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3

Hour Angle
End

5

Date Friday Sept. 26-27/41 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
71										
7117	H.D. 4666	00 43.6	77 25	I-12 $\frac{1}{2}$	E-103-D	Set .010		00 45		1

Pointer set at

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

Gmp

REMARKS

		M.C.	SC	S.W.	M.T.	ST
Sep. 26	12	+07.0	-28.9	-04.4	-07.6	-0.2 ^m

Cloudy all early evening;
tentatively clearing a few times
around midnight.

0 6.89 A₃ 2

K.S.A. 2 H

Sky clouding up shortly after
start, waited for an hour, sky
still thick, close up! Close!

		MC	SC	MT	ST
Oct. 6	14	+12.8	-55.8	+23.0	-0.1 ^m

7

1941

Date Oct 7-8 Tues. 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
7117	HD 216716	22 50.0	30 56	I-12	E103-0	010	21.0	8 02	9 00	2
7118	HD 222416	23 35.3	44 31	..	..	..	20.7	9 05	10 03	3
7119	HD 5596	00 52.6	45 03	..	..	..	20.7	10 10	11 00	4
7120	HD 3229	00 30.4	-01 04	..	..	..	20.9	11 07	11 33	1
7121	HD 15814	02 27.5	14 36	..	..	..				2
	HD 18040									
Wed Oct 8-9 L-C										
Intermittent clearing and openings and closing and closings										
Last hope at 3:30										

aluminum coat. on mirror
 Telescope wet all day - drying off at night

P. 8

Ending Time
 E.S.T.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
9 00 2	1 ^h 05 E	31 10	2-1	741	A0	2-2-2	M very windy west
10 03 3	45 E	44 45	2-1	745	B9	2-2-2	M " " "
11 00 4	1 ^h 07 E	45 16	2	725	A3	2-2-2	H wind going down.
11 33 1	15 ^m E		2	643	F8	2-2-	^{sd} BSC clouds, clouded up after the exposure. Still thick at 2:00! closed up and started second numbered 712! by mistake
				649	F5		

Oct. 10 6 MC SC SW A.W. SW
 13 +14.2 -67.2 +22.2 -0.1

9

Date Friday Oct 10-11 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
7121	HD 183262	19 23.6	17 38	I-12	E-103-0		11.7	6 52	7 10 2	
		1941	Saturday	October 11-12.	H-N		about 5 visits.	cloudy with light rain.		

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

C

REMARKS

7 15 -

17 44

1-0

6.93

A2

2-4

H^d Squally, had to close for fear of rain

11

Date 1941 Sunday Oct 12-13 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
7172	H.D. 201345	21 039 33	00	1-12$\frac{1}{2}$	E-103-0		12.0°	20 26		
7122	H.D. 210208	22 037 42	27	1-12 $\frac{1}{2}$	E-103-0	.010	11.5-	20 57	21 57	51 00
		1941	Monday October 13-14, H-L cloudy all evening							

temp set 290

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
			7.52 B ₀	2-2	KSA 45 wrong star!
17 01 00	42 40	1-2	7.50 B ₉	2-2-2	KSA 41 M slight haze at first. * no more plates cut (R)
					switched on rheostat of guide wire light is low
					* Exposure on 201345 (wrong star) - same on comparison for 210200. Plate not shifted sufficiently.

13

Date Oct 14-15 Tues

V-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
7123	HD 183262	19 23 6	17 38	T-12	E103-0	010	15.5	7 16	8 00	1. 49 W
7124	HD 202313	21 09 9	30 33	"	"	"	15.6	8 04	9 04	49 W
7125	HD 206482	21 37 3	57 08	"	"	"	15.5	9 13	9 43	3 46
7126	HD 4666	00 43 6	77 25	"	"	"	14.1	23 44	00 28	4 58 W
7127	HD 15814	02 27 5	14 36	"	"	"	14.0	00 51	01 21	1. 49 W
7128	HD 20510	21 12 0	57 08	"	"	"	14 0	01 26	02 46	2. 49 W
7129	HD 21224	04 31 0	49 41	"	"	"	14 0	02 51	04 01	2. 49 W
7130	HD 34027	25 35 2	11 35	"	"	"	14 0	04 04	05 14	1. 49 W
7131	HD 37648	25 35 0	29 27 ²⁶	"	"	"	15 5	07 23	08 23	1. 49 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
8:00	1 ^h 49 W	17 44	1	6.93 A ₂	2-2-2	Hd clearing - still thickish
9:00	1 08 W	30 43	1-2	7.56 A ₀	2-2-2	Y
1:00	1 17 W	57 18	1-0	7.50 F ₅	2-4	H clouds - not near 20 ^m Exp
0:28	0 58 W	77 39	0	6.89 A ₅	2-2-2	KSA 2 H
0:01	0 02 W	14 46	0	6.49 F ₅	2-2-2	70 Y
0:00	0 06 W	10 38	0	7.59 B ₂	2-2-2	71 M
0:00	0 15 W	27 48	0	7.38 A ₀	2-2-2	78 Hd
5:00	1 19 W	12 26	1	7.5 A ₀	2-2-2	73 M
	1 42 W	29 28	1	6.75 A	2-2-2	49 M @ 74" \rightarrow
						MC SC * MT ST Oct. 15 +15 -1.24 -25 ^s -0.1 ^m

Printer set at 9.6 and plug in

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
1 ¹⁰ W	13 00	1	6.92 B ₃	2-2-2	A.S.A. 87 M.
1 ³⁴ W	57 40	1	7.57 K ₂	2-2-2	" 17 H
2 ²⁰ W	45 55	1-0	7.46 A ₂	2-2-2	" 39 H <i>found increasing</i>
2 ¹² W	32 41	0-1	6.69 B ₉	2-2-2	" 64 M <i>image</i>
2 ²⁴ W	42 10	0-1	7.15 B ₈	2-2-2	" 40 M <i>unsteady</i>
3 ¹⁶ W	47 49	0-1	7.50 A ₀	2-2-2	" 40 Y
	47 57	0-1	7.46 A ₀	2-	" 43 H <i>clouds began to close</i>
					<i>shutter suddenly failed began to vibrate</i>
					<i>lightly.</i>
					* This night's plates unloaded into an Astra II Box, in drawer in the dark room.

Date

Jan Oct 14 - 7/41 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
7138	HD 188876	19 52.2	30 40	I 12 1/2	E-1030	56 010	10.5	06 16	07 02	2 3' W
7139	" 187279	19 44.1	31 15	"	"	"	10.5	07 06	07 30	3 07 W
7140	" 183339	19 24.0	57 49	"	"	"	10.5	07 34	07 58	4 56 W
7141	" 186672	19 40.7	60 19	"	"	"	10.5	08 02	08 42	1 23 W
7142	" 200039	20 55.9	75 32	"	"	"	10.5	08 47	09 09	2 36 W
7143	" 201888	21 07.4	62 53	"	"	"	10.5	09 14	09 38	3 53 W
7144	" 221142	23 24.4	85 52	"	"	"	10.5	09 45	10 09	4 5 W
7145	" 221829	23 30.4	86 38	"	"	"	10.5	10 15	11 09	1 01 W
7146	" 225093	23 58.3	72 36	"	"	"	10.5	11 13	00 22	2 5 W
7147	" 17058	02 07.5	17 19	"	"	"	10.3	00 30	01 10	7 E
7148	" 18040	02 48.8	47 56	"	"	"	10.3	01 15	01 34	5 W
7149	" 21427	21 22.2	59 02	"	"	"	10.3	01 58	02 30	1 8 W
7150	" 22400	03 42.4	15	"	"	"	10.3	02 25	02 42	5 W
7151	" 29224	04 31.0	27 43	"	"	"	10.3	03 04	03 24	1 W
7152	" 36435	05 25.3	48	"	"	"	10.1	03 58	04 38	1 W
7153	" 75190	01 31	18	"	"	"	10.2	04 41	04 57	1 W

Temp 28.6 OUT

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
07 02	0 30 W	32 55	0-1	7.24	A ₀	2-2-2 K.S.A. 64 M
07 30	1 07 W	31 22	0-1	6.65	A ₀	2-2-2 " " M
07 58	1 56 W	57 55	0-1	6.41	B ₈	2-2-2 " 17 M
08 42	2 23 W	60 26	1	6.70	A ₂	2-2-2 " " H Star looks faint (about 7.2)
09 00	1 36 W	75 44	1	6.99	G ₅	2-2-2 " 7 H
09 00	1 53 W	63 03	1	6.45	B ₈	2-2-2 " 18 H
09 00	0 08 W	86 06	1-0	6.89	F ₀	2-2-2 " 1 H
09 30	1 01 W	85 50	1-0	7.32	A ₅	2-2-2 " 1 H
09 30	1 45 W	72 49	1-0	7.58	A ₂	2-2-2 " 2 H
09 30	0 09 E	57 29	2	7.35	B ₂	2-2-2 " 9 M
09 30	0 25 W	48 05	2	7.26	A ₂	2-2-2 " 22 H preceding brighter
09 30	0 18 W	59 08	1-0	6.06	A ₀	2-2-2 " 9 M
09 30	2 48 W	42 23	1-0	6.25	B ₈	2-2-2 " 23 M 25/17 mag
09 30	2 45 W	27 48	2	7.38	A ₀	2-2-2 " 48 Hcl "
09 30	0 33 W	21 50	2	7.32	A ₀	2-2-2 " 49 Hcl
09 30	0 45 W	31 20	1	5.91	B ₈	2-2-2 " " A ₁

CONTINUED OVER.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		<i>Imp</i>	REMARKS
	1 15 W 45	54	2	7.34	G 5	2 2	K.S.A. 25 Y
	1 40 W 45	37	1-2	6.60	A 0	2 2 2	" 25 Hd
							<div style="text-align: center;"> $\overbrace{\text{MC SC SW MT}_s \text{ST}}$ Oct. 17 13 +19.7 -1 23.5 -47.0 -05 0 -00^m </div>

finder set 9.25

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
20 59	01 31W	63 08	0	7.40	A ₅	2-2-2	KSA 18 H
21 21	0 57W	44 59	0	6.14	A ₂	2-2-2	" 41 H
22 02	0 36W	44 45	0	7.45	B ₉	2-2-2	" 43 M
23 45	1 37W	46 34	0	7.23	B ₉	2-2-2	" 43 M

^h
 Oct 20 19 ^h MC SC SW NT ST
 +23.4 -1 27.3 -1 02.4 +11.6 +0.2


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Date Monday October 20-21, 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.	H	Hour Angle End
	HD 203991	21 20.5	+18 02	I-12	E103-0	010					
		Tues. Oct 21-22			Y-C						
7160	HD 187640	19 45.9	+28 12	I-12	E103-0	010	13.1	5 58	6 10	1	5 ^h W
7161	HD 192954	20 12.6	+15 33	"	"	"	13.3	6 14	6 46	2	11 ^h W
7162	HD 196687	20 33.9	+42 38	"	"	"	13.1	6 51	7 15	3	23 ^h W
7163	HD 198195	20 43.6	+42 03	"	"	"	13.0	7 18	7 40	4	39 ^h W
7164	HD 198690	20 47.0	42 01	"	"	"	13.0	7 43	8 05	1	50 ^h W
7165	HD 199154	20 50.2	47 53	"	"	"	13.0	8 11	8 41	2	132 ^h W
7166	HD 207990	21 48.1	61 09	"	"	"	13.0	8 46	9 26	5	125 ^h W
7167	HD 204231	21 22.1	57 39	"	"	"	13.0	9 33	10 03	4	203 ^h W
7168	HD 216851	22 51.3	43 02	"	"	"	13.0	10 10	11 00	1	150 ^h W
7169	HD 224380	23 52.3	47 43	"	"	"	13.0	11 06	11 56	2	140 ^h W
7170	HD 20193	3 09.6	32 29	"	"	"	13.0	00 03	00 23	3	145 ^h E

Cloudy in evening. Stars thinning out.
opened up 21⁰⁰

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
				7.47	A0		Clouded before telescope was centered, cloud scattered 21 ²⁵ closed up 22 ⁰⁰
6	5 ^m W	28 18	3	624	B8	2-2-2	H
6:26	14 ^m W	15 41	3	732	B5-A	2-2-2	^M Could see both stars @ A 0 or 180 ± ?
7:15	22 W	42 47	3	706	A0	2-2-2	Hd
7:40	38 W	42 12	3	704	B9	2-2-2	Hd
8:05	59 ^m W	42 10	3	715	B8	2-2-2	M
8:41	1 32 W	48 04	3-2	723	A5	2-2-2	γ Blew here fine!
9:26	1 20 W	61 22	2	719	A2	2-2-2	γ double.
10:03	2 23 W	57 50	2	756	F8	2-2-2	H 
11:01	1 50 W	43 14	2	756	B5	2-2-2	M New Emulsion
11:56	1 46 W	47 56	2-3	746	A0	2-2-2	H
12:05	1 05 E	32 39	2	662	F0	2-2-2	Y
Continued OVER							

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Date Thurs Oct 21 1922 ^Y ~~X~~ _C [Continued] 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
7171	HD 21540	23 23.4	46 42	1-12 $\frac{1}{2}$	F 103.0	.010	12.9	00 28	00 58	1 46 E
7172	21641	23 24.5	27 31	"	"	"	12.9	01 03	01 29	2 01 15 E
7173	21844	23 26.2	47 34	"	"	"	13.0	01 33	01 53	3 00 07 W
7174	22402	23 27.2	42 15	"	"	"	13.0	01 58	02 08	4 00 06 W
7175	29646	04 35.0	28 25	"	"	"	12.7	02 13	02 23	1 00 30 E
7176	34384	05 11.9	28 41	"	"	"	12.9	02 30	03 20	2 00 00 W
7177	36484	05 26.9	32 44	"	"	"	13.0	03 58	04 11	3 00 25 W
7178	43537	06 11.7	28 02	"	"	"	12.8	04 14	05 14	4 00 51 W
7179	47256	06 22.6	27 53	"	"	"	12.9	05 22	05 41	5 00 00 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Imp.	REMARKS
00:52	0 46 E	46 51	2	6.95	B ₈ 2-4	KSA 23 M
01:22	0 15 E	47 40	2-3	6.75	B ₉ 2-2-2	" 23 M
01:53	0 02 W	47 44	3	6.97	F ₀ 2-2-2	" 23 Y
02:18	0 18 W	42 34	3	6.25	B ₈ 2-2-2	" 23 M
02:33	0 30 E	28 30	3	5.68	A ₀ 2-2-2	" 48 M
02:52	0 10 W	29 42	1	7.33	A ₃ 2-2	" 49 Y
03:12	0 25 W	32 45	2-3	6.50	A ₀ 2-2-2	" 49 M
03:51	0 45 W	28 01	1	7.42	A ₀ 2-2-2	" 50 H.L.
04:14	0 01 W	27 50	2	7.26	A ₂ 2-2-2	" 50 H.L.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
19 10	+1 01	+12 45	1	7.57	F ₂	2-2-2	KSA 88 Y Few clouds
19 5	+1 21	+45 00	1-2	6.62	A ₀	2-2-2	40 H
20 -	+1 22	+42 43	1-2	7.21	B ₈	2-4	40 M Hwy bk SC came up; ocul sprkl
							Circ. viet, sev. time. for eg 21 ³⁰ -22 ⁰⁰ 22 ²⁰ -22 ³⁵

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Date Saturday October 25-26 1941 H-S Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	How Angle Ind
7183	HD 184905	19 31.5	+43 43	I-12	East, 1130	54 010	+6.1	17 54	18 22	4
7184	190323	19 59.3	+14 45	"	"	"	+6.1	18 38	19 01	1
7185	197345	20 51.6	+42 08	"	"	"	+6.1	19 15	19 39	2
7186	196833	20 34.8	+43 58	"	"	"	+6.1	19 41	19 59	3
7187	221405	23 26.8	+77 20	"	"	"	+6.0	22 03	22 23	7
7188	221537	23 27.9	+77 15	"	"	"	+6.1	22 25	22 47	1
7189	224570	23 26.5	-72 02	"	"	"	+6.1	22 52	23 04	2
7190	235112	23 58.3	+72 36	"	"	"	+6.1	23 17	23 41	3
7191	4666	20 43.6	+77 25	"	"	"	+6.0	23 51	0 11	1
7192	17386	02 30.5	+63 09	"	"	"	+6.1	0 16	0 30	1
7193	17501	02 41.3	+63 00	"	"	"	+6.0	0 39	1 11	2
7194	17629	02 40.2	+63 03	"	"	"	+6.1	1 14	1 54	3
7195	21027	02 32.2	+59 02	"	"	"	+6.1	1 57	2 39	4
7196	21703	02 35.5	+58 26	"	"	"	+6.1	2 11	2 26	1

Cloudy & partly cloudy all day, clearing at dusk

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Thermometer - 25.2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
15:00	0 45 W	+43 49	2	6.586 A0	2-2-2	KSA 37 H Increasing cloudiness. Star gone most of time 18 ⁰⁰ -18 ⁰⁰
15:09	1 12 W	+14 48	2	7.36 F84	2-2-2	88 H Thick clouds delayed start. Clouds first part.
15:17	0 44 W	+42 18	2	6.87 B9	2-2-2	40 M
15:27	1 20 W	+44 08	2-3	6.52 B8	2-2-2	40 M
			70 minutes			
	H			74 inch		C showed. Moon, Mars, Jupiter, Saturn.
15:35	0 54 W	+77 35	2-3	7.04 A0	2-2-2	KSA 2 H N-W wind main. Star bit wobbly
15:40	1 04 W	+77 30	.3	7.08 A0	2-2-2	2 H
15:45		+73 16	3	6.52 A0	2-2-2	2 -
15:50	1 06 W	-72 50	2	7.58 A2	2-2-2	2 H
15:55	1 24 W	+77 58	2	6.99 A5	2-2-2	2 H
16:00	1 32 E	+6 17	2-1	6.82 A5	2-2-2	7 Y New Comets
16:05	1 23 W	+63 11	2-1	7.50 G0	2-2-2	9 H
16:10	1 28 W	+50 14	2	7.44 A3	2-2-2	9 Y
16:15	0 40 W	+59 09	2-1	6.06 A0	2-2-2	9 M
16:20	0 50 W	+58 34	1	6.77 A2	2-2-2	7 H

Wind blowing
N-E, S-E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					<div style="display: flex; justify-content: space-around;"> W MC SC 8W MTW STW </div>
					Oct. 29 13 +35.0 +44.4 -10.6 +39.0 +0.7 Reset
					Nov. 3 13 +42.5 -
					7 13 +27.9 -22 -56 +1.8 <small>s</small> <small>m</small>
					10 13 +55.1 +22.6 +02.2 -05.3 -0.0 Reset
					12 13 +19.2 -07.0 +04.0 -0.3 <small>s</small> <small>m</small>
					13 13 +59.0 +07.1 +05.6 +09.4 +0.2 <small>s</small> <small>m</small>
					14 13 +48.6 +01.0 +01.8 +14.5 +0.1 <small>s</small> <small>m</small>

Date

Monday November 15-12 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
7187	<i>AB 225 093</i>	<i>23 58.3</i>	<i>172 26</i>	<i>I-12</i>	<i>1-103-0</i>	<i>27 0 6</i>	<i>48 0</i>	<i>21 30</i>	<i>22 11</i>	<i>2</i>
7188	<i>4156</i>	<i>26 43.6</i>	<i>+71 25</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>48 1</i>	<i>22 21</i>	<i>23 11</i>	<i>3</i>
7189	<i>17033</i>	<i>26 39.5</i>	<i>+57 47</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>48 1</i>	<i>22 55</i>	<i>23 31</i>	<i>4</i>
7190	<i>C 2154A</i>	<i>03 23.5</i>	<i>-41 42</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>48 0</i>	<i>22 24</i>	<i>23 55</i>	<i>1</i>
	<i>Calibration</i>	<i>50 42</i>	<i>00</i>	<i>10-22</i>						

Cloudy all day. slowly clearing after dark
 hazy at slight fog.

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
2	1 37 N	+72 52	0	7.58	A2	2-2-2	KSA 2 Very hazy at start.
2	1 27 W	-77 10	2-1-0	6.89	45	2-2-2	2 Scattered clouds. being variable.
1	0 11 W	+57 30	2	7.35	B2	2-2-2	9 Hazy
1	0 11 E	+40 53	2	6.75	B8	2-2-2	23

35

Date Sunday Mar 16-17 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
72 01	HD 198195	20 43.6	42 03	12 ^{1/2}	E-103-0	01.0	+05.4	17 33	18 13	2
72 02	202345	21 10.1	74 50	"	"	"	05.4	18 22	19 20	3
72 03	222207	23 33.5	41 57	"	"	"	05.2	19 27	20 17	4
72 04	221829	23 30.4	85 38	"	"	"	05.3	20 32	21 12	1
72 05	1359	00 12.7	75 43	"	"	"	05.3	21 30	22 10	2
72 06	21743	03 25.3	27 14	"	"	"	05.4	22 42	23 15	3
72 07	21641	03 24.5	47 ¹ / ₅₈	"	"	"	05.1	23 18	23 58	4

Temp set 24.6 - E.P.O.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
18 13		42 12	1	7.04 B ₉	2-2-2	KSA 40 H
19 20	36W	74 59	1	7.38 F ₅	2-2-2	7 H
20 17	07W	42 12	0	6.77 B ₉	2-2-2	43 M
21 21	17W	85 52	1	7.32 F ₅	2-2-2	1 H beautiful spot!
22 20	41W	75 58	1	7.10 B ₉	2-2-2	2 H
23 20	049E	27 23	0	5.93 A ₀	2-2-2	47 M
24 11	33E	47 40	0	6.75 B ₉	2-2-2	23 M

	l	MC	SC	8W	HT	ST
Nov. 17	13	+27.8	+10	+22.0	+27.3	+0.5
		Stopped - reset				

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Date Monday, November 17-18, 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
7208	HD 199355	20 51.6	+42 08	I-12	Astra II	^{Sit} 010	2.1	17 25	17 55	1
7209	199890	20 54.9	+47 13	"	"	"	2.0	17 59	18 38	2
7210	201269	21 03.3	+47 47	"	"	"	2.1	18 41	19 29	3
7211	221215	23 25.0	+74 41	"	"	"	2.1	19 34	19 52	4
7212	221405	23 ²⁶⁸ 25.1	+77 20	"	"	"	2.0	19 55	20 21	1
7213	225093	23 58.3	+72 36	"	"	"	2.0	20 27	21 07	2
7214	{ 224890	23 56.5	+73 ⁰³ 14	"	"	"	2.0	21 10	21 38	3
		"	"	"	"	"	2.0	21 28	21 40	
7215	1359	00 12.7	+75 43	"	"	"	2.1	21 43	22 00	4
7216	9713	01 10.9	+43 11	"	"	"	2.0	22 10	22 35	1
7217	21541	03 23.4	+14 39	"	"	"	2.1	22 41	23 19	2
7218	21570	03 24.0	+16 25	"	"	"	2.0	23 22	23 51	3
7219	21714	03 25.0	+17 37	"	"	"	2.0	23 55	00 30	4
7220	23766	03 31.5	+28 27	"	"	"	2.0	00 34	01 12	1
7221	34031	04 05.2	+12 25	"	"	"	2.0	01 20	02 04	2
7222	56104	05 29.2	+12 12	"	"	"	2.1	02 03	02 25	3

Thermostat 21.7

Strong E-SE wind

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
55	0 31 W	+42 17	1	6.87 B9	2-2-2	KSA 40 M Light haze, clearing
1 37	1 11 W	+47 24	1	7.20 B8	2-2-2	40 M
1 59	1 54 W	+47 58	1	7.50 A0	2-2-2	40 M
2 07	0 05 E	+74 55	2-1	6.54 A0	2-2-2	2 H
2 21	2 22 W	+77 35	2	7.04 A0	2-2-2	2 H
2 27	0 31 W	+72 50	2-3	7.58 A2	2-2-2	2 H
2 31	3 58 W	+73 17	3	6.52 A0	2-2-2	2 H at Mag 5
2 37	1 11 W	+73 17	3	6.52 A0	2-2-2	2 H setting 10 ⁰ above becoming very faint or extinct.
2 41	1 15 W	+75 57	3	7.10 B9	2-2-2	2 H
2 45	0 41 W	+42 23	3	7.27 F2	2-2-2	21 Y ← Time lost due to considerable elongation of pillars or minor, ongoing, etc.
2 49	0 37 E	+14 47	2	7.32 A0	2-2-2	71 M
2 53	0 04 E	+16 32	2	7.02 A0	2-2-2	71 M
2 57	0 39 W	+27 30	2	7.12 B9	2-2-2	47 H S. Preceding. Haze
3 01	1 05 W	+28 34	2-3	6.56 A0	2-2-2	47 H Brighter Blue component
3 05	0 23 W	+12 24	2	7.5 A0	2-2-2	73 M Haze
3 09	0 50 W	+12 14	1	6.95 B3	2-2-2	73 M

could see

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
03:17	1 32 W	30 50	1	7.40	B5	2-2-2 K.S.A. 49 M 1st
04:15	1 49 W	14 52	1	7.27	B9	2-2-2 " 74 H
05:18	0 38 W	32 27	1	7.56	A3	2-2-2 " 52 M
06:18	1 18 W	32 04	1	7.54	F8	2-2-2 " 52 H
						Nov 18 13 ^h
						M.C +28.4
						S.C +60
						S.W +56 ^s
						MT -29.2
						ST +36 ^s

** Jump in dome rising*

41

Date 1941 Nov. 18-19 Tuesday 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
							+10.3	5 30		
7227	HD 29646	04 350	24 33	1 12	E-1000	227 250	+10.3	00 42	01 12	4
7228	32784	05 405	62 28				11.3	01 29	02 57	1
7229	50658	06 491	46 25				10.6	03 05	03 35	2
7230	56386	07 117	31 09				10.5	03 44	04 24	3
7231	71057	08 229	33 02				11.2	04 50	05 20	4
7232	80580	09 054	32 11				11.4	05 36	06 24	1

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

2-

Mirror fogged slightly - closed up. Quick!
 Still fogged at 11⁰⁰

all dried up at midnight

0 05 W

28 29

1

5.68

A₀^m

2-2-2

KSA 48 M image mostly - considerable haze

0 30 W

62 24

1

6.88

A₅

2-2-2

10 H

Lost about 2 mags. in haze

0 17 W

46 22

1

5.75

B₈

2-2-2

26 M

1.15

0 45 W

31 04

1-2

5.96

B₉^m

2-2-2

51 Y

1.15

57 52

1

6.66

A₀^m

2-2-2

52 M

Fading. slit lifted.

0 41 W

32 30

1-2

6.58

A₀^m

2-2-2

53 M

1.15

		MC	SC	MT	ST
Nov. 20	13	+32.6	+01.1	+31.0	+0.6

Separate ... at 05 49; ... (1.15 at ...)

25.2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0-35	0 12 W	42 23	0	6.61	A ₀	2-22 KSA 26 " strong wind shakes image
0-3	1 09 W	29 51	0	7.17	A ₂	2-22 51 Y
0-38	1 02 W	28 40	1	7.58	F ₂	2-22 52 Y large clouds etc at 5.10 image vanished at 6.00.
						CT MC SC SW MT ST
				(WBEN)	Nov. 21	13.5 +32.2 -03.1 +21 +29.8 +0.6
					24	+36.3 -10.5 +17.5 +27.0 +0.1
						Part

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Date Monday, Nov 24-25, 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
7236	HD 200039	20 55.9	+75 32	-12	E103-0	24 010	1.4	17 46	18 02	1
7237	201908	21 07.5	+77 43	"	"	"	1.4	18 04	18 14	2
7238	202505	22 11.2	+78 15	"	"	"	1.4	18 16	18 42	3
7239	202345	22 10.1	+74 50	"	"	"	1.3	18 42	18 55	4
7241	207990	21 48.1	+61 09	"	"	"	1.4	17 12	17 34	1
7242	206482	21 32.3	+57 08	"	"	"	1.4	19 39	20 00	2
7243	221215	22 25.0	+74 41	"	"	"	1.4	20 08	20 18	3
7244	221537	22 27.9	+77 15	"	"	"	1.3	20 31	20 39	4
7245	224981	23 51.5	+72 03	"	"	010	1.4	20 42	20 52	1
7246	225010	23 57.2	+72 36	"	"	"	1.4	21 55	21 29	2
7246	135906	12.7	+75 43	"	"	"	1.2	21 32	21 54	3
7247	168550	22 37.1	+43 07	"	"	"	1.2	21 55	22 12	4
7248	18040	22 48.7	+47 56	"	"	"	1.1	22 22	22 50	1
7249	20527	22 12.9	+15 28	"	"	"	1.1	22 55	23 41	3
7250	21570	23 22.4	+14 29	"	"	"	1.2	23 44	00 19	2
7251	21700	23 25.7	+21 02	"	"	"	1.2	00 51	01 43	1

Cloudy at sunset, gradually clearing

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Thermometer set 21.0

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
18 02	03 W	+75 43	2	6.99	G5	2-2-2 KSA-7
18 05	05 W	+77 54	2	5.88	B9	2-2-2 7
18 27	1 W	+75 24	2	7.42	A2	2-2-2 7
18 55	1 W	+75 00	2	7.38	F5	2-2-2 7 being variable
19 43	1 W	+61 19	2-3	7.19	A2	2-2-2 18 Y Brighter than 19
20 25	2 W	+57 18	2	7.50	F5	2-2-2 18 H Brighter than 19
20 44	0 W	+71 54	2	6.54	A0	2-2-2 2 H
20 57	0 W	+77 30	2	7.08	A0	2-2-2 2 H
21 33	0 W	+73 17	2	6.52	A0	2-2-2 2 H
21 47	1 W	+72 52	2	7.58	A2	2-2-2 2 H
21 37	1 W	+75 57	2	7.10	B9	2-2-2 2 H child not drawn till 21 ³⁴
22 23	0 E	+43 16	2	6.72	A2	2-2-2 22 M
22 08	0 E	+48 07	2	7.21	A2	2-2-2 22 Hd (probably HD 18017) started in fainter comp. brighter than brighter
22 24	0 W	+12 37	2-1	7.59	B8	2-2-2 71 M
22 46	0 W	+14 47	2-1	7.32	A0	2-2-2 71 M
22 12	1 W	+57 33	2-1	7.12	B2	2-2-2 71 Hd

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Date.....

Contd

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
7252	H.D. 22860	03 35.2	28 23	I-12 $\frac{1}{2}$	E-103 D	set .010	1.2	00 47	01 09	4 29 W
7253	" 34021	05 09.2	12 25	"	"	"	1.2	01 14	01 54	2 24 W
7254	" 36425	05 26.5	31 48	"	"	"	1.1	02 00	02 30	3 29 W
7255	" 37647	05 35.0	29 27	"	"	"	1.1	02 37	03 13	4 34 W
7256	" 43335	06 10.6	17 12	"	"	"	1.1	03 11	03 42	1 27 W
7257	" 54901	07 05.6	15 30	"	"	"	1.1	03 47	04 17	2 28 W
7258	" 70566	08 17.6	32 38	"	"	"	1.2	04 28	05 02	3 24 W
7259	" 74057	08 36.6	32 13	"	"	"	1.2	05 06	05 36	4 24 W
7260	" 74292	08 38.1	32 26	"	"	"	1.1	05 42	06 24	1 22 W
7261	" 77986	09 00.6	16 15	"	"	"	1.1	06 08	06 36	2 24 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
00 4	1 29 W	28 30	2-1	6.87	B ₉	2-2-2	K.S.A. 47 M
00 54	0 41 W	12 27	2-1	7.5	A ₀	2-2-2	" 73 M
00 7	0 59 W	31 49	2-1	7.32	A ₂	2-2-2	" 49 Hd
03 7	1 34 W	29 27	2	7.45	A	2-2-2	" 49 Hd
06 2	1 27 W	17 11	2	7.47	K ₀	2-2-2	" 74 H
00 1	1 08 W	15 25	2	7.54	F ₀	2-2-2	" 75 Hd
00 0	1 40 W	32 29	2	7.56	A ₃	2-2-2	" 52 M
00 0	0 56 W	32 04	2	7.54	F _B	2-2-2	" 52 H
00 0	1 22 W	32 15	2-1	6.95	A ₂	2-2-2	" 52 M
00 7	1 22 W	16 09	2-1	7.25	B ₉	2-2-2	" 77 M

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comps	REMARKS																								
7:30	2 27 W	63 08	1-2	7.40	A5	2-2-2	H																								
7:48	2 40 W	63 02	2	6.45	B8	3-3	H																								
8:10	40 ^m W	72 51	2	7.58	A2	2-2-2	H																								
8:30	1 40 E	27 32	2	7.12	B9	2-2-2	H st p. fainter star clouds.																								
							<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Nov. 26</td> <td>13</td> <td>+42.0</td> <td>-12.2</td> <td>+19.6</td> <td>-15.6</td> </tr> <tr> <td></td> <td></td> <td>wt added</td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Resit</td> </tr> </table>		MC	SC	SW	MT	ST	Nov. 26	13	+42.0	-12.2	+19.6	-15.6			wt added			0.0						Resit
	MC	SC	SW	MT	ST																										
Nov. 26	13	+42.0	-12.2	+19.6	-15.6																										
		wt added			0.0																										
					Resit																										

Pounder set at 23.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
12:00	0 48 W	17 35	1-2	6.97	F ₂	2-2-2 K.S.A. 89 Hd Clouds at sunset.
12:30	1 30 W	18 12	1	7.47	A ₀	2-2-2 " " Hd Clouds 18 ¹⁵ -18 ³⁵
						Sky filling in solid at 18 ⁵⁰ Remaining clear.
						<div style="display: flex; justify-content: space-around; align-items: center;"> Nov. 27 x MC SC SW MT ST </div> <div style="display: flex; justify-content: space-around; align-items: center;"> 13 +42.9 -14.5 +21.5 -10.5 +0.2 </div>

Points set at P3.95

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
9 ²⁷	2 ¹⁹ W	18 12	0	7.47	A ₀	2-2-2 K.S.A. 89 Hd Clouds after sunset.
2 ⁰⁰	2 ²⁰ W	29 46	1	7.54	B ₈	2-2-2 " 66 M Light clouds
2 ³⁰	1 ²⁷ W	42 11	1	6.77	B ₉	2-2-2 " 43 M Clouds
2 ³⁰	2 ⁰⁰ W	46 32	1	7.22	B ₉	2-2-2 " 43 M
2 ⁴⁰	0 ⁵⁷ E	27 23	1	5.93	A ₀	2-2-2 " 47 M
2 ⁴⁵	0 ²⁰ W	47 45	1	6.77	F ₀	2-2-2 " 23 Y
2 ⁴⁵	0 ²⁹ W	42 22	1-2	6.25	B ₈	2-2-2 " 23 M
2 ⁴⁵	0 ⁰⁵ W	48 25	2	6.86	A ₀	2-2-2 " 47 Hd Not in range. Cloud

	MC	SC	SW	MT	ST
Nov. 28	16	+44.8	-15.7	+23.4	-04.2 +0.3

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Date Friday, November 28-29, 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
7276	HD 201908	21 07.5	+77 43	I-12	E-103-0	24 5.10	+5.6	17 22	17 30	1
7277	202505	21 11.2	+78 15	"	"	"	+5.5	17 34	18 11	2
7278	201429	21 04.0	-59 29	"	"	"	+5.7	18 12	18 56	3
7279	201888	21 07.4	+62 53	"	"	"	+5.6	18 57	19 12	4
7280	202511	21 11.3	-57 52	"	"	"	+5.6	19 15	19 41	1
7291	221142	23 24.3	+85 52	"	"	"	+5.6	19 45	20 15	2
7292	221829	22 00.4	+90 33	"	"	"	+5.6	20 04	20 15	3
7293	221418	23 26.8	+77 26	"	"	"	+5.6	20 39	21 09	4
7294	224890	22 56.5	+71 53	"	"	"	+5.6	21 03	21 13	5
	224810	23 06.5	+65 43	"	"	"	+5.7	21 17	21 27	6
7295	427	10 04.3	-45 10	"	"	"	+5.7	21 13	21 52	7
7296	5581	22 52.3	+62 11	"	"	"	+5.6	21 44	22 35	8
7297	5932	01 22.3	+15 32	"	"	"		22 23	22 46	9
7299	21207	13 20.2	+59 54	"	"	"	+5.7	22 44	23 34	10
	21202	13 20.2	+59 54	"	"	"		22 57	23 07	11
7299	20718	12 25.2	+59 24	"	"	"		23 13	23 13	12

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
17 ²⁹	35 W	+77 54	1	5.88	B9	2-2-2 KSA 7 H <i>Light haze</i>
17 ⁰⁰	12 W	+78 26	1	7.42	A2	2-2-2 7 H
17 ⁰²	12 W	+59 38	1	7.52	A0	2-2-2 18 Y
17 ⁰²	2 W	+13 00	1	6.45	B8	2-2-2 18 H
17 ⁰²	2 W	+77 04	1	7.02	A0	2-2-2 18 Y
17 ⁰⁵	0 53 W	+76 00	1-2	6.89	F0	2-2-2 1 H
17 ⁰⁵	16 W	+85 52	1-2	7.32	A5	2-2-2 1 H
17 ⁰⁸	11 W	+77 24	1	7.04	A0	2-2-2 2 H
17 ¹⁰	11 W	+73 16	1-2	6.52	F0	2-2-2 2 H
17 ¹⁰	11 W	+73 16	1-2	6.52	A0	2-2-2 2 H <i>Setting 10</i>
17 ¹⁰	11 W	+74 04	1-2	6.78	B9	2-2-2 43 H
17 ¹³	15 W	+52 24	2	7.5	B2	2-2-2 8 M
17 ¹⁵	17 W	+43 45	2	6.54	B9	2-2-2 21 M
17 ¹⁷	17 E	+11 23	2-3	6.43	B9	2-2-2 7 M
17 ¹⁷	17 E	+02 03		6.03	B7	3-3
17 ²³	17 E	+09 34	2	6.37	B2	3-3 9 H

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(continued)

Date

July 24 1952

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
7272	21641	03 24	+47 31	E-17	E-120	010	5.1	23	23	
7271	21742	03 25	+27 19	"	"	"	5.2	23	23	
7273	21720	03 25	+27 23	"	"	"	5.5	23	23	1

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS												
0 22 V	-07 40			4.75	B9m	2-2-2 KSA 25 M												
0 38 N	-27 22		2-1	7.93	B9	2-2-2 47 M												
	+07-32			9.02	B9	2-2-2 97 M												
						clouds, haze, clouds star gone at 12 15 at 2:00, sky breaking clear a couple of times stars filtering in solid.												
						<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>Dec 1. 13</td> <td>stopped</td> <td>-50.2</td> <td>-03</td> <td>+17.0</td> <td>+0.2</td> </tr> </tbody> </table>		MC	SC	SW	MT	ST	Dec 1. 13	stopped	-50.2	-03	+17.0	+0.2
	MC	SC	SW	MT	ST													
Dec 1. 13	stopped	-50.2	-03	+17.0	+0.2													

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- Dec. 1

Date

Sunday, November 30, 1901

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
7292	HD 201859	21 07.2	27 09	1-12 $\frac{1}{2}$	E-1030	0.10	3.4°	17 44	18 44	55W
7293	216851	22 51.3	43 02	"	"	"	3.2	18 48	19 48	5W
7294	223057	23 41.2	62 45	"	"	"	3.3	19 54	19 44	2W
	Focus test	21 07.2	27 09		Focus	26.10	Tilt	20.3		
7295	17439	02 17.5	17 09	"	"	"	3.5	21 04	21 58	0.5E
7296	21700	03 25.0	27 23	"	"	"	3.6	21 51	22 41	2.5E
7297	24701	03 50.5	43 02	"	"	"	3.3	22 45	23 25	3E

Temp set 23.3 °C

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	exp	REMARKS
18 42	1 55W	27 19	0	7.56	A ₀ ^m	2-2-2 KSA 65-Y
19 18	1 15W	43 15	0	7.56	B ₅ ^m	2-2-2 42 M
19 41	1 21W	42 59	1	7.54	A ₀ ^m	2-2-2 19 Hd
		through back.	3 1/2			through apert. 2
19 41	0 21E	17 20	1	7.32	A ₀	2-2-2 70 M
19 44	0 35E	27 31	1	7.12	B ₉ ^m	2-2-2 47 Hd S.P. Temp. up of cloud
19 43	0 37E	43 48	1	7.20	A ₀ ^m	2-2-2 23 Hd

7-sec delay to start - in table from should be shortened

		MC	SC	SW	MT	ST _m
Dec. 2	13	-	-X 22.7	-24.3	+22.0	-0.3
	3	+00.7	-X 22.8	-30	+17.8	-0.3 ^m
	4	+00.3	-24.6	+25.4	+23.8 ^s	+0.7 ^m

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Date

Thursday, December 2/41 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
4298	H.D. 204211	21 22	62 34	I 12 1/2	L-103-0	50 013	8.2	17 36	18 05	—
4298 F	Focus Test				Outside	through	base			2
4299	H.D. 201344	21 03.9	59 01	"	"	"	8.1	18 00	18 45	1
4300	" 21049	21 03.3	47 47	"	"	"	8.1	19 25	20 10	2
4301	" 21043	21 03.5	47 31	"	"	"	8.0	19 40	20 45	3
4302	" 21045	21 03.9	47 26	"	"	"	8.2	20 31	21 15	4
4302 F	Focus Test				Outside	through	base			

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS												
1" W	62 44	1-2	7.20	A ₀	2-2-2	K.S.A. 18 H												
					3 $\frac{1}{2}$ 2													
2" W	59 11	1	7.30	A ₀	2-2-2	" 18 H Clouds 12 ³⁸ - 10 ⁰⁰												
3 4+ W	47 57	1	7.50	A ₀	2-2-2	" 40 H												
3 0+ E	47 37	1	6.75	B ₀	2-2-2	" 23 M												
1 47 W	47 46	1	6.37	F ₃	2-2-2	" 03 Y Cloud 21 ¹⁰												
2 feet out!					3 $\frac{1}{2}$ 2	It remained mostly cloudy breaking clear a couple of times before midnight												
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Dec. 5 13</td> <td>+01.0</td> <td>-27.2</td> <td>+24.9</td> <td>+28.0</td> <td>+0.7</td> </tr> </table>		MC	SC	SW	MT	ST	Dec. 5 13	+01.0	-27.2	+24.9	+28.0	+0.7
	MC	SC	SW	MT	ST													
Dec. 5 13	+01.0	-27.2	+24.9	+28.0	+0.7													

Thermostat set 20.5

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						cloudy all day with snow. Shinning several times after dark, but clouds + snow persisted till about 20 ¹⁵ . Wind had blown dome so hard against chain that tooth was approx. loosening it. No current to dome, had to clean contacts. ^{No holders loaded.} + new plate in dome.
21	1 49 W	+63 25	0-1	7.5	B2	2-2-2 KSA 8 M
23	0 3 W	+27 30	0	7.5?	B9	2-2-2 47 1nd. Lens very faint in slit, but correct.
25	0 5 W	+27 30	0	5.93	A0	2-2- 47 1st. Brighter in f, right hand eye. slit, i.e., following in f.
						Plate box in dome

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Date

July Dec 7-8

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
7306	HD 206212	21 35.5	45 43	1-12 $\frac{1}{2}$	E1030		-3.0°	18 26	18 46	360
7307	HD 221142	23 24.4	85 52	"			-2.8	18 55	19 15.2	370
7308	221829	23 30.4	85 28	"			-2.9	17 20	17 40	370
								*		
7309	21769	03 25.5	38 26	"			-2.9	22 34	22 34	6E

Temp + 17.5

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
7:40	56W	45 55	1	7.56	B ₉	2-2-2 KSA 41 H <i>2 on the leading star because ink was in tube!</i>
7:50	0 39W	56 06	1	6.89	F ₂	2-2-2 1 H
8:00	0 57W	55 31	2	1.32	A ₅	2-2-2 1 H haze
						very heavy haze - closed up telescope
8:20	0 06E	56 32	1	1.23	A ₂	2-2-2 KSA 9 H still in full haze Only those faintest stars visible in haze. so closed up.

	h	MC	SC	SW	MT	ST
Dec. 8	13	+02.6	-30.8	+27.4	-15.2	+0.1 ^m (Adv. 1 ^m)
9	15.5	+01.2	-24.5	+37.0	-09.0	+0.3 ^m

Printer set at 17.98

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
18 ⁴¹	2 28 W	58 04	00	7.02	A ₀	2-2-2	K.S.A. 18Y seeing rank!
19 ³⁵	3 30 W	59 40	00	7.52	A ₀	2-2-	" 18Y " " ^{5.1 to number 7211} sky clouding
20 ⁴⁸	0 56 E	28 31	0	6.87	B ₉	2-2-	over at 19 ³⁵ . Wanted, clearing later " 47M Clouds, sky check at 21 ⁴² Clearing and clouding most of the night, light snow

69

Date Thursday Dec. 11-1941 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
7313	H.D. 22402	03 31.2	42 15	I-12 $\frac{1}{2}$	E-103-0	Set .010	-5.1	20 45	21 11	2
7314	" 22766	03 34.5	28 27	"	"	"	-5.1	21 21	22 03	3
7315	" 22860	03 35.2	28 23	"	"	"	-5.1	21 13	22 43	4
7316	" 22354	04 23.2	29 10	"	"	"	-5.1	22 53	23 25	1
7317	" 28409	04 24.2	32 14	"	"	"	-5.1	23 30	00 00	2
7318	" 34250	05 10.1	28 09	"	"	"	-5.1	00 04	01 04	3
7319	" 42477	06 05.9	13 00	"	"	"	-5.1	01 07	01 47	4
7320	" 44417	06 17.0	12 37	"	"	"	-5.1	01 10	02 02	1
7321	" 56386	07 11.7	31 09	"	"	"	-5.1	02 06	02 30	2
7322	" 81295	07 11.5	32 14	"	"	"	-5.3	02 32	03 10	3
7323	" 71151	08 20.7	27 16	"	"	"	-5.1	03 17	04 07	4
7324	" 80980	08 18.5	32 41	"	"	"	-5.4	04 10	04 52	1

Pointer set at 15.99

Ending Time E.S.T.	Hour Angle - End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
						Clouds at sunset. Clearing later started to open up, sky clouded over and started to snow. Clearing again at 20 ⁰⁰ . wanted, light clouds, snow.
1 ¹³	E	42 22	0	6.25 B ₉ ⁸	2-2-2	K.S.A. 23 M Seeing poor!
0 ²⁴	E	23 34	0	6.86 A ₀	2-2-2	" 47 Hd
0 ¹⁵	W	23 31	0	6.87 B ₉	2-2-2	" 47 M Seeing improving
0 ⁰³	W	27 17	0	6.61 A ₀	2-2-2	" 48 M
0 ³⁸	W	32 21	0	6.17 B ₉	2-2-2	48 M Seeing poor again
0 ⁵⁵	W	23 50	0	7.17 F ₀	2-2-2	49 Hd excellent meteor ^{7:15} ^{7:19}
0 ²⁴	W	13 56	0	5.72 A ₂	2-2-2	74 M → min 92 7320
0 ⁴⁸	W	12 34	0	5.25 F ₀	2-2-2	74 Hd Seeing terrible 7320*
0 ¹¹	W	31 05	0	5.96 B ₉	2-2-2	51 Y " "
0 ¹¹	W	32 08	0	6.42 F ₀	2-2-2	51 Hd light haze
0 ⁵⁰	W	27 03	0	6.36 A ₂	2-2-2	52 H considerable haze
0 ⁴¹	W	32 32	0	6.52 A ₀	2-2-2	53 M

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

15:30 JQ²⁰ W 27 41

○

6.44 B9

2-2-2

KSA 54 H more light haze

Haze much thicker - large ring

around moon. almost gone

		MC	SC	φ	MT	ST
Dec 15	13	-04.5	-39.4		+22.5	-0.8
	16	+06.4	-41.0		+31.8	-0.7
	17	+06.1	-42.8		+36.8	-0.7

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Date Thursday Dec 18 1941 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
7326	H.D. 201839	21 09.2	27 09	I-12 $\frac{1}{2}$	E-103-0	56 .010		18 48	19 28	5
7327	" 31590	04 52.0	73 55	" "	"	"	+3.5	23 41	23 51	4
7328	" 33341	05 55	46 59	"	"	"	+3.5	00 28	00 47	1
7329	" 34107	05 57.5	25 25	"	"	"	+3.5	00 28	00 47	2
7330	" 50324	06 00.5	15 47	"	"	"	+3.5	01 15	01 51	3
7331	" 58917	17 22.6	17 13	"	"	"	+3.5	01 56	01 30	4
7332	" 59033	07 23.1	61 58	"	"	"	+3.5	02 33	03 27	5
7333	" 73192	06 27.5	08 28	"	"	"	-1.4	03 15	03 27	6

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS	
3 51 W	27 18	1	7.56	A0	2-2-2	K.S.A.65	Y Clouds early evening
5 29 W	73 53	1	6.06	A2	2-2-2	" 3	H
7 11 W	13 02	1	7.22	F0	2-2-2	" 2	H
8 34 W	18 29	1	6.55	G0	2-2-2	" 1	H
10 33 W	45 53	1	7.40	K0	2-2-2	" 20	Y
12 37 W	62 30	1-0	6.77	A3	2-2-2	" 11	H single star!
	61 50	1 0	7.53	G5	2-2-	" 11	H
1 04 W	47 19	1	7.02	A0	2-2-2	" 28	M
			27.5	27.5	1,		Dec. quick and Dec clamp failed to function
			4.7	6.5			Telescope still up at 8:47°
			12.15	1.9			Dec. 18 13 ^h MC SC HT ST +07.8 -48.8 +45.0 +0.5
							December 19 - found clamp on front of telescope down. apparently OK. Test OK.
							Dec. 20 09 +10.8 -46.2 WBEN ^h ^m +03.0 -0.2 Adv. 1 m west

75

Date Saturday, December 20 21 (21-22) 1941 Julian Day 17

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
7334	HD 201114	21 02.5	+47 39	I-12	E-103-D	set 010	-3.8	17 27	18 27	2
7335	202213	21 09.7	+30 53	"	"	"	-3.8	18 31	19 31	4
7336	225093	23 58.3	+72 36	"	"	"	-3.9	19 35	20 32	1
7337	17412	02 42.5	+46 50	"	"	"	-3.8	20 38	21 22	2
7338	17689	02 45.2	+44 28	"	"	"	-3.7	21 34	22 10	1
7339	{ 217434	03 25.3	+27 14	"	"	"	-3.9	22 14	23 00	1
217437								22 30	23 00	4
7340	217434	03 25.3	+27 14	"	"	"	-3.9	22 43	23 11	1
7341	34021	05 09.2	+12 25	"	"	"	-4.0	23 16	24 10	2

Thermostat 17.0

Some temp +16 at start

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
3 ⁰²	W	+47 49	0	7.50	A0	2-2-2 KSA40 Y
3 ⁵⁸	W	+30 43	0	7.56	A0	2-2-2 65 Y
2 ¹¹	W	+72 52	0-1	7.58	A2	2-2-2 2 H Boring
0 ¹⁷	W	+47 00	0-1	7.72	K0	2-2-2 22
1 ⁴¹	W	+41 08	1	7.72	K0	2-2-2 22
0 ⁴²	W	+27 21	1	5.93 [*]	A0	2-2-2 47 M Brighter looking, right hand is a bit BT 10. Pm of one has a bit of the comp as it, due to a subtle tail.
						3-3
2 ²⁵		+27 29	1	7.7	?	2-2-2 2-2-2
3 ¹¹	W	+12 25	1	7.5	A0	2-2-2 73 M See part 90°

Dec. 22 18^h MC -15

NTW	STW
-08 ^h	-0.2 ^m
Reset	

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Date Monday Dec 22-23, 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
7342	HD 201345	21 03.9	+33 00	I-12	E-103-0	set 010	-1.5	18 45	19 53	3 35 W
7343	8847	01 22.1	+31 28	"	"	"	-1.5	20 26	21 18	4 33 W
<p>Thus Dec 25-26 - C - cleared up but did page came up for with cloud up and included Xmas calibration</p>										
<p>December 29/4</p>										
7343F	from test			I-12	E-103-0		-5.0			1 24.13 25 6.01

cloudy early evening.

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19 53	4 35 W	+33 08	0	7.52	B0	2-2-2 K5A 65 M Flaps toward and star out first time slight clouds over much of obj.
21 4	1 33 N	+31 39	0-1	7.86	K0	2-2-2 45 Clouded over obj.
						Dec 25 AP - Sid watch +0. ^m 2
						Dec. 29 $\frac{h}{13}$ HC SC MT ST +17.1 -61.1 -04.8 +0.3
slide	setting	} outside through lens		Correct focus about 26.21		
26.13	0					
26.25	4					
26.01	10					

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Date Monday December 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
7344	HD 201908	21 07.5	+77 43	I-12	E103-0	sat D10	-5.2	17 29	17 41	2 2 ⁴⁸ ✓
7345	202505	21 11.2	+78 15	"	"	"	-5.2	17 44	18 02	3 3 ³ ✓
7346	221142	22 24.4	+55 32	"	"	"	-5.1	18 36	18 48	4 1 ⁵⁰ ✓
7347	221829	23 20.4	+55 38	"	"	"	-5.1	19 13	19 49	1 7 ³ ✓
7348	11696	01 49.7	+38 00	"	"	"		19 59	2 01	2 11 ✓
7349	18337	02 51.7	+59 11	"	"	"	-5.2	21 09	22 09	1 2 ✓
7350	31590	04 52.0	+73 55	"	"	"	-5.2	22 18	22 57	1 5 ✓
7351	24129	25 07.9	+55 35	"	"	"	-5.2	22 32	22 57	27 ✓
7352	24255	05 11.0	+12 32	"	"	"	-5.2	22 52	23 19	11 ✓
7353	25215	05 22.3	+62 55	"	"	"	-5.2	23 17	23 44	15 ✓
7354	37121	05 31.2	+61 53	"	"	"	-5.2	23 42	00 05	1 ✓
7355	38258	05 39.4	+47 26	"	"	"	-5.5	00 29	00 39	1 ✓
7356	25551	06 48.7	+54 41	"	"	"	-5.2	00 43	01 03	1 ⁵⁰ ✓
7357	50658	06 49.1	+46 25	"	"	"	-5.2	01 06	01 16	5 ✓
7358	50763	06 49.5	+46 49	"	"	"	-5.3	01 20	01 34	4 ✓
7359	56917	07 22.6	+62 43	"	"	"	-5.2	01 41	02 01	1 ⁵⁰ ✓

Temp set 15.4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
2	48 W	+77 54	0-1	5.88	B9	3-3	KSA 7 H <u>Telescope E of Pier. 1/2 Wt. off</u>
3	3 W	+78 27	1	7.42	A2	2-2-2	7 H
1	57 W	+86 07	1-0	6.89	F0	2-2-2	1 H
2	31 W	+85 54	1	7.32	A5	2-2-2	1 H
1	28 W	+88 14	1-2	7.92	A3	2-2-2	1 H
1	28 W	+87 28	1-2	7.55	B0	2-2-2	9 H
0	42 W	+74 10	1-0	2.36	B2	2-2-2	3 H <u>Bring up instead of time</u>
0	22 W	+35 37	1	6.55	A0	2-2-2	1 H
0	18 W	+62 17	1-2	6.75	B2	2-2-2	10 H
0	35 W	+62 58	2	7.41	B0	2-2-2	10 H
1	52 W	+41 57	2-3	6.71	A5	2-2-2	10 H
1	16 W	+25 11	2	7.33	B7	2-2-2	25 H
0	26 W	+17 38	2	7.20	K2	2-2-2	11 H
0	40 W	+46 21	2	5.95	B8	3-3	26 M
0	57 W	+46 47	2	7.03	K0	3-3	26 Y
0	50 W	+61 38	2-3	6.77	A0	2-2-2	11 H

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Date.....

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
7360	H.D. 59033	07 23.1	61 58	I-12 $\frac{1}{2}$	E-103-0	set .010	-5.2	02 05	02 29	2	1 8 W
7361	" 63887	07 46.1	71 57	"	"	"	-5.1	02 27	03 09	3	1 34 W
7362	" 203836	21 19.6	86 37	"	"	"	-5.2	03 19	03 50	4	1 01 W
7363	" 92278	10 34.2	47 22	"	"	"	-5.2	04 12	04 30	1	1 17 W
	" 81995	09 24.1	45 12	"	"	"	-5.2	04 45	05 13	2	1 21 W
7364	" 84004	09 37.0	32 44	"	"	"	-5.1	05 18	05 46	3	1 15 W
7365	" 113021	12 50.7	32 18	"	"	"	-5.2	05 52	06 16	4	1 05 E
7366	" 108714	12 24.5	17 53	"	"	"	-5.1	06 20	06 50	4	1 04 E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS																														
00 50	1 18 W	+61 55	2.3	7.53 G5	2-2-2	KSA. 11 H																														
03	1 34 W	+71 52	2.3	7.52 A0	2-2-2	4 H																														
07	1 01 W	+85 47	2	7.44 A3	2-2-2	1 H																														
Changed telescope back to Wolfier																																				
08	1 17 W	-47 08	3	7.36 A2	2-2-2	30 M																														
05 13	2 02 W	+45 00	3	7.26 A5	2-2-2	29 <i>pl. plate accidentally spoiled, discarded</i>																														
11 4	2 22 W	-32 29	3	7.52 F2	2-2-2	53 H2																														
01 16	2 25 E	+32 07	3	7.50 G5	2-2-2	57 H																														
02	0 45 W	-17 39	3	7.52 A0	2-2-2	80 M																														
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th></th> <th>MC</th> <th>SC</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Dec. 30</td> <td>13</td> <td>+17.8</td> <td>-62.6</td> <td>+05.8</td> <td>+0.5</td> </tr> <tr> <td></td> <td>31</td> <td>+20.0</td> <td>-63.0</td> <td>+12.5</td> <td>+0.5</td> </tr> <tr> <td>Jan. 2</td> <td>13</td> <td>+20.3</td> <td>-66.6</td> <td>-01.0</td> <td>+0.0</td> </tr> <tr> <td></td> <td>5</td> <td>+25.5</td> <td>-68.3</td> <td>^{Best m} -00.5</td> <td>-0.0</td> </tr> </tbody> </table>									MC	SC	MT	ST	Dec. 30	13	+17.8	-62.6	+05.8	+0.5		31	+20.0	-63.0	+12.5	+0.5	Jan. 2	13	+20.3	-66.6	-01.0	+0.0		5	+25.5	-68.3	^{Best m} -00.5	-0.0
		MC	SC	MT	ST																															
Dec. 30	13	+17.8	-62.6	+05.8	+0.5																															
	31	+20.0	-63.0	+12.5	+0.5																															
Jan. 2	13	+20.3	-66.6	-01.0	+0.0																															
	5	+25.5	-68.3	^{Best m} -00.5	-0.0																															

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Date Monday January 5-6/42 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
7367	HD 34021	05 09.2	12 25	T-12 $\frac{1}{2}$	E-103-0	set .010	-10.1	22 00	22 50	2
7368	" 54901	07 05.6	15 30	"	"	"	^{reset} -10.7	00 00	00 50	3
7369	" 59150	07 23.6	14 34	"	"	"	-10.9	00 54	01 34	4
7370	" 59152	07 23.6	12 58	"	"	"	-11.1	01 30	02 07	1
7371	" 77936	09 02.6	16 15	"	"	"	-11.1	02 11	02 55	2
7372	" 80564	09 12.5	11 55	"	"	"	-11.2	02 59	03 39	3
7373	" 98547	11 15.2	17 52	"	"	"	-11.2	03 54	03 52	4
7374	" 99004	11 18.5	17 42	"	"	"	-11.2	03 00	04 25	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
22 ⁵⁰	21 W	12 26	0	7.5	A ₀	2-2-	K.S.A. 73 M Sky blanketing over as sudden snow squall struck, at 22 ⁵⁰
0 ⁰⁰	0 25 W	15 27	0	7.54	F ₀	2-2-2	K.S.A. 75 Hd
0 ⁰⁴	0 51 W	14 27	0-1	7.12	A ₃	2-2-2	" 75 Y
0 ⁰⁹	1 25 W	12 51	0-1	6.73	A ₅	2-2-2	" 75 H
0 ¹⁴	0 35 W	16 07	0-1	7.25	B ₂	2-2-2	" 77 M
0 ¹⁹	0 48 W	11 44	0-1	6.29	A ₀	2-2-2	" 77 M
0 ²³	0 42 E	17. 39	0-1	6.87	A ₀	2-2-2	" 79 M
0 ²⁴	0 09 E	17 28	0-1	7.09	A ₂	2-2-2	" 79 M

Tuesday Jan 6-7.

Gales & snow in first part of night

high wind all night - below zero.

		MC	SC	MT	ST
Jan 6	13.5 W 2.2 N	+23.2	-1 16.9	+04.0	+0.7
7	13	+25.5	-1 13.4	+09.0	+0.0

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Date Wednesday January 7 1948, 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
7375	11D 16810	02 36.7	32 29	I-12 $\frac{1}{2}$	E-1030	set 010	-14.4	20 10	21 40	2
7376	" 35344	05 20.4	43 17	"	"	"	-14.4	21 51	22 19	3
7377	" 35761	05 21.9	42 12	"	"	"	-14.3	22 24	23 02	4
7378	" 36404	03 26.4	42 02	"	"	"	-14.2	23 07	23 47	1
7379	" 39813	0 ⁵ 7 53.2	45 53	"	"	"	-14.2	23 31	23 55	2
7380	" 42537	06 11.7	28 02	"	"	"	-14.3	00 12	00 42	5
7381	" 51069	17 14.6	49 15	"	"	"	-14.0	00 48	01 18	4
7382	" 70526	05 17.6	32 38	"	"	"	-14.0	01 25	01 47	1
7383	" 51995	09 24.1	45 12	"	"	"	-14.0	02 12	02 29	2
7384	" 82191	07 25.4	27 50	"	"	"	-14.1	02 33	02 51	3
7385	" 87281	10 18.6	27 55	"	"	"	-14.0	02 57	03 17	4
7386	" 90130	10 26.2	32 59	"	"	"	-14.0	03 30	03 49	1
7387	" 92371	10 34.8	28 02	"	"	"	-14.0	03 47	04 13	2
7388	100518	11 27.0	11 45	"	"	"	-14.0	04 18	04 42	3
	Sum total		Temp: 25 30			Film: 24 3				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
						Clouds and snow in early evening.
21 40	1 52 W	32 39	0	7.88 F ₀	2-2-2	
22 15	0 13 E	43 20	0-1	6.75 A ₀	2-2-2	K.S.A. 25 H
23 12	0 28 W	42 13	0-1	7.54 G ₅	2-2-2	" 25 Y
27 11	0 48 W	42 02	0-1	6.25 B ₈	2-2-2	" 25 M
23 55	0 53 W	45 65	0-1	7.34 G ₅	2-2-2	" 25 Y
0 42	1 1 W	29 02	1	7.42 A ₀	2-2-2	" 50 Ha
0 1	0 52 W	29 48	0-1	7.17 A ₂	2-2-2	" 51 Y
0 1	0 3 W	32 27	0-1	7.56 A ₃	2-2-2	" 52 M
2 1	0 47 E	45 20	2	7.26 A ₅	2-2-2	" 29 M
0 51	0 14 W	27 35	1-2	6.59 A ₀	2-2-2	" 53 M
	0 28 E	27 41	1-0	6.40 B ₉	2-2-2	54 H
		32 36	2	5.11 B ₉	3-3	58 H
0 4	0 28 W	27 49	1	6.99 A ₂	2-2-2	58 Y
4 42	0 22 W	11 10	0-1	5.52 A ₂	2-2-2	79 M
			{ apex 2			Fogged in spotting room.
			{ base 3 3			
						Some time at camp -6° F

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Date Thursday Jan 8-9/42 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
7389	H.D. 9860	01 31.2	46 27	I-1R $\frac{1}{2}$	E-103-0	set .010	-15.2	18 10	19 00	4 - 20 W
7390	" 15705	02 26.4	28 08	"	"	"	-15.2	19 08	20 15	1 43 W
7391	" 21229	03 20.4	31 29	"	"	"	-15.2	20 35	21 35	2 19 W
7392	" 35802	05 22.2	17 10	"	"	"	-15.3	21 42	22 02	3 12 E
7393	" 35956	05 23.2	12 29	"	"	"	-15.3	22 06	22 56	4 16 W
7394	" 36104	05 24.2	12 12	"	"	"	-15.5	22 39	23 05	1 33 W
7395	" 42180	06 04.2	14 52	"	"	"	-15.5	23 09	23 43	1 31 W
7396	" 45757	06 24.2	17 59	"	"	"	-15.3	23 48	00 22	1 51 W
7397*	46148	06 26.5	15 47	"	"	"	-15.3	00 27	01 15	2 11 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
19 ⁵⁵	0 20 W	46 40	2-3	7.7	A ₀	2-2-2	- Focused in spotting room Jan 7-8.
21 ⁰⁰	0 43 W	28 19	2-3	8.0	A ₀	2-2-2	Strong wind image unsteady
21 ⁵⁵	1 00 W	31 38	2-3	7.92	A ₃	2-2-2	
22 ⁰⁰	0 28 E	17 10	2-1	7.22	K ₅	2-2-2	^{RS} KSA.73 H
22 ⁰⁵	0 05 W	12 31	2-1	7.31	F ₈	2-2-2	" 73 Y
22 ¹⁰	0 33 W	12 13	2-1	6.95	B ₈	2-2-2	" 73 M
22 ⁴⁷	0 31 W	14 52	2-1	7.27	B ₉	2-2-2	^{RS} " 74 HQ
22 ⁵²	0 51 W	17 55	2-1	7.33	A ₀	2-2-2	^{OK} " 74 M
0 1 ¹⁵	1 40 W	15 45	1	7.55	F ₅	2-2-2	" 74 Y image unsteady

Strong wind and thickening haze. * Last plate is wrapped in a used plate box

		MC	SC	MT	ST
Jan. 9	13	+27.6	-1 ^m 15.7	+22.8	+0.4 ^m

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Date *Friday, January 9-10, 1942* *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.	Bur Angle End
7398	HD 35544	5 20.4	+43 17	I-12	E-103-0	²¹⁰ 210	-10.5	21 07	21 35	1
7399	35761	5 21.9	+42 12	"	"	"	-10.4	21 42	22 20	2
7400	38258	5 39.4	+47 26	"	"	"	-10.4	22 23	22 59	
7401	" 67959	08 06.3	14 56	"	"	"	-10.2	00 18	00 52	
7402	" 68332	09 02.8	14 19	"	"	"	-10.2	00 57	01 47	
7403	" 80652	09 15.9	17 02	"	"	"	-10.4	01 51	03 01	
7404	" 97244	11 06.5	14 56	"	"	"	-10.5	02 06	03 50	
		1942 Jan 10-11	Y-I	Opened 20 ⁰⁰ but found thickening overcast alt-						
		Jan 11-12	-C-	Clearing and hazing over 2 in ten minutes.						

cloudy all day. Starting to clear about 19⁴⁵, but haze
light snow at first. p. 90

Cleaned snow off telescopes. Too windy to work in North

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS															
						Set focus to 26.25 (was 26.21)															
21 ³⁵	1 11 W	+43 19	0	6.75 A0	2-2-2	KSA 25 H Slide very stiff on holder 1															
20	0 16 E	+42 14	0-1	7.54 G-5	2-2-2	25 Y (Position at 1 m in RA)															
20	0 15 ✓	+47 26	1-2	7.33 B3	2-2-2	25 Hd															
						Wind moving again, and snow starting to blow in. Clouds + had done															
0 ²²	0 16 E	+14 47	0	6.14 A0	2-2-2	" 76 M Seeing poor high wind.															
0 ¹⁷	0 37 W	+14 09	0	6.54 A5	2-2-2	" 76 Ha															
0 ¹⁴	0 42 W	+16 30	0	6.93 A5	2-2-2	" 77 M															
12 ¹⁰	0 19 E	+14 42	0	6.93 A5	2-2-2	" 79 M															
						Closing because of strong wind, not seeing and cold weather. Amen.															
						instead of star.															
						<table border="0"> <tr> <td></td> <td>Mⁿ</td> <td>SN</td> <td>Mⁿ</td> <td>ST_m</td> </tr> <tr> <td>Jan. 12</td> <td>+30.0</td> <td>-1 29.3</td> <td>+42.7</td> <td>+0.7</td> </tr> <tr> <td>13</td> <td>+41.8</td> <td>-1 19.8</td> <td>+56.8</td> <td>+0.7</td> </tr> </table>		M ⁿ	SN	M ⁿ	ST _m	Jan. 12	+30.0	-1 29.3	+42.7	+0.7	13	+41.8	-1 19.8	+56.8	+0.7
	M ⁿ	SN	M ⁿ	ST _m																	
Jan. 12	+30.0	-1 29.3	+42.7	+0.7																	
13	+41.8	-1 19.8	+56.8	+0.7																	

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Date Tuesday Jan 13-14 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
7405	HD 35544	05 20.4	43 17	I ^S	E103-0	010	-6.5	21 20	21 40	20° E
7406	HD 36404	05 26.4	42 02	"	"	"	-6.4	21 51	22 10	20° E
7407	HD 35126	05 21.2	61 53	"	"	"	-6.3	22 21	22 49	29° W
7408	HD 40143	05 52.0	45 37	"	"	"	-6.2	22 55	23 19	30° W
7409	HD 44071	06 14.7	29 25	"	"	"	-6.4	23 25	23 55	52° W
7410	HD 58244	07 19.7	32 06	"	"	"	-6.1	00 00	00 42	1° W
7411	61 295	07 33.5	32 14	"	"	"	-6.2	00 48	01 16	55° W
7412	71151	08 20.7	27 16	"	"	"	-6.2	00 20	00 33	30° W
<p><u>Thursday Jan 15-16</u> <u>L-C</u> <u>foggy and windy</u></p>										

Clearing of clouding in early evening

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
21 40	29 ^m E	43 19	2	675 A0 ^m	2-2-2	H slit may have been wide - reset.
22 10	6 ^m E	42 02	2-3-1	628 B8	2-2-2	M
22 49	29 ^m W	61 55	1-2	679 A5	2-2-2	H reset slit again - probably always off.
23 19	39 W	45 36	2	660 A0 ^m	2-2-2	H
23 55	52 ^m W	29 22	2	719 F0	2-2-2	Y 719
00 42	36 W	32 00	2-1	681 A0.	2-2-2	Hd moderate wind stops image
01 12	55 W	32 08	1	6.42 F0	2-2-2	Hd image very unsteady - seeing rapidly variable
00 30	30 W	27 08	1	6.36 A0 ^m	2-4-	H faint, peaking faded over sudden, 1

	^h	MC	SC	MT ^s	ST ^m
Jan. 15	13	+33.8	-123.2	+48.8	+0.9
16	13	+34.6	-124.3	-08.7	-0.2
				Adv. 1 ^m	

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Date Jan 16-17 Friday Y. Pm. 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
7413	HD 9861	01 31.2	+45° 57	T-12	E 103.0	010	-7.7 C	18 34	20 ⁰²	4
7414	21,769	03 25.5	+58 26	-	-	-	-7.9	20 ⁰⁹	20 ³⁷	1
7415	34,255	05 11.0	+62 33	-	-	-	-7.9	20 ⁴³	21 ¹³	2
7416	35,815	05 22.3	+62 55	-	-	-	-7.7	21 ¹⁷	22 ⁴⁴	3
7417	37,136	05 31.2	+61 53	-	-	-	-7.8	22 ⁰²	22 ⁵⁰	4
7418	58,917	07 22.6	+62 43	-	-	-	-7.9	22 ⁴²	23 ⁰⁶	1
7419	60,293	07 28.7	+60 44	-	-	-	-7.8	23 ¹⁰	23 ⁵²	2
7420	60,406	07 29.2	+61 46	-	-	-	-7.8	23 ³⁷	00 ¹⁷	3
7421	63,887	07 46.1	71 57	"	"	"	-7.8	00 24	01 04	4
7422	75486	08 45.2	62 20	"	"	"	-7.8	01 10	01 50	1
7423	75487	08 45.2	59 26	"	"	"	-7.8	01 23	01 37	2
7424	80390	09 14.4	57 08	"	"	"	-7.8	01 42	02 02	3
7425	81702	09 22.2	56 41	"	"	"	-7.8	02 06	02 34	4
7426	93859	10 45.0	57 07	"	"	"	-7.8	02 38	02 ⁴²	5
7427	100054	11 25.7	60 15	"	"	"	-7.8	02 57	04 11	6
7428	106053	12 07.1	78 00	"	"	"	-7.8	04 17	04 37	7

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS	
20 ⁰⁰	+1 ⁵⁶	+46° 11	0-1	8.0	FS	2-2-2	} Plates not numbered - observed through back!	
20 ⁰⁷	+0 ³⁴	+58° 34	1	6.33	A2	2-2-2		KSA 9 (Hd)
20 ¹⁴	-0 ³⁶	+62 35	1-2	6.95	K2	2-2-2		10 H Plate slightly fogged
20 ²¹	0 ⁰⁰	+62 55	1-2	7.46	A0	2-2-2	10 H	
20 ²⁸	+0 ²⁷	+61 53	1-2	6.79	A5	2-2-2	10 H	
20 ³⁵	-0 ⁵⁷	+62 38	2	6.77	A0	2-2-2	11 H Plate fogged	
20 ⁴²	-0 ³²	+60 39	1-2	6.86	A0	2-2-2	11 Hd Plate fogged	
20 ⁴⁹	0 ¹⁰ W	+61 40	1-2	7.59	FS	2-2-2	11 H	
20 ⁵⁶	0 ⁴⁰ W	71 51	1-2	7.52	A0	2-2-2	" 4 H	
21 ⁰³	0 ⁰⁰ E	62 11	1-2	6.00	F0	3-3	" 12 Hd	
21 ¹⁰	0 ¹⁵ W	59 15	1-2	6.36	F0	3-3	" 12 Hd	
21 ¹⁷	0 ¹¹ W	58 56	1-2	7.33	MB	3-3	" 12 H	
21 ²⁴	0 ³⁵ W	56 29	1-2	7.28	F2	2-2-2	" 12 H	
21 ³¹	0 ²⁰ E	56 54	2	6.54	G5	3-3	" 13 H	
21 ³⁸	0 ¹⁰ W		1-2	8.0?	P	2-2-2	" 13 H Following Component	
21 ⁴⁵	0 ⁰⁵ E	77 46	1-2	6.64	A0	2-2-2	" 5 H	

temp set 19.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	cap	REMARKS					
							MC	SC	MT	ST	
						Jan. 19	14 ^h	+39.0	-1.27	+03.2	-0.0
02 ⁵⁴	1 36 ^m W	32 16	U	6.98 A ₂	2-2-2	KSA 52	W BEN M	1/4 of time given in tables Reset			
03 ²⁰	1 36 ^m W	11 50	0-1	6.74 F ₀	2-2-2	77	Hd	1/4	"	"	"
03 ⁴⁴	0 47 ^m W	47 10	D	7.36 A ₂	2-2-2	30	M	1/4	"	"	"
						Thick haze and high clouds					
							MC	SC	MT	ST	
						Jan 20	13	+38.8	-1.28.7	+05.8	+0.0
						21	13	+39.7	-1.31.8	+11.0	+0.1
						22	13	+40.5	-1.32.3	+15.5	+0.2
						23	13	+41.5	-1.33.3	+16.2	+0.2

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Date Friday January 23-24 1942 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
7432	HD 9861	01 31.2	+45 57	I 12	F-1230	S+ 010	+3.0	17 18 53	19 17	3
7433	106730	01 39.1	+43 13	"	"	"	+3.0	18 21	19 53	4
7434	106730	01 39.1	+43 13	"	"	"	+3.0	19 53	22 28	35
7435	16737	22 25.9	+43 27	"	"	"	+3.1	20 26	22 27	2
7436	22628	22 27.4	+44 28	"	"	"	+3.1	21 51	24 22	3
7437	22441	22 21.5	+44 22	"	"	"	+3.1	21 24	24 52	3
7438	22670	22 42.1	+44 30	"	"	"	+3.1	21 57	24 27	3
7439	35761	25 21.3	+43 12	"	"	"	+3.1	22 31	24 54	3
7440	25258	25 27.9	+43 20	"	"	"	+3.0	23 25	25 14	3
7441	28358	25 46.1	+42 30	"	"	"	+3.1	23 17	25 25	3
7442	29813	15 58.2	+45 53	"	"	"	+3.0	23 51	25 42	3
7443	50384	16 47.9	+45 57	"	"	"	+3.0	25 40	27 23	3
7444	45792	18 21.0	+42 28	"	"	"	+3.0	25 11	27 28	3
7445	44541	16 37.4	+42 22	"	"	"	+3.0	25 35	27 41	3
7446	27286	21 32.6	+37 22	"	"	"	+3.1	25 43	27 57	3
7447	609	07 53.8	+01 20	"	"	"	+3.0	26 15	28 21	3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	
	35 W	+46 12	3	8.0	F5	2-2-2	
	45 W	+43 25	3	(8.5) 8.0	F0	2-2-2	br. S.T. component
	35 W	+43 25	3	8.5+	?	2-2-2	lt. mp.
	45 W	+46 48	3	7.7	F0	2-2-2	
	42 W	+44 35	3	8.0	F0	2-2-2	<i>Place mark in a column, but would precede and slightly north of wide pair 22428 following + slight south</i>
		+44 38	3	8.0	F0	2-2-2	
	35 W	+46 38	3	8.0	A1	2-2-2	
	25 W	+43 12	2-2	7.5	F5	2-2-2	long
		+47 26	3-2	7.8	F5	2-2-2	long
		+42 31	3	7.4	K0	2-2-2	
	45 W	+45 52	3	7.4	F5	3-3	
		+45 53	3	7.4	K0	3-3	
		+32 35	3	7.4	K0	3-3	long
		+32 19	3	7.2	A2	3-3	
	W	+27 52	3	7.2	A2	2-3-3	
	45 W	+41 35	3	7.3	F5	3-3	

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

Comp

REMARKS

Thin plate carefully guided,
recording, loading and spotting
of plates done between exposures

following component

	MC	SC	#	MT	ST
Jan. 26	13	+44.5	-1	37.9	-29.5 +0.1
					Rest (stopped)

Jan. 27	13	+45	-1	39.0	-23 +0.4

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Date *Wednesday January 28-29/42* 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
7458	H.D. 17911	02 47.5	59 24	I -12 $\frac{1}{2}$	E-103-0	Set .010	-2.9	18 24	19 24	
7459	" 19844	03 06.4	61 21	"	"	"	-3.0	19 28	20 18	3
7460	" 36425	05 26.5	31 48	"	"	"	-3.0	20 24	20 50	4
7461	" 36359	05 29.6	29 36	"	"	"	-3.0	20 54	21 12	5
7462	" 37366	05 33.0	30 50	"	"	"	-3.0	21 16	21 44	6
7463	" 37519	05 34.1	31 15	"	"	"	-3.0	21 47	21 55	7
7464	" 37574	05 34.4	32 21	"	"	"	-3.0	21 58	22 20	8
7465	" 37647	05 35.0	29 27	"	"	"	-3.0	22 24	22 52	9
7466	" 93075	10 39.5	37 26	"	"	"	-3.0	23 01	23 52	10
7467	" 59501	07 05.6	15 30	"	"	"	-3.0	23 31	23 57	11
7468	" 65703	11 13.5	17 58	"	"	"	-3.0	00 11	00 15	12
7469	71537	03 22.9	33 02	"	"	"	-3.0	00 18	00 34	13
7470	74057	08 26.6	32 13	"	"	"	-3.1	00 37	01 25	14
7471	77986	09 00.6 02.4	14 15	"	"	"	-2.9	01 30	02 02	15
7472	84107	09 37.7	31 27	"	"	"	-3.0	02 06	02 14	16
	- C -			Thursday Jan 29-30				observed several times but gradually sickened		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
1:50	0 46 W	59 36	0	8.0	A ₃	2-2-2	
2:00	1 21 W	61 29	0	8.0	A ₀	2-2-2	Sun ^M ingressing.
2:10	0 27 E	31 50	0	7.32	A ₂	2-2-2	Hd
2:15	0 08 E	27 35	0	7.47	K ₀	2-2-2	H
2:20	0 51 W	30 51	0-1	7.40	B ₅	2-2-2	Sun ^M variable
2:25	0 31 W	31 20	0-1	5.91	B ₂	3-3	M
2:30	0 56 W	32 53	0-1	7.30	F _B	2-2-2	Y
2:35	1 22 W	29 26	0-1	7.45	A	2-2-2	Hd.
2:40	0 46 E	57 13	0-1	7.31	F ₀	2-2-2	Rathie's Binary, skyride!
2:45	0 40 W	15 24	0	7.54	F ₀	2-2-2	Hd number 7468
2:50	0 18 W	17 22	0	6.71	F ₀	2-2-2	Y. number 7468*
2:55	0 32 W	32 54	0	6.66	A ₀	2-2-2	M
3:00	1 00 W	32 06	0	7.54	F ₈	2-2-2	H
3:05	0 13 W	16 06	0	7.25	B ₉	2-2-2	M
3:10	2 48 W	30 15	0	5.79	A ₂	2-2-2	M
3:15	up with stars and haze						Monday Feb 2-3 H-C To red (?)

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Date Monday February 9-1954 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
7473	H.D. 34109	05 09.9	85 35	I-12 $\frac{1}{2}$	E-103-0	set .010	-10.0	20 18	20 34	10 W
7474	" 35956	05 23.2	12 29	"	"	"	-10.0	20 42	20 56	31 W
7475	" 36104	05 24.2	12 12	"	"	"	-10.0	20 59	21 13	53 W
* 7476	" 37574	05 34.4	38 51	"	"	"	-10.0	21 24	21 40	4 W
* Sky hazy over during this plate. waited for air to clear.										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS						
0 31	10 W	85 38	0	6.55	A ₀	2-2-2	Feb. 2	14	MC	SC	MT	ST	
									+53.0	-1 47.2	-04 ^s	+0 ^m .1	
0 31	31 W	12 30	0	7.31	F ₈	2-2-2		3	13	+52.4	-1 48.1	+00.2	+0.3
0 53	53 W	12 12	0-1	6.95	B ₈	2-2-2		4	13	+53.3	-1 49.5	+04.3	+0.3
1 04	04 W	32 52	0-1	7.30	F ₈	2-2-2		5	13	+54.4	-1 51.0	+08.4	+0.4
so	sky remaining pretty thick!							6	13	+55.7	-1 52.3	+12.8	+0.3
								9	15	-05	-1 58.0	-20 ^s .0	+0 ^m .2
										add 1 ^m added wt 0.2	removed wt 0.2	Reset	
								11	12	-02.4	-1 58.3	-07.4 ^s	+0.5 ^m

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Date Wednesday Feb 11-1948 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
7477	HD 36162	05 24.7	15 17	I-IP ₂	F 130	.010	-7.0	20 48	20 52	1
7478	" 37646	05 35.0	29 26	"	"	"	-7.0	21 02	21 18	2
7479	" 35544	05 28.4	43 17	"	"	"	-7.0	21 29	21 45	3
7480	" 4276	06 05.8	17 24	"	"	"	-7.0	21 50	22 12	4
7481	" 46148	06 26	15 47	"	"	"	-7.1	22 16	22 40	1
7482	" 58244	07 19.7	32 02	"	"	"	-7.1	22 50	23 08	2
7483	" 57152	07 28.2	12 34	"	"	"	-7.0	23 02	23 40	3
7484	" 51164	07 14.5	11 55	"	"	"	-7.0	23 47	23 57	4
7485	" 74546	07 37.7	25 48	"	"	"	-6.9	00 07	01 03	2
7486	24107 64005	37.7 37.0	30 27 30 35	"	"	"	-7.0	00 24	01 03	3
7487	" 35547	" 25.2	17 52	"	"	"	-7.0	01 08	01 17	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
2 ⁰⁰	0 ³⁰ W	15 20	0	5.84	A ₂	2-2-2	Sky hazy and lightly cloudy in early evening.
2 ¹⁰	0 ⁴⁸ W	29 25	0-1	6.75	A	2-2-2	
2 ²⁵	1 ³⁰ W	43 20	0-1	6.75	A ₀	2-2-2	
2 ⁴⁰	1 ⁵ W	19 24	0-1-0	6.94	A ₀	2-2-2	
2 ⁵⁰	1 ²⁰ W	15 44	0-1	7.55	F ₅	2-2-2	
3 ⁰⁰	1 ³⁵ W	32 01	0-1	6.81	A ₀	2-2-2	
3 ¹⁰	1 ⁵⁰ W	14 26	0-1	7.12	A ₃	2-2-2	 with slight plate star in finder ✓
3 ²⁰	2 ¹ E	11 42	0	6.29	A ₀	3-3	
3 ³⁰	2 ¹⁰ W	29 40	1-0	7.58	F ₂	2-2-2	* Mirror fell off the new finder apparatus
3 ⁴⁰	0 ²² W	30 14	1	5.99 6.82	A ₂ A ₅	2-2-2	 Plate holder slide down in 2nd member 21 ms. Wrong direction
3 ⁵⁰	0 ⁴¹ E	17 36	0	6.87	A ₀	2-2-2	correct *
							* Mirror on finder repaired Tongue

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Date

Thursday Feb 12-13/42 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
7488	H.D. 34021	05 09.2	12 25	J-12 $\frac{1}{2}$	L-103-0	5 \times 1 615	-8.2	15 17	19 37	4
7489	" 36434	05 25.4	42 02	"	"	"	-8.2	20 08	20 18	1
7490	" 37519	05 34.1	31 18	"	"	"	-8.2	20 23	20 31	2
7491	" 40143	05 38.0	45 37	"	"	"	-8.2	20 36	20 39	4
7492	" 43335	06 10.6	17 12	"	"	"	-8.3	20 57	21 17	4
7493	" 43813	06 13.2	17 21	"	"	"	-8.4	21 22	21 32	4
	Focus First		Outside through base							
7494	" 44234	06 15.6	17 49	"	"	"	-8.4	21 21	22 03	3
7495	" 45757	06 24.2	17 59	"	"	"	-8.4	22 09	22 30	5
7496	" 59152	07 23.6	12 58	"	"	"	-8.5	22 40	23 00	4
7497	" 57764	07 26.4	12 53	"	"	"	-8.5	23 02	23 22	1
7498	" 71131	08 20.7	32 43	"	"	"	-8.5	23 16	23 40	4
7499	" 73772	08 27.6	42 56	"	"	"	-8.3	23 43	00 01	3
7500	" 73526	08 34.1	42 19	"	"	"	-8.4	00 45	00 15	4
7501	" 73971	08 38.1	47 16	"	"	"	-8.6	00 20	00 34	1
7502	" 74057	08 40.0	32 13	"	"	"	-8.5	00 38	01 30	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
✓	0 02 E	12 28	0-1	7.5	A ₀	2-2-2	
	0 01 W	42 04	0-1	6.25	B ₈	3-3	
	0 07 W	31 21	0-1	5.51	B ₈	3-3	
	0 03 W	46 38	0-1	6.62	A ₀	2-2-2	glaze
1	0 10 W	17 15	0-1	7.49	K ₀	2-2-2	
1 2	0 20 W	17 21	0	6.12	B ₉	2-2-2	
						3-2-2	[centre to violet. Shorter focus is 0.05+
1 3	0 35 W	17 28	0	7.46	K ₀	2-2-2	
1 4	0 40 W	17 36	0-1	7.33	A ₀	2-2-2	✓
1 5	0 45 W	12 53	0	6.73	A ₅	2-2-2	
1 6	0 45 W	15 46	0	7.17	G ₅	2-2-2	
1 7	0 44 W	17 29	0	6.76	A ₀	2-2-2	
1 8	0 42 W	42 45	0-1	7.24	A ₀	2-2-2	} in small instrument box - packed as originally found
5	0 52 W	32 08	0	6.01	F ₀	2-2-2	
1 9	1 08 W	47 07	0	6.90	G ₅	2-2-2	
1 10	2 09 W	32 24	0-1	7.54	F ₀	2-2-2	
							$\frac{1}{3}$ of ... NO MORE STARS !!!

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Date Friday Feb 13-14 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
7503	HD 27145	04 12	13 36	IS	Kodak	010	-6.5	19 56	19 36	3
7504	HD 06477	06 05	13 40	"	"	"	-6.5	19 47	20 05	4
7505	"	"	"	"	"	"		20 06	20 30	1
7506	HD 43537	06 17	28 02	"	"	"	-6.4	20 24	21 04	2
7507	HD 47256	06 32	27 53	"	"	"	-6.5	21 08	21 34	3
7508	HD 56211	07 11	32 53	"	"	"	-6.6	22 32	22 52	1
7509	HD 18337	08 06	14 19	"	"	"	-6.5	23 05	23 10	1
7510	" 7239E	08 27	47 28	"	"	"	-6.5	23 16	23 32	1
7511	" 72778	08 27	42 55	"	"	"	-6.5	23 26	23 50	1
7512	" 76704	08 32	46 23	"	"	"	-6.5	00 00	00 26	1
7513	" 82555	09 26	45 44	"	"	"	-6.5	00 40	01 16	1
7514	" 90208	10 13	13 14	"	"	"	-6.6	01 21	01 47	1
7515	" 101045	11 00	30 27	"	"	"	-6.6	02 10	02 36	1

P.110

Focus set 26.15 was 26.20 +

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
20 ²⁶	8 ^m W	13 42	1	7.8	B5	2-2-2	Some clouds, MC SC Feb. 13 12 -00.6 -2 00.3
20 ¹⁵	47 F	13 41	1	5.9	A4	3-3	Mosily clouds
20 ¹⁰	34 E	"	0-1	"	"	6	
21 04	6 ^m W	28 01	0	7.2	A0	2-2-2	exposed through clouds <u>not best</u>
21 ³⁶		27 51	0	7.26	A2	2-2-	at 21 ³⁴ - snowing closed dome
21 ⁴¹	0 ⁵⁰ W	31 50	0	6.63	B8	2-2-2	opened at 22 ²⁵ Haze
	0 ¹⁸ W	14 18	1	6.5	A5	2-2-2	
	0 ¹⁶ W	47 21	0-1	6.2	A0	2-2-2	
	0 ⁴⁰ W	48 43	0-1	7.04	A4	2-2-2	
	0 ⁴⁶ W	45 59	0-1	6.61	A1	2-2-2	
	1 ⁰³ W	45 32	0-1	7.9	A3	2-2-2	
	1 ¹¹ W	73 22	0-1	8.0	A2	2-2-2	
	0 ¹ W	31 13	1-2	7.1	A1	2-2-	Clear to 21:30

20/0 snowy

Clear to 21:30

Set watch

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clearing after sunset.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																		
8 11	41 E	28 02	2-1	742	A0 _n	2-2-2	Seeing good. but thick. Fainter stars East																		
8 45	7 ^m E	29 48	1-	686	A0 _n	2-2-2																			
9 19	15 W	32 11	1	689	B9 _n	2-2-2	8.2 * west + South.																		
9 43	41 W	26 59	1-2	691	F5	3-3																			
10 ⁰⁰ 9	50 W	32 21	1	729	A2	2-2-2	Thick at 9 ⁵⁶																		
							<table border="0"> <thead> <tr> <th></th> <th></th> <th>MC</th> <th>SC</th> <th colspan="2">MT₂ ST_m</th> </tr> </thead> <tbody> <tr> <td>Feb. 16</td> <td>12</td> <td>+02.8</td> <td>-02</td> <td>03.7</td> <td>+18.8 -0.0</td> </tr> <tr> <td></td> <td>17</td> <td>+02.5</td> <td>-02</td> <td>04.6</td> <td>+22.5 +0.5</td> </tr> </tbody> </table>			MC	SC	MT ₂ ST _m		Feb. 16	12	+02.8	-02	03.7	+18.8 -0.0		17	+02.5	-02	04.6	+22.5 +0.5
		MC	SC	MT ₂ ST _m																					
Feb. 16	12	+02.8	-02	03.7	+18.8 -0.0																				
	17	+02.5	-02	04.6	+22.5 +0.5																				

cloudy all day - mild - humidity col d & clear

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
7:06	30 ^m E	17 25	0+	6.91	A0	2-2-2	at sunset
8:24	20 ^m E	17 22	0+	6.12	B8	3-3	
9:55	20 ^m W	17 57	0+	7.33	A0	2-2-2	HD45826 hat 6 24.6 18° 02' 7.6 GS (clouds)

		MC	SC	MT ST	
Feb. 18	12	+03.8	-2	06.1	+29.8 +0.4

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1942?

Date *Chas. February 19-20* 1941 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
7524	HD 42233	06 4.5	15 56	I-12 $\frac{1}{2}$	L-103-0	Set .010	-10.3	19 04	19 54	4
7525	" 42180	06 4.2	14 52	"	"	"	-10.3	20 24	20 38	1
7526	" 43335	06 10.6	17 12	"	"	"	-10.3	20 41	21 07	2
7527	" 46148	06 26.6	15 47	"	"	"	-10.3	21 11	21 45	3
7528	" 59150	07 23.6	14 34	"	"	"	-10.5	21 49	22 17	4
7529	" 59152	07 23.6	12 58	"	"	"	-10.4	22 19	22 41	1
<i>Friday Feb 20-21 1942</i>										
<i>Partly cloudy with some flares in afternoon.</i>										
<i>Clearly somewhat before dark but clouds & haze again. None.</i>										

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																				
9:54	0 33 E	15 56	0	8.00	G5	2-2-2																					
2:35	0 12 W	14 52	0	7.27	B9	2-2-2																					
2:39	0 34 W	17 12	0	7.47	K0	2-2-2																					
2:45	0 07 W	15 46	0	7.55	F5	2-2-2																					
2:50	0 32 W	14 29	0	7.12	A3	2-2-2																					
3:01	0 57 W	12 54	0	6.73	A5	2-2-2	Haze, Sky filling in																				
							<table border="0"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Feb. 20 12</td> <td>+05.3</td> <td>-02</td> <td>06.7</td> <td>+44.3 +0.6</td> </tr> <tr> <td>23 12</td> <td>+08.3</td> <td>-02</td> <td>12.8</td> <td>-04.2 -0.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Adv. 1^m</td> </tr> </tbody> </table>		MC	SC	MT	ST	Feb. 20 12	+05.3	-02	06.7	+44.3 +0.6	23 12	+08.3	-02	12.8	-04.2 -0.1					Adv. 1 ^m
	MC	SC	MT	ST																							
Feb. 20 12	+05.3	-02	06.7	+44.3 +0.6																							
23 12	+08.3	-02	12.8	-04.2 -0.1																							
				Adv. 1 ^m																							

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Date *Monday February 23-24, 1946* 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
7530	H.D. 43646	6 12.2	29 49	I-12 $\frac{1}{2}$	E-103-0	set .010	-6.0	13 01	13 19	2
7531	" 45893	6 25.1	32 14	"	"	"	-6.1	13 04	13 28	3
7532	" 47956	6 32.6	27 53	"	"	"	-6.0	13 02	13 42	4
7533	" 58244	7 19.7	32 06	"	"	"	-6.0	20 46	21 14	1
7534	" 56386	7 11.7	31 09	"	"	"	-6.0	21 21	21 34	
7535	" 71151	8 12.7	27 16	"	"	"	-6.1	21 42	21 54	
7536	"	"	"	"	"	"	"	21 57	22 07	
7537	" 71537	8 22.3	33 02	"	"	"	-6.1	22 20	22 41	
7538	" 73596	8 24.1	32 19	"	"	"	-6.1	22 27	22 44	
7539	" 73224	8 32.7	16 07	"	"	"	-6.1	22 28	22 41	
7540	" 51125	9 37.0	31 35	"	"	"	-6.0	23 27	00 17	
7541	" 82351	10 24.3	27 05	"	"	"	-6.0	00 12	01 04	
7542	" 99473	11 21.6	28 57	"	"	"	-6.0	01 22	02 10	
7543	" 101241	11 31.2	25 16	"	"	"	-6.0	02 18	03 03	
7544	" 114725	13 07.3	16 40	"	"	"	-6.0	03 12	04 05	

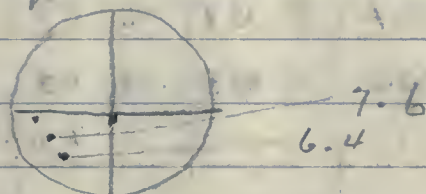
Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
	1 01 E	29 43	0	6.86	A ₀	2-2-2	Strong N.W. wind seeing poor.
	1 34 E	32 12	0	6.89	B ₉	2-2-2	
	1 02 W	27 23	0	7.26	A ₂	2-2-2	
	0 12 E	31 01	0	6.81	A ₀	2-2-2	
	0 17 W	31 03	0	5.76	B ₉	2-2-2	
	0 21 E	29 08	0	6.36	A ₂	2-2-2	N.F.
	0 10 E		"	"	"	2-2-2	S.P.
	0 15 W	32 52	0.1	6.66	A ₀	2-2-2	
	0 20 W	32 09	0	6.48	F ₂	2-2-2	
	0 24 W	32 57	0	6.51	A ₂	2-2-2	
	0 20 W	30 24	0	6.82	A ₅	2-2-2	
	0 20 W	28 51	0	7.92	K ₀	2-2-2	Wind dec. fast!
	0 24 W	28 42	0	7.78	F ₀	2-2-2	Wind dec. fast again.
	0 25 W	28 20	0	7.74	F ₂	2-2-2	
	0 52 W	28 25	0	7.76	F ₂	2-2-2	

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Date Tuesday Feb 24.25 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
7545	HD 42476	06 05.8	17 24	I-12	E.103	010	-5.1	19 00	19 24	1 45 ^m E
7546	" 43335	10.6	17 12	"	"	"	-5.1	19 30	19 56	2 45 ^m E
7547	43819	13.2	17 21	"	H	"	-5.1	20 00	20 12	3 45 ^m E
7548	44234	15.6	17 49	"	"	"	-5.3	20 17	20 39	4 45 ^m W
7549	46148	26.6	15 47	"	"	"	-5.2	20 56	21 24	1 55 ^m W
7550	59150	07 23.6	14 34	"	"	"	-5.4	21 30	21 54	2 30 ^m W
7551	59764	26.4	12 53	"	"	"	-5.6	21 59	22 19	3 30 ^m W
7552	67959	08 05.3	14 56	"	"	"	-5.5	22 23	22 37	4 30 ^m W
7553	71151	08 20.7	27 16	"	"	"	-5.5	22 42	23 01	1 30 ^m W
7554	71151	"	"	"	"	"	-5.5	23 01	25 17	2 30 ^m W
7555	82371	09 32.9	43 36	"	"	"	-5.4	23 23	23 53	1 30 ^m W
7556	91545	10 22.2	29 30	"	"	"	-5.5	23 57	00 33	2 30 ^m W
7557	96708	11 02.2	53 24	"	"	"	-5.4	00 41	01 15	3 30 ^m W
7558	101549	11 36.0	44 34	"	"	"	-5.4	01 27	01 57	4 30 ^m W
7559	101768	11 39.0	20 57	"	"	"	-5.5	02 01	02 31	1 30 ^m W
7560	119637	13 38.3	41 01	"	"	"	-5.5	02 35	03 05	2 30 ^m E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
19 34	45 ^m E	17 24	0+	6.91	A0	2-2-2	} moon quite close to all these stars
19 56	17 ^m E	17 13	0-1	7.47	K0	2-2-2	
20 12	4 ^m E	17 21	0-1	6.12	B8	3-3	
20 39	20 ^m W	17 47	1+	7.46	K0	2-2-2	
21 24	55 ^m W	15 46	1+	7.55	F5	2-2-2	} fainter stars just below in finder.
21 52	28 W	14 26	1-2	7.12	A3w	3-3	
22 13	50 ^m W	12 45	1-2	7.37	G5	3-3	note - declinations are reading 4' to far south
22 35	29 ^m W	14 46	1-2	6.14	A0	3-3	} SP - > A NF
22 51	37 W	27 08	1-2	6.36	A2w	3-3	
23 05	0 5 ^m W	"	2	"	"	3-3	
23 25	0 10 W	4 23	1	7.63	K0	2-2-2	} but - very faint.
23 35	0 02 W	28 15	1-2	7.85	K0	2-2-2	
01 5	0 10 W	38 "	2-3	7.99	G5	2-2-2	strong wind from north - image unstable
01 37	0 11 W	44 18	2	7.83	A0	2-2-2	low in the dec. zone
02 3	0 50 W	30 10	1	7.21	A0	2-2-2	} a few clouds - not much seeing
03 15	0 35 E	45 48	1	7.68	K0	2-2-2	



Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																																										
2:00	0 48 W	31 49	0-1	663	B8	2-2-2	Snow, clouds, early evening, trouble with generator fuses used delayed start																																										
2:00	0 27 E	45 59	0-1	661	A0	2-2-2																																											
2:00	0 20 E	43 52	0-1	752	A2	2-2	cloud formed suddenly, overcast																																										
							Focus 26.15 O.K.																																										
							<table border="1"> <thead> <tr> <th></th> <th></th> <th>MC</th> <th>SC</th> <th>MT_s</th> <th>ST_m</th> </tr> </thead> <tbody> <tr> <td>Feb. 27</td> <td>12</td> <td>+10.9</td> <td>-2 17.6</td> <td>+24.9</td> <td>+0.3</td> </tr> <tr> <td>Mar. 2</td> <td>12</td> <td>+13.2</td> <td>-2 20.7</td> <td>-22.0</td> <td>-0.5</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Removed at 02</td> <td>Adv. 1 min</td> <td></td> </tr> <tr> <td></td> <td>+</td> <td>14</td> <td>+11</td> <td>-2 27</td> <td>-19^s +0.5^m</td> </tr> <tr> <td></td> <td></td> <td>WBEN</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>6</td> <td>12</td> <td>+15.6</td> <td>-2 24.8</td> <td>-05.4^s -0.4^m</td> </tr> </tbody> </table>			MC	SC	MT _s	ST _m	Feb. 27	12	+10.9	-2 17.6	+24.9	+0.3	Mar. 2	12	+13.2	-2 20.7	-22.0	-0.5				Removed at 02	Adv. 1 min			+	14	+11	-2 27	-19 ^s +0.5 ^m			WBEN					6	12	+15.6	-2 24.8	-05.4 ^s -0.4 ^m
		MC	SC	MT _s	ST _m																																												
Feb. 27	12	+10.9	-2 17.6	+24.9	+0.3																																												
Mar. 2	12	+13.2	-2 20.7	-22.0	-0.5																																												
			Removed at 02	Adv. 1 min																																													
	+	14	+11	-2 27	-19 ^s +0.5 ^m																																												
		WBEN																																															
	6	12	+15.6	-2 24.8	-05.4 ^s -0.4 ^m																																												

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Date Mar 6-7 Friday 1942 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
7564	34109	5 09.9	85° 35'	I-12	E-103-0	010	+2.5	18 55	19 17	1 23 W
7565	50658	6 49.1	46 25'	"	"	"	+2.3	19 24	19 36	2 07 E
7566	44497	6 17.0	12 37'	"	"	"	+2.3	19 42	19 56	3 05 W
7567	47256	6 32.6	27 53'	"	"	"	+2.2	20 00	20 30	4 30 W
7568	58917	7 22.6	62 43'	"	"	"	+2.3	20 41	21 11	5 30 W

Saturday, March 7-8, 1942 H

Cloudy most of day. Thinning out but hazy in early evening. Clouds
max: 19⁴⁰

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1942

Date Tuesday Mar 10-11 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
7569	HD 43646	06 12.2	29 49	I-12	E103.0	010	+0.7	19 08	19 26	2
7570	HD 43537	06 11.7	28 02	"	"	"	+0.9	19 32	20 02	3
7571	HD 44071	06 14.7	29 25	"	"	"	+0.8	20 05	20 23	4
7572	HD 50244	07 19.7	32 06	"	"	"	+0.8	20 28	20 44	1
7573	HD 58917	07 22.6	62 43	"	"	"	+0.7	20 51	21 09	2
75743	HD 60293	07 28.7	62 44	"	"	"	+0.5	21 13	21 33	
75751	HD 60406	07 29.2	61 46	"	"	"	+0.6	21 57	22 01	
75761	HD 203526	21 19.6	86 37	"	"	"	+0.6	22 15	22 37	
75771	HD 15487	08 45.2	59 24	"	"	"	+0.5	22 45	22 51	
75787	HD 85583	09 47.7	61 36	"	"	"	+0.8	23 04	23 20	
75791	HD 89268	10 15.4	45 17	"	"	"	+0.7	23 20	23 40	
75804	HD 27319	14 12.2	22 35	"	"	"	+0.8	23 25	23 32	
75810	HD 105054	11 05.7	60 15	"	"	"	+0.9	20 07	20 27	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS	
19 26	6 ^m W	29 46	2	686	AO _m	3-3	
20 02	42 W	28 00	2	742	AO _m	2-2-2	
2 03	59 W	29 24	2	719	F0	3-3	
20 44	17 ^m W	32 00	2	681	AO _m	3-3	
21 07	38 ^m W	62 38	2	677	AO	3-3	Plate knocked glass side in.
21 28	55 W	60 40	2	686	AO	3-3	
22 01	1 23 W	61 39	2	759	F5	2-2-2	
22 27	21 W	56 49	2	744	F3	3-3	Sub pole, second finder seems to be centered
22 54	1 ^h 03 W	59 14	2	636	F0	3-3	
23 20	25 W	61 26	2-3	742	K0.	3-3	
23 53	2 02 W	57 34	2-3	718	K0	3-3	
24 21	2 31 W	55 42	2	715	K _m	2-4	
24 48	2 34 E	60 00	2	708		3-3	Don't ground motor up yet and turned motor on OK - there is no doubt about the latch works. Done checked the part - note

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Date Thursday March 12-13/AP 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
7581	HD. 44497	06 17.0	12 37	T-12 $\frac{1}{2}$	E-103-0	Set .010	+0.9	19 07	19 19	2
7582	" 45757	06 24.2	17 59	"	"	"	+0.9	19 25	19 53	3
7583	" 45504	06 22.7	27 02	"	"	"	+0.9	19 57	20 15	4
7584	" 45899	06 25.1	32 14	"	"	"	+0.8	20 20	20 38	1
7585	" 46641	06 29.4	32 22	"	"	"	+0.7	20 41	21 27	2
7586	" 50638	06 49.1	46 25	"	"	"	+0.6	21 11	21 17	5
7587	" 50763	06 49.5	46 49	"	"	"	+0.5	21 23	21 39	4
7588	" 61418	06 52.2	42 26	"	"	"	+0.5	21 40	21 55	1
7589	" 203836	21 19.6	86 37	"	"	"	+0.6	22 53	22 53	2
7590	" 100054f	11 25.7	60 15	"	"	"	+0.6	22 41	22 41	3
7591	" 89389	10 12.8	54 18	"	"	"	+0.6	23 22	23 26	1
7592	" 95057	10 53.4	52 26	"	"	"	+0.6	23 51	24 11	1
7593	" 97501	11 28.1	41 38	"	"	"	+0.8	24 15	24 41	2
7594	" 103500	11 30.0	37 20	"	"	"	+0.8	24 45	25 17	3
7595	" 107345	12 22.7	27 57	"	"	"	+0.7	25 22	25 42	2
7596	" 109376	12 30.0	23 12	"	"	"	+0.4	25 45	26 09	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS				
1:03	0 ²³ W	12 36	1	6.25	F ₀	3-3	Mar. 11	12	MC SC	MT ST
										+18.9 -2 30.5 +18.2 +0.1
1:05	0 ²⁹ W	17 56	1	7.33	A ₀	2-2-2	12	12		+19.2 -02 31.4 +23.2 +0.2
2:05	0 ⁵³ W	26 59	1	6.91	F ₅	2-2-2				
2:08	1 ¹³ W	32 12	1	6.89	B _{9n}	2-2-2				
2:09	1 ³⁸ W	32 40	1	7.29	A ₂	2-2-2				
2:09	1 ²³ W	46 01	1	5.75	B ₈	3-3				
2:09	1 ⁴⁴ W	46 48	1	7.03	K ₀	2-2-2				
2:09	2 ⁰³ W	42 23	1	6.61	A ₀	2-2-2				
2:09	0 ⁵⁵ W	86 49	1	7.44	A ₃	2-2-2				
2:09	1 ⁰⁰ E	60 00	1-2	8.0?	?	2-2-2				
2:09	2 ⁰⁰ W	34 05	1-2	7.7	F ₈	2-2-2				
2:09	1 ¹⁸ W	52 10	1-2	7.34	K ₀	2-2-2				
2:09	2 ⁰⁵ W	41 23	1-2	7.47	K ₀	2-2-2				
2:09	4 ⁰² W	37 24	1-2	7.51	M ₁	2-2-2				
2:09	1 ¹⁹ W	13 45	2	7.7	K ₀	2-2-2				
2:09	3 ⁰⁰ W	23 37	1	7.47	K ₀	2-2-2				

cont'd.

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Date

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
7597	HD 114 724	13 073	24 42	"	E 103.0	.010	+0.6	02 12	02 58
7598 →	" 107 001	13 360	22 35	"	"	"	+0.6	02 41	03 23
7599	" 125 528	14 147	39 12	"	"	"	+0.6	03 07	03 25
7600	" 128 102	14 216	23 41	"	"	"	+0.6	03 28	03 58

Hour Angle
End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS																															
0	32W	21 35	1-2	7.40	K ₀	2-2-2																														
0	27W	23 22	2	7.36	K ₀	3-3																														
0	12W	39 02	2	7.26	CS	2-2-2																														
0	21W	23 30	1-2	7.42	K ₀	2-2-2																														
<p>Water at 04 17 at least -5 mag. south than optimum</p>																																				
<table border="0"> <thead> <tr> <th></th> <th></th> <th>MC</th> <th>SC</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>Mar 13</td> <td>12</td> <td>+20.4</td> <td>-2</td> <td>32.3</td> <td>-28.2 -0.5^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>adv 1^m</td> </tr> <tr> <td></td> <td>16</td> <td>+22.3</td> <td>-2</td> <td>34.9</td> <td>-14.5^s -0.1^m</td> </tr> <tr> <td></td> <td>17</td> <td>+22.7</td> <td>-2</td> <td>36.7</td> <td>-08.5 -0.1</td> </tr> </tbody> </table>									MC	SC	MT	ST	Mar 13	12	+20.4	-2	32.3	-28.2 -0.5 ^m						adv 1 ^m		16	+22.3	-2	34.9	-14.5 ^s -0.1 ^m		17	+22.7	-2	36.7	-08.5 -0.1
		MC	SC	MT	ST																															
Mar 13	12	+20.4	-2	32.3	-28.2 -0.5 ^m																															
					adv 1 ^m																															
	16	+22.3	-2	34.9	-14.5 ^s -0.1 ^m																															
	17	+22.7	-2	36.7	-08.5 -0.1																															

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Date Thursday March 19-20/42 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
7601	H.D. 36162	05 24.7	15 17	T-12 $\frac{1}{2}$	E-103-0	Set .010	+2.5	19 20	19 27	2
7602	" 40143	05 52.0	45 37	"	"	"	+2.5	19 33	19 47	3
7603	" 37136	05 31.2	61 53	"	"	"	+2.5	19 51	20 09	4
7604	" 38258	05 39.4	47 26	"	"	"	+2.5	20 15	20 43	1
7605	" 42180	06 04.2	14 52	"	"	"	+2.5	20 48	21 16	2
7606	" 42477	06 05.8	13 40	"	"	"	+2.5	21 20	21 48	3
7607	" 51418	06 52.2	42 26	"	"	"	+2.3	21 34	21 48	4
7608	" 58517	07 22.6	62 43	"	"	"	+2.5	21 53	22 15	1
7609	" 60293	07 28.7	60 44	"	"	"	+2.5	22 42	22 40	2
7610	" 57069	07 14.6	29 55	"	"	"	+2.3	22 47	23 11	3
	Focus Test			Cells de through Base						
7611	H.D. 84035	07 31.0	30 35	"	"	"	+2.3	23 19	23 35	4
7612	" 84504	09 37.0	32 44	"	"	"	+2.5	23 38	00 06	1
7613	" 77302	11 22.5	27 17	"	"	"	+2.3	00 12	00 36	2
7614	102 056	11 37.5	27 13	"	"	"	+2.5	00 38	00 58	3
7615	<u>109 954</u>	<u>33.7</u>	<u>24 12</u>	"	"	"	+2.5	01 06	01 36	3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS						
9 ⁵⁵		15 18	1	5.84	A ₂	3-3	Y	Mar. 19	MC +24.7	SC -238.1	MT +0.8	ST +0.1
47	1 22 W	45 36	1	6.60	A ₀	3-3	Hd					
04	2 04 W	61 56	0-1	6.79	A ₅	3-3	H					
43	2 31 W	47 26	1	7.33	B ₈	3-3	Hd					
	2 40 W	14 50	1	7.29	B ₉	2-2-2	Hd					
	2 50 W	13 37	1	5.92	A ₂	3-3	M					
	2 23 W	42 24	1	6.61	A ₀	3-3	M					
	2 19 W	52 36	1	6.77	A ₀	3-3	H					
	2 30 W	60 38	1	6.86	A ₆	3-3	Hd					
	2 04 W	59 49	1	7.17	A ₂	2-2-2	Y					
						3 $\frac{1}{2}$ -2						
	1 00 W	30 20	1	6.82	A ₅	2-2-2	Y					
	2 00 W	32 23	1	7.52	F ₂	2-2-2	Hd					
	0 00 W	27 00	1	7.21	A ₂	2-2-2	Hd					
	2 40 W	29 00	1	6.92	A ₀	2-2-2	M					
	0 32 W	23 57	1	9.9	K ₀	2-2-2		has guitar taken				

cont'd.

Date.....

continued 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.
- 7616	HD 114 287	13 08.4	19 15	J-125	E 113-0	.010	+02.5°	01 42	02 12
- 7617	118 266	13 30.6	19 03	"	"	"	+02.5	02 15	02 57
- 7618	1-4 81	14 09.9	03 47 ⁷	"	"	"	+02.5	03 00	03 50
- 7619	126 613	15 16.7	25 20	"	"	"	+01.5	03 54	04 24

Friday, March 20-21. H-L

Thick haze + light clouds from sunset on; gradually increasing.

at 6⁰⁰ from E.D.S. as remarkable display of coronae -

22° parallel, 46° coronae, + circumscribed arc.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0	33 W	19 22	0-1	744	K ₀	2.22
25	0 54 W	19 28	0-1	744	K ₀	2.22
0.5	1 14 W	23 35	1-0	797	M ₂	2.22
0.4	2 37 N	25 44	1-0	744	K ₀	2.22
						MC SC (SW) MT _s ST _m Mar. 20 +25.2 -2 38.8 . +08.4 +0.3 23 +26.9 -2 41.8 +18.6 +0.3 ^m

Date Monday March 23-24 1942 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
7621	HD 63887	07 46.1	-71 57	5-12	E-130	010	-0.1	21 35	21 19	1
7621	203136	21 19.6	+86 37					21 26	22 10	2
- 7622	82670	09 28.3	+23 53	"			-0.2	22 04	22 28	3
- 7623	89344	10 13.9	+25 14				-0.3	22 31	22 51	
- 7624	95735	12 24.5	00 22	"			+0.5	22 56	23 11	1
- 7625	97767	12 26.0	00 10	"			-0.3	23 19	23 37	
7626	100904	12 57.1	26 28				-0.3	23 48	00 10	
7627	100473	12 28.1	66 17				-0.3	00 10	00 10	
- 7628	100278	12 38.7	61 02				-0.3	01 17	01 31	
- 7629	117261	13 28.1	41 15				-0.3	01 45	02 15	
- 7630	127065	14 08.2	25 37				-0.3	02 37	02 55	
- 7631	130384	14 41.1	21 13				-0.4	02 28	02 39	
- 7632	135330	15 18.5	42 33				-0.4	02 57	03 07	
- 7633	136613	15 10.7	23 20				-0.4	03 52	03 58	

Cloudy all day - clearing after dark. Strong N wind.

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2	15 N	+71 54	1	7.52	A0	2-2-2 KS44 H Very windy & unsteady seeing - good results
2	30 N	+86 49	1	7.44	A3	2-2-2 1 H sub-focus. Very windy
2	045 W	+28 02	1-2	7.61	K5	2-2-2 353
2	22 W	+25 02	2	7.60	K0	2-2-2
2	05 W	-51 49	1	7.50	G5	2-2-2
2	01 E	77 00	1-2	7.49	K0	2-2-2
2	12 E	85 36	1	7.80	F5	2-7 plate holder - 4450 completely empty. Useless
2	01 W	86 03	1-0	7.55	F0	2-2-2 slide? nothing on plate. Useless.
2	04 W	81 26	1	7.90	K0	2-2-2
2	27 W	71 00	2	7.56	K0	2-2-2
2	08 E	86 25	2	7.10	K0	2-2-2
2	11 E	88 22	2	7.02	K0	2-2-2
2	23 W	72 22	2	7.72	K0	2-2-2
2	27 W	25 10	2	7.44	K0	2-2-2

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Date Thursday Mar 24-25 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
7634	HD 36162	05 24.7	15 17	J-12	E103.0	010	+1.8	7 15	7 27	56 W
7635	"	"	"	"	"	"		7 28	7 40	56 W
7636	HD 58917	07 22.6	62 43	"	"	"	+1.7	7 53	8 13	1
7637	HD 63887	07 46.1	71 57	"	"	"	+1.7	8 18	8 25	2 W
- 7638	HD 73131	08 31.6	53 16	"	"	"	+1.7	8 54	9 14	3
- 7639	HD 80053	09 17.7	64 23	"	"	"	+1.5	9 20	9 40	4
- 7640	HD 78633	09 04.3	72 04	"	"	"	+1.5	9 46	10 04	1
- 7641	HD 79517	09 09.5	74 26	"	"	"	+1.5	10 03	10 17	1
- 7642	HD 83126	09 31.2	67 43	"	"	"	+1.4	10 31	10 44	2
- 7643	HD 88851	10 08.3	60 31	"	"	"	+1.5	10 55	11 15	-
- 7644	75032	11 05.5	59 28	"	"	"	+1.5	11 34	11 47	1
- 7645	104 304	11 32.7	81 08	"	"	"	+1.4	11 52	12 02	1
- 7646	100 293	12 34.5	85 17	"	"	"	+1.4	00 09	00 15	1
- 7647	108 861	12 35.4	59 17	"	"	"	+1.6	00 37	00 41	1
- 7648	107 391	12 35.0	23 29	"	"	"	+1.5	00 50	01 05	1
- 7649	114 351	13 03.0	37 37	"	"	"	+1.0	01 02	01 20	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
7:27	1 ^h 50 ^m W	+15 16	1+	5.84	A2m	3-3	}
7:40	2 06 W		1-2	"	"	3-3	
		62 35	2	6.77	A0	3-3	}
	47 ^m W	71 49	2	7.52	A0	2-2-2		HD 63748 - mail
	30 ^m W	53 05	2	7.54	K0	3-3	}
	7 ^m W	64 11	2	7.53	K2	3-3		examine for shift
	4 ^m W	71 52	2-3	7.46	K0	3-3	
	1:43 W	74 14	2-3	7.32	G5	3-3	
	1:41 W	67 30	2-3	7.46	K5	3-3	
	1:35 W	60 15	2-3		Ma	2-2-2	
	0:22 W	47 25	2	7.71	K0	3-3	
	3:48 E	25 30	2	6.80	F5	3-3	Slide not shown? Nothing on plate
	2:38 E	36 04	2	7.35	F0	3-3	
	0:42 W	59 33	2	7.22	K0	3-3	
	0:22 W	73 11	2	7.46	K0	3-3	
	0:11 W	37 42	2	7.21	K0	3-3	

cont'd

Photos under lens to destruction #5
from Mar 23-24

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																				
	0 06 W	42 25	2	7.15	K ₀	3-3																				
	0 27 W	49 47	2	7.60	K ₀	3-3																				
	0 47 W	51 10	2	7.77	K ₀	3-3																				
	4 52 W	57 14	2	7.31	F ₀	3-3																				
	0 30 W	43 23	2	7.22	F ₂	3-3																				
	0 14 W	62 18	-	7.67	K ₀	3-3																				
	0 17 W	85 25	1	7.14	A ₅	3-3																				
						<i>Strong</i> this plate in plate folder #1																				
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Mar. 25</td> <td>12</td> <td>+29.8</td> <td>-2 44.1</td> <td>-28.8 -0.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><i>Adv 1^m</i></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><i>Incs. approx - 26.5 A.</i></td> </tr> </table>		MC	SC	MT	ST	Mar. 25	12	+29.8	-2 44.1	-28.8 -0.2					<i>Adv 1^m</i>					<i>Incs. approx - 26.5 A.</i>
	MC	SC	MT	ST																						
Mar. 25	12	+29.8	-2 44.1	-28.8 -0.2																						
				<i>Adv 1^m</i>																						
				<i>Incs. approx - 26.5 A.</i>																						

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Date Wednesday March 25-26 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
7657	H.D. 63887	07 46.1	71 57	I-12$\frac{1}{2}$	E-1030	Set .010	+4.5	20 05	20 49	E 05W
7658	" 60293	07 28.7	60 44	"	"	"	+4.5	20 55	21 15	3 13W
7659	" 67959	08 05.3	14 56	"	"	"	+4.4	21 25	21 33	4 19W
7660	" 99302	11 20.5	27 19	"	"	"	+4.3	21 41	21 53	1 16E
- 7661	" 100655	11 29.0	20 59	"	"	"	+4.3	22 19	22 45	E 13E
- 7662	" 101980	11 39.1	25 47	"	"	"	+4.3	22 47	23 11	6W
- 7663	" 103736	11 51.7	62 06	"	"	"	+4.5	23 20	23 35	1E
- 7664	" 103753	11 52.2	62 06	"	"	"	+4.5	23 41	24 05	1W
- 7665	" 104724	11 57.7	26 32	"	"	"	+4.3	00 01	00 27	1W
- 7666	" 107714	2 10.7	58 03	"	"	"	+4.3	00 11	00 41	3W
- 7667	" 109705	2 28.7	33 57	"	"	"	+4.5	00 47	01 17	1W
- 7668	" 109725	2 29.1	51 05	"	"	"	+4.5	01 07	01 37	1 27W
- 7669	" 117200	3 33.7	35 15	"	"	"	+4.5	01 51	02 21	1W
- 7670	" 117201	3 33.7	65 13	"	"	"	+4.5	02 20	02 50	5W
- 7671	" 123777	12 51.4	4 10	"	"	"	+4.4	02 24	02 54	1W
- 7672	" 134493	25 25.1	51 47	"	"	"	+4.5	02 27	02 57	1W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
20 30	0 51 W	71 49	0-1	7.52	A₀	2-2-2	Supp. list. (spoiled in dev run)
21 15	1 35 W	60 40	1	6.86	A ₀	3-3	" "
22 30	1 19 W	14 47	1-0	6.14	A ₀	3-3	" "
23 00	1 16 E	29 05	1-0	7.21	A ₂	2-2-2	" "
23 45	0 53 E	20 44	1-0	7.44	G ₅	3-3	Schlesinger's Bright stars
24 15	0 36 E	25 32	1-0	7.37	K ₅	3-3	" "
24 45	0 22 E	51 24	1-0	7.06	G ₋	3-3	" "
25 15	0 14 W	51 45	1	7.44	G ₅	3-3	" "
25 45	0 11 W	35 55	0	5.81	F ₅	3-3	slide pulled most carefully!
26 15	0 08 W	42 50	0-1	6.26	F ₀	3-3	Schlesinger
26 45	0 05 W	32 44	1	7.27	K ₀	3-3	"
27 15	0 57 W	57 14	0-1	7.21	F ₁	3-3	✓
27 45	0 47 W	55 20	1-2	6.14	F ₀	3-3	Schl. (⊙)
28 15	0 37 W	45 00	2	7.27	F ₁	3-3	"
28 45	0 27 W	28 35	2	7.50	K ₀	3-3	✓
29 15	0 22 W	51 15	2	7.47	K ₀	3-3	✓

contd.

plates little stormy
on average

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Date

Thursday March 26/42 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
7676	H.D. 53925	07 01.8	37 36	T. R ₂	E-103-0	Sec 010	+ 7.2	19 32	19 56	1
7677	" 62141	07 37.4	22 39	"	"	"	+ 7.2	20 02	20 26	2
7678	" 65757	07 55.1	23 53	"	"	"	+ 7.2	20 31	20 55	3
7679	" 72505	08 28.2	13 36	"	"	"	+ 7.1	20 30	21 03	4
7680	" 76944	08 54.2	38 00	"	"	"	+ 7.1	21 09	21 59	1
7681	" 84752	09 38.9	19 20	"	"	"	+ 7.2	22 04	22 54	2
7682	" 94747	10 51.2	26 02	"	"	"	+ 7.1	22 30	23 00	3
7683	" 101112	11 02.2	09 00	"	"	"	+ 7.2	23 00	23 34	4
7684	" 101151	" 53.3	30 00	"	"	"	+ 7.2	23 01	23 35	1
7685	" 103500	" 50.0	37 40	"	"	"	+ 7.1	20 00	20 30	3
7686	" 108271	12 32.6	07 10	"	"	"	+ 7.1	00 42	01 12	4
7687	" 108983	12 40.3	18 30	"	"	"	+ 7.2	01 04	01 34	3
7688	" 117910	13 05.0	47 03	"	"	"	+ 7.1	01 34	02 04	1
7689	" 117215	13 25.1	05 32	"	"	"	+ 7.0	02 03	02 37	4
7690	" 120270	14 04.4	08 03	"	"	"	+ 7.0	02 32	03 01	3
7691	" 130770	14 07.0	30 01	"	"	"	+ 7.0	02 58	03 20	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp
19 5	0 42 W	37 32	0	7.32	K0	3-3
19 8	0 43 W	22 32	0	7.34	K0	3-3
19 5	0 55 W	23 44	0	7.42	K0	3-3
19 4	0 53 W	13 27	0	7.40	K0	3-3
19 1	1 00 W	37 51	0	7.72	K5	3-3
19 4	0 50 W	19 07	0-1	7.64	K0	3-3
19 1	0 02 W	26 50	0-1	7.40	K0	3-3
19 2	0 03 E	39 3	0-1	7.55	K0	3-3
19 1	0 24 W	31 57	1	7.43	K0	3-3
19 1	0 24 W	37 35	1	7.47	M0	3-3
19 1	0 24 W	28 35	1-0	7.42	K0	3-3
19 1	0 24 W	07 15	1	7.37	K0	3-3
19 1	0 31 W	07 28	1	7.47	K5	3-3
19 1	1 01 W	06 17	0-1	7.41	K0	3-3
19 1	0 31 W	22 21	0-1	7.29	K2	3-3
19 1	0 31 W	00 03	1	7.31	K2	3-3

Schlesinger's Bright Stars

cont'd

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	comp	REMARKS
0 11 W	01 51	0-1	4.6 4.0	3-3	
0 10 W	01 50	0-1	4.6 4.0	3-3	whole at down Wall
					HC Mar 27 12 +30.5 -2 457 -40.5 -0.4 SC LT BT

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Date Friday, June 27-28, 1942 7-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
7693	HD 50692	06 49.2	+ 25 30	I-12	F-103-0	set 310	+8.3	19 34½	19 42½	1
	43261	06 10.2	+ 24 00	"	"	"		19 47	20 1	
	48781	06 40.0	+ 48 53					20 04½	20 10½	
	51440	06 52.3	+ 38 12					20 15	21 29	
	47914	06 35.8	+ 44 38					20 31½	20 39	
	57423	07 16.1	+ 21 38					20 47	20 55	
	62285	07 38.1	+ 26 01				+8.4	20 51	21 00	
7694	HD 76944	08 54.2	+ 38 00	"	"	"	+8.4	21 06	21 22	2
7695	84252	09 38.9	+ 19 20	"	"	"		21 37	22 01	3
7696	85709	09 48.5	+ 06 26	"	"	"	+8.4	22 02	22 17	4
7697	90125	10 19.1	+ 02 52	"	"	"	+8.4	22 30	22 40	1
7698	74737	10 47.5	+ 00 21	"	"	"	+8.2	22 57	23 07	3
7699	98160	11 18.2	+ 00 41	"	"	"	+8.3	23 35	23 55	4
7700	101112	11 33.0	+ 09 26	"	"	"	+8.3	00 03	00 35	1
7701	108471	12 22.6	+ 02 10	"	"	"	+8.2	00 42	01 04	3
7702	117104	13 24.0	+ 01 43	"	"	"	+8.2	01 13	01 37	3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19 45	53 ✓	+25 28	1?	6.33	G0	6 ^r imp. thru W side of prism only. <i>letting</i> 3
	1 57 ✓	+23 58		6.89	G5	4
	2 29 W	+48 51		6.28	K0	5
	2 57 W	+38 06		7.22	K2	6
	2 50 W	+44 26		6.35	K5	7
	2 31 W	+20 34		6.23	K3	8
	2 21 ✓	+25 57	1?	6.58	M0	6 ^s imp. thru E side of prism. 9
	2 37 W	+37 49	1	7.72	K5	2-2-2 B.S.C
	2 21 W	+19 06	0-1	7.64	K0	2-2-2 "
	2 35 ✓	+06 15	1	7.62	M0	2-2-2 "
	2 2 ✓	+25 41		7.43	K0	2-2-2 HD 90155, 11-12-13, +2.54
	0 33 W	+00 55	0	7.77	K5	2-2-2
	0 36 W	+00 25	0	7.26	K0	2-2-2
	1 01 W	+09 10	0	7.55	K0	2-2-2
	0 41 W	+08 54	0	7.42	K0	3-3
	0 15 W	+07 29	0	7.47	K5	3-3

*seeing very variable
strong E to NE wind*

cont'd.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
01 ³⁰	0 ⁴ W	+06 17	0	7.41	K ₀	3-3
02 ³⁰	0 ³⁷ W	+07 48	0	7.35	K ₀	3-3
03 ³⁰	1 ⁰⁶ W	+02 35	0	7.35	K ₀	3-3
04 ³⁰	1 ¹⁵ W	+08 19	0	7.29	K ₂	3-3
		-00 04	0	7.31	K ₂	3-3

Strong wind continues

		MC		SC		MT		ST	
Mar.	30	12	+33.5	-2	48.4	-11.5	-0.1		
								Reset	
								$\frac{1}{2}$ turn to R.	
								s	m
	31	12	+34.3	-2	49.5	-21.7	-0.1		
Apr.	1	12	+35.4	-2	50.4	-32.0	-0.3		
								$\frac{1}{4}$ turn to R	

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Date Wednesday April 1-2/22 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
7708	H.D. 90472	10 21.6	19 52	I-12½	E-103-0	Set .010	+6.7	21 35	21 53	10 E
7709	{ " 94720	10 30.9	22 54	"	"	"	+6.7	21 58	22 16	2 E
	{ Focus Test							Focus 26.15		
7710	" 100055	11 25.7	49 20	"	V.	"	+6.5	22 30	22 40	3 E
7711	" 101604	11 36.4	53 43	"	"	"	+6.5	22 52	23 12	4 E
7712	103 736	11 51.7	52 06	"	"	"	+6.5	23 16	23 25	1 E
7713	103 953	11 53.2	52 32	"	"	"	+6.5	23 43	23 57	2 E
7714	108 861	12 23.4	57 19	"	"	"	+6.5	00 10	00 25	3 E
7715	112 423	12 31.9	54 39	"	"	"	+6.5	00 30	00 44	4 E
7716	114 593	12 41.7	54 17	"	"	"	+6.5	00 44	00 58	1 E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
53	0 10 E	19 38	1	720	K0	3-3	B.S.C. Clouds early evening.
200	0 15 E	22 38	1	731	K2	3-3	"
	1/4	20.3				3 1/2 R	
17	0 20 E	49 04	1-2	720	G5	3-3	"
20	0 05 E	55 30	1-2	758	K5	3-3	"
17	0 17 W	61 50	1	720	G5	3-3	" large cirrus clouds 1/2 time tabular
17	0 32 W	62 42	1	744	G5	3-3	" showing off-axis.
17	0 27 W	57 02	1-2	722	K2	3-3	"
17	0 04 W	53 25	1	731	G2	3-3	"
17	0 22 W	19 02	1-2	736	G2	3-3	" thickening up - cirrus permanent.

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Date

Thursday April 3/42 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
7717	H.D. 69473 Focus Test	08 12.1	09 11	I-12 $\frac{1}{2}$	E-103-0	566 .010	+9.6	19 52	20 12	22
				Outside through base,				Focus 26.20		
7718	" 72708	08 30.3	03 05	"	"	"	+9.6	20 23	20 47	3
7719	" 76629	08 52.3	09 46	"	"	"	+9.6	20 53	21 13	4
7720	" 79248	09 07.9	21 42	"	"	"	+9.6	21 18	21 46	1
7721	" 85505	09 47.1	60 33	"	"	"	+9.6	21 32	22 04	2
7722	" 88231	10 05.3	37 53	"	"	"	+9.5	22 02	22 30	3
7723	" 94720	10 50.9	22 54	"	"	"	+9.4	22 29	22 59	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
20 ¹²	0 22 W	09 02	1	7.31	K ₀	3-3	B.S.C. Cloudset sunset.
	<i>Lill</i>	20.30				3 $\frac{1}{2}$ -2	
20 ⁴⁷	0 40 W	02 56	1	7.48	K ₀	3-3	"
21 ³	0 43 W	09 37	1	7.32	K ₀	3-3	"
21 ¹⁰	0 42 W	21 30	1	6.09	A ₀	3-3	" Light haze
21 ¹⁴	0 30 W	00 19	1-0	7.29	K ₀	3-3	" "
21 ¹⁷	0 32 W	37 37	1	7.14	K ₀	3-3	" Haze
21 ¹⁸	0 30 W	22 43	1	7.21	K ₂	3-3	" Light clouds

Light haze at first, then 5 min

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Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																								
19 12	+23 08	1-2	7.36	K5	2-2-2 BSS. Light haze - very westerly lateral																								
20 40	+12 59	1-2	7.50	K0	2-2-2 Trace																								
7	2 13	1-2	7.49	K0	2-2-2 Filling in shadow thick																								
<p>April 7th changed to 25". also made comp closer to star spectrum</p> <p>1 1/2 camera was focus 26.20 Tilt 20.32</p> <p>Trial for 25" focus 23.40 tilt 23.15</p> <p>Exp 4^s & 3 with 1 feller in 2 out</p> <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>Apr. 8 12</td> <td>+40.6</td> <td>-2 59.2</td> <td>-38.7</td> <td>+18^s.6</td> <td>-0^m.4</td> </tr> <tr> <td>9</td> <td>+42.2</td> <td>-2 59.5</td> <td>+09.5</td> <td>+10.2</td> <td>+0.1</td> </tr> <tr> <td>10</td> <td>+42.9</td> <td>-3 00.5</td> <td></td> <td>+00.2^s</td> <td>-0.3^m</td> </tr> </tbody> </table>							MC	SC	SW	MT	ST	Apr. 8 12	+40.6	-2 59.2	-38.7	+18 ^s .6	-0 ^m .4	9	+42.2	-2 59.5	+09.5	+10.2	+0.1	10	+42.9	-3 00.5		+00.2 ^s	-0.3 ^m
	MC	SC	SW	MT	ST																								
Apr. 8 12	+40.6	-2 59.2	-38.7	+18 ^s .6	-0 ^m .4																								
9	+42.2	-2 59.5	+09.5	+10.2	+0.1																								
10	+42.9	-3 00.5		+00.2 ^s	-0.3 ^m																								

Temp set 26.3 on thermostat.
Two filters out of comparison

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20 18	1 28 W	+35 35	2 "	7.27 K0	1 1/2 1 1/2 1 1/2 BSE: * Image destination > 3/4 + length of slit (M)
20 45	1 35 W	+35 11	2-3'	7.21 K0	1 1/2 1 1/2 1 1/2 " " " " 2/3 " " " but separately
21 12	5 59 W	+51 48	2-3	6.93 G0	1 1/2 1 1/2 1 1/2 Bright across the region; faint across the region
21 57	1 16 W	+72 26	2-1'	6.24 F5	2 1/2 - 2 1/2 Image blowing up. 2nd slit shifted from NW to S.
				6.71 F0	Double stars. 1st faint + seeing too poor to try.
22 20	1 49 W	+78 24	1-2	7.19 G5	1 1/2 1 1/2 1 1/2 Light clouds. Thick.

	MC	SC	S.W	MT	ST
Apr. 14	12	+45.8	-3 05.7	+33.8	06 -03 ^m -33.2
	15	+46.2	-3 06.9	+58.1	-42.8 -0.4 ^m

* Sharp fine definitely reddish across the region in
NE at 19⁴⁶ despite light clouds + only
but not over the region E. W side

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
1 36 W	+01 40	0	7.76	M ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Image larger than slit. v. small
1 06 W	+23 49	0	7.40	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Seeing worse, small
1 27 W	24 32	0	7.37	K ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Seeing improving toward last half of exp. small
1 46 W	07 54	0	7.34	K ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Light from primary visible - in defocus small
0 55 E	17 20	0	6.73	F ₀	1 $\frac{1}{2}$ -3	Light from primary clouded over very small quickly about 1.25

Apr. 17

MT	ST
- 56 ^s	- 0.9 ^m

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Date Friday April 17 1942 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.
1748	HD 107984	12 189	+43 05	T-25	100-0	010	100	22	25

Start Angle
End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
4 (21)	17 ^W	+04 57	1	7.13	K0 15 1/2	B.S.C. Very windy. Scraggy very in street. Clouds 20 ⁰² - ^{from N} star gone 20 ⁰⁶ . All 20 ⁰⁴ Closed shutter 20 ¹⁵ Closed at 21 ¹⁰ still in street.

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Date Tuesday April 21-22

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
7749	HD 86321	9 52.6	84 24	I 25	E103-0	Set 011	+12.0	7 52	8 44	1 24 W
7750	" 87500	10 00.3	16 14	"	"	"	+11.8	8 51	9 21	2 58 W
7751	" 98960	11 18.2	0 41	"	"	"	+11.8	9 28	10 08	3 27 W
7752	" 104904	11 59.7	86 08	"	"	"	+11.7	10 17	10 47	4 25 W
7753	" 110093	12 34.6	86 17	"	"	"	+11.7	10 54	11 34	1 40 W
7754	" 111164	12 42.2	12 30	"	"	"	+11.5	11 42	12 00	2 56 W
	Focus test.		Outside thru base 6 ^S						made apex 4 ^S	
7755	" 120602	13 45.4	5 59	"	"	"	+11.5	00 08	02 08	3 00 W
7756	" 130025	14 41.8	19 18	"	"	"	+11.7	00 56	01 48	4 00 W
7757	" 142214	15 48.1	17 43	"	"	"	+11.7	01 50	02 50	5 00 W
7758	" 150580	16 36.9	25 03	"	"	"	+11.7	02 53	03 53	6 00 W
7759	" 155500	17 15.7	08 01	"	"	"	+11.6	03 37	04 37	7 00 W

Desk light. out

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
8 44	24 W	84 12	1-2	748	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	impossible to guide, well - windy
9 21	58 W	16 02	1-2	656	F0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	
10 08	27 W	+0 25	1-2	726	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	
10 47	25 W	85 55	1-2	680	F5 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	supp
11 34	40 W	86 03	1-2	735	F0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	" <u>some clouds.</u>
12 00	56 W	12 16	1-2	613	A3 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	
0	0 W 49	05 49	1-2	725	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	very faint, not visible at first.
0	0 W 17	17 08	0-1	739	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	
0	0 W 17	17 35	1	744	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	
0	0 W 24	24 58	2	727	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	very faint.
1	08	17 58	0	731	K0 $1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	" "
						red guide (faded) in box.
						Apr 21 MC SC SW MT ST
						+51.3 -313.9 +326.1 -0 ^m 32.8 +0.1
						$\frac{1}{4}$ turn to Pet.

173

Date Wednesday April 22-23/42 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
7760	H.D. 89344	10 13.4	25 14	I-25	E-103-0	Set .011	16.8	20 00	20 56	1
7761	" 101151	11 33.3	34 12	"	"	"	16.8	21 03	21 33	2
7762	" 101604	11 36.4	55 43	"	"	"	16.8	21 40	22 22	3
7763	" 110675	12 38.7	61 42	"	"	"	17.0	22 29	23 03	4
7764	" 118536	13 32.5	50 00	"	"	"	17.0	23 09	23 53	1
7765	" 118546	13 33.4	77 04	"	"	"	17.0	23 56	00 50	2
7766	" 134 493	15 05.1	50 27	"	"	"	17.3	01 00	01 32	3
7767	" 135 532	15 10.5	42 33	"	"	"	17.0	01 36	02 26	4
7768	" 145 641	16 07.2	36 06	"	"	"	17.0	02 31	03 17	1
7769	" 154 319	16 59.7	67 20	"	"	"	17.0	03 21	03 57	2
7770	" 160 750	17 31.7	43 31	"	"	"	17.0	04 01	05 01	3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
20 ⁵⁰	0 24 W	25 00	1-2	7.60	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	B.S.C. Image about length of slit. seeing
20 ³³	0 19 E	33 57	3	7.43	K ₂	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	" improving
20 ²²	0 27 W	53 30	3-2	7.58	K ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ⁰³	0 09 W	61 26	3-2	7.46	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ⁰⁷	0 02 W	49 46	3	7.60	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ⁵⁰	1 06 W	76 50	3-2	7.88	K ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ³²	0 10 W	50 14	3-2	7.27	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ²⁶	1 00 W	42 24	2	7.72	Mu	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ⁰¹	0 54 W	56 00	2-3	7.59	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
20 ⁰¹	0 42 W	69 15	2	7.52	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	2nd photo was flipped. Fine I period per. log.
20 ⁰¹	1 07	43 30	2	7.67	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	✓

Apr. 23

MC	SC	SW	MT	ST
+66.3	-3.16	+12 ^s	+17 ^s .2	+0.1 ^m
		rest adv.	Rest	$\frac{1}{4}$ t. to Rest.

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Date Thursday April 23-24/42 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
7771	H.D. 90125	10 19.1	02 52	I-25	E-103-0	Set .011	20.2	20 15	21 11	1 35 W
7772	" 97501	11 08.1	41 38	"	"	"	20.2	21 19	21 57	2 30 W
7773	" 100055	11 25.7	49 20	"	"	"	20.1	22 03	22 33	3 53 W
7774	" 107904	12 18.9	43 05	"	"	"	20.2	22 37	22 57	4 15 W
7775	" 108651	12 23.8	26 27	"	"	"	20.2	23 03	23 39	1 02 W
7776	" 114793	13 07.7	19 17	"	"	"	20.2	23 44	00 34	2 4 W
7777	" 127067	14 24.2	28 44	"	"	"	20.5	00 40	01 44	3 07 W
7778	" 138803	15 24.3	17 29	"	"	"	20.2	01 49	02 29	4 17 W
7779	" 144839	16 02.8	13 16	"	"	"	20.0	02 33	03 39	1 24 W
7780	" 153910	15 25.2	13 03	"	"	"	20.1	03 45	04 18	2 11 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
21 ¹¹	0 ³⁹ W	02 40	1-2	7.43	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ B.S.C.
21 ⁵⁷	0 ³⁵ W	41 24	3	7.49	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
21 ⁵⁷	0 ⁵³ W	49 06	3	7.20	G ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
21 ⁵⁷	0 ²⁵ W	42 50	3	6.56	F ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
2 ³⁹	1 ⁰² W	26 12	3	6.77	A ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
00 ³⁴	1 ¹⁴ W	19 02	0-1-2	7.36	G ₅	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ " Wind arising suddenly
0 ⁴	1 ⁰⁷ W	28 30	2-1	6.95	A ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
02 ²³	0 ⁴⁷ W	17 20	2-1	6.73	F ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
3 ³³	0 ²⁴ W	13 30	1-2	7.52	F ₂	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ Supp. seq.
0	0	13 05	0	6.46	A ₀ ^m	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ "
						MC SC SW MT ST Apr. 24 +53.8 -316.9 +353 +14.8 +0.2

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Date Friday April 24-25, 1942 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
7781	HD 78234	09 22.0	+32 57	I-25	E-103-0	^{cut} 010	22.8	19 45	20 07	1
7782	82870	09 29.1	+40 24	"	"	"	22.9	20 10	20 40	2
7783	88651	10 08.3	+60 31	"	"	"	22.9	20 45	21 55	3
7784	98499	11 14.8	+67 38	"	"	"	23.0	21 58	22 28	4
7785	104904	11 59.7	+86 08	"	"	"	23.0	22 33	23 03	1
7786	110215	12 34.6	+86 17	"	"	"	23.0	23 06	23 54	2
7787	117200	13 23.7	+65 15	"	"	"	23.0	23 57	00 47	2
7788	125632	14 15.6	+55 20	"	"	"	23.0	00 33	01 03	4
7789	138903	15 29.3	+17 29	"	"	"	23.0	01 38	02 07	1
7790	153312	16 53.6	+24 33	"	"	"	23.0	03 03	03 33	2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	
20 ⁷	0 54 W	+32 46	2-3	6.67	F2	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	BSC Image 0.8 of length of slit (M).
20 ⁴⁰	1 00 W	+40 12	2-3	6.90	F2	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	BSC n, p (brighter) component
21 ⁴⁵	1 37 W	+60 14	2-3	8.0 ^v	Ma	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	BSC Faint? vis. 6.1-6.8
22 ²⁸	1 33 W	+67 25	2-3	7.31	K0	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	BSC
22 ³	0 56 W	+85 54	2	6.80	F5	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	Supp Image small but steady
22 ¹	1 12 W	+86 03	2-1	7.35	F0	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	Supp.
22 ¹⁵	1 15 W	+65 00	1	6.94	F0	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	BSC Image about length of slit
22 ¹⁰	1 25 W	+15 08	1	6.63	F3	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	" Wind using image mask
22 ¹⁸	1 20 W	+17 18	1-0	6.72	F0	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	"
22 ¹⁴	1 21 W	+24 26	1-0	7.36	F0	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	"

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Date Saturday April 25-26

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
7791	HD 83951	9 367	35 52	I-25'	E 103-0	011	23.0	7 56	8 35	Y
	Focus lost	focus now set 23.45			6 ^S -4 ^S	outside tray base				2
7791 F		Y, H + L		secondary with H ₂ O + alcohol		primary with H ₂ O. Ok in to				

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS												
8 ³⁵ 52 W	35 20	1	6.37	F2	1/10-1/10	clouds call centre of Exp. 8 ¹²												
			7.14	K0														
						temp 23.0												
						Very sort of thickish so let 1/2 go. In part.												
						<table style="width: 100%; border-collapse: collapse;"> <tr> <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_S</td> <td style="text-align: center;">ST_w</td> </tr> <tr> <td>Apr. 27</td> <td style="text-align: center;">+566</td> <td style="text-align: center;">-320.0</td> <td style="text-align: center;">+1332</td> <td style="text-align: center;">+12.2</td> <td style="text-align: center;">+0.1</td> </tr> </table>		MC	SC	SW	MT _S	ST _w	Apr. 27	+566	-320.0	+1332	+12.2	+0.1
	MC	SC	SW	MT _S	ST _w													
Apr. 27	+566	-320.0	+1332	+12.2	+0.1													
						Focus test 1942 Apr 27 H												
						25" setting 1 focus 23.45												
						5 23.25												
						8 23.35 <u>Sub. 5ft</u>												
						3 filters out, Astra II 8 ¹⁰ 10 ⁵												

Wind

Temp

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Date Monday April 27-28, 1942 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
7792	HD 87500	10 00.3	+16 14	I-25	E-103-0	S-X 010	+17.9	20 22	21 12	2
		Tuesday April 28-29		Y-C.						
7793	HD 108651	12 23.8	26 27	I-25	E 103-0	011	+20.0	10 25	10 55	3
7794	" 111591	12 45.3	23 24	"	"	"	+19.9	10 59	11 49	2
7795	" 122675	13 58.2	46 15	"	"	"	+19.5!	11 56	12 56	1
7796	" 129430	14 37.4	21 33	"	"	"	+19.7	01 00	01 50	2
7797	" 149084	6 27.0	05 07	"	"	"	+19.6	01 58	03 08	2
7798	" 156284	17 11.6	23 52	"	"	"	+19.6	03 14	04 04	4
7799	" 168694	8 16.0	29 37	"	"	"	+19.3	04 07	04 47	1

Cloudy in daytime, clearing but with haze.

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
11 2	1 14 W	+16 00	1-2	6.56	F0 1/2	BSC. Clouds & haze in twilight. Thicker clouds.
						Sky thickens & damp in early evening clearing around 10 P.M.
10 55	3 7 W	26 13	2	6.77	A3 1/2-1/2-1/2	
11 40	1 10 W	23 09	2-1	7.46	K0 1/2-1/2-1/2	
12 56	1 05 W	46 03	2	7.64	K5 1/2-1/2-1/2	star does not seem very red for K5
0 50	1 20 W	21 20	2	7.21	G5 1/2-1/2-1/2	
0 3	0 18 W	35 21	2-1	7.65	K5 1/2 1/2-1/2	
0 1	1 01 W	23 45	2-1	7.17	K2 1/2-1/2-1/2	some general haze - on other parts?
0 47	0 25 W	27 38	2	7.14	K0 1/2-1/2-1/2	

Apr. 29 MC SC SW HT, ST
 +57.3 -3.22.5 +2.12.1 +08.5 -0^m.1

May 1 +59.1 -3.25.2 +2.52.3 -01.9 -0.1^m
 Adv 2 bumps Retard 1/4 turn

cloudy most of day. Thinning in evening.
Clearing with cool W wind.

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS																					
20 25	0 48 W	+16 02	2-3	6.56 F0	1 1/2 1 1/2 1 1/2	BSC. Light clouds occasionally																					
21 07	1 15 W	+54 03	2-1	6.94 F8	1 1/2 1 1/2 1 1/2	Amounts vary in N; lightning in S + in E																					
21 58	1 26 W	+52 09	2-1	7.34 K0	1 1/2 1 1/2 1 1/2	Seeing variable																					
23 08	2 35 W	+51 47	2-1	7.30 G5	1 1/2	" " Equatorial rays																					
0	1 00 W	+60 27	1-2	6.46 F0	1 1/2 - 1 1/2 - 1 1/2	Some lost locating trouble in declination Light clouds and haze after first 15 mins of exposure, more clouds, by filling in																					
<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>May 4</td> <td>12</td> <td>+60.2</td> <td>-330.7</td> <td>+3.16.8</td> <td>-06.8</td> <td>-0.3^m</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>adv to F¹ one notch</td> <td></td> <td></td> </tr> </table>									MC	SC	SW	MT	ST	May 4	12	+60.2	-330.7	+3.16.8	-06.8	-0.3 ^m					adv to F ¹ one notch		
		MC	SC	SW	MT	ST																					
May 4	12	+60.2	-330.7	+3.16.8	-06.8	-0.3 ^m																					
				adv to F ¹ one notch																							

185

Date Tuesday May 5-6 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.	H.	Hour Angle East
✓ 7805	HD 88231	10 05.3	37 53	J-25'	E103-0	Set 011	+11.4	8 05	9 35	3	02 W
✓ 7806	HD 101980	11 39.1	25 47	"	"	"	+11.8	9 42	11 12	4	06 W
> 7807	HD 125538	14 14.9	39 12	"	"	"	+12.0	23 23	00 43		02 W
✓ 7808	143209	15 54.0	37 58	"	"	"	+11.8	00 46	02 16		07 W
✓ 7809	159725	17 32.2	37 22	"	"	"	+11.7	02 20	03 50		03 W
> 7810	175416	18 40.6	38 28	"	"	"	+11.7	03 54	04 30		03 W
<p>May 7 - tests of transparency of J-12½</p> <p>T-1 } Spot counter to; lens covered in wax, starting on focal plane, E-103-0 exp. 1 with lens (i) 1 spot from 1/2 of plate 2 with lens (ii) 1 spot from 1/2 of plate</p> <p>T2 } Same as above T3 }</p>											

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS																														
9 35	2 ^h 02 ^m W	37 40	1-0	714	K0	1/2-1/2-1/2	Hazy -																														
11 12	2 06 W	25 31	0	737	K5	1/2-1/2-1/2	clear, but thick again at 10 ³⁵																														
1 73	1 02 W	39 06	0	726	G5	1/2-1/2-1/2	Flicks at first but clearing rather weak																														
2 14	0 57 W	39 50	0	744	K0	1/2-1/2-1/2																															
3 15	0 54 W	37 20	0-1	715	K0	1/2	some haze around moon																														
4 18	0 25 W	36 30	0-1	725	K0	1/2-1/2-1/2	sunrise interrupted obs. exposure rather weak																														
							<table border="0"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>MT</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>May 6 12</td> <td>+03.2</td> <td>-08.0</td> <td>-05.0</td> <td>-0.1</td> </tr> <tr> <td></td> <td>Rest</td> <td>Rest</td> <td></td> <td></td> </tr> <tr> <td></td> <td>wt 0.5 added</td> <td>wt dec. to 1.5</td> <td></td> <td></td> </tr> <tr> <td>May 7 12</td> <td>+03.4</td> <td>-10.5</td> <td>+316.7</td> <td>-05.6</td> </tr> <tr> <td>May 8 12</td> <td>+01.9</td> <td>-10.9</td> <td>+318.1</td> <td>-12.1</td> </tr> </tbody> </table>		MC	SC	MT	ST	May 6 12	+03.2	-08.0	-05.0	-0.1		Rest	Rest				wt 0.5 added	wt dec. to 1.5			May 7 12	+03.4	-10.5	+316.7	-05.6	May 8 12	+01.9	-10.9	+318.1	-12.1
	MC	SC	MT	ST																																	
May 6 12	+03.2	-08.0	-05.0	-0.1																																	
	Rest	Rest																																			
	wt 0.5 added	wt dec. to 1.5																																			
May 7 12	+03.4	-10.5	+316.7	-05.6																																	
May 8 12	+01.9	-10.9	+318.1	-12.1																																	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 21 3	2 03 W	+47 02	1-2	7.48	KO $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	B.S.C. mirror very astigmatic <i>fair</i>
6 22 56	1 51 W	+37 04	2-3	7.89	M6 $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	" mirror improving? but not good <i>(poor)</i>
9 23 45	1 06 W	+41 01	2-3	7.54	KO $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	" " <i>very good</i>
8 04	0 58 W	+23 28	2	7.48	KO $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	" " <i>very good</i>
	1 17 W	31 55	2-1	7.74	K5 $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	" Seeing poorer <i>fair</i>
	1 33 W	19 44	1-2	7.75	K5 $1\frac{1}{2}$ - $1\frac{1}{2}$ - $1\frac{1}{2}$	" Passing clouds near exit. <i>fair</i>

Rain - cleared about 9 P.M.

Saturday, opened up, seeing v. bad. decided not to work
in view of shortage of plates

Longworth Moderate N.W. winds, seeing miserable, let rest of night go.

Tuesday - cloudy & rain all day cleared around 10 P.M.
came up - found mirror badly fogged - Put heat on.

R.P.H.

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Date Tuesday May 19-20 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
7822	93075	10 39.8	57 26	"	"	"	"	"	"	"
7822	H.D. 127065	14 24.2	36 39	I-25	103-0	011	+20.0	10 18	11 48	4
7823	143209	15 54.0	39 58	"	"	"	+20.0	11 52	01 42	1
7824	159026	17 27.3	38 57	"	"	"	+19.8	01 47	² 01 37	2
7825	172958	18 37.9	31 31	"	"	"	+19.8	² 01 42	³ 01 08	3
Thursday, May 21-22, 1942										
<p>Tested new shipment (May 21 '42) against ^(last) opened box of Nov. 1941 with viscometer spots. New very noticeably faster, slightly greener, good</p>										

Partly cloudy + haze all day. p.194
 Thick at sunset but thinning out after dark.

* H watch substantially correct.

* C watch corrected -0^s

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
22 ⁰⁸	1 33 W	+07 55	1 ±	7.34	K5	1½-1½-1½ B5C. <u>Stage</u> * Emulsion rec'd May 21 '42
23 ⁰⁹	1 54 W	+11 04	1-2	7.14	G5	1½ 1½ 1½ " Stage.
23 ⁵⁰	1 05 W	+21 22	1-2	7.21	G5	1½ 1½ 1½ " <u>Lines hazed!</u>
01 ⁰¹	2 09 W	+22 16	1-2	7.45	K0	1½ 1½-1½ "
01 ¹⁶	1 22 W	+40 05	1-2	7.08	G0	1½ 1½ 1½
01 ³⁶	1 38 W	+38 53	1	7.52	K2	1½ 1½ 1½

		MC	SC	SW	MT	ST
May 26	15	-01 ^s	-33 ^s	-05 ^s	-10 ^s	+0.2 ^m
	WBEN					Reset
	27 12	+00.8	-36.2	-10.7	-12.8	+0.3 ^m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
22	1 30 W	86 03	0	7.35	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$ 6-5	Sup list. As far W as the telescope would go
21	1 52 W	68 57	1	7.60	K ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	B.S.C.
20	1 20 W	75 27	1	7.19	A ₅ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Sup list.
19	0 55 W	77 22	1-0	6.66	A ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	"
18	1 48 W	75 26	1-0	7.12	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	" As far W as the telescope would go. Large stars. Transparency very good

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
2 ²⁵	1 ³⁰ W	85 53	0-1	6.80 F5	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Supp. List. Light haze
2 ³⁰	4 ²⁰ W	57 12	1	7.31 F0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Ruther's Binary " " Light clouds
1 ²	1 ¹³ W	47 40	1	6.58 A0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Supp. clearing, clouding at 01 ²⁰ clear at 01 ³⁵ ETC.
02 ³⁰	0 ⁵² W	06 06	0-2	6.72 F0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	BBC
24 ⁰³	1 ⁴⁵ W	03 43	2-1	7.21 K2	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	" general haze - a few light clouds. weak.

	MC	SC	SW	MT	ST
Jun. 1.	-02.0	-44.6	+26.4	-01.8	+0.4 ^m

3	-02.9	-48.0	+20.2	-00.5	+0.4
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4	+06.5	-49.9	+19.1	+00.0 ^s	+0.4 ^m
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Ending Time E.S.T.	Hour Angle End	Declination.	Seeing	Ptg. Mag.	Comp.	REMARKS
22 ¹¹	4 ⁰² W	57 13	1	7.31	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Ruthie's Binary. $\frac{1}{2}$ comp - part of it exp <u>missing</u> !!!
23 ¹¹	1 ²⁸ W	53 06	1	6.63	A ₃ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	B.S.C.
00 ³	1 ¹⁶ W	85 28	1	7.19	A ₅ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Supp. List.
02 ¹¹	1 ⁴⁵ V	76 57	1	7.47	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Supp. light clouds - exposure cut short - spectrograph stopped by south pier.
03 ¹¹	0 ³⁸ W	31 06	2	6.73	B ₉ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	" many more light stars too many of same.
						exposure quite good - triple beam

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
21 29	1 30 W	86 03	2-3	7.35	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Supp List.
22 35	4 30 W	57 13	2-1	7.31	F ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Ruthis' Binary
23 31	1 03 W	50 16	2	7.27	K ₀ 1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	B.S.C
		55 59	2	7.59	K ₀ 1 $\frac{1}{2}$	Sky suddenly blanketing over shower after started. Waited till 1 ¹⁰ sky still thick. So closed up.
						exp. time = 1/2

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Date Monday June 8-2/42 S.H.L

Julian Day

Plate No.	Object	R.A. 1900 ^{AR}	Declination 1900 ^{AR}	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7851	N.G.C 6205	16 39.5	+36 34	Newtonian	E-102a-O			21 14	21 16	1
7852	" 5904	15 15.4	+02 19	"	"			21 23	21 29	2
7853	" 5466	14 03.1	+28 48	"	"			21 38	22 02	2
7854	" 5053	13 13.6	+18 01	"	"			22 09	22 33	2
7855	" 6205	16 39.5	+36 34	"	"			22 49	22 53	2
7856	" 5053	13 13.6	+18 01	"	"			23 04	23 26	2
7857	" 5466	14 03.1	+28 48	"	"			23 33	23 53	2
7858	" 5466	14 03.1	+28 48	"	"			23 57	0 17	2
7859	" 5466	14 03.1	+28 48	"	"			0 18	0 39	1
7860	" 6333	17 15.7	-18 27	"	"			0 47	1 13	2
7861	" 6366	17 24.4	-05 01	"	"			1 21	1 39	1
7862	" 6779	19 14.2	+30 04	"	"			1 44	1 58	2
7863	" 6760	19 08.2	+00 52	"	"			2 04	2 38	1
7864	" 6766	17 24.4	-05 01	"	"			2 41	2 59	2
7865	" 6779	19 14.2	+30 04	"	"			3 04	3 18	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 ¹⁵			Good		Processed on Arcturus. S guiding
21 ²¹	0 56 W				
22 ⁰²	0 58 W				Field not identified.
22 ³⁵	2 09 W		Fair		Reprocessed after this exp.
22 ⁵³	0 57 E				H guide
23 ²⁶	3 02 W				H guide
23 ⁵⁵	2 40 W				S guide
0 ¹⁷	3 04 W				
0 ²⁹	3 26 W				
1 ¹²			Fair to poor?		Reprocessed after this exp.
1 ²⁹	1 05 W				
1 ⁵⁸					
2 ³⁵	0 20 W				
2 ⁵⁹	2 25 W				
3 ¹⁸	2 50 W				
					MC SC SW \overline{MT} \overline{ST} Jun. 9 12 -06.0 -59.2 +13.3 +04.0 +0.4

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Date Tuesday June 9-10/42 S.H.L. Julian Day

Plate No.	Object	R.A. 1900 <u>42</u>	Declination 1900 <u>42</u>	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7866	M.C.C. 6205	16 39.5	+36 34	Newtonian	E-103a-0			21 15	21 19	1 27 E
7867	" 5904	13 15.4	+02 19	"	"			21 23	21 29	2
7868	" 5466	14 03.1	+28 48	"	"			21 36	22 00	1 51 W
7869	" 5053	13 13.6	+18 01	"	"			22 18	22 42	2 23 W
7870	" 6205	16 39.5	+36 34	"	"			22 47	22 51	1 55 E
7871	" 5053	13 13.6	+18 01	"	"			23 05	23 29	2 31 W
7872	" 5466	14 03.1	+28 48	"	"			23 48	00 12	1 28 W
7873	" 6366	17 24.4	-05 01	"	"			00 24	00 44	E
7874	" 6333	17 15.7	-18 27	"	"			00 49	01 09	1
7875	" 6333	"	"	"	"			01 10	01 30	2
7876	" 6779	19 14.2	+30 04	"	"			01 41	01 55	1 56 E
7877	" 6760	19 08.0	+00 52	"	"			02 00	02 31	2 21 W
7878	" 6366	17 24.4	-05 01	"	"			02 40	02 58	2 18 W
7879	" 6779	19 14.2	+30 04	"	"			03 03	03 15	2 50 W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS																					
21 ⁹	27 E		Faint low		Focus on Arcturus. Squid																					
21 ²⁹					Light scattered clouds over region.																					
22 ⁰⁰	0 51 W				Light clouds over region																					
22 ⁴²	2 23 W																									
22 ⁵¹	0 55 E				off 30 sec soon																					
23 ²³	3 10 W				Haze more light clouds guide star went, shut																					
0	3 08 W				Squid Start delayed by clouds. clouds during approach																					
01 ³⁰																										
01 ⁵⁵	25 E				← Refocused																					
02 ⁰⁰	0 20 W																									
02 ⁰⁸	2 08 W				Poor guide star - sky murky.																					
03 ¹⁵	0 35 W																									
					<table> <thead> <tr> <th></th> <th></th> <th>MC</th> <th>SC</th> <th>SW</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Jun. 10</td> <td>12</td> <td>-06.5</td> <td>-61.1</td> <td>+10.1</td> <td rowspan="2">HT</td> <td rowspan="2">ST</td> </tr> <tr> <td></td> <td>12</td> <td>-07.7</td> <td>-65.3</td> <td>+08.9</td> <td>+06.0</td> <td>+0.5</td> </tr> </tbody> </table>			MC	SC	SW			Jun. 10	12	-06.5	-61.1	+10.1	HT	ST		12	-07.7	-65.3	+08.9	+06.0	+0.5
		MC	SC	SW																						
Jun. 10	12	-06.5	-61.1	+10.1	HT	ST																				
	12	-07.7	-65.3	+08.9			+06.0	+0.5																		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
22 ⁰⁴	0 46 W	19 06	1-2	7.39	K ₀ 1/2-1/2-1/2	B.S.C. little heavy
22 ⁰⁵	0 37 W	17 33	1-2-3	7.44	K ₀ 1/2-1/2-1/2	" Seeing improving good
00 ⁵⁸	1 22 W	19 44	2-1	7.75	K ₀ 1/2-1/2-1/2	" Clouds good
02 ³	33 W	30 49	1	7.48	K ₀ 1/2-1/2-1/2	" clouds? little heavy
		17 16		7.27	K ₀ 1/2	more one clouds plate not kept

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Heavy Clouds late afternoon, breaking
and clearing after sunset. delayed
opening because of clouds in N.W.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
22 ⁵⁵	0 52 W	34 48	1	7.43	K ₀	$\frac{1}{2}-\frac{1}{2}-\frac{1}{2}$	B.S.C. good
22 ⁰⁰	0 26 W	09 46	1	7.74	K ₅	$\frac{1}{2}-\frac{1}{2}-\frac{1}{2}$	" good
01 ⁴⁰	01 33 W	14 53	1	8.01	M _B	$\frac{1}{2}-\frac{1}{2}-\frac{1}{2}$	" general haze not a star left. rather weak

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Date June 19-20 Friday 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
7892	HD 127067	14 24.2	28 44	T-25	E-103a-D	010	+24.3	9 06	10 02	1
7893	HD 137390	15 20.7	45 37	"	"	"	24.0	10 09	11 03	2
7894	HD 150429	16 35.9	63 17	"	"	"	24.0	11 10	12 00	3
7895	HD 153697	16 55.9	65 11	"	"	"	23.9	00 ⁰⁵	00 45	4
7896	HD 173398	18 40.0	62 39	"	"	"	23.9	00 ⁴⁸	01 38	1
7897	HD 183611	19 25.3	62 21	"	"	"	23.9	01 ⁴⁰	03 40	2

Monday June 22-23 H-C

Clear early evening. Clouding over just at dark. Very heavy thunderstorm

7 Jno Bell & 7 friends in dome for 1st plate

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	REMARKS
10 02	2 06 W	28 32	1	6.95	A0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	Br * to right ^{sp.} $\frac{1}{2}$ under. good
11 03	14 W	45 27	1	7.31	K2	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	good
12 00	57 W	63 12	1-2	7.62	K5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	little under
00 45	20 W	65 09	1	6.72	F0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	good
01 38	32 W	62 41	1	7.01	K0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	good
03 00	48 W	62 24	1-0	7.64	K5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$	little under

		MC	SC	SW	MT	ST
Jun. 22	12	-16.3	-1 23.7	+22.3	-27.8	+0.3
23	12	-16.8	-1 25.4	+19.9	-29.8	+0.3

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Date Tuesday June 23-24 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.
7898	HD 130084	^{h m} 14 41.1	^{° ' "} 33 13	I-25	E103a-D	010	+18.2	8 56	10 06 2
7899	" 140428	15 38.5	13 59	"	"	"	18.1	10 11	11 01 3
7900	" 155646	17 07.8	00 29	"	"	"	18.1	11.07	11 51 4
	Focus test		Focus set	26.35 outside thru base.			6-5 seconds		
790 ^o x	" 156593	17 13.4	23 13	"	"	"	18.1	11 57	01 17 1
790 ^l x	" 184944	9 31.7	14 10	"	"	"	18.0	01 25	02 45 2
				23.35?					
<p>Wednesday June 24/25</p> <p>Focus Test } Outside through base set 23.30 23.25</p> <p>Focus test at 23.35. reset. L.</p>									

Cloudy all afternoon and early evening.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
52	02 W	24 59	0-1	7.29	K ₂	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
53	02 W	16 56	1	7.64	M ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
53	02 W	20 45	1-2	7.50	K ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$
53	02 W	16 55	2	5.54	F ₀	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$

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Thor's Day

Date Thursday June 25-26/42 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.		
7906	H.D.	146603	16 120	67 24	I-25	E-103a-0	set .010	21.1	21 04	22 20	1
7907	"	147662	16 18.1	68 48	"	"	"	21.1	22 25	00 01	2
7908	"	159926	17 32.2	28 14	"	"	"	21.2	00 20	01 50	3
	"	175 820	20 285	51 28	"	"	"				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
22 ²⁰	0 04 W	67 16	1	7.28 K0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	B5C. good
00 ³¹	1 40 W	68 39	1	7.47 K0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	" haze, light clouds little
01 ⁵	2 2 W	28 13	2	7.66 K5	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Many more light clouds <u>weak</u>
				7.27 K0		clearing in places but general haze all over.
						No letter at 3 AM. closed up

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
22 08	2 12 W	+61 43 ^r	1	7.58 K5	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	Star should be 61 47 good
23 23	5 5 W	-52 16	1-2	7.67 K5	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	good
01 36	17 W	+16 47	1-2	7.94 Ma	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	rather weak
01 51	1 15 W	+16 26	1	7.66 K5	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	weak
03 30	1 12 W	+00 50	1	6.11 A ₀	1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	good

Jun. 27

WBEN

9

MR

-22.5

SC

-1 33.1

MT

-26.5

ST

+0.4

Power goes off at 4 A.M. D.S.T

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
9 26	1 29 W	51 14	2-1-0	6.05	A0	1/2-1/2-1/2	Haze.
10 14	1 48 W	60 29	1-2	6.46	F0	1/2-1/2-1/2	
11 35	1 32 W	55 56	1-2	7.59	K0	1/2-1/2-1/2	dec. 4' out - No other * in finder
0 19	45 ^m W	69 36	2-3	6.98	F8	1/2-1/2-1/2	numbered 7918 by mistake.
0 33	58 W	57 18	1-2	7.84	K0	1/2-1/2-1/2	Hazy clouds.

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

21	1 47 W	+39 01	1-2	7.26	G5 1 ¹ / ₂ 1 ¹ / ₂
22	39 W	+36 26	1-2	7.19	K0 1 ¹ / ₂ 1 ¹ / ₂
23	59 W	+24 26	2	7.36	K0 1 ¹ / ₂ 1 ¹ / ₂

Light haze 7 min. rather a big matter.

" "

" "

	MC	SC	SW	MT	ST
Jun. 29	-21.4	-1 24.2	+24.2	-23.6 ^s	+0.6 ^m
30	-27.5	-1 35.5	+15.7	-24.5 ^s	+0.4 ^m
Jul. 6	-26.7	-1 43.8	+07.1	-39.7	+0.0
7	-27.6	-1 45.0	+04.8	+16.4 ^s	+0.1 ^m
July 8	-23.7	-1 42.1	+07.0	+19.8 ^s	+0.2 ^m

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Date Wednesday July 8-9/42 G-H-L Julian Day

Plate No.	Object	R.A. 1900 42	Declination 1900 42	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	East Angle End
7922	NGC. 6366	17 24.4	-05 01	Newcomen	F-103a-0			22 18	22 32	1
7923	" 6402	17 34.1	-03 12	"	"			22 36	22 56	2
7924	" 6333	17 15.7	-18 27	"	"			23 02	23 18	1
7925	" 6779	19 19.2	+30 04	"	"			23 25	23 37	2
7926	" 6760	19 08.0	+00 52	"	"			00 09	00 39	1
7927	" 6402	17 34.1	-03 12	"	"			00 43	01 03	1
7928	" 6366	17 24.4	-05 01	"	"			01 07	01 19	1
7929	" 6981	20 49.8	-12 47	"	"			01 23	01 43	1
7930	" 6366	17 24.4	-05 01	"	"			01 52	01 06	1
7931	" 6981	20 49.8	-12 47	"	"			02 14	02 34	1
7932	" 6779	19 19.2	+30 03	"	"			02 41	02 53	1
7933	" 6981	20 49.8	-12 47	"	"			03 00	03 12	1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21:55			Poor		Seeing poor. Limit edge but otherwise reasonably good. waves moving across the field.
22:00					
22:05					
22:10			Poor		← Refocused.
22:15					
22:20					
22:25			Poor		← Refocused. much larger wave than at 22:10 of seeing, but don't ^{dimmer} get that much?
22:30					
22:35					
22:40					
22:45					
22:50					
22:55					
23:00					Squaring all plates

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Date Thursday July 9-10/42 S-H-A Julian Day

Plate No.	Object	R.A. 1900 42	Declination 1900 42	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
7934	N.P. 6205	16 39.5	+36 34	Newtonian	E-103a-0			21 20	21 24	2
7935	5904	15 15.4	+02 19	"	"			21 59	21 33	1
7936	58 ⁴ 66	14 03.1	+28 48	"	"			21 50	22 04	1
7937	6402	17 34.4	-03 12	"	"			23 12	23 28	1
7938	6366	17 24.4	-05 01	"	"			23 36	23 46	1
7939	6333	17 15.7	-18 27	"	"			23 51	00 05	1
7940	6402	17 34.4	-03 12	"	"			00 12	00 28	1
7941	6779	19 14.2	+30 04	"	"			00 44	00 54	1
7942	6760	19 8.0	+0 52	"	"			01 32	01 59	1
7943	6402	17 34.4	-03 12	"	"			02 05	02 23	1
7944	6366	17 24.4	-05 01	"	"			02 28	02 38	2
7945	6205	16 39.5	+36 34	"	"			02 52	02 56	1
7946	6779	19 14.2	+30 04	"	"			03 01	03 10	1
7947	7089	21 30.2	-1 05	"	"			03 15	03 19	1

Friday - Cloudy all night except for two brief partly clear intervals.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 24			fair		Hazy
21 33	1 08 W				"
22 00	2 22 W				clouds
23 05	6 55 W		fair		< refocused { time out due to clouds over region and trouble with next platform.
23 30	1 13 W				
24 15	1 01 W		very good		Rd lamp not working.
24 45	1 46 W				
25 15	0 35 W				< refocused { slow turning dead, control badly turned, barrel then a bit.
25 45	1 53 W				
26 20	3 41 W				
26 50	4 06 W				
27 20	5 08 W				
27 50	2 19 W				
28 20	0 41 W				Light loads. Spinning all plates.

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Date Sunday July 12-13/42 S-H-L Julian Day

Plate No.	Object	R.A. 1900 ⁴²	Declination 1900 ⁴²	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
7951	NGC 6205	16 39.5	+36 34	Newcoman	E-103-D			21 17	21 21
7952	" 5904	15 15.4	+02 19	"	"			21 25	21 29
7953	" 5466	14 03.1	-28 48	"	"			21 36	21 48
7954	" 6366	17 24.4	-05 01	"	"			21 56	22 06
7955	" 6402	17 34.4	-03 12	"	"			22 12	22 23
7956	" 6333	17 15.7	-18 27	"	"			22 33	22 47
7957	" 6779	19 14.2	+30 04	"	"			22 51	22 59
7958	" 5466	14 03.1	+28 48	"	"			23 05	23 17
7959	" 6333	17 15.7	-18 27	"	"			23 23	23 39
7960	" 6366	17 24.4	-05 01	"	"			23 45	23 58
7961	" 6402	17 34.4	-03 12	"	"			00 01	00 19
7962	" 6779	19 14.2	+30 04	"	"			00 27	00 47
7963	" 6760	19 08.0	+00 56	"	"			00 51	01 21
7964	" 6402	17 34.4	-03 12	"	E103-0			01 25	01 43
7965	" 6366	17 24.4	-05 01	"	"			01 50	02 04
7966	" 6205	16 39.5	+36 34	"	"			02 10	02 15

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 00	0 15 E		Good		Mirror rather astigmatic
22 00	1 17 W				
23 00	2 46 W				
24 00	0 15 E				Very poor guide star.
25 00	0 03 E		good		← Refocused. Astigmatism made it a little hard to focus.
26 00	0 35 W				
27 00	1 11 E				
28 00	1 18 W				
29 00	1 28 W		fair		← refocused Seeing deteriorating somewhat
30 00	1 37 W				Very poor guide star
31 00	1 45 W				
32 00	2 27 W		fair to poor		trouble finding good guide star. Set off center + got bright
33 00	1 17 W				
34 00	2 13 W				← Plate E-103-0 / 1. exp. of Sept 17/41
35 00	3 44 W				refocused.
36 00	4 40 W				Haze

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Date Monday July 13-14/52 S-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.
7971	NRC 5904	15 15.4	+02 19	Leontine	F-103-D			21 39	21 45
7972	" 6205	16 39.5	+36 34	"	F-103-D			21 50	22 10
7973	" 5466	14 03.1	+28 45	"	F-103-D			22 15	22 27
7974	" 6402	17 34.4	-03 12	"	F-103-D			22 31	22 45
7975	" 6366	17 24.4	-05 01	"	F-103-D			22 59	23 32
7976	" 6333	17 15.7	-18 27	"	F-103-D			23 37	23 51
7977	" 6779	19 14.2	+30 04	"	F-103a-D			23 55	24 25
7978	" 5466	14 03.1	+28 45	"	F-103-D			00 00	00 24
7979	" 6402	17 34.4	-03 12	"	F-103-D			00 29	00 44
7980	" 6366	17 24.4	-05 01	"	F-103-D			00 54	01 05
7981	" 6181	20 49.8	-12 47	"	F-103-D			01 10	01 30
7982	" 6366	17 24.4	-05 01	"	F-103-D			01 35	01 54
7983	" 6981	20 49.8	-12 47	"	F-103-D			01 56	02 15
7984	" 6779	19 14.2	+30 04	"	F-103-D			02 22	02 30
7985	" 6981	20 49.8	-12 47	"	F-103-D			02 38	02 49

Clouds from sun set on. clearing quickly
after dark.

Time Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	35 W		fair		E-103a-0 are $2\frac{1}{8} \times 3\frac{1}{4}$ plates
	38 W				E-103-0 = $3\frac{1}{4} \times 4\frac{1}{8}$ "
	32 W		F		
	29 W		good		refocused
	15 W		fair		Very poor guide star. 23 13.5 shooting star 23 21 clouds cleared away
	44 W		poor		
	03 E				
	29 W				
	18 W		very poor		
	2 48 W				Clouds over guide star. But minute
	0 12 E				Developed 5 small plates
	3 35 W				refocused.
	0 33 W				
	2 24 W		poor		2:23:00 Field all the time 11:20-11:25 2:48 guide star missing in field?
	1 07 W				

Much trouble with clouds latter part of night.

243

Date Monday July 14-15, 1942 S-14 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
7986	NGC 6205	16 39.5	+36 34	N	E-103a-0			21 15	21 19
7987	5466	14 23.1	+28 48	"	"			21 25	21 37
7988	5053	13 13.6	+18 01	"	"			21 42	21 56
7989	5904	15 15.4	+02 19	"	"			22 01	22 05
7990	5053	13 13.6	+18 01	"	"			22 15	22 29
7991	5466	14 23.1	+28 48	"	"			22 33	22 47
7992	6366	17 24.4	-05 01	"	"			22 51	23 03
7993	6333	17 15.7	-18 27	"	"			23 27	23 31
7994	6779	19 14.2	+30 04	"	"			23 59	00 05
7995	5466	14 23.1	+28 48	"	"			00 10	00 24
7996	6333	17 15.7	-18 27	"	"			00 29	00 41
7997	6366	17 24.4	-05 01	"	"			00 45	00 57
7998	6981	20 49.8	-12 47	"	"			01 03	01 21
7999	6981	20 49.8	-12 47	"	"			01 23	01 41
8000	6366	17 24.4	-05 01	"	"			01 55	02 09

Cool north wind + slow twinkling in the sky

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
2	0 08 E		fair to poor		2 1/2 x 3 1/4 inch plate. Seeing not very good.
2	2 46 W		poor		small mottling waves.
2	3 55 W		very poor		Cluster, mostly visible. H _α 11-2.
2	2 01 W		worse		← (3 Sept. 15 12.2 +05 10 5 ^m 44 Scans almost indistinguishable due to poor seeing.
2	2 27 W				
2	2 54 W				
2	2 52 W				Bright auroras in N
2	2 54 W				Scans made with 2 inch plate 7988, 7989-7991 ?
2	2 44 W		poor		← (72 Sept. 18 04.5 +09 33 3 ^m 73 Scans.
2	2 13 W				
2	5 23 W				
2	2 37 W				
2	2 42 W				
2	0 17 E				
2	2 23 W				⊙ Aug 19 03.1 -04 58 2 ^m 55 Scans
2	2 57 W		poor		

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

53 W

poor

11 W

37 W

09 W

Very transparent - sky all night, but seeing poor,
and cool N wind all night.
S guiding.

247

Date Wednesday July 15-16/42 S.H.A. Julian Day

Plate No.	Object	R.A. 1900 ₄₂	Declination 1900 ₄₂	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
8005	NGC 6205	16 39.5	36 34	Cartesian	E-103a-D			21 13	21 16	08E
8006	5466	14 03.1	28 48	"	"			21 22	21 32	15W
8007	5053	13 13.6	+18 01	"	"			21 35	21 45	3W
8008	5904	15 15.4	40 2 19	"	"			21 49	21 52	10E
8009	5466	14 03.1	+28 48	"	"			21 57	22 07	10W
8010	5053	13 13.6	+18 01	"	"			22 10	22 20	12W
8011	5466	14 03.1	+28 48	"	"			22 24	22 34	17W
8012	6366	17 24.4	-05 01	"	"			22 47	22 57	10E
8013	6333	17 15.7	-18 27	"	"			23 01	23 11	10W
8014	6402	17 34.4	-03 12	"	"			23 14	23 28	15W
8015	6779	17 14.2	+30 04	"	"			23 33	23 41	10E
8016	5466	14 03.1	+28 48	"	"			23 46	23 57	10E
8017	5466	14 03.1	+28 48	"	"			23 57	24 07	10E
8018	6366	17 24.4	-05 01	"	"			00 16	00 26	10W
8019	6333	17 15.7	-18 27	"	"			00 29	00 39	10W
8020	6402	17 34.4	-03 12	"	"			00 43	00 57	10W

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 16	0 08 E		poor		
21 32	2 45 W				
21 47	2 45 W				
21 52	1 52 W				
22 07	3 19 W				
22 22	4 22 W		fair		
22 37	3 47 W				
22 52	2 48 W		poor		refocused mirror astigmatism
23 07	1 10 W				
23 22	2 5 Wtd				
23 37	1 8 E				
23 52	2 8 W				
24 07	2 0 W				refocused
24 22	1 7 W				
24 37	3 9 W				
24 52	2 38 W				over focus on plate holder when setting camera

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
22 ¹⁴	1 20 W	35 23	0	7.65 K5	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	exposure satisfactory
23 ⁴²	1 13 W	30 32	0	7.71 K2	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	fine.
01 ²⁰	1 13 W	34 20	0-1	8.12 M _{cl}	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	satisfactory
02 ¹³	0 31 W	32 27	0-1	7.22 G0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	strong
03 ¹²	1 05 W	35 41	0-1	7.60 R0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	strong
04 ⁰⁵	1 44 W	06 38	0	7.14 G0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	too strong

comparison satisfactory

Exposure could be 15% less
on average.

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Date Wednesday July 22-23 Y-N₆ 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
8030	HD 151623	16 435	79 06	I-25	E103a-O	set 010	+26.3	8 42	9 18	2	26 ^m W
8031	HD 153299	16 535	50 13	"	"	"	+26.4	9 23	10 33	3	21W
8032	HD 161162	17 389	57 22	"	"	"	+26.4	10 37	11 33	4	37W
8033	HD 174205	18 443	70 41	"	"	"	+26.6	11 40	12 20	1	20W
8034	HD 184936	19 316	59 57	"	"	"	+26.1	0 24	1 04	2	15W
8035	HD 189127	19 534	57 59	"	"	"	+26.1	1 10	1 46	3	36W
8036	HD 197939	20 418	56 08	"	"	"	+26.0	1 50	2 40	4	40W
8037	HD 204590	21 246	59 19	"	"	"	+25.9	2 44	3 54	1	2 12W
	Focus test	outside	thru base		Exposed	e ^s 4 ^s					

8030-36
 8037-40
 8031-36
 8032-37
 8033-20
 8034-15
 8035-36
 8036-40

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
9 18	20 ^m W	79 06!	2	738	KO	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ exposure satisfactory
10 33	21 W	50 10	2-1	805	Ma	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ exposure satisfactory
11 33	37 W	57 25!	0-2	784	KO	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ Two stars farther north in field - satisfactory
12 20	20 W	70 46	2-3	773	KZ	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ exposure satisfactory
1 04	15 W	60 05	2	761	K5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ exposure satisfactory
1 46	36 W	58 10	2-1	719	KO	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ exposure satisfactory
2 40	40 W	56 20	2	759	Ma	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ Marked 7036
3 08	2 12 W	59 35	1-2	779	Ma	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ 7037 Plate not moved for present.

Focus OK.

WBEN m.c. s.c. s.w. $\overline{M.T.}$ $\overline{S.T.}$
 July 23 13h. -38.8 -1^s57.5 +17.9 -4.0 +0.2

Date Thursday July 23-24 A-16 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	View Angle Ead
8037	HD 146603	16 12.0	67 24	I-25	E-103a-0	^{set} .010	26.1	20 43	21 23	2	9 W
8038	HD 160733	17 37.6	69 38	I-25	E-103a-0	.010	26.0	21 37	21 56	3	
8038	HD 164428	17 56.0	78 20	I-25	E-103a-0	.010	26.0	22 10	22 54	4	9 W
8039	HD 173920	18 42.9	54 47	I-25	E-103a-0	.010	25.8	23 00	23 30	1	33 W
8040	HD 179933	19 09.4	65 49	I-25	E-103a-0	.010	25.8	23 36	23 52	2	31 W
8041	HD 184102	19 27.8	79 24	I-25	E-103a-0	.010	25.9	23 58	00 12	3	4 W
8042	HD 187764	19 46.6	68 11	I-25	E-103a-0	.010	25.8	00 17	00 45	4	6 W
8043	HD 190252	19 58.9	70 12	I-25	E-103a-0	.010	25.8	00 54	01 18	1	7 W
8044	HD 194298	20 19.8	63 41	I-25	E-103a-0	.010	25.8	01 22	01 40	2	9 W
8045	HD 196787	20 34.5	81 05	I-25	E-103a-0	.010	25.8	01 45	02 01	3	7 W
8046	HD 199095	20 49.8	82 10	I-25	E-103a-0	.010	25.8	02 04	02 12	4	8 W
8047	HD 202582	21 11.7	63 59	I-25	E-103a-0	.010	25.8	02 17	02 37	2	2 W
8048	HD 204599	21 24.6	59 19	I-25	E-103a-0	.010	25.8	02 41	03 25	1	28 W
8049	HD 213720	22 22.4	53 31	I-25	E-103a-0	.010	25.7	03 30	04 00	3	10 W
				Focus test	white star base			exposed	63 45		

considerable haze in early part of night

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 23	58 W	67 20	0-1	7.28 K0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ Is this the right star? OK
21 56		69 41		6.92 F8	$1\frac{1}{2}$ R A circle found 4m ahead of sid time - star faint
22 54	48 W	78 25	1-2	7.58 K5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ (guiding poor) Exp OK
23 30	33 W	54 56	1-2	7.04 G5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ OK
23 50	30 W	65 58	1-2	6.25 A2	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ OK
00 2	34 W	79 32	1	6.06 A2	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ guiding v poor Exp OK
00 5	46 W	68 20	0-1-2	6.63 F0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ refocused image - more compact. OK
00 8	57 W	70 18	3	7.24 G5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ a very good image - blew fine setting! OK
00 4	57 W	63 50	3	7.10 K5	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ See weak
00 01	17 W	81 18	3	6.62 K0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ seeing marvelous guiding poor. Strong?
00 02	18 W		3	5.69 A0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ (guiding poor) Strong?
00 07	12 W	64 09	3-2	6.47 G0	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ walk star 9
00 05	48 W	59 32	3-2	7.79 M2	$1\frac{1}{2}-1\frac{1}{2}-1\frac{1}{2}$ OK
00 04	57 W	53 54	2	7.47 K0	$1\frac{1}{2}-1\frac{1}{2}$ R.A. 22.20 instead of 23.20 image very faint but sharp. Right star?
00 05	Focus 23.35				Focus OK

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Date Friday July 24-25 A-16 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
8049	HD 153097 ⁵	16 55.9	65 11 ¹⁷	I-25	E-103a-0	slit .010	26.7	20 49	21 19	4
8050	HD 154319	16 59.7	69 20	I-25	E-103a-0	.010	26.3	21 24	22 12	1
8051	HD 161193	17 39.1	51 52	I-25	E-103a-0	.010	25.8	22 18	22 58	2
8052	HD 169221	18 18.6	49 40	I-25	E-103a-0	.010	25.8	23 02	23 52	3
8053	HD 186815	19 41.6	56 47	I-25	E-103a-0	.010	25.7	23 58	00 32	4
8054	HD 191096	20 03.1	56 03	I-25	E-103a-0	.010	25.7	00 35	00 53	1
8055	HD 197101	20 36.4	55 39	I-25	E-103a-0	.010	25.8	00 56	01 18	2
8056	HD 210740	21 00.2	49 57	I-25	E-103a-0	.010	25.8	01 30	02 06	3
8057	HD 210905	22 08.5	58 34	I-25	E-103a-0	.010	25.8	02 09	02 39	4
8058	HD 213720	22 28.4	53 31	I-25	E-103a-0	.010	25.7	02 42	03 08	1
8059	HD 217673	22 57.3	56 34	I-25	E-103a-0	.010	25.6	03 12	03 42	2
8060	HD 221661	23 28.9	44 31	I-25	E-103a-0	.010	25.7	03 47	04 07	3

clouds in north west at sun down
 wanted to see whether they were rising or falling

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 19	0 14 W	65 16	1	6.72 F0	1 1/2 - 1 1/2 - 1 1/2 another star in finder (almost buried out) fainter than
22 2	1 04 W	69 18	1-2	7.50 K0	1 1/2 - 1 1/2 - 1 1/2 wending. light clouds rising, a little. Too Strong
22 58	1 09 W	51 56	1	7.12 K0	1 1/2 - 1 1/2 - 1 1/2 Too Strong
23 23	1 24 W	49 46	1-2	7.51 K0	1 1/2 - 1 1/2 - 1 1/2 Little Strong
0 35	0 41 W	57 00	1-2	7.17 G5	1 1/2 - 1 1/2 - 1 1/2 Too Strong
0 58	0 40 W	56 13	1-2	6.46 F0	1 1/2 - 1 1/2 - 1 1/2 Little Strong
1 8	0 32 W	55 52	1-2	6.78 F0	1 1/2 - 1 1/2 - 1 1/2 Fine
1 23	0 57 W	50 06	2	7.45 K0	1 1/2 - 1 1/2 - 1 1/2 Fine
1 39	0 21 W	58 57	2-3	7.52 K0	1 1/2 - 1 1/2 - 1 1/2 Fine
1 51	0 30 W	53 50	3	7.47 K0	1 1/2 - 1 1/2 - 1 1/2 ok
2 11	0 35 W	56 52	3	7.57 K2	1 1/2 - 1 1/2 - 1 1/2 another star in finder (ok) much brighter
04 23	0 28 W	44 48	3	7.06 G5	1 1/2 - 1 1/2 - 1 1/2 fine

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Date Friday July 31 - Aug 1 A-No 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
8067	{ 155646	17 07.8	0 29	I-25	E-103a-0	^{set} 0/0	25.0	20 33	21 01	1-10W
8068	{ 162113	17 44.3	2 00	I-25	E-103a-0	0/0	25.0	21 06	21 44	1-10W
8069	{ 167654	18 11.1	2 22	I-25	E-103a-0	0/0	24.9	21 49	22 29	2-34W
8070	{ 182635	19 20.5	36 15	I-25	E-103a-0	0/0	24.9	22 36	23 08	2-10W
8071	{ 187880	19 47.2	37 35	I-25	E-103a-0	0/0	24.9	23 12	00 04	3-34W
8072	{ 199941	20 55.2	16 26	I-25	E-103a-0	0/0	24.9	00 09	00 39	3-10W
8073	{ 207476	21 43.9	36 06	I-25	E-103a-0	0/0	24.9	00 48	01 42	4-15W
8074	218261	22 01.3	19 22	I-25	E-103a	0/0				
8073 A	Outside through base exp 65 -				Focus		23.35		Temp 24.8	
	Inside through aper up 45				Slit		23.15			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS	
21 41	0 10W	0 29	1-2	6.94	F ₅	1/2 - 1/2 - 1/2	
21 44	0 16W	2 04	2	7.46	KD	1/2 - 1/2 - 1/2	Light clouded, passed over star during exposure.
22 29	0 34W	2 26	2	7.66	M ₆	1/2 - 1/2 - 1/2	sky very transparent. - light clouds in south
23 07	0 04W	36 25	2-3	7.45	K ₀	1/2 - 1/2 - 1/2	
00 04	0 34W	37 45	2-1	7.66	M ₆	1/2 - 1/2 - 1/2	north west wind vibrating telescope
00 29	0 1W	16 40	1	6.87	F ₂	1/2 - 1/2 - 1/2	few light clouds in south and that star in field 2 Polaris Polaris
00 52	0 15W	36 22	1-2	7.78	K ₅	1/2 - 1/2 - 1/2	Dense clouds quickly covering sky
				6.92	F ₈		thus preventing further observations.

265

Date Sunday, August 2-3, 1942 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	
8074	{ HD 150429	16 35.9	+ 63 17	I-25	E-103:0	set 010	25.8	20 38	21 44	1	
8075	{ 160933	17 37.6	+ 69 38	"	"	"	25.8	21 47	22 21	1	
8076	{ 170829	18 26.4	+ 20 46	"	"	"	25.9	22 25	23 21	2	
8077	{ 187038	19 42.7	+ 32 38	"	"	"	25.8	23 23	0 05	2	
8078	{ 194220	20 19.4	+ 42 40	"	"	"	25.7	0 08	0 54	3	
	Focus test; outside through base $6^s + 4^s$.							25.6			
	Focus 23.35+; tilt 23.15+										

Cloudy most of day. Clearing late afternoon. P. 266
 Scattered clouds throughout.

Match set by clock. checked by bright star. -2.0^m sid.
 Temp set 19.3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing :	Ptg. Mag.		REMARKS																		
21 44	33 W	+63 15	0-1	7.62 K5	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	Setting 2 Clouds over region delayed start.																		
22 21	10 W	+69 40	0-1	6.98 F8	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	8' clearing variable. Strong N wind!																		
23 21	21 W	+20 50	0-1	7.37 G5	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$	(HA not read)																		
0 15	46 W	+32 48	1	7.25 K2	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$																			
0 5		+42 51	1	7.33 K0	1 $\frac{1}{2}$ -1 $\frac{1}{2}$ -1 $\frac{1}{2}$																			
<table border="0"> <tr> <td></td> <td>N.E.</td> <td>S.E.</td> <td>S.W.</td> <td colspan="2">M.T. S.T</td> </tr> <tr> <td>Aug. 3.</td> <td>-47.6</td> <td>$-2^{\circ}22.2$</td> <td>$+41.6$</td> <td>-54.4</td> <td>-1.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>alt $+05$</td> <td>$+0.4$</td> </tr> </table>								N.E.	S.E.	S.W.	M.T. S.T		Aug. 3.	-47.6	$-2^{\circ}22.2$	$+41.6$	-54.4	-1.0					alt $+05$	$+0.4$
	N.E.	S.E.	S.W.	M.T. S.T																				
Aug. 3.	-47.6	$-2^{\circ}22.2$	$+41.6$	-54.4	-1.0																			
				alt $+05$	$+0.4$																			

267

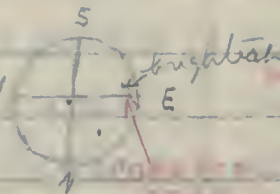
August

Date Monday 3-4 1942 A-No 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
8079	162468	17 46.1	11 59	I-25	E-103 ^{Set} _a -0	.010	22.9	20 32	21 06	4-11 E
8080	173920	18 42.9	54 47	I-25	E-103 _a -0	.010	22.9	21 14	21 40	4-32 E
8081	181597	19 16.0	49 23	I-25	E-103 _a -0	.010	22.5	21 44	22 12	1-37 E
8082	190771	20 01.5	38 12	I-25	E-103 _a -0	.010	22.2	22 18	22 50	4-72 E
8083	196642	20 33.6	37 58	I-25	F 113 _a -0	.010	22.7	22 55	23 25	2-32 E
8084	200527	20 58.9	44 25	I-25	"	"	22.8	23 28	00 12	7-30 E
8085	213272	22 23.2	35 13	I-25	"	"	22.7	00 26	00 42	1-47 E
8086	216756	22 50.4	36 33	I-25	"	"	22.7	00 45	00 57	4-32 E
8087	219310	23 07.7	23 34	"	"	"	22.8	01 08	01 56	4-32 E
8088	2924	00 27.4	27 01	"	"	"	22.8	02 06	02 22	7-36 E
8089	7351	01 08.6	28 01	"	"	"	22.8	02 29	03 27	1-12 E
8090	11624	01 49.0	36 37	"	"	"	22.7	03 34	04 06	1-32 E
8091	15138	02 21.2	50 07	"	"	"	22.6	04 11	04 41	3-32 E

scattered clouds after sundown.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 20	11 E	12 02	2	7.42	K ₂	1½-1½-1½
2 20	32 E	54 56	2-1	7.04	Q ₅	1½-1½-1½
2 20	37 E	49 32	2	7.26	K ₀	1½-1½-1½ transparency good.
2 20	42 E	38 22	2	7.34	Q ₅	1½-1½-1½ sliding contact to stem. Temperature rising
2 20	39 E	38 13	2-1	7.32	K ₀	1½-1½-1½
2 20	17 F	44 40	2	7.73	M ₆	1½-1½-1½ trouble with demagnifying -
2 20	1 17 E	35 30	2	6.53	A ₀	1½-1½-1½
2 20	23 E	36 51	2	6.34	F ₂	1½-1½-1½
2 20	43 E	23 52	2-1	7.49	K ₀	1½-1½-1½ other stars in field
2 20	1 36 E	27 21	2	6.84	A ₀	1½-1½-1½
2 20	1 12 E	28 19	2	7.98	Ma	1½-1½-1½ unable to move dome! trouble cleared.
2 20	1 13 E	36 56	2	7.39	K ₀	1½-1½-1½ by pushing contacts in and out.
2 20	31 E	50 23	2	6.55	F ₀	1½-1½-1½ - star disappeared in cloud.



Aug. 4 MC SC SW MT ST
 -48.3 -2.02.7 -02.3 +03.8 +0.2
 Rest

269

Date Tuesday, Aug. 4.5, 1942 H-16 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
8092	HD 153226	16 53.0	+14 03	I-25	E-103-0	^{set} 010	21.0	20 29	21 15	3-55W
8093	160677	17 36.2	+31 15	I-25	E-103a-0	010	21.0	21 25	22 17	3-47W
8094	173383	18 39.9	+39 13	I-25	E-103a-0	010	20.9	22 20	23 10	4-03W
8095	186121	19 37.5	+42 50	"	"	"	20.9	23 12	23 56	4-51W
8096	194220	20 19.4	+42 40	"	"	"	21.0	23 58	00 30	1-44W
8097	206632	21 38.3	+45 18	"	"	"	20.9	00 35	01 25	2-02W
8098	213389	22 25.9	+48 51	"	"	"	20.9	01 30	02 08	3-15W
8099	221661	23 28.9	+44 31	"	"	"	21.0	02 12	02 36	4-01E
8100	5273	00 49.4	+48 09	"	"	"	21.0	02 42	03 32	3-44E
8101	7647	01 11.3	+44 23	"	"	"	21.0	03 37	04 11	3-27E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21 53	55W	+14 01	0-1	7.29	G5	1/2-1/2-1/2 OK ← Redpointed down triple work
22 17	17W	+31 18	1-2	7.65	Ma	1/2-1/2-1/2 160877? 160848? 160822? triple work
23 49	03W	+39 18	1-2	7.73	K5	1/2-1/2-1/2 triple work
23 50	51W	+43 00	2	7.74	Ma	1/2-1/2-1/2 triple work
00 30	44W	+42 51	2	7.33	K0	1/2-1/2-1/2 OK
01 25	20W	+45 35	2	7.82	Ma	1/2-1/2-1/2 OK
02 00	15W	+49 08	2	7.52	K0	1/2-1/2-1/2 OK
02 30	19E	+44 47	2-3	7.06	G5	1/2-1/2-1/2 OK
02 50	44E	+48 26	2-3	7.95	Ma	1/2-1/2-1/2 triple work
04 10	27E	+44 38	3	7.66	K5	1/2-1/2-1/2 hardly enough time for another plate triple work OK

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Date *Wednesday, Aug. 5-6, 1942 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
8102	HD 147662	16 18.1	+68 48	I-25	E-103-0	set 010	20.9	20 20	21 20	4-2
8103	160933	17 37.6	+69 38	"	"	"	21.3	21 24	21 52	4-8
8104	164780	17 57.7	+75 10				21.2	21 55	22 27	1-
	<i>Brown test</i>		<i>outside this frame</i>			$7^{\circ} 5^{\circ}$		22 ⁰⁸	<i>Compare</i>	
<p><i>Thursday August 6-7, 1942 H</i></p> <p><i>Clouds & thick haze all first half of night.</i></p>										

Ending Time
E.S.T.

Hour Angle End.	Declination.	Seeing	Ptg. Mag.		REMARKS																		
20 21 21 22 27 27	40 W +68 45	0-1	7.47 KO	1½ 1½ 1½	Light clouds																		
0	53 W +69 41	1	6.98 F8	1½ 1½ 1½	OK																		
	+75 14	1-2	7.44 KO	1½ 1½ 1½	Light clouds over region - + much of sky at times Star gone ²⁵ Thick Still pretty thick ³⁰ 23																		
					N.B. Lengths from slightly (0.05) to 23.40(+)																		
					<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>Aug. 6 12</td> <td>-50.0</td> <td>-2 03.6</td> <td>-05.4</td> <td>+02.4</td> <td>+0.3^m</td> </tr> <tr> <td>Aug. 7 12</td> <td>-50.5</td> <td>-2 04.6</td> <td>-08.3</td> <td>+00.8^s</td> <td>+0.4^m</td> </tr> </tbody> </table>		MC	SC	SW	MT	ST	Aug. 6 12	-50.0	-2 03.6	-05.4	+02.4	+0.3 ^m	Aug. 7 12	-50.5	-2 04.6	-08.3	+00.8 ^s	+0.4 ^m
	MC	SC	SW	MT	ST																		
Aug. 6 12	-50.0	-2 03.6	-05.4	+02.4	+0.3 ^m																		
Aug. 7 12	-50.5	-2 04.6	-08.3	+00.8 ^s	+0.4 ^m																		

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Date Friday Aug. 7-8, 1942 H-No..... 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
8105	HD 168323	18 14.0	23 15	I-25	E-103a-0	Set .010	22.9	21 48	23 08 72	W
8106	188 149	19 48.7	+36 11	"	"	"	22.8	23 11	23 55	W
8107	192535	20 10.3	+43 04	"	"	"	22.8	23 58	00 72 3-2	W
8108	205 314	21 29.4	+49 30	"	"	"	22.8	01 19	01 33 56	49W
	206632	21 38.3	+45 18	"	"	"	22.7	01 40	—	4-
8108 F	Focus Test. Outside through base				6S44S		19.0			4-
	Focus set		23.40	tilt	23.15+					
Sunday, August 9-10, 1942 H Cloudy first half (at least)										
22. Sunday, August 10-11, 1942 S-H-A- Cloudy Newtonian										
Tuesday Aug 11-12, 1942 S-H-Newtonian - cloudy at first, then Improving after midnight but not good										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS																								
23 10	3° W	23 19	0-1-2	7.90 K5	1/2-1/2-1/2 slight N.E. wind - sky hazy at sunset Light clouds																								
23 15	51 W	+36 22	1-2	7.33 K0	1/2-1/2-1/2 Light haze at time.																								
6 2	17 W	+43 18	1-2	7.32 K2	1/2-1/2-1/2 hazy - at times star fades out																								
1 01	49 W	+49 49	2	5:76 A0	1/2-1/2-1/2 trouble with declination guiding and setting control - screw which moves telescope in declination at end of run. Hazing over. Badly! - wanted to see if it would clear - still cloudy - went home I left plate in holder no. 4 in dome as one more exposure may be gotten at setting 8.																								
		+45 36	1-2	7.82 Mb	1/2																								
	<u>Focus OK.</u>																												
	<p>Aug 12 5 S-A - haze all Circle around horizon rising almost 3 south Ground up but could not find suitable cluster. Ground up at 10:45 DST. Pm declination setting screw down to middle of run.</p>																												
					<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>Aug. 10 12</td> <td>-53.6</td> <td>-2 10.7?</td> <td>-01.9</td> <td>+09.2</td> <td>+0.1^m</td> </tr> <tr> <td>11 12</td> <td>-54.3</td> <td>-2 06.3</td> <td>+01.1</td> <td>+07.9</td> <td>-0.0^m</td> </tr> <tr> <td>12 12</td> <td>-55.1</td> <td>-2 06.9</td> <td>-00.7</td> <td>+06.8</td> <td>-0.1^m</td> </tr> </tbody> </table>		MC	SC	SW	MT	ST	Aug. 10 12	-53.6	-2 10.7?	-01.9	+09.2	+0.1 ^m	11 12	-54.3	-2 06.3	+01.1	+07.9	-0.0 ^m	12 12	-55.1	-2 06.9	-00.7	+06.8	-0.1 ^m
	MC	SC	SW	MT	ST																								
Aug. 10 12	-53.6	-2 10.7?	-01.9	+09.2	+0.1 ^m																								
11 12	-54.3	-2 06.3	+01.1	+07.9	-0.0 ^m																								
12 12	-55.1	-2 06.9	-00.7	+06.8	-0.1 ^m																								

275

Date Thursday August 13-14, 1942 S-H-16 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
8109	NGC 6333	17 15.7	-18 27	Newtonian	E-103A-0			22 12	22 36	29W
8110	6779	19 14.2	+30 04	"	"			22 42	22 58	53W
8111	7089	21 30.2	-01 07	"	"			23 04	23 12	19E
8112	6981	20 49.8	-12 47	"	"			23 17	23 57	16W
8113	6981	20 49.8	-12 47	"	"			23 51	00 23	23W
8114	6779	19 14.2	+30 04	"	"			00 28		1
	7492	23 05.4	-15 55							

Clouds + haze at dawn. Alternately improving and deteriorating. Very poor.

p.276

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
22 ³⁶	29 W		Poor		Thick haze. trail in Dec for orientation Aug 13 12
22 ⁵⁸	53 W				MC ^s 3C ^m 3W MT ST -55.9 - 2 07.2 -05.1 +06.3 -0.1
23 ¹²	09 E				Hazy
23 ⁵⁷	16 W				Hazy
00 ²³	43 W		Poor		← Referenced as star near equator + meridian No good.

277

Date Friday August 14, 15, 1942 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	1942	1900	1900							
8115	NGC 5904	15	15.4	+02	19	Nau	E-103A-0	-	-	20 43	20 47	
8116	6333	17	15.7	-18	27					20 53	21 09	
8117	642	17	34.4	-03	12					21 15	21 35	
8118	KSA 133	17	15.7	-18	27					21 42	21 52	49W
		17	15.4	-15	12					21 54 30	22 04 14	
	NGC 5466	14	03.1	+28	48							
8119	6779	19	14.2	+30	04					22 19	22 39	80W
8120	6333	17	15.7	-18	27					22 35	22 55	81W
	6402	17	34.4	-03	12							
8121	6779	19	14.2	+30	04					23 22	23 42	82W
8122	6931	20	43.5	-12	47					23 47	00 17	
	6760	19	14.2	+30	04							
8123	6779	19	14.2	+30	04					00 28	00 46	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20:07	45 W		Fair >		Traced on 5 of obs
21:00	00 W				Traced in dec. H gain 9115-17
21:55	14 W		Fair >		Temp in dome 71°F
22:00	49 W				Squid line
22:00	04 W				Invisible because of haze
22:00	27 W				
22:00	33 W				Too much haze
22:00	40 W				
22:00	43 W				Too much haze in field. V. Invisible
22:00	48 W				<u>Very poor work</u> - terrible, in fact.

279

Date Saturday Aug 15 16 A 16 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
8124	181655	19 42	37 09	T-25	F1030	^{net} 010	26.2	21 41	22 45	
	196134	20 33	41 25					Assume mean 22 ²⁰ ?		
8124 F	Trans best. Outside through base 65-55						26.0			
				Focus	23.40					
				Zeit	23.20					

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg. Mag.

REMARKS

↑
mean 22.2

6 3 W

37 15

2-0

714 35

1 1/2

743 Ko

Clouds until after sunset. Cleared up around
20 hrs. waited for some time to see if clouds or wind surge
were going to rise or fall.

Light clouds causing a faint glow. Some light clouds
were also appeared. Clouds rising - west of ...
at 22.0 ST! Shade closed. Opened at 22.14
22.15 more clouds - ...
minute. At 22.29 showed red evening horizon up
from center position.

Sky completely filled in at 22.47.

A bad end to a bad week!

281

Date Sunday August 16-17, 1942 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
8125	{ HD 166207	18 04.5	+50 49	I-25	103A-0	^{S&F} 010	+24.2	21 11	21 51	2-7
8126	{ 176707	18 56.5	+50 41	"	"	"	+21.1	21 53	22 23	2-8
8127	{ 184786	19 31.0	+49 02	"	"	"	+24.2	22 25	23 19	3-1
8128	{ 195820	20 28.5	+51 58	"	"	"	+24.2	23 22	23 56	3-2
	203630	21 18.4	+49 53	"	"	"				

Cloudy most of day. Clearing late afternoon. Some clouds
early evening. Clearing again around dawn.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS												
21 ⁵¹	07 W	+50 51	1-2	7.35 KO	1 1/2 1 1/2												
22 ⁵²	047 W	+50 47	1-2	7.17 G5	1 1/2 1 1/2												
23 ¹⁹	07 W	+49 12	1-2	7.54 Mb	1 1/2 1 1/2												
23 ⁵⁸	048 W	+52 10	2	7.27 KO	1 1/2 1 1/2												
				7.28 KO													
					Light clouds briefly over field. Thinning out of last half of exp!												
					Some haze												
					Too thick.												
					Haze becoming thicker - more widespread.												
					Fairly strong across visible thru the haze and clouds in N sky, much of evening. Specially strong 22 ⁰⁰ -23 ⁰⁰ .												
					<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>SW</td> <td>MT</td> <td>ST</td> </tr> <tr> <td>Aug. 17</td> <td>-58.8</td> <td>-2 09.0</td> <td>-19.3</td> <td>+03.4</td> <td>-0.1</td> </tr> </table>		MC	SC	SW	MT	ST	Aug. 17	-58.8	-2 09.0	-19.3	+03.4	-0.1
	MC	SC	SW	MT	ST												
Aug. 17	-58.8	-2 09.0	-19.3	+03.4	-0.1												

283

Date Monday, August 17-18, 1942 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
8129	HD 156284	17 11.6	+23 52	I-25	103A-0	^{cut} 010	+24.0	20 05	20 37	2 3-2
8130	161815	17 42.6	+38 56	"	"	"	+24.0	20 40	21 28	3-2
8131	173833	18 42.3	+18 36	"	"	"	+23.9	21 32	22 14	1-2
8132	184884	19 31.4	+10 55	"	"	"	+23.9	22 17	22 39	1-2
8133	186776	19 41.4	+40 28	"	"	"	+23.9	22 43	23 33	2-2
8134	196134	20 30.3	+41 25	"	"	"	+23.9	23 36	00 12	2-8
8135	209720	21 12.7	+41 50	"	"	"	+23.8	00 16	01 00	2-2
8136	212047	22 16.4	+26 26	"	"	"	+23.9	01 05	02 15	3-2
8137	221776	23 29.9	+37 29	"	"	"	+23.9	02 19	03 16	4-2
8138	1075	00 09.9	+30 59	"	"	"	+23.9	03 20	04 30	4-2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20 ³⁷ 2-	0 50 W	+23 52	1-2	7.17 K2	1 1/2 1 1/2 1 1/2 Brilliant meteor (or flare) 30" drift is almost vertically
21 ²⁸ 3-	1 0 W	+38 59	1-2	7.51 K0	1 1/2 1 1/2 1 1/2 from h=25° to h=5°?; slightly S of E; mag -8?; duration 1/2 s
22 ¹ 1-	0 55 W	+18 43	1-2	7.45 K5	1 1/2 1 1/2 1 1/2 Seeing very variable
22 ³⁹ 1-	0 3 N	+11 05	1-2	6.59 A2	1 1/2 1 1/2 1 1/2 Light haze
23 ³² 2-	1 17 W	+40 39	2	7.79 Ma	1 1/2 1 1/2 1 1/2
01 ² 2-	1 07 W	+41 40	2-3	7.43 K0	1 1/2 1 1/2 1 1/2 Light haze
01 ⁰¹ 1-	1 12 W	+42 05	2-3-1	7.60 K0	1 1/2 1 1/2 1 1/2
02 ⁶ 3-	1 50 W	+26 46	0-1-2	7.85 Mu	1 1/2 1 1/2 1 1/2 Seeing very variable
02 ¹⁶ 4-	1 10 W	+37 47	1-2	7.52 K5	1 1/2 1 1/2 1 1/2
04 ⁰¹ 4-	1 44 W	+31 18	1-2	7.99 K5	1 1/2 1 1/2 1 1/2

	MC	SC	SW	MT	ST
Aug 18 12	-60.0	-2 ^m 09.6	-24.9	+02.2	-0.1 ^m
19 12	-60.8	-2 09.9	-22.7	+00.4	-0.2 ^m
21 12	-62.8	-2 10.9	-36.3	$\bar{\Phi}$ 01.7 ^s	-0.3 ^m

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Date Sunday 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
8139	HD 162774	17 47.6	1° 20'	I-S	E103a-0	010	+20.9	7 51	8 51	1	50° W
8140	HD 172424	18 35.0	7 16	"	"	"	20.8	8 55	9 55	1	06 W
8141	HD 186998	19 42.5	24 53	"	"	"	20.6	10 30	11 14	2	19 W
8142	HD 197249	20 37.4	17 "	"	"	"	20.4	11 18			
8143	HD 3411	00 31.9	23 28	"	"	set "	18.6	2 10	3 10	1	2 W
8144	HD 8375	01 17.9	33 43	"	"	"	18.6	3 16	4 06	1	26 W
8145	HD 18339	02 51.7	38 13	"	"	"	18.5	4 12	4 52	2	26
	Focus Test		Outside	through base			63 -18.6			2	
			Focus	23 40							
			Felt	23.15							

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Date Monday, August 24-25, 1942 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.	Error Angle End
8146	HD 161369	17 40.1	+44 08	I-25	E-103A-0	sat 010	+18.2	19 46	20 07	3-
8147	168009	18 12.7	+45 10	"	"	"	+18.2	20 52	21 22	1-
8148	176844	18 57.1	+40 33	"	"	"	+18.2	21 24	22 44	4-
8149	Y 246	19 41.5	+10 22	"	"	"		22 47:00	22 54:00	4-
8150	Y 246	19 41.5	+10 22	"	"	"		22 50:40	22 53:00	1-
8151	HD 198236	20 43.9	+69 23	"	"	"	+18.3	22 57	23 45	1-
8152	215349	21 29.6	+45 25	"	"	"	+18.3	23 48	00 43	1-
8153	219310	23 09.7	+23 34	"	"	"	+18.2	00 52	01 44	2
8154	1419	00 13.2	+10 39	"	"	"	+18.2	01 48	02 23	3
8155	7724	01 11.9	+31 14	"	"	"	+18.2	02 32	03 42	3
8156	14373	02 14.2	+29 45	"	"	"	+18.2	03 46	04 46	4-

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21 ⁵⁷	1 00 W	+44 11*	0-1	7.64 K2	1½ 1½ 1½ } Transparency good; seeing variable.
21 ³⁵	1 01 W	+45 12	1	6.86 G0	1½ 1½ 1½ } * Set due micrometers back to 44 07:
22 ⁴⁴	1 02 W	+40 37	1	8.12 Ma	1½ 1½ 1½
22 ⁰⁰	1 00 W		1	3.87 K2	1½ 1½ 1½ } 2nd. mic. set.
22 ⁵⁷	1 03 W		1	3.87 K2	1½ 1½ 1½
23 ⁰⁰	0 54 W	+69 33	1	7.52 K0	1½ 1½ 1½
01 ⁰⁰	1 10 W	+45 36	1	7.63 K2	1½ 1½ 1½
01 ⁴⁰	0 27 W	+23 46	1	7.49 K0	1½ 1½ 1½
02 ⁰⁰	0 07 W	+10 03	1	7.20 K0	1½ 1½ 1½
02 ⁰⁰	0 22 W	+31 28	1	7.86 K0	1½ 1½ 1½
04 ⁰⁰	0 22 W	+45 37	1	7.60 K0	1½ 1½ 1½

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Date Tuesday Aug 25-26 1942 A-L-No 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
8157	HD 161832	17 42.7	39 22	T-25	E-1030-0	^{ret} .010	20.0	19 57	20 22	55°W
8158	HD 168009	18 12.7	45 10	"	"	.010	20.0	20 31	21 11	54°W
8159	HD 176844	18 57.1	40 33	"	"	"	20.0	21 17	22 21	19°N
8160	HD 193217	20 14.0	42 24	"	"	"	20.0	22 25	22 55	3°W
8161	HD 203857	21 19.7	36 55	"	"	"	20.0	23 06	23 36	2°W
8162	HD 206731	21 39.0	49 08	"	"	"	20.0	23 40	24 00	19°N
8163	HD 212988	22 23.2	31 20	"	"	"	20.0	00 06	01 30	4°

August 25, 1942 Tests of transparency of I-12 $\frac{1}{2}$ lens, coated
 of. May 7 7E10 T1,2,3. E-1030-0

- T-1 Spot sensitometer; lens coated in much exactly as above. Automatic
 of 1 with lens; end spots nearest edge of plate } These points are
 of 2 with lens; end spots farther from edge of plate } apparently opposed
 may plate.
- T-2 Same as above

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
22 22	0 35 W	39 20	3	7.56 K ₆	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	
	0 54 W	45 14	1-0-2	6.86 G ₀	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	fair clouds - towards end of frame clouds
22 2	1 19 W	40 36	2-3-1	8.12 M ₂	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	Clear sky. Total light from moon - 22 0
22 1	0 37 W	42 32	3-2	7.52 K ₃	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	203827 S
22 3	0 12 W	37 08	3	7.77 K ₅	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	203784 also in field checked before <input checked="" type="checkbox"/> W.F.) E 203784 N
24 5	0 19 W	49 20	3	7.12 K ₆	$1\frac{1}{2} - 1\frac{1}{2} - 1\frac{1}{2}$	
0		31 34		7.33 K ₂	$1\frac{1}{2} - 1\frac{1}{2}$	- considerable haze - thin clouds coming in from N.W. - barely able to see star in slit. checked at 00 20
Wednesday - Aug 26-27 A-L						
Cloudy all night.						

Cloudy until 945 DST. Clouds again at 10.00 DST.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 21 50	0 26 W	48 03	3	6.84 A ₅	1 1/2 - 1 1/2 - 1 1/2	Low. light, glass. Clouds from top.
22 23	0 38 W	51 42	3-2	7.63 A ₂	1 1/2 - 1 1/2 - 1 1/2	Clouds occasionally. but really
1 23 23	0 49 W	14 31	1-2	7.73 A ₂	1 1/2 - 1 1/2 - 1 1/2	considerable haze
1 23 15	0 56 W	20 59	2	7.80 K ₃	1 1/2 - 2	clouds between exposures 2053.51 also info during exposure -  ✓ sky filled in completely with heavy clouds at 60 10m. E.S.T.

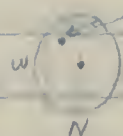
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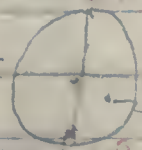
Date Saturday, August 29-30, 1942 H-No. Julian Day

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
8168	HD 162734	17 47.4	+15 22	I-25	E 103a-0	set 010	+22.5	19 32	20 00	
8169	163840	17 53.2	+24 01	"	"	"	+22.5	20 03	20 19	
8170	168323	18 14.0	+23 15	"	"	"	+22.5	20 21	21 07	
8171	176541	18 55.7	+22 40	"	"	"		21 09	21 52	
8172	189942	19 57.5	+36 49	"	"	"	+22.5	21 55	22 31	
8173	196614	20 33.4	+17 55	"	"	"	+22.4	22 24	23 13	
8174	204585	21 24.5	+21 45	"	"	"	+22.4	23 21	23 55	
8175	205659	21 31.9	+29 27	"	"	"	+22.4	23 58	23 36	
8176	214313	22 32.2	+33 29	"	"	"	+22.3	00 42	01 20	
8177	221491	23 27.5	+29 25	"	"	"	+22.2	01 21	01 40	
8178	224870	23 56.3	+49 25	"	"	"	+22.2	01 45	02 09	
8179	275136	23 58.7	+66 09	"	"	"	+22.3	02 19	03 01	
8180	2952	00 27.7	+54 21	"	"	"	+22.5	03 06	03 26	
8181	4321	00 40.6	+54 45	"	"	"	+22.3	03 36	03 06	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20	24 W	+15 21	3	7.54 K0	1/2 1/2 1/2
	25 W	+23 59	3	6.92 G0	1/2 1/2 1/2
	26 W	+23 14	3-2	7.90 K5	1/2 1/2 1/2
	27 W	+22 44	3-2	7.76 Ma	1/2 1/2 1/2
	28 W	+36 56	2	7.39 K0	1/2 1/2 1/2 slight haze
	29 W	+17 05	2	7.62 K0	1/2 1/2 1/2 slight haze
	30 W	+21 56	3	7.53 M6	1/2 1/2 1/2
	31 W	+23 49	3-2	7.47 K0	1/2 1/2 1/2 slight haze
	32 W	+35 22	3-2	7.68 K5	1/2 1/2 1/2
	33 W	+34 38	2-3	6.55 A0	1/2 1/2 1/2
	34 W	+49 39	3	7.36 K0	1/2 1/2 1/2
	35 W	+66 24	3	7.97 Ma	1/2 1/2 1/2 only star in field but with K0 10K
	36 W	+54 34	3	7.14 K0	1/2 1/2 1/2
	37 W	+54 58	3	6.58 A2	1/2 1/2 1/2 E W finder field. dense fog spreading over field. believe to be 4222

NOTE
 } nothing on plate.
 (Developed wrong side up. Possibility in
 holder wrong?)

? 214200

 another star in field
 make inside copy
 for printing



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Date Sunday August 30-31, 1942 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
8182	HD 159926	17 32.2	+28 14	I-25	E-103a-0	Set 010	24.6	19 33	20 31	11-
8183	172958	18 37.9	+31 31	"	"	"	24.6	20 33	21 01	4-8
8184	174369	18 45.1	+24 56	"	"	"	24.6	21 03	21 29	1-
8185	184958	19 31.8	+70 47	"	"	"	24.5	21 34	22 15	-
8186	193944	20 17.9	+53 16	"	"	"	24.6	22 22	23 12	-
8187	205040	21 34.3	+53 36	"	"	"	24.5	23 15	23 45	-
8188	206509	21 37.4	+54 25	"	"	"	24.6	23 47	00 23	3-
8189	211029	22 09.3	+62 45	"	"	"	24.5	00 25	01 12	3-
8190	217314	22 34.8	+52 06	"	"	"	24.4	01 19	02 03	-
8191	234734	23 33.5	+53 51	"	"	"	24.3	02 57	03 47	-
8192	4531	00 45.8	+51 02	"	"	"	24.4	02 51	03 17	1-
8193	6497	01 00.0	+56 24	"	"	"	24.3	03 20	04 12	-
8194	15321	02 05.2	+55 11	"	"	"	24.3	04 11	05 00	2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20	1 14 W	+28 14	1	7.66 K5	1/2 1/2 1/2
21	0 38 W	+31 34	1-0	6.47 A0	1/2 1/2 1/2 seeing becoming very variable.
21	0 59 W	+24 59	1-0	6.56 A0	1/2 1/2 1/2 " " "
22	1 01 W	+70 52	1	7.32 K2	1/2 1/2 1/2
23	1 12 W	+52 25	1	7.56 K5	1/2 1/2 1/2
00	0 27 W	+53 47	1-2	6.98 G5	1/2 1/2 1/2
01	1 01 W	+54 37	1-2	7.16 K0	1/2-1/2-1/2 Light haze
01	1 00 W	+53 01	1-2	7.41 Ma	1/2-1/2-1/2
02	1 00 W	+52 19	1-2	7.48 K2	1/2-1/2-1/2
02	1 00 W	+59 14	1-2	7.37 K0	1/2-1/2-1/2
02	1 00 W	+51 16	1-2	6.24 A0	1/2-1/2-1/2
04	1 00 W	+50 38	1-2	7.18 K0	1/2-1/2-1/2
05	0 57 W	+55 57	1-2	7.70 K0	1/2-1/2-1/2 Haze and light clouds for last 10 min. strong
					<hr/> MC SC SW MT ST Aug. 31 12 -1 10.5 -2 16.8 -1 09.2 -03.4 -0.7

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Date Monday, August 31 - September 1, 1942 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
8195	HD 162734	17 47.4	+15 22	I-25	E-103a-0	Set 010	+25.7	19 28	20 22	3-2
8196		17 53.2	+24 01	"	"	"	+25.8	20 24	20 52	3-2
8197		18 56.8	+19 10	"	"	"	+25.7	20 55	21 35	4-2
8198		19 33.2	+50 01	"	"	"	+25.7	21 39	22 11	4-2
8199		20 04.5	+67 45	"	"	"	+25.7	22 14	23 06	1-2
8200		20 43.5	+52 38	"	"	"	+25.8	23 09	23 45	1-2
8201		21 55.9	+62 13	"	"	"	+25.5	23 49	00 20	2-2
8202		22 40.7	+51 59	"	"	"	+25.5	00 33	01 33	2-2
8203		23 37.7	+61 07	"	"	"	+25.5	01 37	02 13	3-2
8204		01 01.2	+52 58	"	"	"	+25.5	02 16	02 52	3-2
8205	10 110	01 33.8	+53 22	"	"	"	+25.5	02 52	03 37	4-2
8206	14 133	02 32.2	+50 01	"	"	"	+25.5	03 28	04 05	4-2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
20	53 W	+15 21	1-2	7.54 K0	1/2 1/2 1/2	(Find shortening to Havers) triple beam
20	17 W	+24 00	1-2	6.92 G0	1/2 1/2 1/2	triple beam
35	57 W	+19 14	2	7.51 K0	1/2 1/2 1/2	triple beam
38	57 W	+50 06	2-3	7.41 G5	1/2 1/2 1/2	N.B. HD 185395 (4.6) in field. triple beam
23	23 W	+67 53	2-3	7.91 Ma	1/2 1/2 1/2	good
45	21 W	+52 47	2	7.43 K0	1/2 1/2 1/2	triple beam
23	53 W	+62 00	2-1	7.51 M0	1/2 1/2 1/2	good
23	18 W	+52 11	2-1	7.73 K2	1/2 1/2 1/2	good
6	2 W	+61 00	2-3	7.61 K2	1/2 1/2 1/2	triple beam
20	20 W	51 12	2-3	7.40 K0	1/2 1/2 1/2	Seeing variable triple beam
07:40	20 W	47 33	2-3	7.71 K2	1/2 1/2 1/2	triple beam
1	11 E	41 00	2-1	7.70 K5	1/2 1/2 1/2	Seeing variable triple beam

	MC	SC	SW	MT	ST
Sp.1	-1 10.8	-2 17.7	-1 11.5	-03.5	-0.4 ^m

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Date Tuesday Sept 1-2 1942 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.	Star Angle End
8207	HD 167304	18 095	41 08	I-25	E103a-0	010	+25.8	7 28	7 52	1 W
8208	" 176939	18 575	24 53	"	"	"	25.7	7 57	8 37	2 W
8209	" 176981	18 576	8 14	"	"	"	25.7	8 41	9 13	2 W
8210	" 182488	19 198	33 01	"	"	"	25.5	9 19	9 39	2 W
8211	α Cygni	20 38.0	44 55	"	W, M	"		9 45	9 46	1 E
8212	α "	"	"	"	"	"		9 48	9 50	1 E
8213	HD 186532	19 399	55 13	"	E103a 0	"	25.6	10 00	10 50	3 W
8214	HD 197812	20 409	17 44	"	"	"	25.7	10 56	00 26	
8215	" 221662	23 289	20 18	"	"	"	25.5	00 31	01 21	
8216	" 225276	23 398	26 20	"	"	"	25.5	01 23	02 09	
8217	" 6480	01 007	04 22	"	"	"	25.5	02 14	03 46	
8218	" 12872	02 01.0	07 46	"	"	"	25.5	03 30	05 00	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
7 52	5 ^m W	41 07	3	7.36 K0	1/2-1/2-1/2	3 } lens heavy
8 37	2 ^m W	24 55	3	7.99 K2	1/2-1/2-1/2	8 } good
9 13	37 ^m W	8 16	2-3	7.69 K2	1/2-1/2-1/2	3 } good
9 30	42 W	33 06	3	7.50 K0	1/2-1/2-1/2	8 } type? lens heavy
9 50	30 E		"	1.3 Azp	12	no filter }
9 50	26 E		"	"	15	lens heavy
10 50	34 W	55 20	2	7.87 Mb	1/2-1/2-1/2	3 } 1.7 filter in + 1/2 lens
0 2	17 W	17 53	2-3	Var Mb	1/2-1/2-1/2	8 } good
1 21	13 W	20 32	2	7.64 Ma	1/2-1/2-1/2	good
0 2	30 W	26 20	2	7.59 K2	1/2-1/2-1/2	good
0 2	09 W	04 35	2.1	7.90 F2	1/2-1/2-1/2	+ 1/2 lens
1 2	23 W	07 58	2.1	8.01 Mp	1/2-1/2-1/2	good

	MC	SC	SW	MT	ST
Sep. 2	-1 12.7	-2 19.4	-1 13.5	-03.8 ^m	-0.4 ^m
3	-1 12.5	-2 19.0	-1 13.7	-04.4 ^s	-0.5 ^m
4	41				

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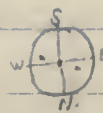
Date Thursday, September 3-4, 1942 H-No Julian Day

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
8219	HD 160950	17 37.7	+43 31	I-25	E-103a-0	^{set} 010	+19.6	19 26	20 38	3-2
8220	173416	18 40.1	+36 28	"	"	"	+19.6	20 41	21 31	3-8
8221	187038	19 42.7	+32 38	"	"	"	+19.5	21 34	22 26	4-2
8222	196379	20 31.9	+51 31	"	"	"	+19.5	22 31	22 59	4-8
8223	203630	21 18.4	+29 53	"	"	"		23 04	23 56	2-8
8224	213644	22 27.9	+15 20	"	"	"	+19.2	00 01	00 47	2-8
8225	221113	23 24.1	+22 31	"	"	"	+19.1	00 51	01 43	3-8
8226	22A303	23 51.6	+22 05	"	"	"	+19.1	01 46	02 42	3-8
8227	6953	01 04.9	+24 56	"	"	"	+19.1	02 46	03 22	4-8
8228	11928	01 52.0	+27 18	"	"	"	+19.0	03 26	04 06	4-8
8229	15152	02 21.3	+26 38	"	"	"	+19.1	04 16	04 56	5-8
8229F	Focus 23.40 Tel 23.15			Plate holder 3	Exp. 6 ^s 5					
					Settings 0.5	3.5	6.5	9.5		

clouds all day, clearing before sunset

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Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20 38	1 32 W	+43 30	0	7.67 K0	1 1/2 1 1/2 1 1/2
21 31		+36 32	0	7.25 K0	1 1/2 1 1/2 1 1/2 Very transparent
22 20	1 15 W	+32 45	0	7.25 K2	1 1/2 1 1/2 1 1/2 Scattered clouds 21 ⁵⁰ -22 ⁰⁰
22 57	1 00 W	+51 39	0	6.54 F0	1 1/2 1 1/2 1 1/2
23 02	0 59 W	+30 04	0-1	7.28 K0	1 1/2 1 1/2 1 1/2
00 47	0 51 W	+15 33	1-2	7.36 K0	1 1/2 1 1/2 1 1/2
01 43	0 50 W	+22 43	1-2	7.45 K0	1 1/2 1 1/2 1 1/2 seeing variable
02 46	1 22 W	+22 20	1-2	7.65 Ma	1 1/2 1 1/2 1 1/2
03 24	0 48 W	+25 11	1-2	7.24 K5	1 1/2 1 1/2 1 1/2 seeing variable.
04 06	0 46 W	+27 31	1-2	7.37 Mb	1 1/2 1 1/2 1 1/2 " "
05 00	1 06 W	+26 46	1-2	7.36 K5	1 1/2 1 1/2 1 1/2



two other stars in finder. both fainter than one in good cross wires.

Having opened slide (setting 2-2) I checked the declination and found it had set it about 25' N. I then reset telescope and got proper star at 2-8 on plate
 = seeing variable.

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Time Ending Time
: E.S.T.

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35 feet 641 stars
400 plates taken up to June 12¹³ inclusive
7 and star 54 plates
365 stars on this list.