	12 32.0	-01 46	"	"	"	-3.8	23 ³⁷	01 ³⁷	2	0° W
6520	" 130557	14 43.8	-00 26	"	"	"	-3.9	01 44	02 ³⁴	3	25° E
6521	" 140122	15 36.9	+00 46	"	"	"		02 39	04 59	4	0° W
6522	" 163472	17 51.2	+00 42	"	"	"	-3.8	04 ⁵ 05	05 35	1	41° E

Trouble opening shutters. - Motor died after opening 2 or 3 inches. Circuit breaker o.p., and shutters close all right. Had to crank shutters open.

p. 94

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
20 ¹⁵	2 02 W	17 22	1	6.91	A ₀	1-2-1 KSA, 74 M
20 ¹⁷	3 20 W	17 58	1-2	7.33	F?	1-2-1 " " M. Increasing wind
20 ²⁰	2 04 W	16 05	1-2	7.25	B ₉	1-2-1 " 77 M Difficult keeping star on slit.
01 ³⁷	0 40 W	- 2 00	1-0	7.40	F ₅	1-2-1 " 104 (Eq. list)
02 ²⁴	0 35 E	-00 37	1-0	6.06	A ₀	1-2-1 " 106 (Eq list) Image unsteady
02 ⁵⁹	0 57 W	+00 40	1-0	7.39	A ₀	1-2-1 " 107 (Eq list)
03 ³⁵	0 41 E	+00 41	1-0	5.56	B ₃	1-2-1 " 109 (Eq list)

Repaired broken spring contact in dome opening mechanism.
Dome now opens O.K. - Longworth

	MC	SC	SW	MT	ST
Mar. 21	10	+1.487	-47.6	+22.8	+0.4

Date Friday March 21-22, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6523	HD 43 385	06 10.6	+17 12	I-12	Astria II	Slit 010	-2.3	19 ¹⁰	20 ³⁴	2	2 02W -
6524	59764	07 26.4	+12 53	"	"	"	-2.2	20 ³⁸	21 ⁵⁸	3	2 09W -
6525	82969	09 30.2	+60 39				-2.4	22 ⁰⁵	23 ³⁵	4	42W -
6526	91948	10 31.9	+60 38				-2.4	23 ³⁸	01 ³⁸	1	2 11W -
6527	114988	13 09.1	33 04				-2.4	1 ⁴⁵	03 ⁴¹	2	2 11W 3
6528	127334	14 25.7	42 15				-2.4	03 ⁴⁵	05 ⁰⁹	3	2 16W 4
6529	172569	18 35.9	65 24				-2.4	05 ²⁰	05 ⁵⁰	4	05E -6


Temperature set at 18.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
	2 02W	+17 10	2	7.47	K0 1-2-1	KSA 74 <i>min very astigmatic. Very windy</i>												
21	2 09W	+12 48	2-1	7.37	G5 1-2-1	75 <i>Wind.</i>												
25	1 42W	+60 30	1-0	7.34	G5 1-2-1	KSA 12 <i>supp. Wind!!</i>												
	2 44W	+60 27	1-0	7.37	F8 1-1-1	13 <i>"</i>												
	2 11W	+32 50	1	7.31	G0 1-1-1	57												
28	2 24W	-42 05	1-2	7.01	G0 1-1-1	34												
35	1 05E	+65 25	1	6.08	A3 1-1-1	B.S.C.												
<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>S.T.</td> </tr> <tr> <td>Mar 22</td> <td>10</td> <td>+1.59.1</td> <td>-47.4</td> <td>+26.7</td> <td>+30.0 +0^m.4</td> </tr> </table>								MC	SC	SW	MT	S.T.	Mar 22	10	+1.59.1	-47.4	+26.7	+30.0 +0 ^m .4
	MC	SC	SW	MT	S.T.													
Mar 22	10	+1.59.1	-47.4	+26.7	+30.0 +0 ^m .4													

Date Mar 22-23 Sat.

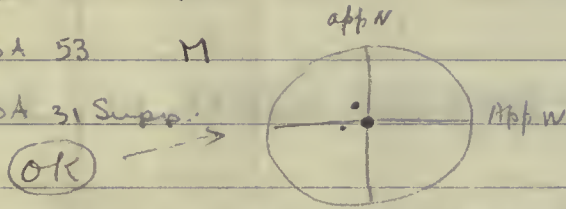
Y. - B

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dist	
6530	HD 57069	7 14.6	29 55	E-12	Astra II	010	+0.3	7 15	8 35	1	57° W 2	
6531	HD 71537	8 22.9	33 02	"	"	"	+0.2	8 35	9 45	2	63° W 3	
6532	HD 80580	9 15.6	32 41				+0.1	9 50	10 50	3	61° W 3	
6533	HD 103799	11 52.1	40 55				+0.2	11 00	12 00	4	68° E 4	
	There are 3 stars in finder  I look north and East and brightest star											
6534	HD 107053	12 13.5	33 18	"	"	"	+0.2	00 06	01 06	1	65° W 3	
6535	116634	13 19.8	32 37	"	"	"	+0.1	01 10	02 00	2	64° W 3	
	Focus test		Outside through base				+0.2	Focus 26.16			54	
6536	135 679	15 11.3	26 01	"	"	"	+0.1	04 46	05 46	3	61° W	
	Sun - cloudy											
	Moon B-L cloudy											
	In Mar. 25 B changed focus to 26.18											
6536 F	Focus test		Outside thru base				.010	+0.2			1	63.1

Scale 20.3

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																		
9 35 57 ^m W	29 51	1	717	A2	1-1-1	KSA 51 Y																		
03 W	32 54	1	666	A0	1-1-1	KSA 52 M																		
15 W	32 30	1-2	6.58	A0	1-1-1	KSA 53 M																		
12 00 10 ^m E	40 40	1-2	6.96	F5	1-1-1	KSA 31 Supp. please check. 																		
0 35 W	33 03	1-2	6.82	A5	1-1-1	56																		
(1 43 W)	32 23	1-2	2.55	A2	1-1-1	KSA 57 (supp) Sky falling in with haze at 2 30 Image gone at 3 Jitt. 20.33 10-8																		
2 18 W	25 51	1-2	6.67	A0	1-1-1	" 59 Clear again.																		
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 24</td> <td>10 +1 59.2</td> <td>-45.0</td> <td>-15.3</td> <td>-0.3</td> <td>+0.4</td> </tr> <tr> <td></td> <td>added 1.0wt.</td> <td></td> <td></td> <td>Rust watches</td> <td>- stopped</td> </tr> </table>		MC	SC	SW	MT	ST	Mar. 24	10 +1 59.2	-45.0	-15.3	-0.3	+0.4		added 1.0wt.			Rust watches	- stopped
	MC	SC	SW	MT	ST																			
Mar. 24	10 +1 59.2	-45.0	-15.3	-0.3	+0.4																			
	added 1.0wt.			Rust watches	- stopped																			
Focus 36.18	Jitt 20.33				8-6																			
						<table border="0"> <tr> <td>Mar. 25</td> <td>10 +1 57.5</td> <td>-42.0</td> <td>+0.1</td> <td>-04.2</td> <td>+0.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Rust</td> <td></td> <td></td> </tr> </table>	Mar. 25	10 +1 57.5	-42.0	+0.1	-04.2	+0.4				Rust								
Mar. 25	10 +1 57.5	-42.0	+0.1	-04.2	+0.4																			
			Rust																					

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Date: Tuesday March 25-26, 1941 H-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
6536	Test film β Kern		1938 7 41.5 +28 10	Cass. wrist camera				19 ⁴⁴			
6536	Test film K Kern				Super X film			20 ⁰⁴			
6537	HD 59033	07 23.1	+61 58	I-12	Astron U	010	+1.0	20 ¹⁸	21 ³⁸	4	11 W +6
6538	74057	08 36.6	+32 13	"	"	"	+0.9	21 ⁴³	22 ¹³	1	22 W +13
6539	98823	11 17.3	+40 44	"	"	"	+0.7	23 ¹⁶	00 ¹⁶	2	0 52 W +4
6540	117817	13 27.7	+14 54	"	"	"	+0.8	00 ²³	02 ⁰³	3	0 29 W +10
6541	127940	14 28.0	+14 31	"	"	"	+0.8	02 08	03 48	1	4 W +14
6542	143597	15 56.3	+13 34	"	"	"	+0.8	03 ⁵⁵	05 ³⁵	2	33 W +13
	Wed. Mar. 26 B				Added another filter to comparison						0 4 - 2 0

Temperature set 21.2

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS														
				1.21	K0	Trail across 16-mm film, clock stopped														
				3.70	G5	" " " " " "														
2 ¹⁵	06 W	+61 52	1-2	7.53	G5	1-1-1 KSA 11 Rather unsteady due to N wind.														
2 ¹⁰	29 W	+32 05	1-2	7.54	F8	1-1-1 52														
2 ⁰⁵	52 W	+40 31	1	7.05	F5	1-1-1 31 (supp)														
2 ⁰³	29 W	+14 42	1	7.36	F0	1-1-1 81 new list														
2 ⁰¹	14 W	+14 17	1	7.46	F5	1-1-1 82 new list strongly suggest that I forgot to draw the slide														
2 ⁰⁰	133 W	+13 24	1	7.44	F5	1-1-1 84 new list haze, clouds														
2 ⁰⁰ - 2 ⁰⁰ - 2 ⁰⁰ gives a good exposure.																				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 10%; text-align: center;">MC</td> <td style="width: 10%; text-align: center;">SC</td> <td style="width: 10%; text-align: center;">SW</td> <td style="width: 10%; text-align: center;">MT</td> <td style="width: 10%; text-align: center;">ST_m</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">Mar. 27</td> <td style="text-align: center;">10</td> <td style="text-align: center;">+1 53.4</td> <td style="text-align: center;">-41.7</td> <td style="text-align: center;">+08.3</td> <td style="text-align: center;">-10.8</td> <td style="text-align: center;">+0.2</td> </tr> </table>								MC	SC	SW	MT	ST _m		Mar. 27	10	+1 53.4	-41.7	+08.3	-10.8	+0.2
	MC	SC	SW	MT	ST _m															
Mar. 27	10	+1 53.4	-41.7	+08.3	-10.8	+0.2														

Printer at 23.2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS														
20 18	20 ³ SW	17 20	1-0	612 B8	2-2-2	74 H Hazy Showed H's students the telescope														
21 44	34 W	31.49	1-0	663 B8	2-2-2	51 Hd and its operation. Sky filling in 21 h. Image nearly gone at 21 44. Closed up														
<table border="0"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>\overline{MT}_s</td> <td>\overline{ST}_m</td> </tr> <tr> <td>Mar. 28</td> <td>10</td> <td>+152.0</td> <td>-40.9</td> <td>+10.3</td> <td>-12.8</td> <td>+0.1</td> </tr> </table>									MC	SC	SW	\overline{MT}_s	\overline{ST}_m	Mar. 28	10	+152.0	-40.9	+10.3	-12.8	+0.1
		MC	SC	SW	\overline{MT}_s	\overline{ST}_m														
Mar. 28	10	+152.0	-40.9	+10.3	-12.8	+0.1														

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Date Friday Mar 28-29

Y-B

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
6544	HD 74292	8 38.1	32 26	I-12	astron	010	+4.4	7 ²⁰	8 40
6545	HD 88639	10 08.2	27 39	"	"	"	+4.0	8 45	9 45
6546	HD 98154	11 13.4	26 01	"	"	"	+4.3	9 50	11 30
<p>haze & clouds on astron star from 10⁴⁰ on, temp at end 4.0</p> <p>Partly cloudy until 1⁰⁰, when it became completely</p>									

Pointer 23.5-

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS																		
7-0	6 ^m W	32 16	0-1	698	A ₂	2-2-2	M KSA 52																		
8-5	20 ^m E	28 26	1-2	688	G ₅	2-2-2	Y KSA Supp 54																		
1 1/2	8 ^m E	25 46	1-0	736	A ₂	2-2-2	Y KSA Supp 55																		
<i>cloudy, closed up.</i>							<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 29</td> <td>10</td> <td>+1 50.4</td> <td>-41.2</td> <td>+12.2</td> <td>-12.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+0.1</td> </tr> </table>		MC	SC	SW	MT	ST	Mar. 29	10	+1 50.4	-41.2	+12.2	-12.0						+0.1
	MC	SC	SW	MT	ST																				
Mar. 29	10	+1 50.4	-41.2	+12.2	-12.0																				
					+0.1																				

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Date Saturday, March 29-30, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6547	HD 44234	06 15.6	+17 49	I-12	data II	5.7 010	-2.6	19 22	21 22	1	3 11.4
6548	90512	10 21.9	+11 49	"	"	"	-2.6	21 27	23 07	2	0.5 11.4
6549	100030 ^	11 25.5	+48 29	"	"	"	-2.4	23 12	00 46	3	1 29 11.4
6550	103984	11 53.7	+48 19	"	"	"	-2.4	00 51	02 59	4	3 11.4
6551	124186	14 06.9	32 45	"	"	"	-2.4	03 04	04 50	1	2 11.4
6552	157978-9	17 21.5	07 41	"	"	"	-2.5	04 56	05 34	2	1 29 11.4
Sun Mar 30-31, 1941 — Increasing cloudiness											

Thermostat set 18.2

Fading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
22	3 16 W	+17 48	0	7.46	K0 2-2-2	KSA 74 Main troublesome at times
23 ⁰⁷	0 54 W	+11 35	0-1	7.38	G5 2-2-2	KSA 78 <i>Supp</i> Bullant across 21 ⁵⁵ - 22 ³⁰ fading still marked
24	1 29 W	+48 15	0-1	7.16	G5 2-2-2	<i>Supp</i> 31
	3 ¹⁰ W	+48 05	1-0	7.39	F2 2-2-2	<i>Supp</i> 31
25	2 58 W	+32 35	1-0	7.31	K2 2-2-2	<i>Supp</i> 58
26	3 23 W	07 40	1	5.98	A. G 2-2-2	BSC Thin clouds forming at 500

		MC	SC	SW	ST	MT
Mar.	31 10	+147	-41	+04	-0.7 ^m	-1.5 ^p
				<i>reset</i>	<i>reset</i>	<i>ST_m</i>
Apr.	1 10	+145.8	-40.9	+09.4	+01.4	-0.3

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Date Tuesday April 1-2, 1941 14-6 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6553	HD 60406	07 29.2	+61 46	I-12	Astria II	set 010	+5.8	19 29	21 09	3
6554	" 104381	11 56.1	+12 56	"	"	"	+5.8	22 45	00 09	4
6555	" 117817	13 27.7	+14 54	"	"	"	+5.8	00 35	02 15	1
6556	" 127740	14 28.0	+14 31	"	"	"	+5.5	02 19	03 59	2
6557	" 145228	16 04.7	+12 01	"	"	"	+5.5	04 03	05 23	3
6557 _F	B Focus test			"	"	.005	+2.0	Outside the base		A

Temp set 24.9

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																								
21 29.2	2.00 W	+61 42	1	7.59	F5 2-2-2	KSA 11 Telescope E of film [Occultation of Aldebaran observed with moving film in cross frames]																								
0 34 W	+12 41	0-1	6.93	A0 2-2-2	K.S.A. 80	New list.																								
1 09 W	+14 41	1	7.36	F0 2-2-2	" 81	" "																								
1 52 W	+14 17	1	7.46	F5 2-2-2	" 82	" "																								
1 40 W	+11 54	1-0	7.27	F2 2-2-2	" 84	" "																								
Call 16.57. 26.18 till 20.32				1 follow out 14-18																										
2-2-2 comparisons rather weak. Suggest 3-3-3 H.																														
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Apr. 2.</td> <td>10</td> <td>+1 44.3</td> <td>-40.5</td> <td>+11.8</td> <td>+04.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+0.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Rest</td> </tr> </table>		MC	SC	SW	MT	ST	Apr. 2.	10	+1 44.3	-40.5	+11.8	+04.0						+0.7						Rest
	MC	SC	SW	MT	ST																									
Apr. 2.	10	+1 44.3	-40.5	+11.8	+04.0																									
					+0.7																									
					Rest																									

Pointer 23.5

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS												
8 24	11 ^m W	47 06	1-2	699	G5	3-3-3 He. KSA 28												
9 30	29 W	27 40	1	659	A0	3-3-3 M " 53												
10 55	40 ^m W	41 36	1-2	738	F0	3-3-3 Y KSA Supp 30												
24	0 52 W	27 36	1-2	746	A2	3-3-3 Y " " 56												
25	0 30 W	26 05	1-0	7.25	F5	3-3-3 K.S.A. 58 New list												
28	0 38 W	31 44	1	7.28	F5	3-3-3 " 59 " "												
29	0 32 W	28 59	1	7.58	F0	3-3-3 " 61 " "												
						<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Apr. 3</td> <td>10 +1 43.1</td> <td>-40.3</td> <td>+12.4</td> <td>+03.0</td> <td>+0.2</td> </tr> </table>		MC	SC	SW	MT	ST	Apr. 3	10 +1 43.1	-40.3	+12.4	+03.0	+0.2
	MC	SC	SW	MT	ST													
Apr. 3	10 +1 43.1	-40.3	+12.4	+03.0	+0.2													

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Date *Thurs. Ap. 3-4, 1941* B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6565	H.D. 58244	07 19.7	32 06	1-12 1/2	<i>Auto II</i>	.012 .010	+ 8.3	19 31	20 39	1 47 W
								<i>↑ Retired slit after beginning of exp.</i>		
6566	67959	08 05.3	14 56	"	"	.010	+ 8.3	20 44	21 54	2 26 W
6567	89363	10 13.6	18 13	"	"	"	+ 7.8	22 45	23 45	3 09 W
6568	98153	11 12.4	27 54	"	"	"	+ 7.8	23 48	00 58	4 14 W
6569	121648	13 51.6	26 25	"	"	"	+ 7.8	01 03	02 03	1 04 W
6570	131495	14 48.8	33 06	"	"	"	+ 7.8	02 07	03 27	2 10 W
6571	151235	16 41.1	28 32	"	"	"	+ 7.8	03 32	05 16	3 10 W
		<i>Friday April 4-5-1941</i>		<i>H-B. Cloudy</i>						

Pointer at 27.1

Ending Time I.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
20 34	1 47 W	32 01	1-0	6.81	A ₀	3-3-3 K.S.A. 51 Hd. Demonstrated telescope to group of H's students. Hazy																					
21 54	2 16 W	14 49	1	6.14	A ₀	3-3-3 " 76 M Thick haze Stopped work because of haze. Nearly clear by 22 ³⁰																					
23 45	2 00 W	17 59	1	6.62	A ₀	3-3-3 " 78 New list Y Pointer at 26.3																					
01 38	2 14 W	27 42	1	6.86	A ₂	3-3-3 " 55 " H Hazy																					
02 33	0 41 W	26 13	1	6.91	F ₀	3-3-3 " 58 " Y																					
03 29	1 08 W	32 54	1-0	7.21	F ₂	3-3-3 " 59 " H Hazy																					
05 16	1 05 W	28 27	1	7.57	F ₅	3-3-3 " 61 " H Hazy light clear																					
<table border="0"> <tr> <td></td> <td></td> <td>NC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Apr. 4</td> <td>10</td> <td>+1 41.7</td> <td>-39.7</td> <td>+18.0</td> <td>+05.2</td> <td>+0.2^m</td> </tr> <tr> <td>Apr. 5</td> <td>10</td> <td>+1 40.7</td> <td>-39.5</td> <td>+20.4</td> <td>+02.2</td> <td>+0.2^m</td> </tr> </table>									NC	SC	SW	MT	ST	Apr. 4	10	+1 41.7	-39.7	+18.0	+05.2	+0.2 ^m	Apr. 5	10	+1 40.7	-39.5	+20.4	+02.2	+0.2 ^m
		NC	SC	SW	MT	ST																					
Apr. 4	10	+1 41.7	-39.7	+18.0	+05.2	+0.2 ^m																					
Apr. 5	10	+1 40.7	-39.5	+20.4	+02.2	+0.2 ^m																					

Counter at 29.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
20 ⁴²	2 ¹⁴ W	31 48	1	6.63	B ₈ 3-3-3	K.S.A. 51 Hd.												
22 ¹⁷	2 ⁰⁰ W	16 06	1	7.25	B ₉ 3-3-3	" 77 M 87271 too near the moon.												
03 ⁰⁰	1 ²⁸ W	18 05	1	6.99	A ₀ 3-3-3	K.S.A. 79 Y <i>new list</i> Light clouds drifting by from N.												
3 ²²	1 ⁵³ W	28 48	1	6.59	A ₂ 3-3-3	" 56 H "												
02 ¹¹	2 ¹⁹ W	26 51	1	7.46	A ₂ 3-3-3	" 58 H "												
04	0 ⁴³ W	32 44	1	6.83	A ₀ 3-3-3	" 61 Y "												
						<table border="0" style="width: 100%;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Apr. 8 10</td> <td>+1 36.7</td> <td>-38.2</td> <td>+02.9</td> <td>-14.8</td> <td>+0.3</td> </tr> </table>		MC	SC	SW	MT	ST	Apr. 8 10	+1 36.7	-38.2	+02.9	-14.8	+0.3
	MC	SC	SW	MT	ST													
Apr. 8 10	+1 36.7	-38.2	+02.9	-14.8	+0.3													

Y burnished mirrors Monday; much better, but pretty badly watermarked and reddened

p. 118

Temperature set 31.4

Ending Time L.L.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS		
20 32	1 56 W	+12 53	1	6.73	A5	3-3-3 KSA 75 mirror very astigmatic & focus changing rapidly		
22 38	2 49 W	+32 06	1-2	7.54	F8	3-3-3 " 52		
23 0	2 30 W	+57 13	2	7.31	F0	3-3-3 " 13 Binary		
1 1	26 W	+41 13	2	6.37	A3	3-3-3 " 32 suff		
Closed up preparatory to sidereal.								
Room Temp at 1 ²⁶ standard time 42° F								
				MC	SC	BW	MT	ST
Apr. 9	10	+136.2	-37.8	+05.8	-16.0	+0.2		
Apr. 10	10	+135.7	-37.8	+09.4	-17.8	+0.3		

Visitors - friends of Prof Gordon

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Pointer at 10.5. Endplug in

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
23 ³⁰	1 41 W	32 07	1-0	6.42	F ₀	3-3-3 K.S.A. 51 Hd } Poor image - frequently appears double.
23 ⁴⁵	2 23 W	32 30	1	2.56	A ₃	3-3-3 " 26 M
23 ⁵¹	1 51 W	44 12	1-2	7.6 (7.46)	F ₅	3-3-3 " 30 H ^{new list} Double; took bright comp.
23 ⁵⁹	1 40 W	45 19	2-3	6.94	F ₀	3-3-3 " 31. Y Image unsteady.
00 ⁰²	2 04 W	44 55	2-3	7.47	A ₀	3-3-3 " 31 Y
00 ⁴⁰	1 17 W	47 32	2-3	7.04	A ₅	3-3-3 " 33 Y
00 ⁵⁰	0 55 W	41 20	2-3	7.27	A ₂	3-3-3 " 34 H Image unsteady
00 ⁵⁵	0 27 W	41 45	2-3	7.56	A ₃	3-3-3 " 36 Y " "
01 ⁰⁰	0 15 W	29 25	2-3	6.62	A ₅	3-3-3 " 62 H
						1 filter in 6-10
						Y developed these plates; when from about 0.03 These plates all heavy.

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Date Friday April 11-12, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6591 F1	<i>Arno test</i>			I-12	Astra II	^{set} 010	+16.6	19 ¹⁵		1
6592	HD 70843	08 19.1	+17 32	"	"	"	+16.6	19 40	20 32	2
6593	82719	09 28.6	+63 14	"	"	"	+16.7	20 37	21 29	3
6594	93075	10 39.8	+57 26	"	"	"	+16.8	21 33	22 21	4
6595	91948	10 31.9	+60 38	"	"	"	+16.8	22 24	23 14	1
6596	98823	11 17.3	+40 44	"	"	"	+16.8	23 ¹³	23 ⁴	2
6597	103984	11 53.4	+48 19	"	"	"	+16.8	23 ⁵⁸	00 40	3
6598	119445	13 38.2	+42 10	"	"	"	+16.8	00 45	01 35	4
6599	125113	14 12.3	+32 40	"	"	"	+16.7	01 40	02 40	1
6600	133109	14 57.6	+56 01	"	"	"	+16.7	02 45	03 35	2
6601	148543	16 23.7	+48 11	"	"	"	+16.7	03 39	04 39	3
6602	172883	18 37.5	+52 06	"	"	"	+16.7	04 43	04 53	1
<i>Sat. Apr. 12-13 Y-B Increasing cloudiness Sunday rain.</i>										
<i>Mon. Apr. 14-15 B-L Cloudy at sunset. Clear later, but hazy.</i>										
<i>Tuesday April 15-16 H-L mostly cloudy; some intervals of thick haze.</i>										

Temperature set 11.9 - End plug ins

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	outside the base			1 filter in 8. 8		Focus set to 26:15. Grade. 2 filter in
2 ³²	1 12 W	+17 23	1-2	7.46	F5	3-3-3 KSA 76 main figure terrible
2 ³¹	0 59 W	+63 02	2	7.56	F0	3-3-3 12 supp. main improving but poor.
22 ³⁰	0 40 W	+57 15	2	7.31	F0	3-3-3 13 binary
	1 42 W	+60 26	2-3	7.37	F8	3-3-3 13 supp
	1 37 W	+40 29	2-3	7.05	F5	3-3-3 31 supp
	1 49 W	+48 06	3-2	7.39	F2	3-3-3 31
	0 57 W	+41 58	2-3	7.34	K0	3-3-3 33
	1 28 W	+32 30	2	7.57	G5	3-3-3 58 variable seeing
	1 39 W	+55 50	2	7.40	F0	3-3-3 15
04	1 17 W	+48 04	2	7.52	K0	3-3-3 36
06	0 42 E	+52 06	2-3	5.83	B9	3-3-3 B.S.C.
	in Wet 22 ¹⁵ went down					Out watches MT ST SW +18 ⁰ -0.2 +20 ⁰
	landed at 11 ³⁰ went down 10					

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Date *Thurs. Apr. 17-18, 1941 B-L* Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
6603	H.D. 72392	08 22.5	47 28	I 12 1/2	Antia II	.010	+13.2	19 39	20 03	1	0 58 W 49
6604	72778	08 29.6	42 56	"	"	"	+13.2	20 06	20 40	2	1 33 W 42
6605	73971	08 36.1	47 16	"	"	"	+13.2	20 43	21 07	3	1 54 W 4
6606	81995	09 29.1	45 12	"	"	"	+13.2	21 09	21 45	4	1 44 W 45
6607	93075	10 39.8	57 26	"	"	"	+13.1	21 49	22 27	1	1 10 W 59
6608	100030	11 25.5	48 29	"	"	"	+13.1	22 31	23 01	2	1 0 W 48
6609	103799	11 52.1	40 55	"	"	"	+13.1	23 05	23 29	3	1 01 W 4
6610	104241	11 55.2	45 11	"	"	"	+13.1	23 33	00 33	4	2 06 W 4
6611	122080	13 54.5	26 18	"	"	"	+13.0	00 40	01 24	1	0 54 W 2
6612	138085	15 24.7	16 44	"	"	"	+13.1	01 30	02 20	2	0 40 W 16
Friday, Apr 18-19 Y-B haze, lightning in S, clouds in N.											
Saturday April 19-20 H-B cloudy.											

Pointer at 9.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 58 W	47 20		2-3	6.62 A ₀	3-3-3	Apr. 15 10 MC SC SW MT ^s ST ^m +136.0 -35.7 +20.9 +17.0 +0.1
				K.S.A. 28 M	Apr. 16 16	+0.4 -35.8 +22.0 +11.0 -0.2 ^m
1 33 W	42 48		2-3	204 A ₂	3-3-3	K.S.A. 28 Hd Readjusted + rest
1 54 W	47 07		3	6.99 G ₅	3-3-3	Apr. 17 10 -02.2 -35.7 +22.3 +04.6 ^s -0.3 ^m
					K.S.A. 28 Hd 16	-02.8 rest
1 44 W	45 01		2-3	7.26 A ₅	3-3-3	K.S.A. 29 M
1 10 W	57 15		2-3	7.31 F ₀	3-3-3	Binary H Photo spotted 15 m.
1 00 W	48 15		2-3	7.16 G ₅	3-3-3	K.S.A. 31 Partick H
1 01 W	40 42		3	6.96 F ₅	3-3-3	" 31 Y
2 02 W	44 57		2-3	7.47 A ₀	3-3-3	" 31 Y Haze, sky thickening
2 54 W	26 06		2-3	7.15 A ₅	3-3-3	" 58 Y Haze
3 40 W	16 36		2-3	7.55 K ₀	3-3-3	" 83 H Haze, thicker
						Sky remaining mostly cloudy
						Apr. 18 10 MC SC SW MT ^s ST ^m -03.8 -35.2 +22.6 +02.1 -0.4
						19 10 +02.0 -0.3 ^m

Printer at 27.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS						
	1 ⁵ W	45 59	1	6.61	A ₀	3-3-3	K.S.A. 28M Apr. 21 09	MC -15.3	SC -34.6	SW +25.0	MT +09.8	ST -0.5
							<i>windy - image dancing rapidly</i>					
	0 39W	57 14	1	7.31	F ₀	3-3-3	Binary H					
	0 50W	45 18	1	6.94	F ₀	3-3-3	K.S.A. 31 Y					
	1 11W	27 38	1-2	7.46	A ₂	3-3-3	" 56 Y					
	1 54W	33 04	1	6.82	A ₅	3-3-3	" " Y					
	1 11W	26 49	1	7.46	A ₂	3-3-3	" 58 H					
	0 22W	31 58	1	7.49	G ₀	3-3-3	" 60 H					
	0 22W	25 58	1	7.04	B ₉	3-3-3	" 61 Y <i>Wind increasing image unsteady</i>					
	0 17W	11 50	1	6.76	A ₀	3-3-3	" 86 H					
							Apr. 22 10	-19.1	-34.6	⊕	+05.6	-0.4

Visitors 25 ± 0.4 A,

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
8 27	1 ^m W	+27° 25'	2-1	6.88	G ₃	3-3-3	new ^{54-Y} clouds at times, Difficult to estimate comp.
10 42	13 ^m W	25 48	1-0	7.30	A ₂	3-3-3	← Not sure if 1 st comp was put in
12 02	40 ^m E	41 12	0-3	6.37	A ₃	3-3-3	" Seeing ^{32-H} very variable
14 37	2 ^m W	32 22	1	7.55	A ₂	3-3-3	K.S.A., 57 ^{rebut} Y
16 30	0 32 W	31 10	0-1	6.97	FAS	3-3-3	" 58 Y
18 03	0 37 W	43 16	0-1	6.88	A ₂	3-3-3	" 34 Y
20 03	0 14 E	27 33	2-3	7.37	K ₂	3-3-3	" 60 Y
22 07	1 05 W	15 16	1-0	7.57	A ₃	3-3-3	" 84 Y
24 00	1 15 W	18 06	1-0	6.90	B ₉	3-3-3	" 85 Y
							MC SC
							Apr. 23 13 -24.5 -35.0
							Apr. 24 10 -31.1 -35.2
							16 +01.6
							Reset + regulated

Powder 27.4

MT ST
+03.1 -0.4
+01.3 -0.5

Temperature set 30.4

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																
0 14W	+57 13	1	7.31	F0	3-3-3	Binary															
0 53W	+60 00	1	7.0?	A5	3-3-3	KSA 13															
0 57W	+77 47	1	6.64	A0	3-3-3	" 5															
1 05W	+28 37	2	6.75	A5	3-3-3	" 57															
1 34W	+32 32	1-2	7.31	K2	3-3-3	" 58 Hazy															
0 33W	+41 14	2	7.27	F5	3-3-3	" 35 Clear															
2 03W	+31 56	1	7.49	G0	3-3-3	" 60 Hazy at 3 ²⁰ 2 ^m by 3 ⁴⁵															
					Apr. 26	<table border="0"> <tr> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>10 +06.6</td> <td>-30.2</td> <td>-03.0</td> <td>+01.0</td> <td>-0.5</td> </tr> <tr> <td colspan="5">But +01.0</td> </tr> </table>	MC	SC	SW	MT	ST	10 +06.6	-30.2	-03.0	+01.0	-0.5	But +01.0				
MC	SC	SW	MT	ST																	
10 +06.6	-30.2	-03.0	+01.0	-0.5																	
But +01.0																					

133

Date Saturday April 26-27 Y-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H)	Hour Angle End	D
6647	H.D. 88639	10 08.2	27 39	I-12	Astra II	.00.2	+14.7	8 ^h 00 ^m	8 40	1	36 ^m W +2	
6648	HD 93044	10 39.6	41 50	"	"	"	14.6	8 44	9 44	2	1 ^h 03 W	
6649	HD 104241	11 55.2	45 11	"	"	?	14.7	9 51	11 21	3	1 24 W	
6650	HD 118295	13 30.9	44 43	"	"	?	14.3	11 24	12 00	4	2 24 W	
6651	HD 124883	14 11.0	28 12	"	"	.010	14.4	00 03	01 15	1	1 04 W	
6652	132890	14 56.5	62 04	"	"	"	14.4	01 20	02 10	2	1 15 W	
6653	136831	15 17.7	12 56	"	"	"	14.3	02 15	02 41	3	1 23 W	
6654	144839	16 02.8	13 36	"	"	"	14.4	02 45	04 31	4	1 29 W	
<i>Sunday clear</i>												

45 Visitors, High School pt Colborne.

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Poinler 9.8 end plus 4 m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
8 40	30 ^m W	+27 25	1	6.88	G5	3-2-3	Y New List 54
9 44	1 ^h 03 W	41 37	2-1	7.38	F0	3-2-3	Y " " 30
11 21	1 24 W	44 57	1+0	7.47	A0	3-2-3	Y " " 31
12 30	1 29 W	44 30	1	6.77	A5	3-2-3	Y " " 33 Numbered this plate 6651 ?
1 05	1 04 W	28 00	1-0	7.22	A2	3-3-3	403 one 58. 1 plate more, " " " 6651*
1 10	1 15 W	61 53	1	7.10	A2	3-3-3	H 15 " "
1 24	1 23 W	12 45	1	6.20	A.	3-3-3	M 83 " "
1 31	2 29 W	13 30	1-0	7.52	F2	3-3-3	M 84 " " Image very unsteady
							Apr. 28 10 MC SC SW MT ST -01.0 -29.1 +02.1 +04.0 -0.7

Cleaned slit of spectroph

p. 136

Printer at 13.7

Ending Time
E.S.T.

1
2
3
4

Hour Angle End	Declination	Seeing	Ptg. Mag.
0 20 W	57 13	2-1	7.31 F ₀
2 08 W	42 18	1-2	6.90 A ₃
2 29 W	57 14	1	7.31 F ₀
3 38 W	56 35	1-2	7.32 B ₉
4 55 W	57 14	1-2	7.31 F ₀
0 23 E	32 38	2	7.26 K ₀
0 26 E	27 06	2-1	7.22 A ₂
0 09 E	28 41	2-1	7.43 K ₀

REMARKS
Binary H. dirty sky
A.P. Star List HA
Bin (wrong star) hazy
A.P. List M
Binary
A.P. List Y
" " M
" " H

	MC	SC	SW	MT	ST
Apr. 29 14	-01.0	-28.9	+04.0	+05.3	-0.5

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Date *Tuesday April 29-30, 1941 H-L* Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6663	HD 93075	10 39.8	+57 26	I-12	Astra II	^{S&T} 010	22.5	20 03	21 03	1
6664	100054A	11 25.7	+60 15	"	"	"	22.6	21 08	22 08	2
6665	100054A	"	"	"	"	"	22.6	22 09	23 39	3
6666	119476	13 38.4	+65 20	"	"	"	22.5	23 44	00 00	4
6667	93075	10 39.8	+57 26	"	"	"	22.5	00 04	01 14	1
6668	153720	16 56.0	+75 34	"	"	"	22.5	01 23	02 19	2
6669	163466	17 51.2	+60 25	"	"	"	22.5	02 25	03 09	3
6670	166976	18 08.0	+12 22	"	"	"	22.5	03 18	04 30	4
	Focus test									

Outside through box

Thermostat set 16.0; end policy in.

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS														
21	0 34 W	+57 15	3-2	7.31	F ₀	3-3-3	Bin. KSA 13 Very light haze. Seeing variable														
22	0 53 W	+60 00	3	(7.0)	A ₅	3-3-3	13 Brighter component														
23	2 25 W	"	2	(8.0)		3-3-3	13 Fainter comp.														
00	0 34 W	+65 08	2	5.70	A ₀	3-3-3	BSC														
14	4 45 W	+57 14	2	7.31	F ₀	3-3-3	Bin. KSA 13														
9	0 22 E	+75 28	2	7.12	F ₀	3-3-3	A.P. List														
13	0 29 E	+60 23	2-3	6.88	A ₂	3-3-3	"														
18	0 34 W	+12 22	2-3	7.55	F ₀	3-3-3	"														
						1 Filter 6-10															
							<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td></td> <td>ME</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST_m</td> </tr> <tr> <td>Apr. 30</td> <td>10</td> <td>-02.6</td> <td>-28.6</td> <td>+05.7</td> <td>+04.2</td> <td>-0.7</td> </tr> </table>			ME	SC	SW	MT	ST _m	Apr. 30	10	-02.6	-28.6	+05.7	+04.2	-0.7
		ME	SC	SW	MT	ST _m															
Apr. 30	10	-02.6	-28.6	+05.7	+04.2	-0.7															

Delayed opening because of hazy sky.

Pointer at 13.1

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 ³⁰ 2	10 ⁹ W	57 15	1	7.31 F ₀	3-3-3 Bin. H windy - hazy
22 ²⁴ 3	12 ⁷ W	17 38	1	6.87 A ₀	3-3-3 New List M 79 0.2 ^m haze?
0 ⁵⁸ W	46 "	46 "	1-2	7.00 A ₂	3-3-3 f " " Y 32
0 ²⁰ W	42 27	42 27	1-2	7.54 A ₂	3-3-3 f " " Y 33
0 ⁵¹ W	18 16	18 16	0-1	7.40 A ₀	3-3-3 New List Y 84
0 ³⁸ W	28 06	28 06	0-1	7.02 A ₀	3-3-3 New " " H 61
0 ¹⁹ W	17 56	17 56	0-1	6.51 B ₉	3-3-3 f " " Y 86 Haze
					MC SC SW NT ST May 2 10 +05.3 -26.8 +100 +060 +06

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Date May 2-3 Friday

Y-13

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
6678	HD 93075	10 39.8	+57 26	I-12	Astron	010	+13.9	8 07	9 37	1	1 19 W
	<i>Image fully twice length of slit. in diameter. Last half hour</i>										
6679	HD 103483	11 49.9	47 02	"	"	"	13.9	9 47	10 37	2	1 10 W
6680	HD 121247	13 49.2	42 41	"	"	"	14.0	10 43	11 33	3	7 ^m W
6681	HD 123033	14 00.2	26 18	"	"	"	14.0	11 38	0 38	4	01 W
6682	HD 135679	15 11.3	26 01	"	"	"	14.0	00 42	01 16	1	28 W
6683	136654	15 16.8	31 49	"	"	"	14.0	01 19	02 15	2	33 W
6684	145931	16 08.5	42 38	"	"	"	14.0	02 18	03 09	3	20 W
6685	148551	16 23.8	45 11	"	"	"	14.0	03 07	03 55	4	50 W
6686	161019	17 38.1	27 40	"	"	"	14.0	03 59	04 17	1	1 03 W
	<i>Focus test Outside through base. Focus 26.18 Tilt 00.32</i>										

Pointer 9.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
9 37	1 19 W	57 14	0	7.31	F0	3-3-3	Seems to be an error in sidereal watch +0.6 ^m ?
1 half hr	Seeing better, about 1						
10 37	1 10 W	46 48	0-1	6.46	A0	3-3-3	M - KSA 31 Double. This is west star (slightly north)
11 33	7 ^m W	42 27	1	6.69	A0	3-3-3	Y New list 33
10 38	1 01 W	26 05	1	7.25	F5	3-3-3	Y " " 58
11 16	1 02 ^m W	25 52	1	6.67	A0	3-3-3	Y 5/1. 59
11 5	1 23 W	31 40	1-2	7.28	F5	3-3-3	Y " " Y
11 02	1 20 W	42 32	2	7.19	F5	3-3-3	Y " 35 Y
11 55	1 56 W	45 04	2	7.27	A0	3-3-3	Y " 36 Y
11 54	1 03 W	27 40	2-3	6.60	A3	3-3-3	Y " 62 Y
						24-40	

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Date Saturday May 3-4, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6687	HD 93075	10 39.8	+57 26	I-12	astron II	slit 010	+14.9	22 11	23 21	2 3 07 W +5
										about high man 2:30
6688	120787	13 46.5	+61 59	"	"	"	+15.0	23 27	00 35	1 17 W 20
6689	135517	15 10.4	43 26	"	"	"	+15.0	00 41	01 39	0 57 W 4
6690	145435	16 05.9	41 22	"	"	"	+15.0	01 44	03 00	1 23 W 4
6691	156987	17 15.5	28 07	"	"	"	+15.0	03 06	04 10	2 3 W 2

Cleaned slit jaws (dust line on plates of

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS														
						About 40 visitors. H showed Moon in 74-inch. N showed Moon & rings light haze & seeing rather poor.														
23	3 ⁰⁷ W	+57 13	1-2	7.31	F0 3-3-3	Binary. Hazy at start, thinning out.														
24	1 ¹⁷ W	+61 46	1-2	7.05	K0 3-3-3	g KSA14 hazy														
01	0 ⁵⁷ W	43 14	1	6.69	A5 3-3-3	nw" 34 "														
02	1 ²³ W	41 13	1-2	7.27	F5 3-3-3	p" 35 "														
04	1 ²³ W	28 04	1	2.02	A0 3-3-3	nw" 61 "														
						<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td></td> <td style="text-align: center;">MC</td> <td style="text-align: center;">SC</td> <td style="text-align: center;">SW</td> <td style="text-align: center;">MT</td> <td style="text-align: center;">ST</td> </tr> <tr> <td>May 5</td> <td>10</td> <td style="text-align: center;">+02.6</td> <td style="text-align: center;">-29.2</td> <td style="text-align: center;">+18.4</td> <td style="text-align: center;">+07.5</td> <td style="text-align: center;">-0.5</td> </tr> </table>			MC	SC	SW	MT	ST	May 5	10	+02.6	-29.2	+18.4	+07.5	-0.5
		MC	SC	SW	MT	ST														
May 5	10	+02.6	-29.2	+18.4	+07.5	-0.5														

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Date Monday May 5-6, 1941 B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6692	H.D. 93075	10 39.8	+57 26	F-12 $\frac{1}{2}$	Astron II	.010	+16.6	20 ¹⁰	(21 ⁰⁶)	3	1 ⁰¹ W) 5
Tuesday May 6-7, 1941 H-L cloudy											

Pointer at 111

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS						
06	(10' W)	57 15	0	2.31	F ₀	3-3-						
						<i>Bin. H. Clouds at 21 h</i>						
						<i>Closed cap.</i>						
						<table border="0"> <tr> <td></td> <td>MC</td> <td>S.C.</td> <td>SW</td> <td>MT</td> <td>S.T.</td> </tr> </table>		MC	S.C.	SW	MT	S.T.
	MC	S.C.	SW	MT	S.T.							
	<i>May 6</i>	<i>10</i>	<i>+05.4</i>	<i>-25.5</i>	<i>+19.6</i>	<i>+08.4</i> ^m <i>-0.5</i> ^m						
	<i>May 7</i>	<i>10</i>	<i>+05.8</i>	<i>-23.4</i>	<i>+21.3</i>	<i>+10.2</i> ^s <i>-0.4</i> ^m						

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Date Wed. May 7-8

Y-L

Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
66973	HD 100150	11 264	18 19	I-12	Astra	010	17.7	8 59	9 45	4
	clouds and shonery all day, cleared most sky, sun about moon at night. started in									
	Too much haze around, closed up -									
	Clearing again to-ward midnight									
66974	H.D. 128296	14 31.0	11 30	I-12 ¹ / ₂	Astra II	^{set} .010	+16.0	00 27	02 17	1
66975	" 157297	17 17.3	11 47	"	"	"	+16.0	02 20	03 20	2
66976	" 165910	18 03.2	13 03	"	"	"	+16.0	03 24	03 50	3

Powder 12.2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
9 45	1	18 05		6.99	A ₀	3-3-3 sw logy. (mount)
8 30	but shut up again till 9 00					
2 30 W	11 20	1	7.52	A ₃	3-3-3	KSA. 82 New List haze
0 46 W	11 43	1	7.08	A ₀	3-3-3	" 85 "
0 30 W	13 05	1-0	6.46	A ₀	3-5	sw" 86 A.P. List ^M Clouds, filled in solved by 03 30.
May 8	10	+06.0	MC	SC	SW	HT ₀ 0.1 +14.0 +15.3 -0.1
May 9	12	+05.0				+14.6 +15.3 -0.1 -03 approx

578
p. 153

Date Friday May 9-10, 1941 B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6698	H.D. 120005	13 41.7	31 22	I-12 1/2	Auto II	.010	+09.5	23 05	23 55	1
6699	121698	13 51.6	26 25	"	"	"	+09.0	23 58	00 48	2
6700	198228	16 21.5	11 40	"	"	"	+09.0	00 53	(01 15)	3
				Last plate not kept.						

Cloudy earlier in evening. Strong wind.

Printer at 276

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 04 W	31 "	1	6.99	F5	3-3-3	K.S.A. 58 Y
1 47 W	26 "	1	6.97	F0	3-3-3	" " Y Light clouds
0 15 E	11 3'	1	7.21	K0	3 5	84 H Heavy broken clouds Closed up 1 45 - sky thick
For visitors Saturday						
24 Comae Ber. R.A. 1947 { 12 38.4						
Dec. + 18° 42'						
4.5 - 6.2 G _s - F ₀ distance 200 ±						
+ 3.7 Km sec farther star s. b. two spec						
20" p.a. 270°						

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about 30 visitors -

Moon Miss N S. Tel
24 Coma 74" OK.

Pointer 28.6 end plug out.

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS																		
15 ^m W	26 07	1	7.15	A5	3-3-3	♀ No danger of other star getting on slit																		
12 ^m W	32 28	1-2	7.57	B5	3-3-3	Another star about 5' n (check) Slide not drawn.																		
13 ^m W	32 59	1-2	7.21	F ₂	3-3-3	KSA. 59 H Cirrus clouds																		
106 W	11 32	1-2	7.21	K ₀	3-3-3	" 84 H " "																		
125 W	17 32	1-2	7.28	F5	3-3-3	" 85 Y Clouds thicker																		
					1 filter out. 6-10																			
						<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>May 12</td> <td>10</td> <td>+03.9</td> <td>-02.7</td> <td>+17.1</td> <td>-25.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+0.3</td> </tr> </table> <p style="text-align: right;">Rest - stopped</p>		MC	SC	SW	MT	ST	May 12	10	+03.9	-02.7	+17.1	-25.8						+0.3
	MC	SC	SW	MT	ST																			
May 12	10	+03.9	-02.7	+17.1	-25.8																			
					+0.3																			

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Date ^{11 May} Monday, 12-13, 1941 B-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6704	HD 93075	1039.8	57 26	I-12 1/2	Astra II	.010	+12.5	20 12	20 38	4
6705	98526	1115.0	45 32	"	"	"	+12.8	20 42	20 52	1
6706	98823	1117.3	40 44	"	"	"	+13.0	20 56	21 06	2
6707	100030	1125.5	48 29	"	"	"	+12.9	21 13	21 29	3
6708	103799	1152.1	40 55	"	"	"	+12.9	21 34	21 46	4
6709	103984	1153.4	48 19	"	"	"	+12.8	21 51	22 31	1
6710	93075	1039.8	57 26	"	"	"	+13.0	22 36	23 16	2
6711	123691	1404.1	48 41	"	"	"	+13.0	23 20	23 46	5
6712	134646	1505.9	63 30	"	"	"	+12.9	23 50	00 08	4
6713	135501	15 10.3	56 26	"	"	"	+13.0	00 12	00 46	1
6714	139992	15 36.2	56 13	"	"	"	+13.0	00 51	01 25	2
6715	154355	16 59.9	58 42	"	"	"	+12.9	01 30	02 04	7
6716	154391	17 00.1	60 47	"	"	"	+12.9	02 08	02 32	4
6717	161285	17 39.6	63 44	"	"	"	+12.9	02 36	03 06	1
6718	177152	18 58.4	44 14	"	"	"	+12.9	03 11	03 51	2

Pointer at 30.3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
20 ³¹ 4	1 ⁰⁰ W	59 15	3-4	7.31	F ₀	3-3-3 Bin. H
20 ⁵² 1	0 ³⁸ W	45 18	4	6.99	F ₀	3-3-3 K.S.A. 31 Y Beautiful diffraction pattern
	0 ⁵³ W	40 29	4	7.05	F ₅	3-3-3 " " H clouds lower in sky but
	1 ⁰⁵ W	48 15	4	7.16	G ₅	3-3-3 " " H zenith is apparently free of
	0 ⁵⁶ W	40 39	4-3	6.96	F ₅	3-3-3 " " Y them.
	1 ³⁴ W	48 04	3-2	7.39	F ₂	3-3-3 " " H
	3 ³⁷ W	57 14	3-2	7.31	F ₀	3-3-3 Bin. H thin cirrus clouds
	0 ⁴⁴ W	48 29	3-4	7.11	F ₂	3-3-3 K.S.A. 33 H
	0 ⁰⁶ W	63 18	3	7.09	F ₂	3-3-3 " 15 Y
	0 ³⁹ W	56 15	3	7.46	A ₂	3-3-3 " " H
	0 ⁵² W	56 05	3	7.20	B ₉	3-3-3 " " Y Image unsteady
	0 ⁰⁸ W	58 38	3	7.55	F ₅	3-3-3 " 16 Y
	0 ³⁶ W	60 45	3	7.24	K ₀	3-3-3 " " H
	0 ³¹ W	63 42	3-2	7.25	F ₅	3-3-3 " " Y
	0 ⁰⁴ E	44 18	3-2	7.40	B ₉	3-3-3 " 38 M Old but light clouds, sky
						filling in from the south

all exposures too heavy

Date Tuesday, May 13-14, 1941 H-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6719	HD 93075	10 39.8	+57 26	I-12	Astera II	Set 010	16.3	20 19	20 45	3
6720	91948	10 31.9	+60 38	"	"	"	16.3	20 48	21 12	4
6721	89686 ⁷⁵	10 15.9	+44 26	"	"	"	16.3	21 17	21 55	1
6722	" sp	"	"	"	"	"	16.4	21 56	22 40	2
6723	93075	10 39.8	+57 26	"	"	"	16.5	22 43	23 13	3
6724	120787	13 46.5	+61 59	"	"	"	16.4	23 16	23 32	4
6725	124186	14 06.9	+32 45	"	"	"	16.4	23 36	23 46	1
6726	128168	14 30.3	+13 33	"	"	"	16.3	00 02	00 42	2
6727	137182	15 19.5	+10 54	"	"	"	16.4	00 45	01 25	5
6728	153454	16 54.6	+17 51	"	"	"	16.3	01 30	02 20	4
6729	157702	17 19.7	+18 56	"	"	"	16.3	02 24	03 06	1
6730	168498	18 14.9	+11 50	"	"	"	16.4	03 "	03 51	2
Thurs. May 15-16		B-L		Rain						
Fri. May 16-17		Y-B		Mostly cloudy						

Temperature set 11.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS							
						MC	SC	SW	MT	ST			
21 15	1 10 W	+57 13	3	7.31	F0	3-3-3	may 13	10	+03.8	-01.6	+20.4	-25.0	-0.1
	1 45 W	+60 25	3-2	7.37	F8	3-3-3 _g							Best
21 55	2 44 W	+44 12	3-2	7?	F5	3-3-3 _{nw}	Combined mag given as 7.46.		Brighter, n, f.				
22 00	3 39 W	+44 12	3-2	8?		3-3-3 _w	10"	7.5-8?	Fainter, s, f.				
22 10	3 35 W	+57 13	3	7.31	F0	3-3-3 _g							
22 12	0 58 W	+61 48	3	7.05	K0	3-3-3 _{nh}	seeing good but variable.						
22 18	0 55 W	+32 35	3-2	7.31	K2	3-3-3 _g							
22 42	1 18 W	+13 18	3-2	7.20	A3	3-3-3 _g							
22 50	1 12 W	+10 44	3-2	7.19	A0	3-3-3 _g							
23 00	0 32 W	+17 47	3-2	7.56	A0	3-3-3 _g							
23 02	0 53 W	+18 54	3-2	7.48	A0	3-3-3 _g							
23 10	0 43 W	+11 51	3-2	7.34	A0	3-3-3 _g	Light clouds						
							MC	SC	SW	MT	ST		
						may 14	14	+03.4	-0.7	+24.2	-25.6	+0.3	
							15	+03.3	+0.1	+26.4	-23.4	+0.4	
							16	+02.8	+0.9	+28.5	-23.4	+0.3	

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Date Saturday, May 17-18, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6731	HD 93075	10 39.8	+57 26	I-12	Astria II	cut 010	13.0	22 20	23 40	3
6732	119445	13 38.2	+42 10	"	"	"	13.0	23 43	01 03	4
6733	137854	15 23.3	+12 12	"	"	"	13.0	01 08	02 20	1
6734	158013	17 21.7	+57 05	"	"	"	13.0	02 26	03 00	2
6735	173415	18 40.1	+47 ²⁹ 31	"	"	"	13.2	03 05	03 53	3
	Focus test	Outside the base								3
Sunday	clear.									
	Monday	May 19	B							
6735F	Focus test	Setting 2	F. 26.18	Tilt. 20.32	Outside the base					4
	"	5	26.15	"	"	"				
	"	7	26.17	"	"	"				
			26.17 is in good focus. Left at this setting							

About 50+ visitors. H showed Y Lania + M3 with 74"
 N shows Beshire cluster with 4"

Temperature set 8.9

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
03 4	4 22 W	+57 14	1	7.31	F0	3-3-3 g KSA 13. Binary
03 4	2 45 W	+41 56	1-0	7.34	K0	3-3-3 g " 33
02 20	2 19 W	+12 03	1-0	7.24	F0	3-3-3 nw" 83
03 00	1 02 W	+57 04	1	6.61	A ₂	3-3-3 g " 16 Hd
03 53	0 37 W	+47 30	1	6.95	A ₂	3-3-3 g " 38 1 filter out 6-10
						<div style="text-align: center;"> MC SC SW MT ST </div> May 19 13 +01.4 +01.5 +34.0 -18.8 +0.3
	Slit .005		Temp 16.5			1 filter out 8-12
	"					12-16
	"					12-16

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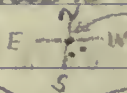
Date Monday, May 19-20, 1941 B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6736	HD 93075	10 39.8	57 26	I-12 1/2	Orton II	.010	+22.5	20 ²⁶	20 ⁵⁶	1	145 W
6737	92278	10 34.2	47 22	"	"	"	+22.7	21 ⁰⁴	21 ⁴²	2	238 W
6738	99004	11 18.5	17 31 ⁴²	"	"	"	+22.7	21 ⁴⁷	22 ²³	3	235 W
6739	100518	11 29.0	11 35	"	"	"	+22.6	22 ²⁷	22 ¹⁹	4	250 W
6740	126246	14 19.3	11 42	"	"	"	+22.5	22 ⁵⁵	23 ⁴¹	1	252 W
6741	126246	"	"	"	"	"	+22.6	23 ⁴²	00 ³⁴	2	145 W
6742	140084	15 36.7	76 46	"	"	"	+22.5	00 ⁴⁵	01 ⁴⁵	3	142 W
6743	151043	16 39.8	77 57	"	"	"	+22.5	01 ⁵⁵	02 ³⁹	4	133 W
6744	154099	16 58.3	73 17	"	"	"	+22.5	02 ⁴⁵	02 ⁵⁹	1	134 W
6745	170710	18 25.8	46 22	"	"	"	+22.5	03 ⁰⁴	03 ⁵⁴	2	159 W

Pointer at 15.8

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 45 W	57 13	3	7.31	F ₀	3-3-3 Bin H Cirrus clouds
2 38 W	47 10	2-3	7.36	A ₂	3-3-3 K.S.A. 30 M
2 35 W	17 29	2-3	7.09	A ₂	3-3-3 " 79 M
2 50 W	11 18	2	6.52	A ₂	3-3-3 " 79 M
0 52 W	11 31	2-3	7.2	F ₅	5-3-3 " 82 H Double star sp. brighter
1 45 W	"	2-3	7.3	F ₅	3-3-3 " " H Np
1 42 W	76 36	3-2	7.58	A ₂	3-3-3 " 6 H
1 33 W	77 49	3	7.42	F ₈	3-3-3 " 6 H Other stars in field, but fainter
1 34 W	73 "	3	6.38	A ₅	3-3-3 " 6 Hd
0 59 W	46 20	2-3	7.46	F ₀	3-3-3 " 38 Y



When taking the focus test I noticed 1 filter had slipped part way out.

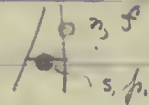
May 20 10 MC +0.8 SC +0.5 SW +34.5 MT -18.9 ST +0.3

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Date Tuesday, May 20-21, 1941 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6746	HD 93075	10 39.8	+57 26	I-12	astron II	set 010	+26.0	20 28	21 00	3	1 52W +
6747	89686sp	10 15.9	+44 26	"	"	"	+26.0	21 05	22 05	4	3 23W +
6748	89686nf	"	"	"	"	"	+26.1	22 06	22 46	1	1 12W
6749	120787	13 46.5	+61 59	"	"	"	+26.0	22 50	23 10	2	0 57W -
6750	120874	13 47.1	+59 02	"	"	"	+26.0	23 13	23 31	3	1 19W +5
6751	125113	14 12.3	+32 40	"	"	"	+26.0	23 35	00 07	4	2 9W +3
6752	127740	14 28.0	+14 31	"	"	"	+25.9	00 11	00 49	1	1 55W -
6753	137294	15 20.1	+11 20	"	"	"	+25.9	00 52	01 22	2	1 36W -
6754	148543	16 23.7	+48 11	"	"	"	+26.0	01 26	01 50	1	1 01W -
6755	160822	17 36.9	+31 22	"	"	"	+26.0	01 54	02 18	4	1 5W +
6756	164824	17 57.9	+33 20	"	"	"	+26.0	02 22	02 44	1	1 21W +3
6757	165241	17 59.9	+26 39	"	"	"	+25.9	02 46	03 14	2	1 48W +2
6758	176969	18 57.6	+42 07	"	"	"	+25.9	03 17	03 45	3	0 29W -0
6759	175132	18 48.9	+41 16	"	"	"	+26.0	03 47	04 03	4	50W +1
	From list				outside thin base						
	Wednesday - rain										

Some temperature 78 at opening! min 68.
 Thermometer set 18.8 plug in.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.				REMARKS
22	1 53 W	+57 14	3	7.31	F0	3-3-3	KSA 13	Binary } Light clouds
22	3 23 W	+44 12	3	8?	F	3-3-3	w 30	s.p. } 
22	4 02 W	"	3-4	7.5?		3-3-3	w	sf
23	0 57 W	+61 46	3-4	7.05	K0	3-3-3	KSA 14	
23	1 19 W	+58 48	3	6.36	A0	3-3-3	" 14	Seeing variable (W wind)
23	1 29 W	+32 28	3	7.57	G5	3-3-3	" 58	Faint Aurora
23	1 55 W	+14 19	3-2	7.46	F5	3-3-3	" 82	Faint Aurora
23	1 36 W	+11 12	3	7.34	F2	3-3-3	" 83	Aurora bright
23	1 01 W	+48 05	3	7.52	K0	3-3-3	" 36	
23	0 15 W	+31 19	3-4	7.43	K0	3-3-3	" 62	
23	0 21 W	+33 18	4	7.45	K5	3-3-3	" 62	
23	0 48 W	+26 39	4	7.34	F2	3-3-3	" 62	
23	0 23 W	+42 10	4-3-2	7.20	F8	3-3-3	" 38	Seeing changing rapidly
23	0 50 W	+41 19	3-2	6.18	B9	3-3-3	" 38	
2 filled out - one in; 6, 8 seen								MC SC SW MT ST May 21 10 -0.9 +0.5 +31.9 -21.0 -

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Date Friday May 23-24, 1941 H-B Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6760	HD 93075	10 39.8	+57 26	I-12	Astron II	sat 010	18.9	20 43	22 03	1 3 06 W - 5
6761	124186	14 06.9	+32 45	"	"	"	18.9	22 14	23 04	2 0 44 W + 2
6762	125113	14 12.3	+32 40	"	"	"	19.0	23 08	00 28	3 2 02 W + 3
6763	143597	15 56.3	+13 34	"	"	"	18.9	00 32	03 00	4 2 50 W -
Sat. May 24-25 - Y-B Very hazy about 15 visitors										
Sun May 25-26 Clear first part of night										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
							MC SC SW $\overline{MT \quad ST}$ May 22 10 -0.8 +0.4 +34.0 -20.2 +0.3 May 23 14 -2.0 +0.3 +32.9 -20.7 +0.3
22 3	3 06 W	+57 13	1-0	7.31	F0	3-3-3	KSA 13 Light haze
23 4	0 44 W	+22 35	1-0	7.31	K2	3-3-3	58
28	2 02 W	+32 30	1	7.57	F5	3-3-3	58
0 4	2 50 W	+13 26	1-0	7.44	F5	3-3-3	84 Thick haze at 0 ⁴⁰ Image frequently gone. Seeing becoming worse.
							May 26 10 -04.2 +00.5 +30.7 $\overline{-21.2 \quad +0.3}$

Printer at 15.8

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 57 N	+57 13	2-3	7.31	Fo	3-3-3 ² Bin H Partly cloudy and generally hazy during most of exposure.
0 23 W	+58 50	2	6.36	Ao	3-3-3 ^{11.5} H K.S.A. 14 haze - but how much?!
4 50 W	+57 14	2	7.31	Fo	3-3-3 ¹² Bin H " - image very faint Telescope nearly touching N pin More haze so cloud up dome. Rain at 2 00

	MC	SC	SW	MT	ST
May 27	10	-05.4	+0.4	+31.5	-22.2 +0.3
28	10	+02.2	-0.2	+31.9	-23.3 +0.4
29	16	+04.9	-0.7	+29.6	-24.8 +0.3

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
3 ⁵⁵ W	57 13	0	7.31	F ₀	3-3-3	Binary H. Seeing Bad!
1 ⁰² W	55 50	0	7.40	F ₀	3-3-3	New List KSA. 15 H
0 ⁰³ E	58 32	0-1	6.80	A ₃	3-3-3	" " 16 H Seeing improving
0 ¹³ W	62 47	0-1	7.03	F ₂	3-3-3	" " 16 H
1 ²⁶ W	11 16	0-1	7.30	F ₂	3-3-3	" " 86 H " Proper

		MC	SC	SW	NT	ST
may 3	16	+ 0 ⁷	- 0 ^{5.6}	+ 26 ¹	- 26 ³	+ 0 ^m .2

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Date Friday May 30-31

Y-B

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6772	HD 117815	13 27.7	47 46	I-12	Astra II	010	+20.0	8 40	9 30	1	1^h W 4
677 2	HD 123033	14 00.2	26 18	"	"	"	+20.0	9 36	10 30	2	02 ^h W 2
6774 3	HD 136654	15 16.8	31 49	"	"	"	+20.0	10 35	11 25	3	21 ^h W 3
6778 4	HD 146537	16 11.7	27 41	"	"	"	+20.0	11 30	12 30	4	03 ^h W 2
6774 5	148832	16 ^{25.7} 29.3	15 19	"	"	"	+20.0	00 34	01 40	1	1 ^h W 1
6777 6	158806	17 26.2	17 36	"	"	"	+20.0	01 43	02 37	2	15 ^h W 1
6778 7	{ 170542	18 24.9	13 47	"	"	"	+20.0	02 42	03 40	3	15 ^h W 1
	<i>(Focus test outside through base)</i>										
	Saturday, May 31 - June 1, 1941 H-L										
	cloudy. about 60 visitors										
	Sun clear.										

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Date *Mon. June 2-3, 1941* *B* Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6778	93075	10 39.8	57 26	I-12 1/2	<i>Astra II</i>	.010	+22.8 [↓]	20 ⁴⁰	21 ⁴⁰	5
6779	127334	14 25.7	42 15	"	"	"	+23.8	21 ⁴⁵	22 ²⁵	1
6780	127663	14 27.5	43 49	"	"	"	+23.9	22 ²⁸	22 ⁵⁸	2
6781	128092	14 29.9	43 27	"	"	"	+23.9	23 ⁰¹	23 ⁴¹	3
6782	132089	14 52.2	41 32	"	"	"	+23.9	23 ⁴⁴	00 ⁴	4
6783	152031	16 45.9	41 49	"	"	"	+23.8	00 ⁴⁷	01 ⁵⁷	1
6784	161464	17 40.6	33 17	"	"	"	+23.8	02 ⁰¹	02 ⁴	2
6785	179367	19 02.2	44 22	"	"	"	+23.8	02 ⁴⁶	03 ⁴	3
<i>Tuesday June 3-4, 1941 - mostly cloudy</i>										

Printer at 15.7

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
3 25	57 15	2	7.31	F ₀	3-3-3, Pin H, Thin haze, Temp mag L 23.8
0 25 W	42 03	2	7.01	G ₀	3-3-3, K.S.A. 39H
0 56 W	43 38	2	6.81	A ₂	3-3-3, " " Y, Seeing variable
1 36 W	43 14	2	6.88	A ₂	3-3-3, " " Y, Haze condensing into light clouds
2 17 W	41 22	2	7.27	A ₂	3-3-3, " " H
1 38 W	41 44	2-3	7.56	A ₃	3-3-3, " 36 Y, very clear
1 07 W	33 13	2	6.99	B ₈	3-3-3, " 62 Y
1 04 W	44 26	2-3	7.31	A ₅	3-3-3, " 38 Y, light clouds

		MC	SC	SW	MT	ST _m
Jun. 3	15	+01.9?	-04.1	+06.1	-02.8	+0.1
Jun. 4	10	+13.0	-04.5	+06.8	-04.5	-0.0
Jun. 5	10	+15.1	-03.9	+08.8	-08.0	-0.1

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Date Friday June 6-7, 1941 H-B Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6792	HD 93075	10 39.8	+57 26	T-12	Astra II	^{set} 010	26.1	20 53	22 03	2	54 W - 5
6793	119445	13 38.2	+42 10	"	"	"	26.0	22 10	22 50	3	52 W - 4
6794	123691	14 04.1	+48 41	"	"	"	26.0	22 56	00 20	4	58 W - 1
				Saturday June 7-8, 1941							
About 80 visitors				mostly cloudy							
				Y demonstrated telescope							
				N showed slides							
				Sunday - mostly clear.							

Pointer set at 12.05

Ending Time L.T.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	
15:04	4 22 W	57 13	1	7.31	F ₀ 3-3-3
16:04	1 52 W	13 22	1	7.20	A ₃ 3-3-3
18:15	2 16 W	13 38	1	7.56	A ₅ 3-3-3
19:25	1 27 W	18 30	1	7.26	A ₂ 3-3-3
20:25	2 23 W	15 48	1	7.08	A ₃ 3-3-3

Sidereal time read from telescope.
 Binary H. Windy - Image unsteady
 K.S.A. 82 Y New list.
 " 84 Y " "
 " 86 Y " "
 " " Y " "

June 10 10 MC SC SW MT ST m
 +21° -6.8 +13° +9.0 -0.2

183

Date *Tuesday, June 10-11, 1941* H

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6800	<i>Frame test</i>			I-12	<i>Astra II</i>	<i>cut</i> 010. outside thru glass				2
	H.D. 93075	10 39.8	+57 26	"	"	010	19.0	20 51	21 57	2
6801	123691	14 04.1	+48 41	"	"	"	19.0	22 00	22 50	3
6802	132089	14 52.2	+41 32	"	"	"	19.1	22 52	23 56	4
6803	145435	16 05.9	+41 22	"	"	"	19.0	23 58	0 42	1
6804	148543	16 23.7	+48 11	"	"	"	19.0	0 45	1 29	2
6805	167304	18 09.5	+41 08	"	"	"	19.0	1 31	2 11	3
6806	182190	19 18.4	+57 28	"	"	"	19.0	2 14	2 54	4
6807	182440	19 19.6	+57 33	"	"	"	19.0	2 56	3 36	1
<p>Wed June 11-12 <i> haze and light clouds all evening</i></p> <p>Thurs. June 12-13 <i> B Rain Longwood</i></p> <p>Fri. June 13-14 <i> Y-B cloudy</i></p> <p>Saturday June 14-15. <i> H-B clouds with showers about 30 visits</i></p> <p>Sun. June 15-16 <i> partly cloudy</i></p>										

Thermostat 13.9

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																																																												
						Setting 0																																																												
21 57	4 13W	+57 14	1	7.31	F0 3-3-3	Binary Strong N wind. Slight haze setting 5																																																												
22 59	1 44W	+48 29	1-2	7.11	F2 3-3-3	KSA 33 slight haze																																																												
23 5	2 01W	+41 23	2	7.27	A2 3-3-3	34																																																												
23 40	1 34W	+41 14	2-3	7.27	F5 3-3-3	n.h. 35																																																												
23 20	2 03W	+48 05	2	7.52	K0 3-3-3	36																																																												
	1 00W	+41 08	2-3	7.43	K0 3-3-3	37																																																												
	0 35W	+57 32	3	7.45	Ma 3-3-3	17																																																												
	1 15W	+57 39	3	7.57	K2 3-3-3	17																																																												
Monday June 16 B-N																																																																		
Focus test																																																																		
6807T) Setting 3 Focus 26.15 Jilt 20.33 T=19°																																																																		
Setting 6 Focus 26.13 Jilt 20.33 T=19.5																																																																		
26.13 is in good focus.																																																																		
						<table border="0"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Jun. 11 10</td> <td>+22.7</td> <td>-06.3</td> <td>+18.1</td> <td>+10.2</td> <td>+0.3</td> </tr> <tr> <td></td> <td>add wt. 1.0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">Notes readjusted by L.</td> </tr> <tr> <td>Jun. 12 10</td> <td>-0.4</td> <td>-06.6</td> <td>+21.4</td> <td>+09.0</td> <td>+0.3</td> </tr> <tr> <td></td> <td>but</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jun. 13 10</td> <td>-0.6</td> <td>-06</td> <td>+24</td> <td>+09.6</td> <td>+0.3</td> </tr> <tr> <td>Jun. 14 10</td> <td>+4.2</td> <td>-06.6</td> <td>+24.4</td> <td>+07</td> <td>+0.2</td> </tr> <tr> <td>Jan. 16 10</td> <td>+6.7</td> <td>-06.7</td> <td>-07.7</td> <td></td> <td>-0.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td>but</td> <td></td> <td>but</td> </tr> </tbody> </table>		MC	SC	SW	MT	ST	Jun. 11 10	+22.7	-06.3	+18.1	+10.2	+0.3		add wt. 1.0					Notes readjusted by L.						Jun. 12 10	-0.4	-06.6	+21.4	+09.0	+0.3		but					Jun. 13 10	-0.6	-06	+24	+09.6	+0.3	Jun. 14 10	+4.2	-06.6	+24.4	+07	+0.2	Jan. 16 10	+6.7	-06.7	-07.7		-0.1				but		but
	MC	SC	SW	MT	ST																																																													
Jun. 11 10	+22.7	-06.3	+18.1	+10.2	+0.3																																																													
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Jun. 13 10	-0.6	-06	+24	+09.6	+0.3																																																													
Jun. 14 10	+4.2	-06.6	+24.4	+07	+0.2																																																													
Jan. 16 10	+6.7	-06.7	-07.7		-0.1																																																													
			but		but																																																													

Pointer at 14.8

Ending Time
R.S.T.

Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

(4.05)

57 15

1

7.31

F₀

3-5

Clouds came up from NW few
minutes after beginning of exposure.

Plate in box - unnumbered

Still cloudy 23^h

		MC	SC	BW	MT	ST
Jun. 17	10	+03.1	-06.3	-06.9	-07.6	-0.3 ^m

Ending Time
L.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

Comp.

REMARKS

Delayed starting because of haze and clouds at sunset.

22 24 2 0 37 W 25 52 1-2 6.67 A₀ 3-3-3

K.S.A 59 New List Y

23 43 3 1 10 W 18 17 1-2 7.40 A₀ 3-3-3

" 84 " " Y Slight haze

1 46 W 28 28 2 7.51 F₅ 3-3-3

" 61 " " H

1 29 W 11 50 2-1-0 6.97 B₈ 3-3-3

" 86 " " H Seeing poor

1 50 W 41 55 1 7.11 B₉ 3-3-3

" 38 " " H

Jun. 18 ¹²~~10~~ MC SC SW MT ST
+09.0 -05.7 -05.9 -11.2 -0.3^m

Ending Time	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																		
17 ³⁴	01 55 W	56 17	2	7.46	A ₂	3-3-3	K.S.A 15 New List. H Light																		
18 ¹²	01 10 W	75 17	2	7.24	F ₂	3-3-3	" 6 " " H have																		
19 ²²	02 23 W	16 41	2	7.24	A ₀	3-3-3	" 85 " " Y all																		
20 ⁴²	01 53 W	45 03	2	7.20	B ₉	3-3-3	" 38 " " Y evening.																		
							<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Jun. 19</td> <td>10</td> <td>+09.7</td> <td>-05.0</td> <td>-04.8</td> <td>-10.6</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-0.3</td> </tr> </table>		MC	SC	SW	MT	ST	Jun. 19	10	+09.7	-05.0	-04.8	-10.6						-0.3
	MC	SC	SW	MT	ST																				
Jun. 19	10	+09.7	-05.0	-04.8	-10.6																				
					-0.3																				

Poulsen 19.8

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	K.S.A.	REMARKS					
0 48	57 ^m W	10 45	2-1	7.19	A ₀	3-3-3	83	sky somewhat thick with cirrus clouds.					
11 44	1 ^h 09 ^m W	27 34	2-1	7.37	K ₂	3-3-3	60	Y					
0 31	0 26 W	27 40	1	6.60	A ₃	3-3-3	62	Y					
0 24	1 17 W	33 13	1-2	6.99	B ₈	3-3-3	62	Y					
0 23	1 06 W	48 19	1-2	7.24	A ₂	3-3-3	38	Y					
1 4	1 19 W	42 05	2	7.2	A ₂	3-3-3	39	Y					
						6-7							
							MC	SC	SW	MT	ST		
							Jun. 20	10	+10.7	-03.9	-03.7	-09.8 ^s	-0.3 ^m

Thermometer 21.9
 DOME temp 77 at start

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
22:31	4 36 W	+57 13	2	7.31	F0 3-3-3	Binary KSA13 Focus set to :26.10
22:42	1 25 W	+41 21	2	7.27	A2 3-3-3	KSA 34
22:53	0 54 W	+41 13	2	7.27	F5 3-3-3	35
00:04	2 00 W	+31 56	1-2	7.49	G0 3-3-3	60
00:11	1 36 W	+26 39	1-2	7.34	F2 3-3-3	62 Light clouds
00:14	1 24 W	+41 55	1-2	7.11	B9 3-3-3	38
00:18	0 50 W	+42 47	2	7.06	A0 3-3-3	40 Hd Thick clouds during most of exposure.
	Setting 3				12-12	
						→ mistrial at setting 8

60 visitors ± Powder 207

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp
0 48W	28 57	2-1	7.58	F0	3-3-3
1 40 W	56 10	2	7.14	A3	3-3-3 1 filter 6-8

REMARKS

KSA. 61 focus set 26.06 Take. Eaststar, other in Mo
 " 16 Heavy light clouds, more cloud
 sky remaining mostly cloudy
 so closed up.

		MC	SC	SW	MT ST	
Jun. 23	10	+13.7	+00.7	-02.7	+19.1	+0.2 ^m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
2 3	1 20 E	21 36			Focused on 2 <i>Tamai</i> <i>Bortis</i> <i>Seeing poor</i>
		+ 18 02			Plate numbered 6824
					← <i>Refocused</i>
2 2	0 11 W	+ 36 37			
					<i>Seeing better</i>
					<i>Seeing good</i>
0 4	1 30 W	- 03 08			← <i>Refocused</i>
2 2	2 25 W	- 03 09			
0 4	1 16 W				
	1 02 W				
0 3	0 32 E	- 01 02			<i>Squinting all plates</i>

199

Date Tuesday June 24-25/41 S-H-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Exposure Time
6843	NGC 6205	16 39.3	+35 35	N	EASTMAN 40			21 34	21 44	1
6844	" 5053	13 13.6	+18 01	"	"			21 53	22 23	2
6845	" 5466	14 03.1	+28 48	"	"			22 29	22 59	1
6846	" 6205	16 39.3	+36 35	"	"			23 06	23 12	2
6847	" 6402	17 34.1	-03 12	"	Astra II			23 54	00 30	1
6848	" 6779	19 14.0	+30 03	"	EASTMAN 40			00 37	01 02	2
6849	" 6218	16 43.8	-01 50	"	"			01 05	01 20	1
6850	" 6254	16 53.6	-04 00	"	"			01 25	01 53	2
6851	" 6366	17 24.1	-05 01	"	"			01 44	02 09	1
6852	" 6205	16 39.3	+36 35	"	"			02 33	02 43	2
6853	" 6779	19 14.0	+30 03	"	"			02 47	03 07	1

201

Date *Wednesday June 25-26/41* S.H.L Julian Day

Plate No.	Object	R.A. 1900 1935	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6854	NGC. 6205	16 39.3	+36 35	Newtonian	E 40			21 30	21 36	1
6855	" 5904	15 15.1	+02 20	"	"			21 40	21 46	2
6856	" 5466	14 02.8	+28 49	"	"			21 52	22 22	1
6857	" 6205	16 39.3	+36 35	"	"			22 25	22 27	2
	{ Area 61	16 59.0	+30 00	"	"			22 32	22 34	
	"	"	"	"	"			22 37	22 39	
6858	{ Area 61	16 59.0	+30 00	"	"			22 41	22 47	1
	{ NGC. 6205	16 39.3	+36 35	"	"			22 49	22 55	
6859	" 6779	19 14.0	+30 03	"	"			23 01	23 26	2
6860	" 6366	17 24.1	-05 01	"	"			23 36	00 01	1
6861	" 6402	17 34.1	-03 12	"	Astra II			00 06	00 42	2
6862	" 6779	19 14.0	+30 03	"	Eastman 40			00 48	01 08	1
6863	{ " "	"	"	"	"			01 10	01 20	2
	{ Area 64	19 58.0	+30 00	"	"			01 22	01 32	
6864	NGC. 6402	17 34.1	-03 12	"	Astra II			01 43	02 17	1
6865	" 6366	17 24.1	-05 01	"	Eastman 40			02 21	02 45	2

24 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
1			Fair		Focused on α Bootes
26					
27					
28					
29			Good		
30					Offset 2 mm in RA.
31					
32					
33			Very Good		← refocused
34					
35					
36					
37					
38					
39			Very Good		← refocused
40	2 41 W				
41					Squidging all plates

Date Thursday June 26-27, 1941 S. H. N. Julian Day

Plate No.	Object	R.A. 1900 1942	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	
6867	NGC 6205	16 39.5	+36 34	N	E 40			21 26	21 32	1	106 E
6868	5904	15 15.4	+02 19	-	-			21 36	21 44	2	129 W
6869	6218	16 44.1	-01 50	-	-			21 50	21 56	1	051 E
6870	6402	17 34.4	-03 12	-	Astrahl			22 00	22 34	2	
6871	{ 6205	16 39.5	+36 34	-	E 40			22 39 20	22 43 20	1	
	{ KSA 61	17 00.5	+29 57					22 45 30	22 49 30	-	
6872	NGC 6366	17 24.4	-05 01	-	E 40			22 54	23 18	2	
6873	5466	14 03.1	+28 48	-	-			23 33	00 03	1	100
6874	6779	19 14.2	+30 03	-	-			00 08	00 26	2	046 E
6875	6402	17 34.4	-03 12	-	Astrahl			00 31	01 07	1	
6876	{ 6779	19 14.2	+30 03	-	E 40			01 15 37	01 25 37	2	
	{ KSA 64	19 59.5	+30 05					01 28 36	01 38 36		
6877	NGC 6366	17 24.4	-05 01	-	-			01 49	02 07	1	
6878	6981	20 49.8	-12 47	-	-			02 13	02 59	2	
6879	6205	16 39.5	+36 34	-	-			03 04	03 10	1	

Hour Angle End	Declination	Seeing	Ptg. Mag.	Remarks
				Dome temp. 80°
1 06 E				Focused on α Bootis } N der this 3
0 29 W				
0 53 E				
				← refocused Seeing poorer } N der this 4
4 01 W				
0 46 E				
				Seeing fair - poor
				Seeing poor
				NGC 6981 could not be found, the very poor reached
1 33 W				Squidding all plates
End of report to President				

207

Date *Friday June 27-28*

Y

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6880	HD 128092	14 29.9	+43 27	I-12	Astra	010	31.3	8 58	9 58	2
6881	HD 145931	16 08.5	42 38	"	"	"	31.6	10 08	11 08	3
6881	HD 157255	17 17.1	32 47	"	"	"	31.4	11 16		1
Shut off by clouds took focus last										
<i>Saturday June 28-29 H-N 40+ visits cloudy</i>										
<i>Sunday June 30-July 1 L Sky alternately cloudy</i>										

Parade 22.3

Ending Time
E.S.T.

9 59 2
11 08 3
1

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS																		
1 ^h 32 ^m W	43 16	2-1	688 A2	3-3-3	Sid watch +0.1 ^m from setting																		
1 05 W	42 30	2	719 K5	3-3-3	Blew fuse in dec. guiding!																		
	32 43	1	683 A0	3																			
					<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Jun 30</td> <td>14</td> <td>+18.5</td> <td>+26.8</td> <td>+12.7</td> <td>+02.4^s -0.2^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Reset.</td> </tr> </table>		MC	SC	SW	MT	ST	Jun 30	14	+18.5	+26.8	+12.7	+02.4 ^s -0.2 ^m						Reset.
	MC	SC	SW	MT	ST																		
Jun 30	14	+18.5	+26.8	+12.7	+02.4 ^s -0.2 ^m																		
					Reset.																		

dy. showed 74" and N showed whole

and clear. gave it up after midnight.

209

Date *Tuesday July 1-2, 1941 H*

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6882	HD 127334	14 25.7	+42 15	I-12	Astra II	^{set} 010	31.0	20 49	21 21	2	7 ^h +
6883	133109	14 57.6	+56 01	"	"	"	31.0	21 25	22 05	4	29 -
6884	135501	15 10.3	+56 26	"	"	"	30.8	22 08	23 08	1	2:29W +
6885	151043	16 39.8	+77 57	"	"	"	30.8	23 12	00 02	2	46 ^h -
6886	164135	17 54.7	+61 25	"	"	"	30.8	00 06	00 50	3	8W +
6887	178634	19 04.3	+59 08	"	"	"	30.7	00 54	01 50	4	18 ^h -
6888	187748	19 ^o 46.5	+59 10	"	"	"	30.7	01 58	02 37	1	-
6889	{ 201344	21 03.9	+59 01	"	"	"	30.6	02 39	03 41	2	10 ^h +
	{ From tent - outside through glass										

p. 210

Electrical storms to S and NE early night

Pointers 21.8 Some temp 89 at spring

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 11	1 17 W	+42 04	3	7.01	G0 3-3-3	KSA 34 Star frequently hidden by small clouds.
2 37	1 28 W	+55 52	3	7.40	F0 3-3-3	15 Some small clouds.
2 51	2 19 W	+56 16	3-2	7.46	A2 3-3-3	15
3 16	1 46 W	+77 51	3-2	7.42	F8 3-3-3	6 Thick clouds ^{28 38} 23-23
3 37	1 18 W	+61 23	3-2	7.26	A3 3-3-3	16 Spots 5 ^m
3 50	1 08 W	+59 10	3	7.52	A2 3-3-3	17 Faint aurora
4 15		+59 15	3-2-1	7.22	G0 3-3-3	17 Seeing becoming variable.
4 30	1 07 W	+59 10	2	7.30	A0 3-3-	18 Light clouds latter half of afternoon.

Alt 20.3
Slit 26.05

	MC	SC	BW	MT	ST
Jul. 2 15	+19.9	+35.8	+16.4	+19.9 +30.0	+0.4 ^m

211

Date Wednesday, July 2-3 Y.A. L. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H.
6890	HD 127663	14 275	43 49	I-12	Astra II	010	24.1	9 11	10 31	1
68910	HD 156547	17 13.1	26 00	"	"	"	24.0	10 38	11 05	2
Focus test										
Shuss July 3-4/41 Sky mostly cloudy clearing toward dawn.										

Hour Angle
End

2^h 28^m W -

15^m W 2

Powder set 17.0

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS														
10 31 1	2 ^h 28 ^m W	43 38	0-1	6.81	A2	3-3-3	Seeing v. bad.														
11 05 2	15 ^m W	25 55	0	7.04	B9	3-6	two faint clouds at 11 ⁰⁰ , nothing after 11 ⁰⁵														
							<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST_m</td> </tr> <tr> <td>Jul. 3</td> <td>12</td> <td>+20.6</td> <td>+40.3</td> <td>+17.5</td> <td>+28.8</td> <td>+0.5</td> </tr> </table>			MC	SC	SW	MT	ST _m	Jul. 3	12	+20.6	+40.3	+17.5	+28.8	+0.5
		MC	SC	SW	MT	ST _m															
Jul. 3	12	+20.6	+40.3	+17.5	+28.8	+0.5															
							<table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MT</td> <td>ST_m</td> </tr> <tr> <td>Jul. 4</td> <td>10</td> <td>+21.4</td> <td>+45.3</td> <td>+19.2</td> <td>+26.2</td> <td>+0.4</td> </tr> </table>						MT	ST _m	Jul. 4	10	+21.4	+45.3	+19.2	+26.2	+0.4
					MT	ST _m															
Jul. 4	10	+21.4	+45.3	+19.2	+26.2	+0.4															

1
T₁ d dawn.

Pondus set 17.7

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
9 51 3	1 ^h 06 ^m W	31° 42'	1+	7.28	F5-3-3-3	Y
10 26 4	1 ^h 06 ^m W	11 31	1+	7.21	K0 3-3-3	H
12 41 1	1 ^h 12 ^m W	17 33	1+	7.28	F5 3-3-3	Y
1 11 2	1 ^h 41 ^m W	41 13	2	6.86	A0 3-3-3	H
2 55 4	2 ^h 55 ^m W	"	2		3-3-3	H
2 16	2 ^h 16 W	30 37	2	6.70	B ₉ 3-3-3	M

Double star { *Lower star of pair, shd horizontal*
Upper { *Upper*
rest of pair

bluer of two
redder of two

Brilliant aurora all evening especially last half, extending right down too, and sometimes below the equator.

	MC	SC	SW	MT	ST
Jul. 5	10	+21.9	+51.6	+19.3	+22.0 +0.2 ^m

215.

Date Saturday July 5-6, 1941 H-L-C Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
6897	HD 151237	16 41.1	+28 32	I-12	art. II	set 010		22 23	23 39	2	34 W 2
6898	164507	17 56.4	+15 07	"	"	"	26.7	23 48	0 46	3	36 W
6899	187279	19 44.1	31 15	"	"	"	26.7	0 54	2 15	4	34 W 2
6900	196833	20 34.8	43 58	"	"	"	27.0	2 26	3 06	1	34 W
6901	213789	22 28.9	-02 05	"	"	"	26.7	3 13	3 55	2	33 W-0
<p>Monday July 7th L.C Cloudy all night.</p>											

about 60 visitors

H showed moons with 74-wind

216

S showed moons with 4-wind

Thermostat set 14.3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
2 39	1 34 W	28 29	0-1-2	7.51	F5	3-3-3	KSA 61 Light haze. Seeing improving steadily
0 4 3	1 26 W	15 06	0-1	7.08	G5	3-3-3	" 86 Light haze more haze
2 1 4	1 14 W	31 22	1	6.65	A0	3-3-3	" 64 M Oil dust light clouds / '5-'25
3 5 0	1 08 W	44 07	1	6.52	B0	3-3-3	" 40 M old bit heavy clouds / '25-'00 clearing
1 5 2	0 03 W	-01 53	1	6.92	K0	3-3-3	BSC haze

Feb. 8 10 MC +0.5 SC +1.09.4 SW +18.5 MT 0.0 ST 0.0
 Ready

Thermostat set 13.8

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																		
10:30	1 49W	32 55	2-3	7.21	F2	3-3-3 KSA 59																		
11:33	0 59W	11 32	2-3	7.21	K0	3-3-3 KSA 84																		
12:05	2 07W	17 53	2	7.58	F0	3-3-3 KSA 85 <i>Windy clouds</i>																		
1:29	1 19W	42 11	2	7.20	F8	3-3-3 KSA 38																		
3:14	1 30W	44 12	2-3	7.57	F0	3-3-3 KSA 66																		
3:48	1 02W	5 30	2-	6.05	F0	3-3-3 BSE																		
						<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 10%; text-align: center;">MC</td> <td style="width: 10%; text-align: center;">SC</td> <td style="width: 10%; text-align: center;">SW</td> <td style="width: 10%; text-align: center;">MT</td> <td style="width: 10%; text-align: center;">ST</td> </tr> <tr> <td style="text-align: center;">Jun. 9</td> <td style="text-align: center;">10</td> <td style="text-align: center;">+01.7</td> <td style="text-align: center;">+1 15.3</td> <td style="text-align: center;">+19.2</td> <td style="text-align: center;">-03.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">-0^m.7</td> </tr> </table>		MC	SC	SW	MT	ST	Jun. 9	10	+01.7	+1 15.3	+19.2	-03.2						-0 ^m .7
	MC	SC	SW	MT	ST																			
Jun. 9	10	+01.7	+1 15.3	+19.2	-03.2																			
					-0 ^m .7																			

219

L-C

Date Wednesday Jul. 9-10 1941 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
6908	HD 145082	16 04.0	47 46	I - 12 $\frac{1}{2}$	Acta II	.010	24.4	8 58	9 42	1	30 W 5
6909	HD 157255	17 17.1	32 47	"	"	"	24.1	9 50	10 40	2	05 W 3
6910	HD 167944	18 12.4	12 02	"	"	"	24.2	10 47	11 56	3	35 W 12
6911	HD 178512	19 03.8	12 57	"	"	"	24.0	12 01	1 01	4	49 W 12
6912	HD 188876	19 52.2	32 48				24.0	1 06	1 55	1	55 W 3

Thursday July 10-11 H-A Cloudy with rain all night
 Fri July 11-12 L-A
 Cloudy all night.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																		
1	0 ^h 30 ^m W	47 39	1	6.58	A ₀	3-3-3 AP list zone 35 Y Image a little unsteady																		
2	0 ^h 15 ^m W	32 44	1	6.83	A ₀	3-3-3 New list zone 61 Y																		
3	0 ^h 35 ^m W	12 02	2	7.55	F ₅	3-3-3 AP list zone 86 H heavy clouds for 15 minutes																		
4	0 ^h 49 ^m W	13 00	1	6.92	B ₈	3-3-3 Old list zone 87 M light scattered clouds																		
5	0 ^h 55 ^m W	32 56	2	7.24	A ₀	3-3-3 " " " " 64 M Clouded up at 1:55 no image closed up at 3:00 - still cloudy																		
Iron arc heavy; these exposures evidently made with 2 filters out instead of 1.																								
<table border="1"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Jul. 10</td> <td>+03.0</td> <td>+1 21.7</td> <td>+19.7</td> <td>-07.0</td> <td>-0.1^m</td> </tr> <tr> <td>11</td> <td>+03.8</td> <td>+1 29.1</td> <td>+20.2</td> <td>+12.3^b</td> <td>-0.3^m</td> </tr> </tbody> </table>								MC	SC	SW	MT	ST	Jul. 10	+03.0	+1 21.7	+19.7	-07.0	-0.1 ^m	11	+03.8	+1 29.1	+20.2	+12.3 ^b	-0.3 ^m
	MC	SC	SW	MT	ST																			
Jul. 10	+03.0	+1 21.7	+19.7	-07.0	-0.1 ^m																			
11	+03.8	+1 29.1	+20.2	+12.3 ^b	-0.3 ^m																			

221

Date Saturday, July 12-13, 1941 H-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
6912	HD 156987	17 15.5	+28 07	I-12	Ostrin II	set 010	23.8	22 19	23 31	3	18° W +2
6913	HD 164824	17 57.9	+33 20	"	"	"	23.6	23 36	00 26	1	31° W 3
6914	HD 179395	19 07.3	+41 50	"	"	"	23.5	00 30	01 30	2	26° W 4
6915	HD 208878	21 54.1	42 46	"	"	"	23.7	01 35	02 55	3	5° W 4
6916	HD 214558	22 33.9	44 40	"	"	"	23.4	02 59	03 39	4	9° W 4

Monday July 14-15 - L-

Tuesday July 15-16, 1941 H-A Cloudy all evening + night

223

Date Thursday, July 17-18, 1941 H-A Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dist
6917	HD 138085	15 24.7	+16 44	I-12	Astron II	set 010	22.5	20 48	21 58	1	56 W +1
6918	145228	16 04.7	+12 01	"	"	"	22.5	22 02	23 22	2	40 W +1
6919	181566	19 15.9	+63 02	"	"	"	22.7	23 32	0 32	3	40 W +6
6920	193265	20 14.3	+72 34	"	"	"	22.7	0 48	1 58	4	1 0 W +7
6921	202345	21 10.1	+74 50	"	"	"	22.7	2 08	3 18	1	1 31 W +7
6922	221215	23 25.3	74 41	"	"	"	22.5	3 26	4 00	2	1 2 E +7
	Focus Test										

Saturday, July 19-20, 1941 H-A.

mostly cloudy all evening, showed some of
visitors & Hercules with 74-inch.Rain at 11⁰⁰ - 11²⁰OVER

Temp set 15.8

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 56 W	+16 36	0-1	7.55	K5 3-3-3	KSA 83
2 40 W	+11 54	1-2	7.27	F2 3-3-3	84
0 40 W	+63 06	2	7.33	F5 3-3-3	17
1 09 W	+72 42	2	7.39	F0 3-3-3	7
1 31 W	+74 59	2	7.38	F3 3-3-3	7
0 02 E	+74 53	1	6.54	A0 3-3-3	2

{trouble with dome turning; touched up
contacts below.

more trouble with dome turning

Tilt 20.3
Slide 26.0

	NC	SC	SW	MT	ST
Jul. 18 15	-18.4	+2 19.8	+20.3	-27.8	+0.1
		Added wt.			

227

Date *Monday, July 21-22, 1941* *S-H-C* Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6924	NGC 6205	16 39.5	+36 35	Newtonian	E-40	—	—	21 04	21 10	1
6925	6779	19 14.0	+30 03	"	"			21 19	21 47	2
6926	5904	15 55.1	+02 20	"	"			21 53	22 05	1
6927	6218	16 43.8	-01 50	"	"			22 13	22 23	2
6928	6254	16 53.6	-04 00	"	"			22 44	22 54	
6929	6366	17 24.1	-05 01	"	"			23 10	23 40	
6930	6402	17 34.1	-03 12	"	"			23 44	00 44	
6931	7089	21 29.9	-01 07	"	"			00 52	01 06	
6932	6205	16 39.3	+36 35	"	"			01 16	01 24	
6933	6779	19 14.0	+30 03	"	"			01 32	02 02	

Tuesday, July 22-23, 1941 S-H-N.

about 2 mag absorption - useless.

229

Date Wednesday July 23-24 1941 - S-H-A. Julian Day.....

Plate No.	Object	R.A.	Declination	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
		1900 1935	1900							
6934	NGC 6205	16 39.3	+36 35	Newtonian	E-40	-	-	21 06	21 14	1
6935	6779	19 14.0	+30 03	"	"			21 22	21 52	2
6936	5904	15 15.1	+2 20	"	"			21 56	22 06	1
6937	6366	17 24.1	-5 01	"	"			22 21	23 01	2
6938	6402	13 34.1	-3 12	"	"			23 29	00 09	1
6939	6779	19 14.0	+30 03	"	"			00 22	00 46	2
6940	6760	19 17.7	+0 55	"	"			00 58	01 58	1
6941	6205	16 39.3	+36 35	"	"			02 17	02 25	2
6942	6779	19 14.0	+30.03	"	"			02 31	02 47	1
6943	7492	23 05.1	-15 57	"	"			02 59	03 29	
6944	7089	21 29.9	-01 07	"	"			03 34	03 40	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 10 1					Seeing poor - nearly 1 mag absorption
21 42 2					
22 00					
23 00 2					
23 09 1					plate separator still on plate when taken out of holder. Focused on γ Aquilae
01 10 2					Seeing vastly improved, transparency better.
01 50 1					Trouble with dome turning!
02 25 2					refocused on γ Aquilae.
02 50 1					
03 00					
					Squidring all plates
					MC SC SW MT ST Jul. 24 10 -16.3 +218.7 +21.3 -02.6 +02

231

Date Thursday 1941 Jul. 24-25 S-H-N Julian Day

Plate No.	Object	R.A.	Declination	Instrument	Emulsion	Slit	Temperature	Starting Time		Ending Time		Hour Angle End
		1900	1900					E.S.T.	E.S.T.			
			1935									
6945	NGC 6205	16 39.3	+36 35	N	E 40			21 05	21 13	2		
6946	6779	19 14.0	+30 03	-	-			21 18	21 42	1		
6947	5904	15 15.1	+02 20	-	-			21 46	21 36	2		
6948	6366	17 24.1	-05 01	-	-			22 11	22 41	1		
6949	6218	16 43.8	-01 50	-	-			22 44	22 50	2		
6950	6254	16 53.6	-04 00	-	-			22 56	23 01	1		
6951	6402	17 34.1	-03 12	-	-			23 12	00 00	2		
6952	6981	20 49.5	-12 48	-	-			00 07	00 51	1		
6953	7089	21 29.9	-01 07	-	-			01 03	01 13	2		
6954	6779	19 14.0	+30 03	-	-			01 19	01 49	1		
6955	6205	16 39.3	+36 35	-	-			01 48	01 56	2		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
			moderate		Focused on 5 obj. Seeing poor
			poor		poor guide star, transparency poor. Focused on star in field of 6366. Trouble with dome turning Developed 3 plates
					H guiding - poor guide star Focused.
					Cannot be reached any further east. Passing clouds
	5 15 W				1-2 mag absorption, makes further work of 700
					July 25 ⁻ 10 ² $\frac{110}{S}$ $\frac{50}{S}$ $\frac{50}{S}$ $\frac{115}{S}$ $\frac{57}{S}$ -13.7 +2 17.9 +23.0 -0.8 +0.2 ^m

233

Date Friday, July 25-26, 1941 H-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
6956	HD 145228	16 24.7	12 01	1-12 $\frac{1}{2}$	Tri II	.10	31.5	20 42	22 22	+
6957	164135	17 54.7	61 25	"	"	"	31.3	22 24	00 04	1
6958	182190	19 18.4	57 22 ²⁸	"	"	"	31.0	00 40	02 28	2
6959	201032	21 02.0	62 59	"	"	"	31.0	02 40	04 20	3

Saturday, July 26-27, 1941 H-S-A

about 125 (?) visitors (large party from O.C.E).

H showed 2 stars - M13 with 74-inch

S showed 6 Lyrae with 4 inch.

Hazing up from 10⁴⁵ mid.

Cloud up 11³⁰. Rather thick rest of night.

235

Date *Thursday July 31-Aug. 1, 1941* H-A Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dist
6959	HD 154955	17 03.6	+75 21	I-12	<i>astron II</i>	^{set} 010	29.2	20 33	21 53	4	1 10W +7
6960	HD 164135	17 54.7	+61 25	"	"	"	29.2	21 58		1	
	182440	19 19.6	+57 33	"	"	"					
	<i>Focus test - outside the base -</i>										
						<i>Focus slide -</i>	<i>26.03</i>		<i>Tilt -</i>	<i>20.3</i>	

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
53 21 4	1 10W	+75 16	2	7.24	F2	3-3-3 KSA 6 ^{Haze} Somewhat brighter star 4'N, 6'S yellow?												
		+61 22	3	7.26	A3	3-3-3 16 Haze. clouds 22 ²⁶ . Solid clouds 22 ³³												
				7.57	K2													
						Closed up 22 ⁴⁵												
						<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SE</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Aug 1. 10^h</td> <td>-13.3⁵</td> <td>+2⁵ 0.5</td> <td>+25.8⁵</td> <td>+6.5⁵</td> <td>+0.0¹¹</td> </tr> </table>		MC	SE	SW	MT	ST	Aug 1. 10 ^h	-13.3 ⁵	+2 ⁵ 0.5	+25.8 ⁵	+6.5 ⁵	+0.0 ¹¹
	MC	SE	SW	MT	ST													
Aug 1. 10 ^h	-13.3 ⁵	+2 ⁵ 0.5	+25.8 ⁵	+6.5 ⁵	+0.0 ¹¹													

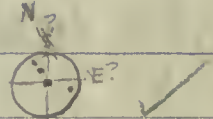
Ending Time
EST.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS		
2 ^k 17 ^W	45 05	1-2	7.27	A ₀	3-3-3	KSA 36	Y scattered light clouds
0 50 ^W	44 28	2	7.31	A ₅	3-3-3	" 38	Y more scattered clouds * numbered 6931
0 52 ^W	42 10	1	7.15	B ₀	3-3-3	" 40	M good transparency
2 13 ^W	42 40	1	7.50	B ₉	3-3	" 41	M

Date Saturday Aug 2-3 1941 Julian Day A-A

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dis
69 ⁶ 5	HD. 186760	19 41.3	57 46	T-12 $\frac{1}{2}$	Astratt	010	25.6	00 01	01 11	2	56W-5
69 ⁶ 6	204231	21 52.1	57 39	"	"	"	25.5	01 21	03 21	3	26W-5
69 ⁶ 7	3924	00 36.7	58 13	"	"	"	25.5	03 31	04 05	4	66E-5
69 ⁶ 8	11291	01 45.8	50 18	"	"	"	25.5	04 12	04 ³⁰ 05	1	50E-5
These should be 6965 66 67 68	Monday Aug 4-5			A	Cloudy.						

Temp Control set at 18.3

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21:11 2	1 56 W	+57 53	1	6.81	F ₅₁	3-3-3 KSA-17
03:00 3	2 26 W	+57 50	1-2	7.56	F ₈	3-3-3 KSA-18 other stars in finder → 
04:15 1	0 06 E	+58 25	2	6.11	B ₉	3-3-3 KSA-8 M
04:16 1	0 50 E	+50 27	2	5.62	B ₉	3-3-3

About 700-800(?) visitors.

H-A-N-S. 74 incl on Moon + β Cyg
 4 incl on β Cyg + V. stars
 2 incl on Moon

Aug 5th 10^h $\begin{matrix} \text{NE} & \text{SE} & \text{SW} & \text{NT} & \text{ST} \\ -14.2 & +1^{\circ} 50.4 & -05.1 & -1.5 & -0.3 \end{matrix}$
 SW, NTW, STW met.

243

Date Aug 6-7 wed.

Y-A

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H.
6975	HD 161130	17 38.7	29 28	I-12	astron II	010	25.5	8 20	9 16	4
6976	HD 177152	18 58.4	44 14	"	"	"	25.9	9 21	11 17	1
6977	HD 188876	19 52.2	32 48	"	"	"	25.9	11 16	12 46	2
6978	HD 203015	21 14.5	17 24	"	"	"	25.7	12 56	2 16	3
6979	HD 218525	23 03.6	44 01	"	"	"	25.0	2 24	3 14	4
6980	HD 2739	00 25.8	43 24	"	"	"	25.2	3 21	4 01	1
6981	HD 7019	01 05.5	37 12	"	"	"	25.3	4 08	4 28	2
	Focus test				Focus slide	26.0			Felt 20.3	
6981F	focus test				focus set	26.10			outside therm base	

Ending Time E.S.T.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
16	1.8 ^m W	29 26	1-2	669	A5- 3-3-3	H zone 62.8x6
11 14	55 ^m W	44 17	1-2	740	T9 3-3-3	M " 38 6x6
12 46	36 ^m W	32 54	1	724	A0 3-3-3	M " 64 6x6
2 6	43 ^m W	+17 35	1	6.97	F2 3-3-3	Hd " 89 6x6
3 14	52 ^m W	44 14	1-2	6.36	A0 3-3-3	H " 42 6x6
4 11	17 ^m W	+43 37	2-3	6.59	B6 3-3-3	Hd. 20 6x6 image very steady and sharp.
4 22	04 ^m W	+37 24	2-3	5.70	B8 3-3-3	H B8E " " "
						exposures 10 ^s + 5 ^s .

Thin base 8^s
" apex 5^s

(OK)

Exposures could be 7^s
4^s

245

Date Thur Aug 7-8

Y-C

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Error Angle End	De
6982	HD 160822	17 369	31 22	I-12	Astra II	010	28.7	8 18	9 20	4	27° W 3
6983	HD 182440	19 196	57 33	"	"	"	28.7	9 26	10 56	1	22° W 5
6984	HD 193.265	20 14.3	72 34	"	"	"	29.0	11 05	00 25	2	50° W 9
6985	HD 201888	21 074	62 53	"	"	"	28.9	00 32	01 32	3	10° W 1
6986	HD 223386	23 44.0	59 25	"	"	"	28.5	01 43	02 33	4	26° E 5
6987	HD 224890	23 56.5	73 03	"	"	"	28.5	02 41	03 31	1	2° W 1
6988	HD 5944	00 558	57 17	"	"	"	28.5	03 40	04 40	2	29° W 5
	Focus test			Focus set 26.10			Tilt 20.3	Outside the film			
Friday Aug 8-9		Cloudy.									

ΔH meantime watch at 1^m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	comp.	REMARKS																		
9 20 L	27 ^m W	31 20	2-3	743	K0 3-3-3	Handwritten KSA 62 Another pale type star west & south																		
10 56 1	22 ^m W	57 40	1	7.57	K2 3-3-3	Handwritten KSA 17																		
0 25 2	58 ^m W	72 43	1	739	FD 3-3-3	Handwritten KSA 7																		
0 25 5	1 ^r 10 ^m W	63 01	1	6.45	B8 3-3-3	Handwritten 1.8																		
0 25 2	26 ^m E	59 38	1	6.38	A0 3-3-3	Handwritten 1.9																		
0 25 1	20 ^m W	73 14	1	6.52	A0 3-3-3	Handwritten 2																		
0 25 2	29 W	57 29	0	6.80	A2 3-3-3	Handwritten 8																		
						the base 7 sec " apex 4 "																		
						<table border="0"> <tr> <td></td> <td>NE</td> <td>SE</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Aug 8^h 12^h</td> <td>-15^s</td> <td>+1^m 42</td> <td>-01^s</td> <td>-1^m 16</td> <td>+0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>+5^s <u>reset</u></td> <td>+1.0</td> </tr> </table>		NE	SE	SW	MT	ST	Aug 8 ^h 12 ^h	-15 ^s	+1 ^m 42	-01 ^s	-1 ^m 16	+0.0					+5 ^s <u>reset</u>	+1.0
	NE	SE	SW	MT	ST																			
Aug 8 ^h 12 ^h	-15 ^s	+1 ^m 42	-01 ^s	-1 ^m 16	+0.0																			
				+5 ^s <u>reset</u>	+1.0																			
						<table border="0"> <tr> <td>Aug 9</td> <td>MT</td> <td>ST</td> </tr> <tr> <td></td> <td>0^s</td> <td>+1.0</td> </tr> </table>	Aug 9	MT	ST		0 ^s	+1.0												
Aug 9	MT	ST																						
	0 ^s	+1.0																						

Ending Time
E.S.T.

Hour Angle
End Declination Seeing Ptg. Mag. Comp REMARKS

2^h 02^m W 17 37 0 6.84 A₀ 3-3-3 M KSA-87 Number not on plate
 0^h 29^m W 28 32 0 6.04 F₃-3-3-3 H - 66
 2^h 34^m W 43 16 0 7.56 B₅-3-3-3 M - 42

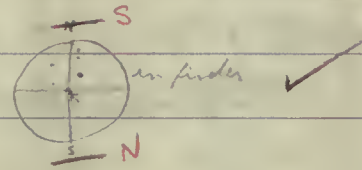
~~5.62 B₇ B₅C~~

Aug 11	12 ^h	11 ^m C -15 ^s	SC +1 ^m 34 ^s	SW _s +06 ^s	11T -1 ^s	ST _m +1.0
Aug 12	12 ^h	-15 ^s	+1 ^m 32 ^s	+09 ^s	-6 ^s	+1.0

Thermotat printer at 12.3

Dome temp 54°

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
23 3	0 ^h 51 ^m W	31 12	0-1	6.73	B9	3-3-3	M KSA 63 6°x6° Cloudy until 21 ^h some haze later
00	0 ^h 37 ^m W	44 09	1	6.52	B8	3-3-3	M KSA 40 6°x6°
02	0 ^h 44 ^m W	62 44	0-1	7.20	A0	3-3-	H KSA 18 -26°
03	1 ^h 19 ^m W	77 33	0-1	7.04	A0	3-3-3	H KSA 2 6°x6°
05	0 07 ^m W	57 56	1-2	5.65	B8	3-3-3	M KSA 8 6°x6°
42+	0 18 ^m W	36 56	1	5.75	B9	3-3-3	M B.S.C.



base 7 sec
apex 4 sec

		MC	SC	SW	MT	ST
Aug 13 12h		-13 ^s	+1 ^m 29 ^s	+11 ^s	-2 ^s	+1.0 ^m

get flat light batteries

251

Date Wednesday August 13-14 C-A Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Four Angle End	D
6998	HD 160740	17 36.5	44 04	I-12 $\frac{1}{2}$	Astra II.	0.10	18.5°	20 30	22 00	1	3214
6999	HD 183339	19 24.0	57 49	"	"	"	18.4°	22 05	22 39	2	2557
7000	HD 188876	19 52.2	32 48	"	"	"	18.5°	22 58	00 28	3	10032
7001	HD 210208	22 03.7	40 27	"	"	"					
Aug 14-15 AC Cloudy with rain											

pointer 13.3 Dows temp 55

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
01 32 44	03	0 → 1-2	7.25	A ₂	3-3-3 M KSA 37 6"x6" Sid Jaws watch stopped
0 25W 57	51	2	6.41	B ₉	3-3-3 M" 17 " (numbered 7000)
1 45W 32	57	0-1	7.24	A ₀	3-3-3 M" 64 " " 7000*
			7.50	B ₉	" 41 " Clouded up at 0045 E.S.T.
					Trouble with Fast motion in Dec - telescope continued to move north as soon as unclamped. (short circuit in switch)
					Aug. 14 12 ^h ^{NE} -15 ^s ^{SE} +1 ^m 26 ^s ^{SW} +09 ^s ^{NT} -06 ^s ST stopped
					rest at 14 ^m 06 ^s -0.4
					Aug 15 12 ^h ^S -14.6 ^S +1 ^m 23.6 ^S +10.6 ^S -4.9 ^m -0.2

253

Date Saturday August 16-17 Y-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time EST	Ending Time EST	
								Siderial	Time	
7001	HD 190165	19 58.6	45 11	I-12 $\frac{1}{2}$	Astra II	^{set} .010	+18.4	19 43	21 35	4
7002	" 210208	22 03.7	42 27	"	"	"	+18.3	21 38	23 34	1
TEST	TEST				EASTMAN SPECTROSCOPY					
7003	HD 222555	23 36.5	46 18	"	Astra II	"	+18.2	23 39	01 03	2
7004	" 5764	00 54.2	47 29	"	"	"	+18.1	01 07	02 07	1

Monday Aug. 18-19

Cloudy with a little rain

Pointer set at 13.15 end plug in.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
						About 20 visitors & showed Bcygni L used 4".
1 33 W	45 20	1	7.58	A ₂	3-3-3 Ha	
1 28 W	42 41	1	7.50	B ₉	3-3-3 M	
						SPOTS 3 MINS. } Compare
1 25 W	46 33	1	7.23	B ₉	3-3-3 M	SPOTS 3 MINS }
1 10 W	47 41	1	6.95	B ₈	3-3-3 M	

Pointer set at 14.8

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
0 ¹⁹ E	27 53	0-1	6.64	B ₈	3-3-3	K.S.A. 63 M Old list.
0 ⁰¹ W	31 22	0	6.65	A ₀	3-3-3	" 64 M "
0 ⁰⁸ W	47 26	0	7.20	B ₈	3-3-3	" 40 M "
0 ¹⁰ E	29 47	0-1	7.54	B ₈	3-3-3	" 66 M " clouding up at 00 ³⁰ sky remained completely thick. Closed at 01 ³⁰ no sign of clearing

$\text{Aug } 20^{\text{h}} 12^{\text{m}}$
 $\text{N.P.} = -11.0$
 $\text{SC} = +1^{\circ} 09.9$
 $\text{SW} = +16.9$
 $\text{HT} = -23.2$
 $\text{ST} = -0.4$

257

Date Wednesday Aug 20 1941 C-A Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
7009	HD 166868	18 07.5	29 39	1-12i	A.L. II	.010	+21.1°	20 25	22 05 3
7010	201908	21 07.5	77 43	"	"	"	21.5	22 18	22 50
7011	200039	20 55.9	75 32	"	"	"	21.6	22 56	24 00
7012	22 1215	93 25.0	94 41	"	"	"	"		
	Focus test						outside through base: exposures 5 1/2 sec + 4 sec.		
							Focus	26 10	
							Filt	20.3	

pointer 15.2

D on trip 64

Hour Angle End	Declination	Seeing	Ptg. Mag.	comp.	REMARKS
01 34W	29 39	2	7.52 7.52	A ₂	3-3-3 KSA 62 Hd RA. 18 9.9 (5) few clouds & faint
0 38 E	47 53	1	5.88	B ₉	3-3-3 " 7 H
0 43W	75 42	1-2	6.99	G ₅	3-3-3 " 7 H Thin clouds in all but zenith at 00.05
March hour & apex respectively.					Completely clouded over at 01.00. Closed up.

	11 ^s	SE	SW	NT	ST
Aug 21 12 ^h	-10.9	+1 ^m 06.9	+17.9	-28.2	-0.5
" 22 12 ^h	-10.2	+1 ^m 04.5	+20.5	-29.2	-0.5

259

Date Friday Aug 22-23/41 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dist
7012	H.D. 180844	19 13.0	32 57	I-12 $\frac{1}{2}$	Astra II	Set .010	23.6	20 06	21 06	2	2
7013	" 190887	20 02.0	12 39	"	"	"	23.6	21 10	22 30	3	3
7014	" 198480	20 45.5	42 35	"	"	"	23.6	22 58	23 55	4	4
7015	" 211474	22 12.2	29 35	"	"	"	23.6	00 03	01 35	1	1
7016	" 5551	00 52.2	63 11	"	"	"	23.5	02 00	03 44	2	3
7017	" 12642	01 58.7	-04 35	"	"	"	23.5	03 52	04 38	3	4
	Focus Test										

Outside through lens

Pointer set at 17.00

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
0 23 E	33 03	1	6.89	B ₅	3-3-3	K.S.A. 63 M Old list.
0 32 W	12 46	1	7.57	F ₂	3-3-3	" 88 Y " " light clouds.
0 57 W	42 38	1	7.28	B ₈	3-3-3	" 40 M " "
1 25 W	29 48	1	7.54	B ₈	3-3-3	" 66 M " "
0 36 W	63 22	1	7.5	B ₂	3-3-3	" 8 M " "
0 23 W	-09 23	0	6.92	K ₀	3-3-3	B.S.C. Y
				1 filter 6-10		Lower 26.1 Full 20.3

261

Date Sat, Aug 23-24



Y-A

Julian Day


Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
7018	HD 196833	20 34.8	43 58	I-12	Astron II	010	20.9	10 20	11 00	4	13° W
7019	HD 201345	21 03.9	33 00	"	"	"	20.7	11 05	12 35	1	
7020	HD 216851X	22 51.3	43 02	"	"	"	20.5	00 42	02	2	
7021	HD 214851Z	22 51.3	43 02	"	"	"	20.4	02 15	04 15	3	
7022	HD 21427	23 22.2	59 02	"	"	"	20.7	04 39	06 54	4	
	Focus test			Outside through base				exposures	5 1/2		
									45		
								Focus 26.05			
								slit 20.3			

Vistors .50 ± Mess 13,

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
13 ^m W	44 05	2-3	652	B8	3-3-3 M
1 ^h 20 ^m W	33 09	2-3	752	B0	3-3-3 M
1 ^h 10 ^m W	43 14	3-2	7.56	B5	3-3-3 M KSA 42 N a double star guided on ^{fainter} N star 
3^h 13^m W	43 14	2		3-3-3	- ^{seeing rating acceptable} guided on S star: fainter ^{of pair}
4^h 40^m E	54 09	3	6.06	A0	3-3-3 KSA 9 N a close double, one star much fainter than the other Guided on bright star 
					only one druggon out

Aug 25 12^h ^{nc} ^{sc} ^{sw} ^{NT} ST
 -9.3 +0^m 57.1 +27.1 -32.4 -0.6
 reset. +26^s +0.5^m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	27	16	0	6.74	B₉	3 KSA 63 ^{WRONG STAR}  1-2-2
03:30	35W	31 23	2	6.65	A ₀	3-3-3 KSA 64
03:30	45W	48 03	2	7.23	A ₅	3-3-3 40
		33 06		6.95	A ₃	3 66 clouded up at 12 17
						plate not moved
						cloud up at 12 45 ^{looks like rain} - cleared up about 2 ^h
03:33	34 W	57 30	2-3	6.80	A ₂	3-3-3 KSA 8
04:30	07 ^m E	60 19	3-2-1-0	6.82	A ₅	3-3 " 9 seeing variable. Clouds obscured image
				5.58	B ₉	B-5C ^{entirely at times - completely clouded up at 4:55}
						Focus 26.05
						Tilt 20.3
						Plates not kept.

265

Date Tuesday August 26-27 1941

C

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7021	HD 214 558	22 339	44 40	1-12½	Astra II	.010	19.1	00 16	01 16	3
7022	487	00 043	45 50	"	"	"	18.5	02 00	03 32	4
7023	21203	03 202	59 54	"	"	"	18.6	03 05	04 45	1
	Focus Test				outside through the base			base apex	5' 4	

Pointer 13.3

Dew temp 59 F

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	comp	REMARKS
23 ^W	44 54	0	6.95 F ₈	3-3-3	H.K.S.A. 42
1 47 ^W	46 05	1	6.98 B ₉	3-3-3 M	43 Considerable aurora
20 35 E	60 03	0-1	6.43 B ₈	3-3-3 M	9
slide 26.05		tilt 20.3			
<p>Aug 27 12^h ^{MC} -9.0 ^{SC} +0^m 51.7 ^{SW} +30.7 ^{MT} +22.2 ST +0.5</p>					

267

Date Wednesday, Aug 27-28 C-A Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7024	HD 165623	18 01.8	42 57	1-12 $\frac{1}{2}$	Astra II	.010	18.0	19 42	21 22	2
7025	196687	20 33.9	42 38	"	"	"	17.3	21 26	22 46	3
7026	208878	21 54.1	42 46	"	"	"	17.1	22 50	00 30	4
7027	231215	23 25.0	74 41	"	"	"	17.6	21 02	01 58	1
7028	4666	00 43.6	77 25	"	"	"	17.4	02 07	03 17	2
7029	17086	02 39.5	60 09	"	"	"	17.5	03 25	04 25	3
7030	21423	03 22.2	59 02	"	"	"	17.9	04 32	05 00	4
	Focus test			outside	through base			exposures		
								Focus 25.05		
								Zell 30.15		

Jan 12-6

D. H. F.

Landing Time L.S.T.	Hour Angle End	Declination		Seeing	Ptg. Mag.				REMARKS
01	25W	42	57	0-1	7.20	A ₀	3-3-3	M KSA	37
00	17W	42	47	1	7.06	A ₀	3-3-3	Hd "	40 S
01	01W	42	56	1	7.36	B ₉	3-3-3	M "	41 W (∴) E
00	38W	74	54	1	6.54	A ₀	3-3-3	H "	2 N
00	38W	77	38	1-2	6.89	A ₅	3-3-3	H "	2
00	10E	60	17	1-2	6.82	A ₅	3-3-3	Y "	9
00	18E	59	07	2-1	6.06	A ₀	3-3-3	M "	9
Uses									

269

Date

Thurs. Aug 28-29/41 - L

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dist
7031	H.D. 187279	19 44.1	31 15	I-12 $\frac{1}{2}$	Astrat	set .010	17.7	19 59	20 41	1	3
7032	" 199154	20 50.2	48 23 47 23	"	"	"	17.7	20 50	21 00	2	14
7033	" 201267	21 03.3	61 47	"	"	"	17.6	22 08	23 25	3	3 1/2
<p>Aug 29 Focus changed to 26.10. Focus test made and focus is correct A</p>											

Pointer set at 12.6

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
0 53	E	31 23	1-2	6.65	A ₀	3-3-3	K.S.A. 64 M Old list
0 41	E	48 04	2	7.23	A ₅	3-3-3	" 40 Y " "
0 31	W	61 55	2	7.58	A ₀	3-3-3	" 18 H " " Double took 5 following sky clouding over suddenly at 23 ²⁹ waited until 1:00 no sign of clearing so closed up
							<p>Aug 29^h 12^r $\begin{matrix} NE \\ -7.4 \end{matrix}$ $\begin{matrix} SE \\ +47.4 \end{matrix}$ $\begin{matrix} SW \\ +34.4 \end{matrix}$ $\begin{matrix} NT \\ +12.4 \end{matrix}$ $\begin{matrix} ST \\ +0.2 \end{matrix}$</p>
							Sat Aug 30 - cloudy with rain no visitors

P.272

Temp set 14.3

Cloudy all day. Clearing by sunset. a few light stars

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS														
	25 W	+28 55	1	7.36	A0	3-3-3 KSA 62 Hd														
1	27 W	+63 05	1-2	7.35	F5	3-3-3 17 H														
2	50 W	+60 25	1-2	6.70	A2	3-3-3 17 H (histon is very faint. Rest of night)														
3	06 W	+63 09	1	7.40	A5	3-3-3 18 H (HD 14211) checks faint, OK														
1	16 W	+75 54	1	7.10	B9	3-3-3 2 H (alpha) OK, no dust.														
3	39 W	+44 44	1	7.45	B9	3-3-3 43 M														
E.S.T. 20 45 H observed Van G + ... 12 ^h 20 ^m ; +11.5 6 ^m nucleus, no tail (more to left)																				
<table border="0"> <tr> <td></td> <td>x</td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Sep. 2</td> <td>12</td> <td>-07.2</td> <td>+37^s</td> <td>+31^s</td> <td>-11.0</td> <td>-0.3^m</td> </tr> </table>								x	MC	SC	SW	MT	ST	Sep. 2	12	-07.2	+37 ^s	+31 ^s	-11.0	-0.3 ^m
	x	MC	SC	SW	MT	ST														
Sep. 2	12	-07.2	+37 ^s	+31 ^s	-11.0	-0.3 ^m														

213

Date Tuesday, Sept 2-3 Y-C

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
7040	HD 177599	19 00.3	15° 35'	I-12	Asha	010	20.5	8 33	9 53		
7041	" 191855	20 06.9	30 29	"	"	"	20.8	9 57	10 57		
7042	" 208878	21 54.1	42 46	E108-0 →	}	"	20.8	11 13	00 ³³		
7043	" 222514	23 36.2	57 17	"		"	20.8	00 39	01 51	3	
7044	" 5551	00 52.2	63 11	"		"	21.0	01 56	03 46	4	
7045	" 18876	02 57.1	62 38	"		Astra II	"	21.0	03 57	05 07	1
	Focus test		outside thru of base				slide	26.10	tilt 20.3		

Brushed off mirror with absorbent cotton

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																												
0 5	14 ^h W	15 38	0-1	6.84	4 _{on}	3-3-3	Hd Skylight with cirrus clouds.																												
10	17 ^m W	30 36	1	6.70	B9	3-3-3	M																												
0 5	07 W	42 58	2	7.36	B9	3-3-3	M Spent 10 ^m making sure of right star. of note in program																												
10	43 W	57 31	2	7.22	A ₀	3-3-3	H KSA 19																												
13 46	01 22 W	63 23	2 → 1	7.5	B ₂	3-3-3	M " 8																												
10 7	00 37 W	62 46	2	7.37	B ₈	3-3-3	M " 9 Light cirrus clouds cross field.																												
					base apex	5 1/2 sec 4 "																													
							<table border="1"> <thead> <tr> <th></th> <th>h</th> <th>MC</th> <th>SC</th> <th>SW</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Sep. 3</td> <td>12</td> <td>-07.0</td> <td>+33.9</td> <td>+33.6</td> <td>-09.0</td> <td>-0.2</td> </tr> <tr> <td></td> <td>4</td> <td>-06.6</td> <td>+31.4</td> <td>+35.4</td> <td>-10.6</td> <td>-0.2</td> </tr> <tr> <td></td> <td>5</td> <td>-05.6</td> <td>+29.4</td> <td>+37.3</td> <td>-15.4</td> <td>-0.3</td> </tr> </tbody> </table>		h	MC	SC	SW	MT	ST	Sep. 3	12	-07.0	+33.9	+33.6	-09.0	-0.2		4	-06.6	+31.4	+35.4	-10.6	-0.2		5	-05.6	+29.4	+37.3	-15.4	-0.3
	h	MC	SC	SW	MT	ST																													
Sep. 3	12	-07.0	+33.9	+33.6	-09.0	-0.2																													
	4	-06.6	+31.4	+35.4	-10.6	-0.2																													
	5	-05.6	+29.4	+37.3	-15.4	-0.3																													

277

Date *Saturday, Sept. 6-7, 1941* H-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7051	HD 178512	19 03.8	+12 57	I-12	<i>Astiv II</i>	set 010	22.7	22 07	23 37	3
7052	199355	20 51.6	+42 08	"	"	"	22.6	23 43	00 53	4
7053	487	00 04.3	+45 50	"	"	"	22.5	00 58	02 28	1
7054	17088	02 39.5	57 19	"	"	"	22.5	02 34	04 34	2

Sunday, Sept. 8-9 - H - cloudy with light showers.

about 50 visitors.

N showed C, man, magan, β egg with 4"
H showed 5 stars + β egg

Temp. out 16.2

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
23 21 3	3 17 W	+13 00	1	6.92 B8	3-3-3	KSA 87 Light haze, image unsteady																					
20 51 4	2 46 W	+42 18	1	6.87 B9	3-3-3	" 40 numbered 7053																					
0 21	1 08 W	+46 04	0	6.98 B9	3-3-3	" 43																					
0 22	0 38 W	57 30	1-2	7.35 B2	3-3-3	" 9 few scattered clouds																					
						Turned on light while plate box was still open!																					
						Plates completely fogged																					
						<table border="0"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT₃</td> <td>ST_m</td> </tr> <tr> <td>sep 8</td> <td>12</td> <td>-04.5</td> <td>+20.8</td> <td>+36.2</td> <td>-23.0</td> <td>-0.4_m</td> </tr> <tr> <td></td> <td>9</td> <td>-04.0</td> <td>+18.2</td> <td>+36.9</td> <td>-27.0</td> <td>-0.4_m</td> </tr> </table>			MC	SC	SW	MT ₃	ST _m	sep 8	12	-04.5	+20.8	+36.2	-23.0	-0.4 _m		9	-04.0	+18.2	+36.9	-27.0	-0.4 _m
		MC	SC	SW	MT ₃	ST _m																					
sep 8	12	-04.5	+20.8	+36.2	-23.0	-0.4 _m																					
	9	-04.0	+18.2	+36.9	-27.0	-0.4 _m																					

279

Date Tuesday Sept. 9-10

Y-C

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7.046	HD 221142 Focus test	23 24.4	85 32	1-12$\frac{1}{2}$	Astra II	0.010	22.2	00 23 base 5 sec. apert 4 $\frac{1}{2}$ sec.	01 43	
<p>Wed Sept 10 Mostly cloudy with occasional clear patches, left at 11⁰⁰ o'clock. photo -</p>										

Mirror fogged during 1st half.

Temp. pointer set 15.8

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
31. 32W	86 06	0	6.89 Fo	33-3	K.S.A. 1 Electrical storm clouds came up Hunted till 3.00 AM - no sign of clearing <u>No image</u>

	MC	SC	SW	MT	ST
Sep. 10	-03.8	+15.3	+37.5	-33.6	-0.6
"	-03.5	+12.7	+37.7	-39.2	-0.7

281

Date: *Thurs. Sept. 11-12/41* L-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
7046	H.D. 187279	19 44.1	31 15	<i>I-12$\frac{1}{2}$</i>	<i>Astra II</i>	<i>set .010</i>	15.8	19 35	20 51	4	<i>10 W 3</i>
7047	" 198195	20 43.6	42 03	"	<i>E-103-0</i>	"	15.8	20 56	22 26	1	<i>43 W 4</i>
7048	" 211139	22 10.0	29 04	"	"	"	15.8	22 30	00 24	2	<i>17 W 2</i>
7049	" 3264	00 30.7	48 00	"	"	"	15.7	00 31	02 31	3	<i>02 W 4</i>
7050	" 5526	00 52.0	45 18	"	"	"	15.8	02 36	03 56	4	<i>07 W 5</i>
7051	" 21541	03 23.4	14 39	"	"	"	15.8	04 01	05 21	4	<i>01 W 4</i>
	<i>Focus Test</i>		<i>slide</i>	<i>26.10</i>	<i>tilt</i>	<i>20.3</i>	<i>outside through the base</i>				

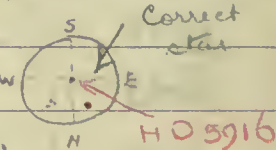
Pointer set at 10.95

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS															
0 ¹⁰ W	31 23	0	6.65	A ₀	3-3-3	K.S.A. 64 M Seeing bad.															
0 ⁴⁵ W	42 12	0	7.04	B ₉	3-3-3	" 40 Hd															
1 17 W	29 18	0	7.52	F ₅	3-3-3	" 66 H															
1 02 W	48 14	1	7.42	A ₀	3-3-3	" 20 M															
2 07 W	55 31	2	7.24	K ₀	3-3-3	" 20 H															
1 01 W	14 47	1	7.32	A ₀	3-3-3	" 71 M															
		apex 4 ¹ / ₂		base 5																	
						<table border="0"> <tr> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>-02.9</td> <td>+10.0</td> <td>+42.8</td> <td>+17.0</td> <td>-0.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td><u>Reset</u></td> <td></td> </tr> </table>	MC	SC	SW	MT	ST	-02.9	+10.0	+42.8	+17.0	-0.3				<u>Reset</u>	
MC	SC	SW	MT	ST																	
-02.9	+10.0	+42.8	+17.0	-0.3																	
			<u>Reset</u>																		

Temperature set 11.5

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21 32	0 27 W	+27 15	1-2	7.03	B9	3-3-3 KSA 63 Y <i>Found on unloading that this plate had been left loaded glass to lens (?)</i>
21 41	1 24 W	+13 00	2	6.92	B8	3-3-3 87 M
22 15	2 34 W	+60 24	2	(6.70)	A2	3-3-3 17 H <i>this star is very much fainter than 6.7 light haze.</i>
22 21	2 37 W	+57 48	2	7.56	F8	3-3-3 18 H <i>Haze</i>
22 24	0 37 W	+45 17	2-3	7.42 7.25	F5 A3	3-3-3 20 RA.00 54.0 <i>finder w</i>
22 27	0 07 W	46 08	2-3	7.11	A5	3-3-3 22 Y <i>Wrong star taken.</i>
22 34	1 12 W	32 38	2	6.62	F0	3-3-3 47 Y <i>few light clouds heavy clouds at 4.00 on</i>



Sep 13

RT₅W SWM
+01.0 -0.0
Reset

Light haze.

H showed β Cyg + Ring neb in 74-inch
 N showed SW. M.V. + Mars

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about 1100 visitors

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	
23 31	1 38 W	+59. 11	1-2	7.30	A ₀	3-3-3	KSA 18 H Light haze. Heavy condensation in dome.
0 02	0 24 W	+77 28	2	7.08	A ₀	3-3-3	2 H
0 03	0 54 W	+46 02	2	6.98	B ₉	3-3-3	43 M haze
0 04	1 02 W	+43 22	2	7.27	F ₂	3-3-3	21 Y Light clouds 2.10-2.50
0 05	1 07 W	+37 29	2	7.35	B ₂	3-3-3	9 M
0 06	0 07 W	+32 20	2	6.17	B ₉	3-3-3	48 M
							h
							ME SC SW MT ST _m
							Sep. 15 12 -01.3 +09.3 +51.3 -02.8 -0.0
							16 12 -01.0 -01.9 " +43.5 -04.6 -0.1

Temp. control 18.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		comp.	REMARKS														
0 43	0 ^k 10 ^m W	58 25	0	6.11	B ₉	3-3-3	K.S.A. 8 M ← haze blotted out sky														
0 38	3 ^k 07 W	58 03	0	7.23	A ₃	3-3-3	" 8 Hel a few patches of light haze														
0 3	0 16 W	28 30	0	5.68	A ₀	3-3-3	" 48 M														
							<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 5%;">^k</th> <th style="width: 15%;">MC</th> <th style="width: 15%;">SC</th> <th style="width: 15%;">SW</th> <th style="width: 10%;"><u>MT</u></th> <th style="width: 10%;"><u>ST</u></th> </tr> </thead> <tbody> <tr> <td>Sep. 17</td> <td>12</td> <td>-00^s.6</td> <td>-04^s.8</td> <td>+41^s.6</td> <td>-07^s.8</td> <td>-01^m</td> </tr> </tbody> </table>		^k	MC	SC	SW	<u>MT</u>	<u>ST</u>	Sep. 17	12	-00 ^s .6	-04 ^s .8	+41 ^s .6	-07 ^s .8	-01 ^m
	^k	MC	SC	SW	<u>MT</u>	<u>ST</u>															
Sep. 17	12	-00 ^s .6	-04 ^s .8	+41 ^s .6	-07 ^s .8	-01 ^m															

291

Date

Thursday Sept. 18-19/41 L-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7074	HD. 181119	19 14.1	30 50	I-12 $\frac{1}{2}$	E-103.0	Set 010	21.3	19 30	20 20	4
7075	193579	20 15.8	17 29	"	"	"	21.3	20 24	21 20	1
7076	201429	21 04.4	59 29	"	"	"	21.3	21 26	23 12	2
7077	222207	23 33.5	41 57	"	"	"	21.3	23 17	00 11	3
7078	2888	00 27.1	42 57	"	"	"	21.0	00 14	01 10	4
7079	5551	00 52.2	63 11	"	"	"	21.2	01 18	03 08	1
7080	21427	03 22.2	59 02	"	"	"	21.1	03 27	03 59	2
7081	22402	03 31.2	42 15	"	"	"	21.2	04 03	04 51	3
7082	28459	04 24.2	32 14	"	"	"	21.0	04 57	05 31	4

Pointer set at 15.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
2 00 4	0 37 W	30 56	0	6.48	A ₀	3-3-3	K.S.A. 87 H Starting right after sunset,
2 01 1	0 35 W	17 37	0-1	7.22	K ₅	3-3-3	" 88 H over <u>the entire sky</u> the
2 01 6	1 39 W	59 38	0-1	7.52	A ₀	3-3-3	" 18 Y aurora flung its streamers of
2 01 3	0 08 W	42 10	1	6.77	B ₉	3-3-3	" 43 M green, gold and rose exclusively,
2 01 4	0 15 W	43 10	1	6.43	A ₀	3-3-3	" 20 Y lighting the country like moonlight
2 01 1	1 57 W	63 24	1	7.5	B ₂	3-3-3	" 8 M
2 01 2	0 07 W	59 09	1	6.06	A ₀	3-3-3	" 9 M
2 01 2	0 50 W	42 23	1	6.25	B ₈	3-3-3	" 23 M
2 01 4	0 38 W	32 20	0	6.17	B ₉	3-3-3	" 48 M

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Date Saturday, September 20-21, 1941 H-C Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
7090	HD 201429	21 04.4	+59 29	I-12	E103-0	set 010	20.5	22 12	23 42	1	L 7V
7091	221537	23 27.9	+77 15	"	"	"	20.6	23 47	01 07	2	9W
7092	15510	02 24.7	+45 57	"	"	"	20.3	01 16	02 46	3	07 4
7093	20500	03 12.8	+12 28	"	"	"	20.2	02 56	04 42	4	08W
7094	36484	05 26.7	+32 44	"	"	"	20.1	04 50	05 20	1	08E
	Focus Test			outside through the base							

80 ± visitors. N showed Mars and 5 26 mas + β Cyg with 4"
 H showed M57 with 74 inch

Temp set 14.1

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
22	2 17 W	+59 39	1-2	7.52	A0 3-3-3	KSA 18 Y Bright aurora in N.																					
1 12	1 19 W	77 30	1	7.08	A0 2-3-3	2 H																					
0 00	0 00	46 08	1	7.11	A5 2-3-2	22 Y																					
2 14	1 08 W	12 36	2	7.59	B8 2-3-2	71 M																					
0 28	0 28 E	32 45	2-3	6.50	A0 2-3-2	49 M																					
					base 4 arc apex 3 arc																						
						<table border="0"> <tr> <td></td> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Sep. 22</td> <td>12</td> <td>+02.3</td> <td>-18.3</td> <td>+05.6</td> <td>+03.0</td> <td>+0.1^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="3">Stopped - reset.</td> </tr> </table>			MC	SC	SW	MT	ST	Sep. 22	12	+02.3	-18.3	+05.6	+03.0	+0.1 ^m					Stopped - reset.		
		MC	SC	SW	MT	ST																					
Sep. 22	12	+02.3	-18.3	+05.6	+03.0	+0.1 ^m																					
				Stopped - reset.																							

Temp set 18.4

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																	
9 ⁴²	0 28 W	+45 50	2-3	6.80	B9	2-3-2	KSA 38 Hd																
21 ⁵	1 48 W	+59 13	3	7.52	A2	2-3-2	17 H																
21 ⁵⁹	1 33 W	+72 42	3-4	7.39	F0	2-3-2	7 H																
23 ⁰⁹	1 48 W	+78 26	3	7.42	A2	2-3-2	7 H																
50 ²	0 25 W	+77 34	3	7.04	F0	2-3-2	2 H																
51 ³	0 45 W	75 57	3	7.10	B9	2-2-2	2 H																
0 ³⁵	0 05 W	17 20	3-2	7.32	A2	2-2-2	70 M																
0 ¹	0 01 E	16 33	3-2	7.02	A0p	2-2-2	71 M																
0 ²⁰	0 42 W	28 30	3-2	6.87	B9	2-2-2	47 M																
0 ³	0 17 E	28 52	2	7.17	F0	2-4	49 Hd																
Haze + clouds Star gone at 5:06																							
<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td></td> <td>nc</td> <td>sc</td> <td>sw</td> <td>HT</td> <td>ST</td> <td></td> </tr> <tr> <td>Sep. 23</td> <td>12</td> <td>+06.0</td> <td>-19.2</td> <td>+05.3</td> <td>+03.2</td> <td>-0.1</td> <td></td> </tr> </table>										nc	sc	sw	HT	ST		Sep. 23	12	+06.0	-19.2	+05.3	+03.2	-0.1	
		nc	sc	sw	HT	ST																	
Sep. 23	12	+06.0	-19.2	+05.3	+03.2	-0.1																	

slight
haze or
smoke?

299

Date Tues Sept 23-24

Y-6

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
7105	HD 182010	19 17.6	17 34	I-12	E 103:0	010	21.3	18 55	19 55	1	28 ^m W
7106	HD 190338	19 59.4	16 51	"	"	"	21.4	20 00	21 06	2	57 W
7107	HD 200407	20 58.2	43 47	"	"	"	21.3	21 13	22 13	3	06 W
7108	HD 209439	21 58.3	32 54	"	"	"	21.1	22 20	23 20	4	12 W
7109	HD 222416	23 35.3	44 31	"	"	"	21.1	23 25	01 05	1	20 W
7110	HD 16855	02 37.1	43 07	"	"	"	21.5	01 12	02 19	2	30 W
7111	HD 17922	02 47.7	42 11	"	"	"	21.2	02 22	03 32	3	35 W
	Focus Test							Through base 4secs apex 3secs			

Range interval 15.1

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
1955 1	28 ^m W	17 39	1-0	684	A0	2-2-2	M
2006 2	57 W	16 57	1-0	689	A2	2-2-2	1 ^d n. prec. is right*. other is 190406
2213 3	106 W	43 56	1-0	678	A2	2-2-2	Y
1920 4	12 W	33 06	1	695	A3	2-2-2	He Done refuses to turn
1 20 W	44 45	1-2	745	B9	2-2-2	M	
2 28 E	43 16	1	672	A2	2-2-2	M KSA	22
3 35 W	42 20	1-2	7.43	F5	222	H	" 22 Increasing haze at 3.10 Very thick at 3 30

Sep. 24 12 MC SC SW MT ST
+06 -23.4 +06.5 +04.5 -0.1

301

Date Wednesday Sept. 24-25/41 L-C Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dur
7112	H.D. 181566	19 15.9	63 02	I - 12 $\frac{1}{2}$	E-1030	set .010	20.0	19 05	21 05	4	45
7113	" 183339	19 24.0	57 49	"	"	"	20.0	21 10	22 50	1	50
7114	" 216851	22 51.3	43 02	"	"	"	19.9	22 25	00 55	5	64
7115	" 21051	03 18.7	12 17	"	"	"	19.9	03 00	04 40	3	80
7116	" 36162	05 24.7	15 17	"	"	"	19.9	05 00	05 50	4	80
Saturday Sept 29-28, 1941 M-N-C											
about 40 visitors. Very hazy. Partly clearing but hazy after 11. Closed up 11 ⁵⁰ .											

Pointer set at 14.15

Ending Time Z.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
	1 45 W	63 05	0	7.33	F5	2-2-2	K.S.A. 17 H. Seeing poor!
	2 52 W	57 53	0	6.41	B8	2-2-2	" 17 M
	3 57 W	43 14	0	7.56	B5	2-2-2	" 42 M ^{rather weak} Image blurred out by clouds. Dark and heavy haze
	8	12 25	D	7.00	G	2-4	" 71 Y
	15 W	18	0	5.84	A	2-2-2	73 Y

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Ending Time
L.S.T.

305

306

3