

1
Focus - centre to violet - shorten the focus - increase micrometer reading.

13

Temp.

Temp.

Angle
Ind

Decl.

me Temp.....

Transparency Conditions.....

us.....

me Temp.....

ur Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

David Dunlap Observatory
 74" Logbook
 Vol. 24
 Plate Nos 21266 - 22319
 May 1954 - May 1955

Dome Temp. 57°F

Transparency Conditions Good

Focus 12-923

Showed XCV_n to 500 visitors; also Saturn, D, Jupiter in small PASC telescope

Dome Temp. 57°F

878

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 44	2 07 W	+44° 57'	1	9.57	F6	1-1-1	off 2; KAES-33	fair
03 00	3 26 W	+45 21	1 1/2	9.68	F8	1-1-1	" 8 KAES-34	fair
03 37	0 48 W	+61 23	1	7.26	A3	4-4-3	" 2 K.A. 18" x 8" suppl.	good
						10-7	" 11	

Planetary gear in R.A. slow motion mechanism seized. G. Longworth got it to move again by liberally applying oil.

I had close the shutters by hand. Pushing the "reset" button did no good.

I WAS NOT ABLE TO RETURN THE CLUTCH TO THE POSITION FOR THE MOTOR DRIVE.

Hd + L fixed fairly well on Sun.

Date Sum. Mon. May 16-17, 1954 Observer O - Hvr Julian Day 2434879
 055 29 51.6 3466.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21269]	HD 86986	9 57.1	+15 02	T-12	E103a0	.016	+19.2	21 41	22 11	3
21270]	HD 114762	13 07.5	+14 02	"	"	"	+19.2	22 15	22 39	3
21271]	HD 121648	13 51.6	+26 25	"	hi speed	.008	+19.2	22 44	23 10	1
21272]	HD 122080	13 54.5	+26 18	"	"	"	+19.2	23 13	23 49	1
21273 }	HD 123033	14 00.2	+26 18	"	"	"	18.8	23 51	00 51	2
21274 }	" 157702	17 19.7	+18 56	"	"	"	19.6	00 59	01 59	"
21275 }	AG 12426	21 18.3	+30 15	"	E103a0	"	19.8 19.5	02 12	04 00	"
	<i>Focus Test</i>				<i>0.7B</i>					

Dome Temp. +58°F

Transparency Conditions Clearing about 21:00

Focus 12.923

Dome Temp. 47°F

879

51-6 3467

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 11	3 30 W	+14 48	0	8.1	A12	1-1-1	Set 2. hi vel	fine
22 39	0 48 W	+17 45	0+	8.2	F7	1-1-1	8 Stand Vel	strong
23 10	0 35 W	+26 10	0	6.97	F0	4-4-4	" 2 K.A. Supp. Zone 58	fine
23 49	1 11 W	+26 03	0	7.15	A5	4-4-4	" 8	good.
00 51	02 08 W	+26 04	00	7.25	F5	4-4-4	" 2 " " "	fine
01 59	00 03 E	18 52	00	7.48	A0	4-4-4	" 8 " " 85	fine
04 00	02 00 E	30 31	00	8.91	K0	2-2-2	" 2 AG 25	good
						P/6	" 8	cont to videt

3 P.H. 103 a0 Plates Needed.

	MC	SC	S	MTW	STW	SW ^m	ME
Mag 17	+22.8	+43.5	+45.3	-1 ^m 34.4	-1.4	+0.3	+0.8

9

M/n = JOHN MARTIN

enolubnoD yenoisqnaT

Date MON-TUE MAY 17-18 1954 Observer MR, Mn - HV Julian Day 2434880

056 27 38.3 3465.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21276	HD 97420	11 ^h 07.6	+59° 41'	I-12 1/2	103a-0	set 016	+14.40	21:03	22:33	1
21277	HD 136244	15 14.5	+60 29	"	"	"	+14.4	22:40	23:50	1
21278	HD 135721	15 11.5	+60 19	"	"	"	+14.4	23:56	01 56	2
21279	" 136617	15 16.6	59 53	"	"	"	14.4	02 01	03 55	2
	Zons. Test		O.P.B.							

Dome Temp. +51°F

Transparency Conditions *Excellent*

Focus 12.924

Dome Temp. 44°F

880
383 3453

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22:33	+59° 22'	0+	9.32	F6	1-1-1	KAFS-13-124; Set 2	<i>fine</i>
23:00	+60 16	1-	9.08	K3	1-1-1	KAFS-15-138; Set 8	<i>fine</i>
01:56	+60 06	0	9.60	A8	1-1-1	KAFS-15-134; Set 2	<i>fine</i>
03:55	59 40	0	9.75	K5p	1/2-1/2-1	" " -140 " 8 Looks a little brighter than 9.7	<i>fine</i>
					4/3	" " " 5 <i>cont to violet</i>	

1 PH + 12 E103 a0
H on M.

Dome Temp. +46° F

Transparency Conditions Good

Focus 12:904

About 20 boys from church group. Showed slides and demonstrated telescopes and showed 4-inch N.

Dome Temp. +40° F

EAL

34639

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 45 3	4 38 W 58 07	0	9.7	G0	1-1-1	Ro Hi Vel Set 2 Hard to wait this long to be sure of field	weak
23 42 4	1 39 W 59 11	0-1	8.36	F8p	2-2-2	KAFS area 14 #133, set 2 ⁵ (false start outside slit)	fine
01 07	1 21 W +59 41	1	9.45	F5	1-1-1	KAFS " 15 #135, set 9. Light from lamps over clocks filled guiding eyepiece for at most 10 minutes.	fine
02 52	3 05 W +59 35	1	9.69	G8	1-1-1	KAFS " 15 set 2.	fine
04 03	3 41 W +45 05	0-1	9.25	A2	1-1-1	KAFS " 35 set 8	fine
					4-3	set 11	
						Hi on M, 2 P.H loaded with E 103-a-0 + 8	
						MC, SC <u>MTW STM</u> S SW ME May 19: 22.7° +45.2° -1.0° 0.0 +45.2° +45.2° -0.2°	

Date *Wed. Thurs. May 19-20, 1954* Observer *H. M. - H. V.* Julian Day *243488.2*

0582307.5 3462.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
{ 21285	HD 99967	11 ^h 25.0	+47° 12'	I 12½"	E103a-0	set .016	+13.1°C	20:26	00:26	3
{ 21286	B 3673	14 ^h 13.8	+35° 58'	I 12½"	E103a-0	"	12.6	0031	0151	"
21287	B 4129	16 ^h 08.1	+36° 41'	"	"	"	12.6	0157	0351	4
	<i>Focus Test</i>			<i>O.F.B.</i>						

Dome Temp... 53°F

Transparency Conditions... Fair → Poor

Focus... 12.973

Dome Temp... 40°F

82
34627

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0429W	+46° 56'	0	8.0	K ₀	1-1-1	Ho Bin Set 2 Ho. Bin. Haze + thin cloud from midnight	very
03 07W	35 44	0	5.9	K ₁	1-1-1	" " " 8 " "	very
03 13W	36 32	0	6.7	K ₄	1-1-1	" " " 2 " " 0202 Sky Clear	very
					4/3	" 8	cut. to violet

4 P.H. + 4 1030-0
Hom. M.

Dome Temp. +48°F

Transparency Conditions Fair

Focus.....

Dome Temp. 42

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 25 W	44 22	0	9.65	F7	1-1-1	self KAFS, time 322	fair
01 50 W	45 06	0	9.13	F0	1-1-1	8 " " " 256 Windy, Image unstable	fair
03 27 W	29 44	0	9.99	F5	1-1-1	" 2 " " " 635	good
					4/3	" 8	cont. to visit
2 P.H. + 4 E 103 a 0 Home M. MC SC S MTW STW SW ME +23.9 +44.1 +48.0 -40.0 -0.5 +19.5 -4.3							

Date Fri/Sat. May 21/22 1954 Observer Me-HV Julian Day 2434884

0 60 18 31.6 3460.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
						Set				
21291	HD 105981 B.P.C. 3180	12 06.7	+26 25	I-12 $\frac{1}{2}$	E103a-O	0.016	+15.1	20 26	20 44	3
21292	B.P.C. 4629	18 15.1	+24 24	"	"	"	+15.1	23 22	02 00	3
	<i>Flows</i>	<i>Test</i>	<i>0.7 B.</i>							3

Dome Temp... +5.3°

Transparency Conditions Good

Focus..... 12-9.13 This is the way I found it.

Dome Temp.....

884
6 3404

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+ 26 00	0			1-	False Start. Only star in the field. Set 2. Sidereal Circle ~ 5 ^m slow (but I'm sure I set it correctly)	
2 40W	+ 26 09	1	6.8	K4	1-1-1	set 5 Ho Bin.	strong
0037E	+ 24 25	0	6.5	K4	1-1-1	Set 8 Ho Bin. 0110 Clouds	strong
					4/3	" -/ 0200 Clouds Very Windy	
<p>1 P.H. + 4 E 103 α 0 Horn M.</p>							

Dome Temp. 55° F

Transparency Conditions Cleared at 23:15

Focus 12.912

Dome Temp.

885
0 3459 4

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 38 W	29 43	0	942	F6	1-1-1	alt. K+FS, Hous 625 0130 through clouds clouds & windy	good
			917	G5		8 " 349 Mostly cloudy	
					4/3	8	
						2 PH v. Ter E 163-a-0 + 2	

Date May 23-24/54 Observer L-K-Hv Julian Day 2434886
 062 13 51.4 34584

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21294	BD +60° 1598 Focus Test	15 14.3	+60 08	I-12 $\frac{1}{2}$	E-10340	set 016	20.1	21 09	23 59	1
21295		15 48.6	45.00	"	"	"	20.7	00 34	03 40	1
						0.7B				
<p>May 25, 1954</p> <p>Change to 25" camera - { I-12" Focus was 12.913 (should be 12.933) Tilt was 20.35</p> <p>Set I-25" Tilt set 23.15 Focus set 15.655</p>										
21295 F	Focus Test					Harford 008	16.3			1

Dome Temp. $+64^{\circ}\text{F}$

Transparency Conditions *Good*

Focus *12.9/2*

Dome Temp. 57°F

Time lost: $\frac{1}{2}$ handswitch repaired by h.

86
A 24524

Ending Time
LST.

23 19

03 00

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 10W	59 55	0	9.84	F5	1-1-1	Set 2 KAFS	very bad flexure <i>fine</i>
03 37W	44 50	0	9.67	F3	1-1-1	" 8 KAFS 350 #360	Looks fainter fine
					4/3	" 5 " " 0100	Hazy + cloud
						0300 Sky Better	seeing 1.
						1 P.H. + 2 E103010	
						Hon. M.	

Mon. May 24: Clouded in shortly after sunset. Never clear enough to get a plate - Ho:K

outside this base 10/7

MC SC S MTW STW SW ME.

$+24^{\circ}2 + 44^{\circ}2 + 50^{\circ}4 + 56^{\circ}6 + 0.4 + 18^{\circ} - 4.2$

Tues

Date May 25-26/54 Observer Ad - Ma Julian Day 2434888

① 64 09 07.2 3456.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	
21296	β C Vn	12 29.0	41 54	I-25	E103a0	008	17.0	20 41 ⁴⁵	20 43	2	
								20 44	20 46 ³⁰		
								20 47	20 52		
21297	HD 103095	11 47.2	38 26	I-25	E103a0	1008	17.00	21 02	21 50	3	
21298	10 C Vn	12 40.3	3 ⁹ 49	"	"	"	17.0	22 44	23 08	4	
21299	HD 122742	12 58.6	11 17	I-25	"	"	16.8	23 16	23 56	1	
											300
21299	η Cr B	15 19.1	30 39	"	"	"	16.8	00 02	00 14	1	
21301	χ Herculis	15 49.2	+42 44	"	"	"	"	00 31	00 35	2	
								+16.7	00 36		00 44
									00 44		01 00
21302	γ Serpentis	15 51.8	+15 59	"	"	"	"	01 07	01 09	3	
									01 10		01 14
								+16.7	01 15		01 23
21303	72 Herculis	17 16.9	+32 36	"	"	"	+16.7	01 36	01 54	4	
21304	HD 176051	18 53.3	+32 46	"	"	"	+16.7	02 00	02 16		

continued on following page.

Dome Temp... 52 F

Transparency Conditions Good

24

Focus... 15.667

Dome Temp.....

-888
2 24516

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			4.88	G0V	—	Set 1 O's Lum *	
					—	" 5	
W 15 ^{2h}		0			6-6	" 9	
W 1 53	38 04	0	7.24	G8TP	4-4-4	Set 2 " "	Suspicious that focusing not working fine Found focusing belt broken. 7 had Lwh but needs replacing.
W 2 20	39 32	0	6.5	F8	4-4-4	" 2 " "	Lwh
W 1 49	11 01	0	6.8	G5	4-4-4	Set 2 " "	fine
0 47W	30 28	0	5.6	G0	4-4-4	Set 8	star is not double (poor seeing)
	+ 42 35	0	5.16	F9V	4-4-4	" 1	fine
0 48W					4-4-4	" 5	fine
1 04W					4-4-4	" 9	
			4.33	F0V	12	" 1	
					12	" 5	fine
1 24W	+ 15 49				4-4-4	" 9	
0 31W	+ 32 30½	0+	6.0L	G0V	4-4-4	" 2	
0 44E	-132 50	0	5.7	G0V	4-4-4	" 8	

Note that first 3 photos developed.

Date Tues.-Wed. May 25-26 1954 Observer Mo Julian Day 2434.888

(continued)

© 64 09 07.2 3456.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21305	MWC 310									
	HD 177648	19 00.5	+23 11	I-25	E103-0	0.008	+16.7	02 30	03 00	1
21306	MWC 312									
	HD 180398	19 11.3	+12 56	"	"	"	+16.7	03 05	03 55	
	Focus Test	C.T.B.					+16.7			

Dome Temp.....

Transparency Conditions.....good.....

Focus.....15.667.....

Dome Temp.....+41°F.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality
03 00	+23 15	0	6.9	B3e	4-4-4	Set 2 Be star.		good
03 55	+13 00½	0	7.7	B3e	4-4-4	" 7 Be star		good
					10-7	" 10½		all night

Date Wed-Thurs, May 26-27, 1954 Observer O. K. - Julian Day 2434889

© 65 06 43-B 3455-6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21307	42 Com	13 05.1	+18 03	I-25	E103a-0	Set .008	15.0	20 37 33	20 40 53	1
	"							20 40 55	20 45 54	2
	"							20 46 57	20 50 59	2
21308	B Com	13 07.2	+28 23	"	"	"	15.0	21 06 24	21 09 24	3
	"							21 10 55	21 16 55	3
	"							21 17 51	21 29 51	3
21309	HD 126053	14 18.1	+1 43	"	"	"		21 39	22 29	1
21310	HD 121370	13 49.9	+18 54	"	"	"	+14.8	22 38 05	22 39 35	1
	"							22 40 28	22 49 28	1
	"							22 44 32	22 50 22	1
21311	α Boo	14 11.1	+19 42	"	"	"		22 58 50		1
	"							22 59 35	M 11.1	1
	"							23 0 45	M 11.1	2
	"							23 2 16	23 3 56	2
21312	44 Boo	15 00.5	+48 03	"	"	"	+14.8	23 15 15	23 20 45	3
	"							23 23	23 33	3
	"							23 33	23 53	3

Dome Temp. $+56^{\circ}\text{F}$ Transparency Conditions *Clean*

28

Focus *15.640*

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+17 48	0	4.7	FS	-	Set. 1 θ Luminosity stars	
					6-6	" 5 5 "	<i>fine</i>
0 13 E					-	" 9 12 "	
	+28 08	0	4.86	GO V	-	" 1 3 "	
					6-6	" 5 6 "	<i>fine</i>
0 19 W					-	" 9 12 "	
0 07 W	+1 28	0	6.8	GO	4-4-4	" 5 " "	<i>good.</i>
		0	3.29	GO V	-	" 1 1/2 " "	<i>fine</i>
					12	" 5 3 "	
0 57 W	+18 37				-	" 9 6 "	
	18	0	1.17	K ₂ III	-	" 1 5 ^s " "	
					-	" 4 10 ^s "	<i>fine</i>
					-	" 7 20 ^s "	
0 48 W	+19 24				-	" 10 40 "	
		0	5.3	GO	-	" 1 5 ^m " "	<i>fine</i>
0 49 W	+47 50				12	" 5 10 "	
					-	" 9 20 "	

Dome Temp.....

Transparency Conditions.....good.....

Focus.....

Dome Temp. +43°F

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			0	5.03	G₀ V	-	Est. 1 4m - Okes Luminosity star.	
00 10	0 27W	+07 30				6-6	" 5 8m	fine
00 20	0 43W					-	" 9 16m.	
00 40			0	4.2	G ₀ III-IV	-	" 1 0 Lum.	
00 50						6-6	" 5 "	fine
01 00	0 11W	+39 100				-	" 9 "	
01 10			0	4.20	K ₀ III-IV	-	" 1 " Light inside spectrograph on for part of this exposure	
01 20						6-6	" 5 "	fine
01 30	0 56E	-02 55				-	" 9 " 3 P.H. loaded E 1/2 in box.	
01 40	0 14E	+30 32	0	5.56	F ₈	4-4-?	" 2 "	fine
01 50	1 07E	+11 51	0	5.8	G ₀ IV	4-4-4	" 8 "	fine
02 00	1 04E	+29 47	0	6.4	G ₀ IV	4-4-4	" 2 " May 31 MC SC S MTW STW SW ME +25.4 +44.4 +54.6 -04.8 +0.4 +21.5 -3.4	fine
02 10			0	4.9	F ₅	-	" 1 "	
02 20	1 36E					6-6	" 5 " Star not double.	fine
02 30	1 18E	+09 49 1/2				-	" 9 " A new pencil is needed in the dome.	
02 40						10-7	" 10 1/2 "	all in all

Date *Even. June 21 7/1957* Observer ⁽⁰⁾ *Ho - K* Julian Day *24349.0*
 @ 15 39 22.3 3444.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21320	<i>B.C. Vn</i>	12 29.0	+41 54	<i>I25</i>	<i>E10320</i>	<i>let</i> 008	18.2	20 42 45 ²⁰ 49 ⁰⁰	20 45 48 55	
21321	<i>42 Com</i>	13 05.1	+18 03	"	"	"	(19.0)	21 00 02 04	21 01 04 08	2
21322	<i>HD 103095</i>	11 47.2	+35 26	"	"	"	19.1	21 12	48	3
21323	<i>EVE</i>	12 57.2	+11 30	"	"	"	18.8	53 ³⁰ 54 ²⁵ 56 ⁰⁸	54 56 58	
21324	<i>B Com</i>	13 07.2	+28 23	"	"	"	18.8	22 22 05 ²⁵ 09 ¹⁵	04 ⁵⁰ 09 17	1
21325	<i>η Boo</i>	13 49.9	+18 54	"	"	"	18.5	22 21 ⁵⁰ 22 22 ³⁵ 22 24 40	22 30 23 ³⁵ 26 ²⁰	2

Dome Temp.....

Focus 19.684

Dome Temp.....

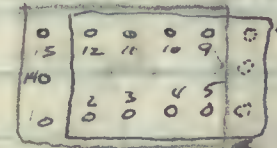
Transparency Conditions

Roost

Sat May 29-30 S. Ho. ...
 JFH mid C. 3 in ...

Jun. 2 MC SC S MTW STW SW ME
 +26.4 +44.3 +56.5 -35.0 0.0 +23.8 -0.9
 Jun 4 +24.7 +43.0 +56.5 -62.3 -0.6 +22 -8.2

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		1	4.9	G0I		OLS-122 1 1/2 - Dec. setting <u>Pool</u>	fine
					12 ^s	5 1/2 3	
01 04W	+41 35					9 6	
	+18 46	1	4.7	F5		" 1 1 Turned off temp control	fine
					12 ^s	5 2	
00 42W						9 4 note re sensitometer spots	
02 40W	+38 02	1-0	7.24	G8Vp	4-4-4	" 1 40 ^s this night: for plates	fine
	+11 13	0-1	3.6	G9III		" 5 80 ^s 21323 - 21335 the spots are different from usual because card was turned end for end. Thus the spots that show are these	fine
					12 ^s	5 2m 40 ^s	
01 40W	+28 06	0-1	4.9	G0V		" 1 2	
					12 ^s	5 4	
						9 8	
01 50W	+18 37	0-1	3.3	G0IV		1 30 ^s instead of these	fine
					12 ^s	5 1	
01 16W						4 2	



Also for plates 21320
 21321
 21322

Date Sun Jun 6/17 Cont'd Observer Ho - K Julian Day 24349.00
 0 75 39 22.3 3444.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21326	γ Boo	13 42.5	+17 57 ⁵⁷	I25	E10920	608	18.2	22 30 ⁵³	22 32 ⁵⁵	8
								22 34 ³⁰	33 ⁵⁵	
								22 39 ¹⁰	46	
21327	HD 122 742	13 58.4	+11 17 ¹⁶	"	"	"	18.2	22 47	23 21	4
21328	κ Boo	14 11.1	+19 42	"	"	"	18.2	23 24		1
								23 25		
								23 25		
²⁹ 21329	θ Boo	14 21.8	+52 19	"	"	"	18.2	23 30 ¹²	22 ¹²	2
								32 ³⁰	36 ³⁰	
								36 ³⁴	44 ³⁴	
³⁰ 21330	δ Ser	15 39.3	+06 44	"	"	"	18.2	23 50 ³⁰	23 57	
								23 51 ³⁰	23 53	
								53 ⁴⁵	56 ⁴⁵	
³¹ 21331	HD 144579	16 01.5	+39 26 ²⁴	"	"	"	18.0	00 01	01 46	1
	HD 145497	16 06.2	+44 58	"	"	"	18.0	01 02	01 52	1
	HD 145497	16 07.2	+44 05	"	"	"	18.0	01 02	01 52	1
	MNC 292	18 17.3	+25 01	"	"	"	18.0	02 13	02 48	2
	HD 168957	18 17.3	+25 01	"	"	"	18.0	02 13	02 48	2

Dome Temp.....

Transparency Conditions Good

Focus.....

Set June 5, 1954 About 30 visitors, Raining

Dome Temp.....

3444.2

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			0-1	4.99	F-V		OLS set 1 2	Reset Temp control
						12 ^s	5 4	fine
01	40W	+17 40					9 8	
02	02N	+11 00	0	6.8	G-5	12 ^s	5	fine
				1.2	K ₂ III		1 4 ^s	
						12 ^s	5 8 ^s	fine
01	55W	+19 25					9 16 ^s	
		+52 04		4.6	F5		1 2	strong
						12 ^s	5 4	
02	04W						7 8	
		+06 34		3.8	K ₂ III		1 45 ^s	
						12 ^s	5 1 1/2	fine
00	54W						9 3 ^m	
01	25W	+39 15	0	7.4	G-8	4"-4"	5 45 ^m	fine
				9.24	K ₂			
02	27W	+44 52	0	7.5	K ₁ III	4-4-4	5 50 ^m	check dec. too weak
01	11W	+25 02	0	6.9	Bse	4-4-4	2 35 ^m	fine

Dome Temp.....

Transparency Conditions *Good*

Focus.....

Dome Temp..... *55*

3444-2

Ending Time
E.S.T.

03 40

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 30W	+59.57	0	6.9	Bse	4-4-4	Set 8 35 ^m	<i>for all night</i>
					10-7	Set 5	
						4 PH Loaded	
						E103a-0	
						Plates needed	

Date Mon-Tue June 7/8 1954 Observer MR - HV Julian Day 243490

© 76 36 46.5 3443.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21335	HD 110833	12 39.8 ⁸	+52 19	I-25	E 103-a-0	sel 008	+21.6	21 22	22:32	4
21336		14 48.9	+19 32 ⁴	"	"	"	"	22:42	23:07	"
21337		EBuo	14 46.8	+19 31	"	"	"	+21.8	23:19:35	23:22:05
								23:22:30	23:27:30	"
								23:27:40	23:37:40	"
21338	44B00	15 00.5	+48 03	"	"	"	+21.7	23:44:45	23:47:45	2
								23:48:00	23:54:00	"
								23:54:15	00:06:15	"
21339	HD 154345	16 59.8	47 12 ¹	"	"	"	21.8	00 11	01 01	3
21340	" 174886	18 47.7	-10 21	"	"	"	21.7	01 09	02 09	4
21341		MWC 320	19 41.3	05 44	"	"	"	21.8	02 42	03 55
	<p style="text-align: center;"><i>Focus Test</i> <i>07.13</i></p>									

Dome Temp. 62°F

Transparency Conditions

Focus 15.740

Cas. mirror not focusing. Found 1 wire to motor broken. Fixed temporarily - should be fixed better.

Dome Temp. 59°F

901
46.5 3443

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22:32	+52 01	0	7.8	K3	4-4-4	set 2 OLS	fine
23:17	+19 19	0	6.8	K1V	4-4-4	set 8 "	fine
00:15	+19 15	0	5.2	G8V	-	set 1 " 2 1/2"	
					12	set 5 "	fine
					-	set 9 10	
11:32	+47 49	0	5.3	G0	-	set 1 " 3	
					12	set 5 6	fine
					-	set 9 12	
01:50 W							
00:46 W	47 06	0	7.5	G9	4-4-4	" 2 " 50m	fine
00:25 W	-10 17	0	8.1	B3c	4-4-4	" 2 Hd. Be Prog.	fine
00:45 W	+05 53	0	8.5	B5ne	4-4-4	" 9 " " "	weak
					10/7	" 5	all mpt

3 P.H. TP

Hum M.

June 7	Mc +3 20.0	SC 151.8	MTCW 5 +27.8	STW 4 +4	S 5 +66.3	S-CW 5 +38.3	ME 5 -5.2
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Date Tues June 8-9/54 Observer Had - M. u. Julian Day 24349.02
 (Proc) (Blk)
 @ 77 34 09.6 3442.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21342	δ Vir.	14 23.0	-1 47	I-25	E103a0	008	+24.1	20 43 20 46 20 52 ^{1/2}	20 46 20 52 21 04 ^{1/2}	1
21343	HD 128429	14 31.7	-11 53	"	"	"	+24.2	21 10	22 34	2
21344	HD 135204	15 08.8	-0 58	"	"	"	+24.0	21 40	23 00	3
21345	HD 136064	15 13.5	+67 44	"	"	"	+24.0	23 06 23 15 23 22	23 14 22 31 23 20	4
21346	χ Her	15 29.2 ⁹	+42 44	"	"	"	+23.6	22 45 22 47 22 51	22 47 22 51 22 50	1
21347	ζ Her	16 37.5	-21 47	"	"	"		0 08 0 09 0 10 30	0 08 30 0 10 0 12 30	2
21348	HD 166620	18 06.7 ⁴	+38 27	"	"	"	+24.0	0 26	1 16	3
21349	HD 182488	19 19.8	+33 01	"	"	"	+24.0	1 24	2 04	4

Dome Temp. +66 F

ocus. 15.769

Dome Temp. +

*Why is limiting
hour angle
chart upwards down?*

Transparency Conditions *poorish*

*M.T. clock in dome has red signal up, but
sid time seems OK for finding stars. Mo please
check and put down red signal.*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			5.4	S2111	—	Set 1 OLS	
					6-6	" 5	} <i>large.</i>
E031	-2 01	0			—	" 9	
E011	-12 07	0	6.6	F8	4-4-4	" 5 OLS	<i>good</i>
W038	-1 11	0	7.7	K0	4-4-4	" 5 OLS <i>Passing clouds 2230-</i>	<i>fine</i>
		0	5.6	F8V	6-6	" 1 OLS	
W107	+67 30				—	" 5	<i>fine</i>
						" 9 <i>1/2 of exposure time</i>	
		0	5.6	F9V	—	" 1 OLS	
					6-6	" 5	<i>strong</i>
W058	+42 34				—	" 9	
			3.46	G0W	—	" 1 OLS	
					—	" 5	<i>strong</i>
O 22 W	+21 41	0			12	" 9	
O 02 E	+38 26	0	7.27	K2V	4-4-4	" 5 OLS <i>one had to take</i>	<i>fine</i>
O 26 E	+33 07	0	7.2	K0	4-4-4	" 5 OLS	<i>fine</i>

Date June 8-9 / 54 Observer M.H. Julian Day 24349.02

© 77 34 09.6 3442.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21350	HD 192445 MWC 332	20 09.8	+36 02	I-25	E103A-0	.008	+23.9	2:13	2:51	1
21351	MWC 317 HD 183143 Focus Test O.T.B.	19 23.0	+18 05	"	"	"	+23.8	3:00	3:42	2
<p>June 10 changed to I-12.</p> <p>I-25 was focus 15.789. Tilt 23.15°</p> <p>I-12 set at " 12.933 " 20.35°</p> <p>21351F₁ } Focus Test I-12 HiSpeed 0.008 20.7°</p> <p>Comp exposure test (after adjusting etc)</p> <p>21351F₂ } Focus 12.943 I-12 HiSpeed 0.008 23.8°</p> <p>12.953 " "</p> <p>Comparison Exposure Test.</p>										

Transparency Conditions *Improved*

Dome Temp.....

Focus.....

Dome Temp... *59° F*

4902
3442.0

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
E 8 29	+36° 11	0	7.1	Bz ne	4-4-4	Set 5 Be, ☠ look!	<i>fine</i>
W 1 08	+18° 11	0	6.9	Bz sex	4-4-4 10/7	Set 2 Be 7	<i>fine</i>
						1 PH with F 100-a-0 + 8 in 10-14	
						Jun. 9 MC SC S MTW STW SW ME +25.6 +40.6 +57.8 +20.0 +0.1 +27.5 -4.5	
						16/12 O.T.B. set 2	<i>center to violet</i>
						12 " 3	<i>Nothing right</i>
						16-12 O.T.B. set 1	<i>center to violet</i>
						16-12 set 4	<i>center to violet</i>
						12 set 7	<i>All right.</i>

Date 1954 Jun. 10 - 12 Thurs. Fri. Observer Ma - Mn Julian Day 2434.904

079 28 52.7 3440.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle End	D
21352	Mins 333 HD 111851	12 47.1	+44 33	I-12 $\frac{1}{2}$	F103a0	set 0.016	+26.0	21 05	22 35	3	1 43 W +4	
	Mins 353 HD 131447	14 48.6	+44 39	"	"	"	+26.0	22 40	00 54	"	3 03 W +4	
21354	Wrong star HD 186844	20 12.4 ^{from HD 2} 19 41.7	+23 50	"	"	"	+25.2	1 08	1 58	2	1 38 E +2	
	HD 184467	19 29.5	+58 24	"	"	"	+25.6	2 17	2 31	2	0 06 E +3	
21356	HD 202349	21 10.1	+37 21	"	"	0.008	+25.6	2 44	2 52	1	1 28 E +3	
7a. test	O.T.B			"	"	0.008	+25.4°			1		
<p>1954 June 12 Sat. N - Ek</p> <p>Thunderstorms. Power off from 7 p.m. until aft. 10.</p> <p>About 75 people waited for power to come on. Gave lectures and demonstrated telescope. About 15 of deaf group were present. In leaving back light on in lecture room, their minutes into vital slides etc.</p>												

Dome Temp. +76°

Transparency Conditions Thin clouds at beginning.

ocus 12.952

Dome Temp. +63°F

4102
344-0

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality														
22 35	2 43 1/2 W	+44 15	1/2	9.27	F6	1-1-1	Set 2 KAFS.	fine str.														
00 54	3 03 W	+44 25	1	9.88	G8	1-1-1	" 8 "	OK very str.														
1 03	1 18 E	+23 58	0	9.0	B1Ea	1-1-1	" 2 OB I cannot identify this star - Mo	OK str.														
2 31	0 02 E	+58 22	0	7.70	Ks	1-1-1	" 8 Std. Vel.	OK str.														
3 2	1 21 E	+37 36	0	7.2	Bo5V	2-2-2	" 2 OB	(with) good														
							Retra. slow motion will not run past a certain point.															
							8/6 Set 9															
							2 PH with E 103 a-0 + 4 in refing.	OK														
							<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td>HC</td> <td>SC</td> <td>HKU</td> <td>SW</td> <td>S</td> <td>SW</td> <td>HE</td> </tr> <tr> <td>+25.3</td> <td>+49.0</td> <td>+8.5</td> <td>-1.1</td> <td>+67.8</td> <td>+42.2</td> <td>+1.3</td> </tr> </table>	HC	SC	HKU	SW	S	SW	HE	+25.3	+49.0	+8.5	-1.1	+67.8	+42.2	+1.3	
HC	SC	HKU	SW	S	SW	HE																
+25.3	+49.0	+8.5	-1.1	+67.8	+42.2	+1.3																

Fri Jun 11. Sky clouded over just after
 light had become ready for observing. SW
 cloudy at 12:15 E.D.T. - Mo

Date Sun. Wilson, June 13/11th., 1954 Observer H-K Julian Day 24349.07
 © 82 20 50.1 3437.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21357	HD 748807	16 26.2	+20 42	I-12	E103aD	slit 0.016				
21357	HD 148897	16 26.2	+20 42	1-12	E103a0	slit 0.016	25.6	01 11	01 25	3
	HD 106208	18 04.5	+43 27	1-12	F103a0	"	25.7	02 09	02 24	3
	Focus Test	OTB				"	25.7			

Dome Temp. +74 +72

Focus 12.959 ✓

Dome Temp. +69

Transparency Conditions Poor - some cloud

Dome Clocks slightly out (?) clear at 01⁰⁰
 Practically clear by 22⁰⁰ Hazy
 Some cloud 02 15
 Too cloudy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
----------------	-------------	--------	-----------	-----	-------	---------	---------

Clouded in, just as I was about to open the plate holder.
 2 p.h. with 10320 + 4 in refry.

Frank - R.F. gears were sticking. ^{slow motion}
 I noticed that the clock heaters were still on from the winter, & turned them off. Better check the grease in the clock drive box.
 Hooks on Guiding Box is slipping

2	37 ^W	+20 33	0-2	6.1	G5	1-1-1	set 2	Herschel's Prog	do desired
1	28 ^W	+43 28	1-2	6.1	G5	1-	Set 8	See slow motion work on part certain point	O.K.
						8/6	ST 5	Try damping it	A.R.

1 PH with E 10320 + 4 in refry

	MC	SC	S	MTW	STW	SW	ME
Jun 14	+24 ³ .7	+38 ⁵ .0	+59 ⁵ .4	-0.3	-025	+21 ⁵	+4.1

Roman Kroiter & Colin Low from Nat'l Film Bd. Observers.
47

Date Mon - Tues 1954 June 14-15 Observer MR - Mn Julian Day 2434908
 ☉ 83 18 07.6 3436.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21359	BD +29° 2495	14 ^h 02.6	+29° 45'	I-12 1/2	103a-0	^{cut} .016	+27.9	21:15	22:45	4
21360	HD 131861	14 50.9	+45 43	"	"	^{cut} .008	+27.7	22:52	23:07	0
21361	BD +11° 2910	16 01.2	+10 57	"	"	^{cut} .016	+27.7	23:18	1:40	1
Focus test O.T.B.						.008	+27.2			

Dome Temp... +75°F

Focus... 12.958

Dome Temp... +73°F

Transparency Conditions *Some haze, & cirrus clouds.*
Clouded over, 1:30

4108
6 3436P

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 45 +1:54	+29° 29'	1	10.00	F8	1-1-1	KAFS 58-617 Set 2	<i>no str.</i>
20 57 +1:27	+45° 29'	2	7.64	F3	2-2-2	KAFS 34-355 Set 8	<i>no str.</i>
1 40 +2:50	+10° 48'	2	9.5	-	1-1-1	Ho Bin Set 2 Telescope run In this standard 1.2" into ladder - had to reset, 0:40-0:45	<i>no str.</i>
					8/6	Set 8.	
						3 P.H. with E 1030-0,	

Dome Temp. +73°F

Focus.....12:959.....

Dome Temp. +65°F

Transparency Conditions Considerable haze at beginning steadily became worse

I have never before observed on such a poor night.

4909
244 3436

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
4 25 W	+29.42	0	10.06	Gg	1-1-1	set 2 KAFS. Whole exposure through clouds. <i>flexure</i>	weak																								
2 07 E	+10.18	0	5.78	F8	3	" 8 Std Vel	l. weak																								
					8-6	" 10 1/2	all right																								
2 ph. loaded with E103a-O.																															
<table border="0"> <tr> <td></td> <td>HE</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>HE</td> </tr> <tr> <td>June 16</td> <td>+24.2^s</td> <td>+50.9^s</td> <td>.2^s</td> <td>+2^m</td> <td>+74.5^s</td> <td>+11.7^s</td> <td>+12.8^s</td> </tr> <tr> <td>18</td> <td>+24.1^s</td> <td>+47.3^s</td> <td>+4.3</td> <td>+3^m</td> <td>+69.5^s</td> <td>+5^s</td> <td>+8.0^s</td> </tr> </table>									HE	SC	MTW	STW	S	SW	HE	June 16	+24.2 ^s	+50.9 ^s	.2 ^s	+2 ^m	+74.5 ^s	+11.7 ^s	+12.8 ^s	18	+24.1 ^s	+47.3 ^s	+4.3	+3 ^m	+69.5 ^s	+5 ^s	+8.0 ^s
	HE	SC	MTW	STW	S	SW	HE																								
June 16	+24.2 ^s	+50.9 ^s	.2 ^s	+2 ^m	+74.5 ^s	+11.7 ^s	+12.8 ^s																								
18	+24.1 ^s	+47.3 ^s	+4.3	+3 ^m	+69.5 ^s	+5 ^s	+8.0 ^s																								

Date 1954 Jun 18-19 Fri-Sat Observer Mo-Hv Julian Day 24349.2

0870711.3 3434.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21364	HD 99967	11 25.0	+47 12	I-12 $\frac{1}{2}$	E103-a-0	Set 0.016	+23.3 +23.1	20 55	23 43	3
21365	BD+35°3956	20 01.2	+35 28	"	"	"	23.2	23 59	00 59	4
21366	α Cap	20 12.5	-12 51	"	"	"	23.2	01 07	02 27	1
21367	AG 13821	22 54.8	29 33	"	"	"	23.2	02 18	03 26	2
21368	γ And.	00 42.0	23 43	"	"	"		03 36	03 37	3
								03 38	03 40	
								03 43	03 47	
							23.2	03 48	03 56	
→ Focus Test. 0.9/13.										

Dome Temp. $+70^{\circ}\text{F}$

Transparency Conditions Good

Focus 12.960

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
5 45 W	+ 46 55	1	8.0	K ₀	1-1-1	Set 2 Ho Bin.	No desired
1 35 E	35 37	0-1	9.1	B _{0.5}	1-1-1	set 2 OB	fine
07 30 E	-12 41	0-2	5.6	G ₅	1-1/2-1/2	" 2 Ho Bin.	No desired
2 00 E	29 50	0	8.72	G ₅	1-1-1	" 2 A.G. 25	L. wk
	24 00	0	5.2	?	-	" 1	0254 Some Thin Clouds
					-	" 3	No desired
					3	" 6	
3 18 E					-	" 9	
					4/3	" 8	O.K.
					4/3		

1 P.H + 8 in frig.
No heat on M.

Focussing Bell Broken
Will fix this P.M.

Jun 21	MC	SC	S	MTW	STW	SW	ME
	+23.2	+33.6	+61.2	+11.0	+0.4	-11.5	+9.0

Sat June 19 - 9500 visitors - 4 pictures - Cloudy: Ho - 1.

Date June 22 1954 Observer Ho - M. R. Julian Day 2434916

0 90 56 09.2 3434.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21369	BD +11° 29' 10"	16 012	+10 57	I 12	E 10350	.016	+24.7 +24.8 at 0120	21 15	1:05	+
21370	HD 187691	19 46.2	+10 10	"	"	.016	+24.2	1:14	1:16	1
	Focus Test		O.T.B.			"	+24.2			1

Dome Temp. $72^{\circ}F$

Focus 12.960

Dome Temp.

Transparency Conditions *Good*

Haze and Broken cloud, starting B. 45.

Clouded over, 1120

3434-2

Ending Time
L.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 ^h 47 W	+10 49	0	9.5	K5	1-1	Clouded 11:52 - 0:04 Ho Binary - Parallax <i>flexure</i>	O.K.
0 ^h 48 E	+10 18	0	5.78	F8	2-1	Std. Major <i>flexure</i> Set 2	positively nothing
					4/3	Set 8	center + violet
						3 P.H. + 4 E 103a-0, in refrig.	
						No heat on mirror.	
						Ho- is plate you left in spotter - spotted	
						It is now in P.H. #4.	
						Jan. 23 MC SC S MTW STW SW ME	
						+22.1 +32.5 +60.6 +15.2 +0.2 -33 +5.2	

Dome Temp. 16.8
 Focus 12.970 Set focus at 12.970
 Dome Temp. +60

Transparency Conditions Good

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 00	-13 51	00-0	9.74	0 _{9.5}	1-1-1	Set 2 - O.B. - Very Faint	Good
1 06 E	+30 29	0	8.91	K0	2-2-2	Set 2 - O.B.	Good
0 51 E	+17 01	0-1	8.52	G2	2-2-2	Set 2 - Standard V. Some Bubble Took picture	Good

Flashlight needs batteries

3 PM with E 103 W 0 in use
 No HEAT in mirror

	ME	SE	HW	S TE	S	S W	NE
June 25	+21.0	+41.8	+19.0	+1.5 ^m	+71.6	-32 ^s	+8 ^s
June 26			-29.6	-0.5 ^m			-26 ^s

Home Temp..... 61° F

Transparency Conditions..... Good

ocus..... 12, 970

Strong wind until 1 o'clock.

Home Temp..... 58° F

4921

3434

Reading Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
3:47	2 ^h :22 W	+55° 39	1-0	7.5	G8	1-1-1 4/3 Ho Bin. Set 2 Set 8	OK																
						2 P.H. with E103a-0 in refrig. Heat on Mirror.																	
						<table border="0"> <tr> <td></td> <td>NE</td> <td>SE</td> <td>MW</td> <td>SW</td> <td>S</td> <td>SW</td> <td>HE</td> </tr> <tr> <td>June 28</td> <td>-10.9</td> <td>+68.3</td> <td>+32.3</td> <td>+2.2^m</td> <td>+99.3</td> <td>+16.0</td> <td>-24.0</td> </tr> </table>		NE	SE	MW	SW	S	SW	HE	June 28	-10.9	+68.3	+32.3	+2.2 ^m	+99.3	+16.0	-24.0	
	NE	SE	MW	SW	S	SW	HE																
June 28	-10.9	+68.3	+32.3	+2.2 ^m	+99.3	+16.0	-24.0																

Date Mon/Tue June 28-9/54 Observer K-Hv Julian Day 24349.22
 096 39 33.8 3434.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
{ 21375	HD 117845	13 27.9	+59 27	1-12	F10300	.016	21.4 21.3	21 10	21 46	3
{ 21376	BD +60° 1611	15 21.9	+60 16	"	"	"	21.3	22 01	00 51	3
21377	A.G. 12426	21 18.3	30 15	"	"	.008	21.3	01 04	03 04	4
21378	√ f. ind.	00 42.0	23 43	"	"	"		03 13	03 15	
								03 16	03 20	
							21.3	03 21	03 29	
								03 30	03 46	
	→ f. ind.		0 7.13			"				

Dome Temp. +68°F

ocus 12.971

Dome Temp. 60°F

Transparency Conditions

Poor - Hazy at 2:00
Good at 22:30

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21	45	24W	+69 09	00	8.36	F8P	1-1-1 Set 2 K4FS	OK
22	5	36W	+60 03	00	9.98	F8	1-1-1 Set 8 "	OK
		38E	30 28	20	8.91	Ko	2-2-2 " 2 ← A.G. 25.	OK
		24	00	20	6.2	Ko	" 1	OK
							3	
						6	6	0330 A few thin clouds
						9	9	
						8/6	8 ←	
							3 P.H. found E 10300 in fog No Heat on Me	OK

ome Temp. 65°
 locus 12.971
 ome Temp.

Transparency Conditions *Broken cloud to 23.00 hrs*
 64

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 46	33E +55 38	0	7.5	G8	2-2-2	Set 2 No Bin	weak
23 47	43E +29 49	0	8.72	G5	2-2-2	Set 2 AG. Clouds 500 58 - clouded in, * gone 200 25-55	too weak OK
					8/6		

4 P.H. 10⁹a U + 5
 No heat on mirror

	NC	SC	MTU	STW	S	SW	NE
June 30	-36.5	+40.5	-24.3	+2 ^m	+14.5	-16.5	-25.8

The Fri

Date July 1-2 1954 Observer K - H Julian Day 24349.25
099 31 15.4 3433.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
{ 21381	HD 172403	18 34.9	-09 74	1-12	E1039-0	.016	27.0	21 20	21 45	4
	BD -9° 4790									
{ 21382	"	"	"	"	"	"	"	21 50	23 06	2
21383	HDE 227704 BD +34 3874	20 02.9	+34 38	"	"	"	26.9	23 19	00 19	1
	<i>From Net</i>		09.B.			"				

Transparency Conditions *Some cloud until 22 30*

Dome Temp. *72*

Focus *12.971*

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 33 E	-9 08	00	9.28	B9; Ib	1-	Set 2 ⁰¹³ Had to wait for field <i>Wrong star</i>	Too Wh
1 12 E	-9 12	"	"	"	1-1-1	Set 8 OB	Too Wh
1 25 E	+34 48	00	8.8	B. III	1-1-1	Set 2 OB 10 min of cloud	Too Wh
					4/3	" 8 <u>2350</u> cloud.	Ctr 5/16 V.
<p><u>0028</u> Sky solid A few spots of rain, I think. Quite Windy</p>							
<p>2 P. H. 103a - 0 +5? <u>0100</u> still solid</p>							
<p>No Heat on M.</p>							
<p>July 2. $\begin{matrix} MC & SC & S & MTW & STW & SW & ME \\ +7.4 & +31.0 & +4.1 & -21.2 & +0.3 & -33 & 0.0 \end{matrix}$</p>							

Date July 2-3, 1954 Observer Mn Julian Day 2434.926
 0100 28 28.9 3433.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
{ 21384	HD 193855	20 17.4	+38° 42	I-12	E 103a-0	0.008	+19.7°	1:24	2:16	2
{ 21385	HD 213014	22 23.4	+16° 46	"	"	"	+19.6°	2:24	3:10	2
{ 21386	J And.	00 42.0	+23° 43	"	"	"		3:19	3:21	3
"	"	"	"	"	"	"		3:21	3:25	3
{ 21387	"	"	"	"	"	"		3:21	3:25	3
"	"	"	"	"	"	"	+19.5°	3:25	3:35	3
{ 21388	"	"	"	"	"	"		3:25	3:35	3
"	"	"	"	"	"	"	+19.6°	3:35	3:51	3
21389	"	"	"	"	"	"	+19.6°	3:35	3:51	3
	Focus Test		d.T.B.	"	"	"	+19.5°			2

Dome Temp. $\pm 60^{\circ} F$ Transparency Conditions *Poor \rightarrow Fair*

68

Focus *12.979*Dome Temp. $\pm 57^{\circ} F$

926

30333

Ending Time
L.A.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 ^h 21 W	38° 52'	0	7.7	B ₂ III	2-2-2	Star transited at 11:55 DB - hazed over, 1:44-2:04	Set 2 Fine
3 ^h 10	17° 00	$\frac{1}{2}$	8.52	G8	2-2-2	Standard Vel.	Set 8 Fine
3 ^h 2		0	6.2	K ₀	—		Set 1 Nothing
3 ^h 25		0	"	"	—		" 3 $\frac{2}{3}$ Nothing
3 ^h 30	24° 02	0 \leftrightarrow 1	"	"	3-3	Star dimmed occasionally due to light cloud.	" 6 $\frac{1}{3}$ Good
3 ^h 3	2 ^h 29 E	1	"	"	—		" 9 Str.
					8/6		" 10 $\frac{1}{2}$ Centre slightly to left.

1 P.H. 103a-0 unspotted +4 in. refrig.

Sat July 3 almost solid clouds. moon Venus bright, visible at horizon

S-MO 130

69

Date 1954 Jul. 3-4 Sat - Sun Observer Mo Julian Day 2434927

⊙ 101 25 42.2 3433.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21387	HDE 227704	20 02.9	+34 38	I-12½	E103-a-D	set 0.016	+21.2	00 04	00 56	4
21388	HDE 229059	20 17.5	+37 05	"	"	"	+21.0	01 04	03 30	"
21389	γ Andromedae	00 42.0	+23 43	"	"	set 0.008	+21.0	03 39	03 55	1
	"	"	"	"	"	"		03 55	04 03	"
	"	"	"	"	"	"		04 03	04 07	"
	"	"	"	"	"	"		04 07	04 09	"
	Focus Test	0.78				"				4

Dome Temp. +64°F

Transparency Conditions ... Good after cloud dispersed at

Focus 12.971

11:45 EST

76

Dome Temp.

24331

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 56	0 40E	+34 47	0	8.8	Bo III	1-1-1	Set 21 OB prog.	Strong
02 30	1 40W	+37 15	0	10.2	Bvs Iap	1-1-1	" 8 " " Start orange for 74" eye piece.	Strong
03 55	2 20½E	+23 58	0+	6.2	Ko	-	" 1	Strong
04 03			"	"	"	2-2-2	" 4 Ending time by chart is 3:52 ✓	"
04 07			"	"	"	-	" 7	"
04 09			"	"	"	-	" 10	"
						8-6	" 10½ 3 P.H. loaded - all spotted.	6th sl. to rial

Sun July 4-5
 Cleared briefly at 72^h
 & clouded in again - Ho.

Sun - Mon

Date July 4-5, 1954 Observer M. N. Julian Day 2434928

© 102 22 55.3 3432.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21390	HD 213014	22 ^h 23.4	+16° 46	I-12 $\frac{1}{2}$	E1030-0	.016	+23.1°	1:18	1:52	2
21391	HD 223138	23 41.9	+27 52	"	"	.008	+23.0°	2:07	2:31	2
	Focus Test	O.T.B.		"	"	.008	+23.2°			

Dome Temp..... 68°F

Transparency Conditions... Light clouds.....

Focus..... 12,970.....

Dome Temp..... 64°F.....

34329

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 ^h 01 E	+17° 00	0	8.52	G8	1-1-1	Set 2 Std. Vel.	good
2:41 E	+28° 10'	0	8.40	Mo	2-3	Set 5 AG-25 ^s [8 is 5 minute of this] [at slit .016 + 1 comp.] Clouded over 2:31. Exposure should have been 57 min. 8/6 Set 10 1/2	too weak
						Both are spotted, but incorrectly like plate no. 21323	Centre slightly to violet
						2 P.H. loaded.	
						Jul. 5. MC SC S MTW STW SW ME	
						-14 ^s .7 +36 ^s .6 +3 ^s .4 -30 ^s .5 +0.1 ^m -44 ^s +2 ^s .2	

Date 1954 Jul 5-6 Mon Tues Observer S-Hr-Ma Julian Day 2434929

Correction to clock is +2.5

Plate No.	Object	R.A.	Declination	Inst.	Emulsion	Slit	Temp.	Starting Time		Ending Time		P.	Azimuth Elev
		1900 50	1900 50					E.S.T.	E.S.T.				
21392	L 1046-18	12 14.3	+03 14	Newt.	E103-a-E	Red Filter		h m s	h m s				
21393	"	"	"	"	E103-a-D	No Filter		21 26 48	21 32 48	1	55W		
21394	NGC 5904	15 16.0	+02 16	"	"	"		21 43 09	21 46 08	7	08W		
21395	" 6402	17 35.0	-03 13	"	"	"		21 51 18	21 54 18	1	15W		
21396	" 6386	17 25.1	-05 02	"	"	"		22 05 02	22 19 02	2	40E		
21397	" 6838	19 51.3	+18 38	"	"	"		22 22 51	22 30 51	3	18E		
21398	IC 1276	18 08.4	-07 12	"	"	"		22 43 50	22 47 50	3	27E		
21399	NGC 6712	18 50.3	-08 47	"	"	"		22 57 15	23 23 15	1	03E		
21400	" 6093	16 14.1	-22 52	"	"	"		23 27 47	23 35 47	7	38E		
21401	" 6342	17 18.2	-19 32	"	"	"		23 41 15	23 47 15	1	1W		
	Kapt. Area 133	17 15.4	-15 02	"	"	"		23 50 52 $\frac{1}{2}$	00 10 52 $\frac{1}{2}$	2	25W		
21402		NGC 6402	17 35.0	-03 13	"	"	"		00 14 49 $\frac{1}{2}$	00 34 49 $\frac{1}{2}$	11	58W	
21403	" 6712	18 50.3	-08 47	"	"	"		00 48 15	01 02 15	3	04W		
21404	" 6544	18 04.3	-25 01	"	"	"		01 05 31	01 13 31	2	12W		
21405	" 6626	18 21.5	-24 54	"	"	"		01 17 32	01 31 32	1	04W		
21406	" 6656	18 23.3	-23 58	"	"	"		01 34 57	01 40 57	7	56W		
								01 43 18	01 45 18	7	41W		

Dome Temp. +65°F

Transparency Conditions Good

Focus.....

Bright green auroral arc in northern sky.

Dome Temp.....

Set 8 4' N

clock 11:47:2
Reading Time
L.S.T.
32.48
46.08
54.15
1:00
1:36.5
2:41.5
3:22.5
3:58.4
4:47.5
5:06.5
5:34.4
6:05.5
6:31.5
7:01.5
7:31.5
8:01.5
8:31.5

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3	55 W	+03.18 ± 0.2					Focused on α Serpentis	
4	08 W						Focused on a star near η Virginis	
1	15 W							
0	40 E							
0	18 E						Focused on bright star in field of 6366.	
2	27 E							
0	08 E	-07 09 1/2						
0	38 E							
2	10 W							
	29 1/2 W							
	56 W						Focused on β Ophiuchi	
2	04 W							
	00 W							
2	04 W							
	56 W							
1	48 W							

Date 1954 Jul 5-6 Mon Tues Observer S-Hr-Mo Julian Day 2434.929

(continued)

correction to clock is +2.5

Plate No.	Object	R.A. 1900 50	Declination 1900 50	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Star Angle End
21407	NGC 6638	18 27.9	-25 32	Newt.	E103-0.0			01 50 27	02 00 27	2	0.9W
21408	" 6717	18 52.1	-22 47	"	"			02 04 42	02 20 42	1	0.05W
	Kapl. Area 135	19 15.8	-14 55	"	"			02 23 59	02 39 59	"	0.01W
21409	NGC 6838	19 51.3	+18 38	"	"			02 49 23	02 53 23	2	3.9W
21410	" 6712	18 50.3	-08 47	"	"			02 57 22	03 05 22	3	2.92W
21411	" 7089	21 30.9	-01 03	"	"			03 08 34	03 10 34	2	0.17W
21412	" 7078	21 27.6	+11 57	"	"			03 14 09	03 15 09	3	0.25W
21413	" 6779	19 14.6	+30 05	"	"			03 20 28	03 24 28	2	0.47W
21414	" 6838	19 51.3	+18 38	"	"			03 28 10	03 30 10	1	0.16W

Dome Temp. 60°F

Transparency Conditions Good

Focus

Dome Temp. +58°F

929
to clock 12+23

Ending Time L.M.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 00 27	2 09 W						20 sec. of declination drift at end.	
02 02 42	2 05 W							
02 03 54	2 01 W						Focused on γ Aquilae.	
02 05 16	39 W							
02 05 50	2 52 W							
02 10 34	0 17 W							
02 15 10	0 25 W							
02 24 33	2 47 W							
02 30 00	2 16 W							
							A fine cloudless night - could work as close to sidereal horizon as possible Red Filter in North Pier	

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Focused on S. ophiurus

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
------	--------------	-------------	--------	--------------	-----	-------	---------	---------

21 54

1 20W

*passing clouds
more clouds cut off by clouds*

22 25

0 16W

22 18

0 04W

22 44

0 01E

23 02

0 58W

*cut off 23 17
Hr ← 0 15W*

*all plates taken thru holes in clouds
solid cloud cover.*

By 12:00 EST no holes in clouds

	MC	SC	S	MTW	STW	ME
Jul. 7	-15.8	+32.0	+2.7	-29.6	0.0	+1.8

Date July 7-8, 1954 Observer S. H. M. Julian Day 24349.31

Correction to clock is +1^s.8

Plate No.	Object	R.A. 1950	Declination 1950	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21421	L 1046-18	12:14.3	+3° 14	Newt.	E103a-E	Red Filter		21:29:43	21:37:43	1	0:08 W
21422	L 1046-18	12:14.3	+3° 14	"	E103a-0	—		21:44:55	21:48:56	2	4:18 W
21423	NGC 5897	15 14.6	-20° 49	"	"	—		21:52:58	22:01:00	1	1:31 W
21424	NGC 6171	16 29.7	-12° 57	"	"	—		22:03:40	22:15:40	2	0:30 W
21425	NGC 6426	17 42.4	+3° 12	"	"	—		22:21:00	22:35:00	1	0:28 E
21426	NGC 6402	17 35.0	-3° 13	"	"	—		22:43:55	22:55:56	2	0:05 W
21427	NGC 6712	18 50.3	-8° 47	"	"	—		23:01:10	23:09:10	1	0:55 E
21428	NGC 6838	19 51.3	+18° 38	"	"	—		23:13:25	23:17:25	2	1:50 E
21429	NGC 6093	16 14.1	-22° 52	"	"	—		23:32:00	23:38:01	1	2:05 W
21430	NGC 6426	17 42.4	+3° 12	"	"	—		23:45:14	23:47:16	2	0:01 W
21431	NGC 6402	17 35.0	-3° 13	"	"	—		0:02:50	0:14:51	1	1:24 W
21432	NGC 6401	17 35.5	-23° 53	"	"	—		0:18:51	0:42:58	2	1:15 W
21433	NGC 6712	18 50.3	-8° 47	"	"	—		0:47:04	0:55:06	1	0:49 W
21434	NGC 6544	18 04.3	-25° 01	"	"	—		0:58:34	1:14:35	2	1:55 W
21435	NGC 6626	18 21.5	-24° 54	"	"	—		1:17:15	1:23:16	1	1:45 W

Dome Temp

Focus

Dome Temp

Dome Temp.....

Transparency Conditions Good.....

Focus.....

Dome Temp.....

Focussed on α Serpentis

Set 6 4' N

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21:57:43	4:08 W							
21:48:56	4:18 W						Focussed on γ Virg.	
21:01:00	1:31 W							
21:45:40	0:30 W						Seeing very poor.	
21:35:07	0:23 E							
21:50:16	0:05 W						Focussed on β Ophiuchi 17 ^h 41.3, +40 ^o 35'	
23:09:10	0:55 E							
23:17:25	1:50 E							
23:58:01	2:08 W							
23:59:59	1:01 W						Focussed on β Ophiuchi. Focus O.K.	
01:14:51	1:24 W							
01:21:51	1:51 W							
01:55:06	0:49 W							
1:14:25	1:55 W							
1:23:16	1:46 W							
Dome turning relays failed at 1:30 - repaired by Hr.								

Dome Temp... 56°

Transparency Conditions Good

Focus.....

Dome Temp... 53°

Ending Time
R.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2:00 W							
2:17 W							
2:14 W							
2:42 W						Focussed on δ Aquilae 19°03.0' + 413°49.2'	
2:07 W							
2:53 W							
0:42 W							

Seeing very poor first half of night - too poor to get different targets.

July 5 1954
Changed to 25" camera

12 1/2" was Focus 12.970
Silt 20.35
25" is Focus 15.700
Silt. 23.15


Dome Temp. $+6.5^{\circ}\text{F}$

Transparency Conditions *Good*

Focus 15.700

Dome Temp. $+5.6^{\circ}\text{F}$

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality														
0 38W	43 52	1	7.5	K1 IV+	4-4-4	OL.S. Prog.	p. str.														
1 50W	02 08	1	8.90	K7 V	4-4-4	OL.S. Prog.	p. str.														
1 49W	+54 35	?	8.9 -9.7	Ao	2-2-2	Ecl. Bin Telescope badly out of focus during this exposure. Hence I doubled the time. The star looked just like the ring nebula.	p. str. OK														
						10-7															
<p>The dome-turning relays failed to operate a couple of times Something is wrong with the focusing mechanism for the secondary mirror. I was unable to focus for V548 Cygn. There is no use trying to observe any longer. The star looks like this: </p>																					
<p>3 P.H. loaded with E103a-0</p>																					
<p>July 9</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Me</td> <td>Sc</td> <td>Mra</td> <td>Stru</td> <td>S</td> <td>Su</td> <td>ME</td> </tr> <tr> <td>-17.4</td> <td>+42.0</td> <td>-28.2</td> <td>+1.3^m</td> <td>+12.0</td> <td>-</td> <td>0.0</td> </tr> </table>								Me	Sc	Mra	Stru	S	Su	ME	-17.4	+42.0	-28.2	+1.3 ^m	+12.0	-	0.0
Me	Sc	Mra	Stru	S	Su	ME															
-17.4	+42.0	-28.2	+1.3 ^m	+12.0	-	0.0															

Dome Temp. 58°F

Transparency Conditions Good.

Focus 15.700

Cleaning about 0045 EST.

Dome Temp.

Removed 2 half weights from Dec. Drum.

33
3432.2
Ending Time
E.S.T. P.H.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0221W	54 37	00	8.9 -9.7	A0	2-2-2	Set. 2 Ecl. Bin. Dome Turning Failed.	6 OK
					8/6	v 8	
						2 P.H. 103a-0	
						No Heat.	

Date Sat July 10-11, 1954 Observer HD-K Julian Day 24349.34

0 108 06 10.0 3432.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	SLit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21447	MWC 278 HD 134284	17 55.3	4 22	I-25	E10340	008	23.0	22 52	22 54	1	
								22 54 $\frac{1}{2}$	22 58 $\frac{1}{2}$		
								22 59	23 07		
21448	V805 Aql.	19 00.7	-11 48	"	"	008	22.7	23 17	23 57	2	10 E
21449	V448 Cyg	19 54.6	+54 32	"	"	.016	22.7	00 11	00 51	3	09 E
21450	MWC 212 150398	19 11.3	+12 56	"	"	.008	22.4	01 10	01 56	4	01 39 W
21451	MWC 242 195407	20 26.0	+36 39	"	"	"	22.4	02 35	03 15	1	1 44 W
21452	MWC 347 195598	20 27.2	+43 59	"	"	"	22.6	03 22	03 44	2	2 12 W
	Focus Test OTB					"	22.5				

Dome Temp.

Transparency Conditions *Good*

Focus *15.755*

About 300 visitors Showed M13 with 74" G & O with 4" and RASC telescopes

Dome Temp. *+60°F*

34
34-32-1

Ending Time P.M.
P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		2	4.8	B _{57e}	—	Be set 1	
					12	" 5	<i>fine</i>
<i>W 05^m</i>	<i>4 22</i>				12	" 9	
<i>00 10 E</i>	<i>-11 44</i>	<i>1</i>	<i>7.8</i>	<i>A2</i>	<i>4-4-4</i>	<i>Ecl. Bin. set 5. Dome Turning Tailed</i>	<i>fine</i>
<i>00 09 E</i>	<i>+54 39</i>	<i>1-0-1</i>	<i>8.9</i>	<i>A0</i>	<i>2-2-2</i>	<i>" set 5 Okay now</i>	<i>fine</i>
<i>01 39 W</i>	<i>+13 03</i>	<i>1</i>	<i>7.7</i>	<i>B_{27e}</i>	<i>4-4-4</i>	<i>Be set 5 Early out of focus</i>	<i>flexure</i>
<i>1 44 W</i>	<i>+36 50</i>	<i>1</i>	<i>7.7</i>	<i>B_{30e}</i>	<i>4-4-4</i>	<i>Be set 5 focus, not having</i>	<i>too wide</i>
<i>2 12 W</i>	<i>+44 10</i>	<i>1</i>	<i>7.2</i>	<i>B_{15e}</i>	<i>4-4-4</i>	<i>Be set 2 would open up one direction. set 45 min started working again</i>	<i>fine</i>
					<i>101</i>		<i>fine</i>
						<i>2 PH 103 oc</i>	<i>OK</i>

Date 1954 Jul. 11-12 Sun. Mon. Observer M. H. Julian Day 2434935
0109 03 22.1 3432.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp. +25.1	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21453	12 Ophiuchi MWC 310	16 31.1	-02 07	I-25	E103a-0	set 0.008	+25.4	20 52	21 06	3	28E
21454	HD 177648 MWC 331	19 00.5	+23 11	"	"	"	+25.3	21 16	21 44	4	2 19E
21455	HD 125044 92	20 07.8	+26 11	"	"	"		21 57	22 03	1	
	"							22 04	22 12	"	2 58E
	"						+25.4	22 13	22 29	"	2 41E
21456	MWC 336 HD 193009 MWC 371	20 12.9	+32 04	"	"	"	+25.3	22 39	22 59	2	2 15E
21457	HD 205060	21 27.7	+42 16	"	"	"	+25.3	23 15	23 41	3	2 45E
21458	V 805 Aquilae	19 00.7	-11 48	"	"	"	25.3	23 49	00 45	4	2 71E
21459	V 548 Cyg.	19 54.6	54 32	"	"	.016	25.3	00 55	02 25	1	2 32E
21460	H.D. 209 296	21 57.2	56 14	"	"	.008	25.2	02 33	* 03 00	2	00 10W
	from Test.		09.13								
									* ≈ 5 ^m off-time exposure.		

Dome Temp. +70°F

Transparency Conditions A few very thin clouds from 21 onwards

Focus 15.789

Dome Temp. [unclear]

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality														
0	28 E	-02 15	1	6.4	Ko	4-4-4	O.L.S. programme	good														
2	19 E		1/2	6.9	B3e	4-4-4		fine														
			1+	5.9	Bone	12	set 1.	fine														
2	58 E		2			4-4-4	" 5	strong														
2	41 E	+26 20	2			4-4-4	" 9	strong														
2	15 E	+32 15	2-	7.0	Bone	4-4-4		fine														
2	49 E	+42 29	1	7.1	B(s)ne	4-4-4		strong														
00	41 W	-11 43	0	7.8	A2	4-4-4	Ecl. Bin	l.w.k.														
01	30 W	54 39	0	8.9	Ao	2-2-2	" " Set 5	later														
00	02 W	56 26	0	8.1	B(s)e	4-8	Hd Be Prog " 5 10/7 " 9	to w.k. OK														
							0240 clouds. Plate not entered in programme															
							2 P.H. E 10300 No Heat															
							<table border="0"> <tr> <td>nc</td> <td>e</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>Sw</td> <td>MF</td> </tr> <tr> <td>July 12</td> <td>-19.2</td> <td>ind.4</td> <td>-287</td> <td>+1.7</td> <td>+12.4</td> <td>+18.9</td> </tr> </table>	nc	e	MTW	STW	S	Sw	MF	July 12	-19.2	ind.4	-287	+1.7	+12.4	+18.9	
nc	e	MTW	STW	S	Sw	MF																
July 12	-19.2	ind.4	-287	+1.7	+12.4	+18.9																

Date Mon-Tues. July 12-13, 1954 Observer M.n. Julian Day 24349.36

0 110 00 34.3 3432.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21461	V 548 Cyg. MWC 376	19 ^h 54.6	+54° 32	I-25	E103a-0	.016	27.4° 29.0°	2:04	3:04	4
21462	HD 206773 MWC 381	21 ^h 39.3	+57° 17	"	"	.008	29.0°	3:12	3:30	3
21463	HD 208682	21 ^h 52.9	+64° 52	"	"	.008	29.2°	3:43	3:46	1
	"	"	"	"	"	"		3:47	3:53	1
	"	"	"	"	"	"	29.4°	3:53	4:02	1
	Focus Test	O.T.B.		"	"	"	29.5°			

Dome Temp. 71° F

??

Transparency Conditions Good

92

Focus 15.752

Dome Temp. 67° F

Clouds, then High Wind until 2h.

3432.3
Ending Time
L.S.T. P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2:13 W	54° 37	0	8.9-9.7	Ao	2-2-2	Set 5 Ed. Bin.	Fine
0:54 W	57° 31	1	7.0	Bone	4-4-4	Set 5 Hd Be. 1 min. with wide slit at set. 2	Good
	65° 06	1	5.8	Bane	6-6	Set 1 Hd Be. Dome turning relay failed. About 5% of tube blocked by edge of shutter	Good
		1			4-4-4	Set 5 " Light clouds, illum. by sun, blocking star.	Fine
1:12 W		1			4-4	Set 9	L. Wh
					10/7	Set 10½	Slightly to red (OK)
The Spect. heat Light was on all night. -I rechecked my bridge setting - o.k.							
3 P.H. with E103-a-0 + 4 in refrig.							

Ry = GHISLAIN ROY

Date Tues July 13-14 1954 Observer H.R. - H.V. Julian Day 2434.937

0110 57 46.6 3432.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21464	λ Ser	15 41.6	+7 40	I-25	E10320	008	+28.0	20 47	20 49	2
								20 50	20 54	
								20 54	21 02	
21465	HD144579	16 01.5	+39 24	"	"	"	+28.0	21 10 $\frac{1}{2}$	21 48	3
21466	HD158614	17 25.2	-0 59	"	"	"	+28.0	22 12 $\frac{1}{2}$	22 15 $\frac{1}{2}$	4
								22 18	22 24	
								22 25	22 35	
21467	μ Her	17 42.5	27 47	"	"	"		22 50 $\frac{1}{4}$	22 51 $\frac{1}{4}$	1
								22 52 $\frac{1}{2}$	22 54 $\frac{1}{2}$	
							28.0	22 55 $\frac{1}{2}$	22 58 $\frac{1}{2}$	
21468	HD166620	18 06.4	38 28	"	"	"	28.0	23 09	23 33	2
21469	V805 Aql	19 00.7	-11 48	"	"	"	27.9	23 40	00 42	3
21470	V548 Cyg	19 54.6	54 32	"	"	016	27.8	00 51	02 01	4
21471	H.D. 154392-9	19 29.2	55 31	"	"	008	27.8	02 09	03 01	1
	<i>Blue Test</i>				<i>O.P.C.</i>					

Dome Temp. 71°

Transparency Conditions O.K.

Focus 15.834

Dome Temp. 66°

37
1432.4

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0	5.03	G0V	12	OLS Prog Set 1	Wh
					12	" 5	Wh
W 26 ^m					6-6	" 9	Good
W 1:02	39 16	0-1	7.4	G8	4-4-4	OLS Set 5	Good
	-1 01	1	5.6	G8 IV	12	OLS Set 1	Wh
					12	" 5	Wh
N 15 ^m					12	" 9	Good
			4.17	G5 IV	12	OLS " 1	Strong
					12	" 5	Fine
N 21 ^m	27 45	1			12	" 9	Good
W 34 ^m	38 26	2	7.27	K2 V	4-4-4	OLS Set 5	Good
00 47 W	-11 43	1	7.8/35	A2	4-4-4	Eel Bin	Good
01 14 W	54 39	1	8.9/97	A0	2-2-2	" " " 5	L. Star
02 40 W	55 38	0	7.6	cG5	4-8	H. Bin " 5	Good
					10/	" 7	little to
						3 PTL + 8	the red

0220 Cloud + rain
0255 * about 100%

no heat (OK)

Date 1954 Jul. 14-15 Wed-Thurs Observer Mo - K Julian Day 24349.38

© 111 54 59.0 3132.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp. +27.0	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21472	V805 Aquilae	19 00.7	-11 48	I-25	E103a-0	sd 0.008	+27.0	22 14	23 14	2
	Focus Test	O.T.B.					+26.8		? ←	3
21473	V548 Lyr MWC 402	19 54.6	+54 32	"	"	.016	+26.7	01 08	02 18	3
21474	223501	23 45.0	+61 39	"	"	.008	+27.0	02 36	04 00	4
	Focus Test	O.T.B.		"	"	"	+26.8			

Dome Temp. -
Focus... 15 819
Dome Temp. -

Hour Angle
End

38 E -

34 W +

36 E +

Dome Temp... +71°F

Transparency Conditions... Good

Focus... 15.819

clearing 0 45

Dome Temp... +60°F

Ending Time
L.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 38 E	-11 44	0	7.8 -8.5	A ₂	4-4-4	Ecl. Bin 10-7 Clouds 23:30, Rain 23:50 → too much	Good
1 34 W	+54 39	∞	8.9 -9.7	A ₀	4-4-4	Ecl. Bin Set 5 Some turning acting up. Strong wind Telescope vibrating	Fine
0 35 E	+61 57	0	8.2	B _{3e}	4-4-4 10/7	B. E Set 5 Set 9	Good little To red
						4 PM 1030-0 + 4	

July 14

NE	SE	45W	SW	J	S W	NE
-20.3	+44.5	-40.5	0	+12.5	+22.5	+9.3

Ry
MK
Mo

MK = Olga Mracek

Date 1954 Jul. 15-16 Thurs-Fri. Observer Hd - Mn Julian Day 24349.39

0 112 52 11.7 3433.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21475	HD 154160	16 58.7	+14 41	I-25	E1030-0	0.008	+22.0	22 17	23 17	1
21476	V 805 Aql	19 00.7	-11 48	"	"	"	+21.9	23 31	0 31	2
21477	HD 184467	19 29.5	+58 24	"	"	"	+21.9	0 48	1 12	3
21478	V 548 Cyg. MWC 353	19 54.6	+54 32	"	"	0.016	+21.7	1 18	2 24	3
21479	HD 198478	20 45.5	+45 45	"	"	0.008		2 33:00	2:34:20	4
	"	"	"	"	"	"		2:36:00	2:38:40	4
	"	"	"	"	"	"	+21.7	2:40	2:45	4
21480	MWC 360 HD 200310	20 57.6	+45 4 ⁶	"	"	"		2:50:30	2:52:20	1
	"	"	"	"	"	"		2:55:15	2:58:45	1
	"	"	"	"	"	"	+21.6	3:00	3:07	1
21481	MWC 397 HD 218393	23 02.6	+49 40	"	"	"	+21.6	3:15	3:37	2
21482	MWC 407 HD 224559	23 53.8	+45 52	"	"	"	+21.6	3:42	3:58	2
	Focus Test	O.T.B.		"	"	"	+21.6			2

Dome Temp. +64°F

Transparency Conditions... Clouds... at beginning - clear later.

Focus... 15.741

Dome Temp. +57°F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01:34 W	+14 35	0	7.52	K ₀	4-4-4	Star for MR	fine
0 ^h 44 W	-11 42	0	7.8- 8.5	A ₂	4-4-4	Ecl. bin.	weak
0 ^h 58 W	+58 28	0	7.70	K ₅	4-4-4	Std. Vel. Set 2	weak
1 ^h 44 W	+54 39	0	8.9-9.7	A ₀	2-2-2	Ecl. Bin. Set 8	good
		1	4.9	B _{25ex}	12	Hd Be Set 1	fine
		1	"	"	12	" " 5	
1 ^h 14 W	+45 57	1	"	"	6-6	" " 9	
		1	5.2	B _{3ne}	12	Hd Be Set 1	good
		1	"	"	12	" " 5	
1 ^h 24 W	+45 59	1	"	"	6-6	" " 9	
0 ^h 12 E	+49 57	1/2	6.8	Ave	4-4-4	Hd Be Set 1	whisper
0 ^h 42 E	+46 09	1/2	6.5	B _{3ne}	4-4-4	Hd Be Set 7	whisper
					10/7	Set 10 1/2	ok

2 P.M. with E 103 a-0.

Jul. 16 MC SC S MTW STW SW ME
 -21.8 +40.3 +7.1 -40.8 -0^m +20^s -1.8

Date *1954 July 16-17* ^{*Pre-Sat*} Observer *Ry Ho - K* Julian Day *24349.40*

0 113 49 24.8 3433.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21483	HD 168461	18 14.7	-12 13	I 12	E103aD	<i>Set</i> .016	23.0	21 17	23 51	3
21484	HD 223138	20 06.9	+34 38	"	"	"	23.0	00 08	00 48	3
21485	HD 223138	23 41.9	+27 52	"	"	.008	22.8	01 02	01 50	4
21486	HD 28	00 00.2	-06 16	"	"	"	23.0	02 00	02 06	1
	"	"	"	"	"	.016	23.0	02 08	02 38	1
21487	10240165	22 58.0	+56 39	"	"	"	22.8	02 45	04 01	2
	Focus Test	OTB		"	"	"	22.8			

Dome Temp. +6.9
 Focus 12.970
 Dome Temp. +6.2°F

Transparency Conditions Fair

July 16 changed to 12 1/2" 25" focus 15.741
 Felt 23.15 12 1/2" T 20.35

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 00W	-12 12	0	10.2	Or	1-1-1	Set 2 OB - light cloud from 21:40 ^m	Good
00 03W	+34 47	0	8.8	B ₀ II	1-1-1	Set 2 OB (Flare)	Fine
2 34E	+28 10	0-1	8.4	Mo	2-2-2	Set 5 AG	Fine
—	-5 59	0-1	5.7	Ko	6	Set 2 Harnack's Who loaded PH 1? cleaning plate was in upside down + spring turned	Fine
2 04E	" "	" "	" "	" "	—	Set 8	As desired
0 21W	+56 56	1	10.0	B ₀ W	1-1-1	Set 2 Matthews	Fine
					4/3	Set 8	OK

ME clock, loud hum.
 2 PH with E103a-0

Sat Night July 17.
 About 100 visitors N and L
 demonstrated telescope N lectured on moon.
 Sky cloudy.

Date 1954 Jul. 18-19 Sun. Mon. Observer Mo - H ✓ Julian Day 2434942

① 115 43 52.4 3434.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21488	HD 131861	14 50.9	+45 43	I-12 $\frac{1}{2}$	E103a-0	0.008	+26.1	21 16	21 38	3	2 13W
21489	HD 130988	14 46.0	+45 18	"	"	0.016	+26.0	21 44	23 00	"	3 4:0
21490	HD 184467	19 29.5	+58 24	"	"	"	+26.0	23 09	23 17	4	0 46E
21491	HDE 229227	20 20.2	+38 08	"	"	"	25.8	23 45	02 45	"	0 15W
21492	H.D. 30353	04 41.8	43 03	"	"	.008	26.1	03 02	03 52	1	0 53E
	<i>Focus Test</i>				<i>0.9.B</i>						

Dome Temp. +75°

Focus 12:9.71

Dome Temp. 66°F

Transparency Conditions Rather hazy around the horizon
I set on 3 faint, low-declination OB stars but
I could not find one of them in the finder.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 30	+45 29	1	7.64	F3	2-2-2	Set 2 KAFS	Strong
23 00	+45 05	1-0	9.17	G5	1-1-1	" 8 KAFS Scattered clouds 22 30. Star not on slit all the time - balance not right.	Strong
23 17	+58 27	2	7.70	K5	1-1-1	" 2 Std. Vel. Added one weight to decl. drum clouds for 15 min.	Strong
01 51	+38 17 1/2	0	9.9	B0 II	1-1-1	" 8 OB. Occasional clouds aft.	Fine
05 25	43 12.5	0	8.3	Gop	2-2-2	" 2 Bidelman's *	Fine
					8/6	" 2	

3 P.H.

No tent.

July 19

4C	6C	MTW	STW	S	SW	HE
24.15	758	45.58	-1	+12.2	+9	+2.8
-36.8	+488	-24.3				

Dome Temp. +68°F

Transparency Conditions.....

Focus..... 12.971

Dome Temp. +67°F

Start delayed by clouds at sunset.

143
435.4
Ending Time
L.S.T. P.S.

Hour Angle End	Declination	Seeing	Ftg. Mag.	Sp.	Comp.	REMARKS	Quality
0 47 E	23 58	1	9.0	B, Ia	1-1-1 4/3	Set 2 OB prog some light clouds Set 8 cloud getting progressively thicker completely overcast 1.30 No hope. Rain 2.00 Lightning in west	Fine O.K.
						2 PH with E 103 a - 0	

Dome Temp.....70°F

Transparency Conditions.....

Focus.....12-971

Dome Temp.....68°F

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
10 00	0 39 W	-7 24	0	9.0	B ₁ Ia	1-1-1	OB 14.5 Set 2 with guide star getting hazy	Good
10 20	0 07 W	+10 19	0	5.78	F8	3	std vel Set 5 cloudy	Str.
	0 31 N					3	Set 9	L. Str.
10 40	0 47 W	H7 41	0	6.7	B _{0.5} I	2-2-2	Mithras* Set 2 cloudy (poor guide)	Good
						8/6	" 8	OK
							1 P. H.	
							no Acetic	

Date 1954 Jul. 21-22 Wed. Thurs. Observer Mo - K Julian Day 24349.45

0118 35 38.9 3437.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21497	HD 172403	18 34.9	-09 14	I-12½	E103a-0	set	+25.0	21 14	23 14	1
	21498	HD 187691	19 46.2	+10 10	"	"	"	+24.9	23 21 15	23 23 15
21499	HD 188439	19 50.1	+47 34	"	"	0.008	"	23 38½	23 41½	2
	"	"	"	"	"	"	+24.8	23 42	23 48	"
21500	BD +38° 4032	"	"	"	"	"	"	23 48	00 00	"
	HD 193855	20 17.4	+38 42	"	"	"	+24.8	00 12	00 38	3
21501	BD +38° 4069	"	"	"	"	"	"	"	"	"
21502	HDE 229234	20 20.3	+38 12	"	"	0.016	+24.7	00 50	02 02	"
	f And.	00 42.0	+23 43	"	"	.016 008	"	02 15	16	4
	"	"	"	"	"	"	"	17	19	"
	"	"	"	"	"	"	"	20	02 22	"
21503	"	"	"	"	"	0.008	"	02 26	02 27	1
	"	"	"	"	"	"	"	02 28	02 30	"
	"	"	"	"	"	"	"	02 31	02 35	"
	"	"	"	"	"	"	+24.8	02 36	02 52	"

Dome Temp. ...
 Focus ... 12.97
 Dome Temp. ...
 Hour Angle
 End
 0 16W
 0 46E
 0 24E
 0 12 E
 0 02 E
 1 20W
 02 22
 1 RE

Dome Temp. +71°F

Transparency Conditions Good

Focus 12.971

Dome Temp. 94.5

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 14	0 16W	-09 09	0	9.28	Bg: Ib:	1-1-1	Set 2 OB	Fine
23 28	0 46E		1	5.78	FB	3	" 8 Std Vel	Strong
23 41		+47 40	1	6.7	Bas II	6	" 2 Matthew's Star	Good
23 46	0 24E		1			6	" 5	Fine
00 00	0 12 E		1			2-2-2	" 8	Strong
00 38	0 02E	+38 52	1	7.7	B ₂ IV	2-2-2	" 2 CB.	Strong
02 02	1 20W	+38 20	0	9.4	Og. III	1-1-1	" 8 OB	Fine
			0	5.2	K ₂	-	" 1 Ho Ecl. Bin.	No Good slit .016 } OK.
			0			-	" 3	
			0			6	" 6	
			0			-	" 9	
			0	"	"	-	" 1 " " "	
			0			-	" 3	} Earthy Discol
			0			6	" 6	
			0			-	" 9	
02 52	2 13E	+24 00	0			-	" 9	

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp. +59°

Changed to 25" 25 in Focus 15.722
Silt 23.15 12 1/2" was

Focus 12.971
Silt 20.35

45
3437.1

Ending Time
E.S.T. P.E

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 36W	+34 48	0	8.8	B ₀ III	1-1-1 4/3	Set 2 OR " 8	Fine OK
						2 PH with F103 0-0 + 8	
						July 22	
						NE SE MW SW S HE -26.7 +48.9 -31.7 -2 ^m +32.3 -38.8 -2 ^s	

Date *Thurs. Fri. July 22-3 / 1954* Observer *Ho - Hr* Julian Day *2434946*

0 119 32 56.0 3438.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21505	V 566 Oph	17 51.9	+05 00	I 25	E10320	<i>lit</i> .016	+22.9	21 09	21 49	3
21506	V 805 Aql	19 00.7	-11 48	"	"	<i>lit</i> .008	+22.9	22 00	23 10	
21507	S And	00 42.0	+23 43	"	"	"	+22.9	23 20 ^{4^m}	23 24	4
								23 25 ^{8^m}	23 33	
								23 34 ^{16^m}	23 50	
								23 52 ^{50^m}	00 42	
21508	V 548 Cyg	19 54.6	+54 32	"	"	<i>lit</i> .016	22.6	00 57	02 27	1
21509	H.D. 209296	21 57.2	56 14	"	"	.002	22.6	02 36	03 52	2
	<i>From Test 0720</i>									

Dome Temp. °C

Focus 1554

Dome Temp.

Hour Angle
End

20 25 E

20 11 E

25 37 E

25 28 E

25 11 E

24 19 E

21 30

21 37 W

Dome Temp. +6.6

Transparency Conditions *Good*

Focus 15.754 ✓

Dome Temp. 61

438.0

Ending Time L.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 49	3	00 25 E	+04 49	0	7.8/8.1	F5	2-2-2	set 2 Eclipsing Binary	Lwh
25 10		00 11 E	-11 43	0-00	7.8/8.5	A2	2-2-2	set 8 Eclipsing Binary - (Plateholder 2 should be found)	Lwh
28 24	4	05 37 E	+24 01	0	6.2	K III _p		set 1 Ho Binary - (Doubting may be bad: spectrum + slit in eyepiece)	as
29 33		05 28 E		0			6	set 3	as
32 00		05 11 E		0				set 6	Asound
0 42		04 19 E		0				set 9	
0 50		02 15 W	54 40	0	8.9/9.7	A0	2-2-2	" 2 Eclipsing Binary	Binary
1 01		01 37 W	56 29	0	8.1	B0e	4-4-4	" 2 Hd. Be.	Lwh
							15/10		
								2 P.H. + H	sl. to red
								NO H=2	
								1954 Jul. 23	
								MC SC S MTW STW SW ME	
								-27.1 +42.2 +02.9 -70.3 -0.7 +29.5	
								-0.4 -0.3 0.0	

Date Fri July 23-24/54 Observer L. Mn Julian Day 2434947
 0120 30 14.0 3438.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21510	V 566 Oph	17 51.9	+05° 00	I-25	E-103a0	Set .016	24.0	21 32	22 26	3	0 19 W 0
21511	V 548 Cyg	19 54.6	54 32	"	"	"	24.0	22 37	0 11	3	0 02 W 5
21512	MWC 320	19 41.3	5° 44	"	"	Set .008	23.7	0 28	2 14	4	2 19 W
21513	HD 212943	22 22.8	+4° 12	"	"	"	23.6	2 21	2 30	4	0 08 E +
21514	MWC 395 HD 217543	22 56.3	+38° 10	"	"	"	23.7	2 36	2 52	1	0 19 E +
21515	§ And	00 42.0	+23° 43	"	"	"		3 02	3 04	2	
	"	"	"	"	"	"	23.8	3 05	3 09	2	
	"	"	"	"	"	"		3 09	3 17	2	
	"	"	"	"	"	"	23.8	3 17	3 32	2	1 19 E
21515 F F.T. Focus Test	O.T.B.			"	Hi-Speed	"	23.7			1	

Dome Temp. +70°F

Transparency Conditions Good

Focus 15.770

Clouds at end

Dome Temp. +64°F

Start delayed by bank of clouds

Ending Time L.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 26 3		0 19 W	04 58	0	7.8/8.1	F5	1-1-1	Set 2 Eclipsing Binary, some cloud	OK
0 11 5		0 02 W	54 39	01	8.9/9.7	A0	1-1-1	" " " more clouds	OK
2 14 4		2 19 W	+5 54	0	8.5	B3ne	4-4-4	Set 2 Hd Be	Good
2 30 4		0 08 E	+4 28	0	5.93	X0	4-8	" 8 Std. Vel.	Good
2 52 1		0 19 E	+38 28	0	6.4	B3ne	4-4-4	" 5 Hd Be	Fine
3 04 2				0	6.2	K2	-	" 0 Ho Bin.	As
3 19 2			+24 00	0	"	"	-	" 3 "	As
3 5 2				0	"	"	6-6	" 6 "	
3 22 5		1 19 E		0	"	"	-	" 9 " Clouded in, 3:38	Weak
							20/14	" 5	
								2 p.h. + 0 in refrig.	
								No heat	

Sat. July 24 Hd, Mu.

About 150 visitors. Showed them & Here. with 74-inch, and Mars with 4-inch and 5-inch. Cloud with a few clear patches.

Date ²⁶ Sun. July 25, 1954 Observer ^{MK} L - H v Julian Day 2434.949
 0122 24 52.7 3440.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21516	V 566 Oph	17 51.9	+05 00	I-25	E-1032-0	0.016	26.0	21 13	22 19	3
21517	V 805 Agy ^l	19 00.7	-11 48	I-25	"	"	26.1	22 28	23 04	3
21518	V 548 Cyg	19 54.6	+54 32	I-25	"	"	26.0	23 23	00 43	4
21519	H.D. 225095	23 58.3	55 00	"	"	0.008	26.1	00 57	01 29	1
21520	" 12302	01 55.6	59 12	"	"	"	26.0	01 37	02 47	1
21521	" 30353	04 41.8	43 06	"	"	"	26.2	02 56	04 02	2
	8-302				07B					

Dome Temp. 74 °F

Transparency Conditions.....

Focus 15.802

Dome Temp. 66 °F

Ending Time
L.S.T. P.H.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 19	00 20 W	+04 59	0-1	7.8/2.1	F5	1-1-1	Set 2 Ecl. Bin. passing clouds	OK
23 04	00 04 E	-11 42	0-1	7.8/85	AZ	1-1-1	Set 8 Ecl. Bin. some light obs!	OK
00 43	00 43 W	+54 38	0-1	8.9/9.7	A0	1-1-1	Set 2 Ecl. Bin.	OK
01 29	02 36 E	55 16	2-3	7.6	B1c	2-2-2	" 2 Hd. Be	} Fine Good Z. Weak
01 47	03 16 E	59 25	1*	8.2	B3e	2-2-2	" 8 " " * Average 0-1-2+ Compassion	
02 04	04 47 E	43 11	0	8.3	Gop	2-2-2	" 2 Bidelman's * Wh.	
						15/10	" 8	
							2 P.H. + 8	
1954 Jul. 26							MC SC S MTW STW SW ME	
							-28.3 +44.9 +04.7 +08.6 +0.7 +79 +12.4	
							correction to minute hand 1/2 m.	
1954 Jul. 27							+08.1 +0.2 +17.5	

Date Mon July 26-27/54 Observer Hd - K Julian Day 2434950
 0 123 22 13.5 3441.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21522	12 oph	16 31.1	-2 07	I-25	E10300	008	+28.8	20 42	20 58	3	W 23 ^m
21523	HD 154417	17 00.2	+0 51	"	"	"	+29.0	21 03	21 19	4	W 15 ^m
{ 21524	V 566 oph.	17 51.9	+5.00	"	"	016	+29.1	21 23	22 03	1	W 7 ^m
{ 21525	V 805 Aql	19 00.7	-11 48	"	"	008	+29.0	22 10	23 10	1	W 5 ^m
{ 21526	MWC 312 HD 130398	19 11.3	+12 56	"	"	"	+28.8	23 16	0 16	2	1 02 ^m
{ 21527	MWC 350 HD 196712	20 34.0	-2 46	"	"	"	+28.9	0 23	0 35	2	0 02E
21528	V 548 Cyg	19 54.6	+54 32	"	"	.016	+28.9	0 48	1 48	3	1 52W
21529	213014	22 23.4	+16 46	"	"	.008	+28.7	2 50	4 00	4	1 34W
	Focus Test	CTB		"	"	"	+28.7				

Dome Temp. 80°F

Focus 15-855

Dome Temp. 70°F

Transparency Conditions a few clouds at first.

50
44.6

Ending Time
E.S.T. P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 23 ^m	-2 13	0-1	6.4	K0	12	Set 2. OLS prog.	good
W 15 ^m	+0 47	0	6.3	G0	12	" 5 " "	good?
W 7 ^m	5 00	1	7.8/8.1	F5	2-2-2	" 2 Ed bin.	fine
W 6 ^m	-11 43	1	7.8/8.5	A2	4-4-4	" 8 " "	fine
E 02 ^W	+13 03	1	7.7	B2ae	4-4-4	set 2 Be prog	fine
O 02E	-2 34	1	6.3	B2e	6-6	" 8 " "	fine
L 52W	+54 40	1-0	8.9/9.7	A0	2-2-2	Set 5 Ed Bin.	fine improb.
L 34W	+17 02	0-00	8.52	G8	4-4-4	Set 2 Std Val.	good
					15/10	" 8 " "	distorted

4PH E103a-0
 July 28
 MC SC MTW STW S SW ME
 -30.8 +55.3 +5.7 +.3^m +12.2 +32.6 +8.2
 Plates needed

Date WED. THU. JULY 28-29 1954 Observer S-H-K-MO Julian Day 24349.52

corrected to clock +8.2

Plate No.	Object	R.A. 1900 50	Declination 1900 50	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21530	NGC. 5904	15 16.0	+2 16	Newt	E103a-D	—	—	21:45:30	21:48:30	1	39W
21531	NGC. 6254	16 54.5	-4 02	"	"	—	—	21:57:12	22:03:12	2	5W
21532	NGC. 6356	17 20.7	-17 46	"	"	—	—	—	—	—	—
21532	NGC. 6712	18 50.3	-8 47	"	"	—	—	22:23:52	22:43:52	1	00
21533	NGC. 6838	19 51.3	+18 38	"	"	—	—	22:49:26	22:53:26	2	51E
21534	NGC. 6535	18 01.3	-0 18	"	"	—	—	23:—	—	—	—
21534	NGC. 6366	17 25.1	-5 02	"	"	—	—	23:16:42	23:36:42	1	19W
21535	NGC. 6712	18 50.3	-8 47	"	"	—	—	23:41:26	0:01:26	2	19W
21536	NGC. 6838	19 51.3	+18 38	"	"	—	—	0:06:37	0:12:37	0	32W
21537	NGC. 6779	19 14.6	+30 05	"	"	—	—	0:21:02	0:29:02	—	22W
21538	NGC. 6205	16 39.9	+36 33	"	"	—	—	0:39:42	0:41:42	1	59W
21539	NGC. 6712	18 50.3	-8 47	"	"	—	—	0:47:17	0:07:17	2	24W
21540	NGC. 7089	21 30.9	-01 03	"	"	—	—	01:32:30	01:33:30	1	0 16W
21541	NGC. 6838	19 51.3	+18 38	"	"	—	—	01:42:22	01:48:22	2	04W
21542	M ³¹ NGC 224	00 40.0	+41 00	"	"	—	—	02:13:40	02:18:40	1	2 19E
21543	" "	" "	" "	"	"	—	—	02:28:52	02:58:52	2	34E

Dome Temp. 47

Focus

Dome Temp.

Hour Angle
End

Dome Temp. +78° F

Transparency Conditions

Focus

Focussed on a Herc.
Set of 4" N

Dome Temp.

52
match clock 50
Ending Time
R.T.
ded
22:48:30
22:03:12
22:43:52
22:53:26
23:36:42
01:01:26
01:12:37
01:22:02
01:41:46
01:57:17
01:33:30
01:43:12
02:09:00
02:58:52

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 39 W							
1 15 W							
NOT VISIBLE							
0 00							
0 51 E						Focussed on γ Sagittae OBSCURED BY HAZE	
2 19 W						Mo guiding	
1 19 W							
0 28 W						Mo "	
1 22 W						Mo "	
4 09 W							
2 24 W						MO FOCUSED ON β AQUARI	
0 10 W						Mo "	
2 04 W						Mo "	
2 19 E						AND. NEBULA Exp. stopped because illumination	
1 34 E						" "	

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time
E.S.T. P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
						Clouded out. Poor night - good only in high dec, and a few stars in low dec.																	
						<table border="0"> <tr> <td></td> <td>MC_s</td> <td>SC</td> <td>HTW</td> <td>STW</td> <td>S</td> <td>SW_s</td> <td>ME_s</td> </tr> <tr> <td>July 30</td> <td>-32.3</td> <td>+57.9</td> <td>-5^s</td> <td>+1^m</td> <td>+14.4</td> <td>+47.9</td> <td>+6.0</td> </tr> </table>		MC _s	SC	HTW	STW	S	SW _s	ME _s	July 30	-32.3	+57.9	-5 ^s	+1 ^m	+14.4	+47.9	+6.0	
	MC _s	SC	HTW	STW	S	SW _s	ME _s																
July 30	-32.3	+57.9	-5 ^s	+1 ^m	+14.4	+47.9	+6.0																

123

Fri July 30/31 - Not clear enough to start an exposure - Ho, Ry, Mh, K.

Sat July 31/Aug 1 - Cloudy - 20 visitors, counting Makinozook - Ho, Bh. (2 mag extinction.)

Sun Aug 1/2 - (1st Half) 22 hours - too much (high) cloud around to open up - Ho

Date 1954 Aug 1-2 Sun Mon Observer Ma Julian Day 2434.956

© 129 06 35.6 3446.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21543 A	V548 Cygni	19 54.6	+54 32	L-25	E103a-0	set	+24.2	00 24	01 24	1
21544	HD 193664	20 16.5 ⁴	+66 31 ³¹	"	"	0.008	+24.0	01 38	01 43	2
	"	"	"	"	"	"	"	01 43	01 53	"
21545	MWC 366 HD 203374	21 16.7	+61 25	"	"	"	+24.0	02 01	02 15	3
21546	ι Pegasi	22 07.4	+24 51	"	"	"	"	02 25 10	02 25 45	4
								02 26 30	02 27 30	"
							+24.0	02 30 30	02 32 00	"
21547	HD 211476	22 12.8 ²	+12 24 ²³	"	"	"	+24.0	02 51	03 31 ⁴⁰	1
21548	HD 223778	23 47.5	+74 59	"	"	"	+24.0	03 42	04 12	2
	Focus Test	O.T.B.		"	"	"	+24.0			"

Dome Temp. +78°F

Transparency Conditions Excellent

Focus 15.771

Dome Temp. +63°F

3446.4

Ending Time
L.S.T. P.M.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 24	1 51W	+54 40	0+	^{8.9} -9.7	A6	2-2-2	Set 2 Ecl Bin.	Fine
01 43		+66 39½	2	6.5	F8	—	" 2 OLS	(Poor guide) Good
02 51	2 00W		"			12	" 5 "	Fine
02 53	1 21W	+61 38	1+	6.6	Bone	4-4-4	" 5 Be.	Fine
02 54				4.2	F5V	—	" 2 OLS	Strong
03 03						12	" 6 "	Too strong
03 04	0 51W	+25 08				—	" 10 "	Much too str
03 21	1 40W	+12 40	2→1	7.6	G2	4-4-4	" 2 OLS	2 RH loaded. Strong
04 14	0 45W	+75 15	2	7.4	K5	4-4-4	" 5 OLS	Strong
						15-10	" 10½	OK.

Date Mon. Tue., Aug. 2-3, 1954. Observer M. n. Julian Day 24349.57

① 130 04 02.0 3447.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.F.	Hour Angle End
21549	V 548 Cyg.	19 ^h 54.6	+54° 32	I-25	E 103a-0	.016	+23.8	0:35	1:40	3	
21550	51. Peg.	22 ^h 52.6 ⁵	+20° 14	"	"	.008	+23.5	1:49	2:00	4	
21551	HD 213014 MWC 394	22 ^h 23.4	+16° 46	"	"	.016	+23.5	2:06	2:56	4	
21552	HD 217050	22 ^h 52.7	+48° 09	"	"	.008		3:07:15	3:08:45	1	
	"	"	"	"	"	"		3:10:45	3:13:45	1	
	"	"	"	"	"	"	+23.2	3:15:30	3:21:30	1	
21553	Bidelman's Star HD 30353	04 ^h 41.8	+53° 06	"	"	"	+23.5	3:38	4:22	2	
	Focus Test O.T.B.			"	"	"				2	

Dome Temp. 68°F

Transparency Conditions Fair

Focus 15.770

Heavy Ground Fog.

Dome Temp. 65°F

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:40	2:11 W	+54° 40'	1	8.9/9.7	Ao	2-2-2	Ed. Bin. Set 2	Good
2:00	0:28 E	+20° 32'	1	6.21	Go	4-4-4	OLS Set 2	Fine
2:20	0:58 W	+17° 00'	1	8.52	G8	2-2-2	Std. Vel. Set 8	Good
3:00			1	5.2	Bane	12	Hd Be Set 1	Good
3:20			1	"	"	6-6	" Set 5	Fine
3:40	0:54 W	+48° 26'	1	"	"	6-6	" Set 9	Strong
4:00	3:56 E	+43° 12'	1	8.3	Goq	4-4-4	Set 3	Good
						15/10	Set 9	O.K.

2 p.h. with E103-a-0 + 4.

Aug. 3.	MC	SC	S	MTW	STW	SW	ME
	-3.1	-9.6	-11.5	-17.8	-0.2	+8.5	+4.2

(Mo)

Date 1954 Aug 3-4 Tues. Wed. Observer MK - K Julian Day 2434058

0131 01 29.0 3447.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle End
21554	V566 Oph.	17 51.9	+05 00	I-25	E-103a-0	0.016	22.4	20 41	21 31	3	00 17 N
21555	V 805 Aql.	19 00.7	-11 48	"	"	0.008	22.2	21 43	22 43	3	0 30 -
21556	V 544 ⁵⁴⁸ Cyg	19 54.6	+54 32	"	"	0.016	22.3	23 15	00 05	4	0 40
21557	MWC 352										
	HD 198183	20 43.5	+36 07	"	"	0.008		00 13 21	00 14 21	1	-
	"							00 15 34	00 17 34	1	-
	"										
	MWC 343						22.0	00 18 39	00 22 39	1	0 10
21558	HD 194335	20 20.0	+37 10	"	"	"		00 33 0	00 37	2	-
							22.5	00 38	00 46	2	-
							22.4	00 48	01 04	2	1 13 W
21559	HD 3765	00 35.3	+39 ⁴⁰ 39	"	"	"	22.3	01 32	03 14	3	0 58 E
21560	S And	00 42.0	+23 43	"	"	"		03 22	03 24	4	
								03 25	03 29	4	
							22.2	03 30	03 38	4	0 36 E
							22.2	03 39	04 11	4	0 02 E
	Thomson Test	CTB		"	"	"	22.1			3	

Dome Temp. 68° F

Transparency Conditions *Good*
Clouds NW + S 02 30

Focus 15.742

Dome Temp. 63° F

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 31 3	00 07 W	04 58	0	7.8 / 8.1	F5	2-2-2	Set 2 Ecl. Bin	Good
02 03 3	00 09 W	-11 46	0	7.8 / 8.5	A2	4-4-4	Set 7 Ecl. Bin	Good
02 54 4	0 40 W	54 33	0-1	8.0 / 8.7	A0	2-2-2	Set 5 Ecl. Bin	Fine
03 02 2	-	36 19	1	4.5	B6c	12	Set 1 Be	Fine
03 03 1	-					12	5 "	L. Str.
03 05 1	00 08 W					12	9 "	Strong
03 07 2	-		1	5.7	B37e	12	Set 1 Be	Fine
03 06 2	-	37 18				6-6	5 "	Strong
03 09 2	1 13 W					6-6	9 "	Too Strong
03 09 3	0 53 E	39 57	0	8.2	K2 V	4-4-4	Set 2 OLS	Good
03 10 1				6.2	K2	-	Set 1 Ho Bin	7 Porseid Meteors in about 12 ^{sec} 02 24 Northern lights 02 05
03 11 1						-	3 "	
03 30 4	0 35 E		0			6-6	6 "	OK.
04 11 4	0 02 E	24 00	0			-	9 "	
						15/10	Set 9	FLASHLIGHT NEEDS BATTERIES
								4PH - E103a.0 + 8

Date 1954 Aug 4-5 Wed-Thurs Observer (Ry) MR Julian Day 2434.959

Dome Temp 70°
Focus 15.75
Dome Temp

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21561	V566 Ori	17 51.9	5.00	I-25	E-103	016	24.7	20 27		+

Hour Angle
End

(MR)
Mn
Ry - K

Date 1954 Aug 5-6 Thur-Fri Observer Ry - K Julian Day 2434.960
 @ 132 56 25.3 3449.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21561	V 566 Okh	17 51.9	5 00	I-25	E-103a-0	016	+22.8°	20:31	21:21	2	0° 05 W
21562	V 805 Aql.	19 00.7	-11° 44'	I-25	E-103a-0	004	+22.8°	21:30	22:30	3	0° 20 W
21563		V 548 Cyg	19 51.6	+54 32	E-25	E-103a-0	016	+22.4°	22:43	22:29	3
21564	HD 220229	23 17.8	-11° 19'	I-25	E-103a-0	004	+22.8-6	23:43	03:35	4	0° 50 W
21565	HD 16160	02 30.6	+6 25	"	"	"	+22.8	03:47	04:12	4	1° 45 E
	Focus Test	OT 5		"	"	"	+22.8			4	

Dome Temp. 70°

Transparency Conditions Good

Focus 15.752

Dome Temp. +64°F

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 ^h 05 W	+4° 59	1	7.5/8.1	F5	2-2-2	Set 8 Ed. Bin. [5 min. of V566 out of focus at set 2]	fine
0 ^h 06 W	-11° 44	0	7.5/8.5	A ₂	4-4-4	Set 2 Ed. Bin.	good
0 ^h 12 W	+54° 41	1	9.2/9.7	A ₀	3-1-2	Set 8 Ed. Bin.	fine
0 54 W	-11° 02	0	9.1	K ₂	4-4-4	Set 2 OLS TRANSIT 02:41	good
1 41 E	+6 41	0	6.81	dK4	4-4-4	Set 5 OLS Slight Haze 03:45	fine
					15/10	Set 9	
						Was photo in spotter spotted?	
						It is now in PH #3 Yes.	
						3PH-E103e-0 + ? (40)	

Date Friday Aug 6-7, 1954 Observer L. Ry M. Julian Day 24249.61
 0133' 53 54.5 3450.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21566	V 566 Oph.	17 51.9	+05 00	I-25	E-103aD	set .016	22.9	20 30	21 20	1	0 08W
21567	V 805 Cyg.	19 00.7	-11 48	"	"	.008	22.9	21 26	22 26	1	0 05W
21568	V 548 Cyg	19 54.6	54 32	"	"	.016	22.8	22 40	23 40	2	0 27W
21569	HD 198084	20 42.9	+57 13	I-25	"	0.008	22.7	00 06 40	00 08 40	3	
	"							00 08 55	00 12 55	"	
	"							00 14 13	00 22 13	"	0 28
21570	ε Cephei	22 46.1	+65 40	"	"	"		00 30 25	00 31 25	4	
	"							00 31 45	00 33 45	"	
	"						23.0	00 34 20	00 38 20	"	0 27E
21571	λ And.	23 32.7	46 05	"	"	"		00 55 24	00 56 54	1	
	"						22.9	00 57 34	01 00 34	"	
	"							00 59 42	00 56 42	"	0 45E
21572	μ Cygni	21 39.7	+28 17	"	"	"		01 20 44	01 22 14	2	
								01 23 00	01 26 00	"	
							22.9	01 27 10	01 34 15	2	0 35W
21573	34 Peg.	22 21.5	+03 53	"	"	"	22.2	01 50	02 06	1	0 25W

Dome Temp. 69°F Focus 15.755

Dome Temp.

Transparency Conditions *Good*

134

50-0

Ending Time P.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 25	0 08W	04 58	0-1	$78/8.1$	F5	2-2-2	Set 2. Ecl. Bin.	fine
22 25	0 05W	-11 44	0-1	$78/8.5$	A5	4-4-4	Set 8 " "	good
23 45	0 27W	54 40	0-1	$89/9.7$	A0	2-2-2	Set 2 " "	fine
		+57 24	1	5.0	G0	-	" 1 OLS Ry guiding	fine
						12	" 5	
	0 21W					-	" 9	strong
		+65 56	1+	4.5	K.III	-	" 1 OLS Ry	
						12	" 5	strong
	1 27E					-	" 9	
		+46 $11\frac{1}{2}$	1+	4.90	G8III-IV	-	" 1 OLS Ry	
						12	" 5	strong
	1 45E					-	" 9	
		+28 $30\frac{1}{2}$	1	4.9	F5	-	" 1 OLS Ry	
						12	" 5 Mo	strong
	0 35W					-	" 9 Mo	
	0 25W	+04 08	1-	6.5	G0	4-4-4	" 5 OLS Mo	fine

Date 1954 Aug. 6-7 Fri-Sat Observer R_y Mc

Julian Day 243496.1

0133 53 54.5 3450.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21574	λ Pegasi	22 41.7	+23 02	I-25	E103a-0	0-008		02 15 15	02 16 25	2	
	"						+22.7	02 16 45	02 18 45	"	
	"							02 19 05	02 23 05	"	0 22 W
21575	5 ⁶ Pegasi	22 41.7	+11 40	"	"	"		02 27 40	02 29 10	3	
	"						+22.7	02 29 35	02 32 25	"	
	"							02 32 41	02 38 41	"	0 35 W
21576	σ Pegasi	22 47.4	+09 18	"	"	"		02 43 55	02 45 25	4	
	"							02 46 05	02 51 05	"	
	"						+22.7	02 52 10	03 02 50	"	00° 42 56 W
21577	1 Piscium	23 34.8	+05 05	"	"	"		03 12 10	03 13 10	1	
	"							03 13 29	03 15 29	"	
	"						+22.7	03 15 40	03 19 40	"	00 24 W
21578	η Cass	00 42.0	+57 17	"	"	"		03 52 32	03 53 12	2	
	"							03 55 30	03 56 30	"	
	"						+22.7	03 57 05	03 07 05	"	00 45 W

Dome Temp

Focus

Dome Temp

Hour Angle
End

Dome Temp.....

Transparency Conditions..... Excellent.....

Focus.....

Dome Temp.....

4 35

3450 0

Ending Time
LST. P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+ 23 17 1/2	1	4.7	Ge III	-	Sat 1 OLS Ry	
					12	" 5	<i>fine</i>
0 22 W					-	" 9	
	+ 11 56	1	4.69	F7 IV	-	1 OLS Ry	
					12	5	<i>fine</i>
0 38 W					-	9	
	+ 09 35	1	5.5	F5	-	1 OLS Mo	<i>weak</i>
					12	5	<i>fine</i>
00?? 02 56 W					-	9	
	+ 05 24	1	4.64	F7 V	-	1 OLS Ry	
					12	5	<i>fine</i>
00 26 W					-	9	
	+ 57 34	1	4.03	G.V	-	1 OLS Mo	<i>quivering!!</i>
					5		<i>strong</i>
00 04 E					9		

Date 1954 Aug 6-7 Fri Sat Observer ^{Ry} JTB Julian Day 24349.61

0133 53 54.5 3450.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21579	M Cass	01 01.6	+54 26	I-25	F103a-C	0.008		04 13 45 ³	04 16 45	3
	"							17 10 ⁶	23 10	"
	"						+22.8	04 23 5 ¹²	04 35 35	"
	Focus Test	OTB					+22.6			"

Dome Temp.
Focus...
Dome Temp.

Hour Angle
End

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

3450 0

Ending Time
LAT.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+54 40	1	5.71	G ₅ V _p	-	Set 1 OLS Mo	
					12	4 Ry	<i>strong</i>
0 14 1/2 W					-	7 Ry	
					15/10	10 1/2	

Date Sat. Sun. Aug. 7-8, 1954 Observer A. O. Mo Julian Day 24349.62
 0134 51 24.5 3450.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21580	V. 548 Cyg	19 54.6	+54.32	f-25	EK2-0	ST 016	+24.0	22 22	23 06	4	6.00 E
21581	o Draconis	19 32.6	+69 29	f-25	"	008	+23.9	23 14 00	23 17 30	1	
		"	"	"	"	"	"	23 17 45	23 24 45	"	
		"	"	"	"	"	"	"	23 25	23 42	"
21582	6 Cap.	20 12.5	-12 51	"	"	"	"	23 51 20	23 52 05	2	
		"	"	"	"	"	"	23 52 45	23 54 15	"	
		"	"	"	"	"	"	23 55 00	23 58 00	"	0.36 W
21583	17 Cyg	19 42.6	+33 30	"	"	"	+23.9	00 05 35	00 07 35	3	
		"	"	"	"	"	"	00 07 55	00 11 55	"	
		"	"	"	"	"	"	00 12 15	00 20 00	"	1.22 W
21584	15 Sge	19 59.6 ⁷	+16 48	"	"	"	"	00 23 40	00 26 40	4	
		"	"	"	"	"	"	00 37 10	00 43 10	"	
		"	"	"	"	"	"	+23.8 00 44 00	00 56 00	"	1.4 W
21585	HD 207370	21 43.3	+31 04	"	"	"	+23.6	01 10	02 30	1	1.31 W

Dome Temp. -6
 Focus 15.7
 Dome Temp.

Dome Temp. +68°

Focus 15.770

Dome Temp.

Transparency Conditions Good

Alert 400 visitors shown M13

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 03 E	+34 41	2	9.7	A0	2-2-2	St 5 Eclipsing Binary ^{0 guide} NUMBERED 2381	fine
	+69 33	2	5.47	K0		St 4 OLS ^{M 9.11.9} 0.616 513. file start on st 1	
	"	"	"	"	12 ^s	" 7 7	fine
0 56 W	"	"	"	"	" 10	14	
			4.4	G9		1 OLS	
					12 ^s	" 5 30	good
0 30 W	-12 41					" 9 120	
		2	5.45	F5		" 1 OLS	
					12 ^s	" 5 4	strong
1 22 W	+33 36					" 9 9	
	+16 57	2-	6.1	G0		1 OLS Check field. It checks.	
					12	5	fine
1 41 W						9	
1 31 W	+31 20	1	5.2	B:e	4-4-4	5 MR B:e	fine

Date 1954 Aug 7-8 Sat Sun Observer Mc Julian Day 24349.67
 @ 134 51 24.5 3450.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21586 C	85 Pegasi	23 56.4 ⁸	+26 34 ³⁴	1-25	E10340	0.008		02 40 10	02 45 10	2
	"						+23.6	02 46	02 56	"
	"							02 56	03 16	"
21586 F	Focus Test	O.T.B.		"	Hi-Speed	"	+23.5			2

Dome Temp
 Focus
 Dome Temp +6
 Hour Angle
 End

Dome Temp.....

Transparency Conditions Excellent
Occasional small cloud.

Focus.....

Dome Temp. +64°F

Ending Time
R.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+26 51	2	6.41	G ₂ V		Set 1 OLS	
					12	5	<i>strong</i>
0 04W		2+				9 Through clouds for last 4 min.	
					30-20	" 5	<i>all right</i>
						Sky completely covered with clouds by 3:25	
						3 P.H. loaded.	
						1954 Aug. 9 MC : SC S MTW STW SW ME.	
						-14.5 -2.5 -12.1 -35.5 -0.6 +5 +3.4	

Date Mon-Tue Aug. 9-10, 1954 Observer Mn Julian Day 2434964

0136 46 27.0 3452.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21587	V 548 Cyg.	19 ^h 54.6	+54° 32'	I-25	E-103a-0	.016	+22.8°	1:26	1:38	3	
	Focus Test	O.T.B.		I-25	"	"	+22.3°			3	

Dome Temp...
Focus...
Dome Temp...

Dome Temp. +6.8° F.

Focus... 15.752

Dome Temp. +6.6° F.

Transparency Conditions... Sky cleared, 2:30, clouded 0:30-1h, cleared again.

Reading Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
11:58	2h:37 W	+54° 40	0	8.9 / 9.7	A ₀	2-4	<p>Clouded, 1:38. High cloud obscures all but brightest stars. Lightning in west, 1:50</p> <p>Ed. Bin. Set 2</p> <p>Set 9.</p> <p>I have entered this plate on the program though I doubt that there is anything on it. Cleared & clouded again, 2-2:30</p> <p>4 ph. with E 1030-0 + 2 in refrig.</p> <p>Aug. 10-11 Many breaks in clouds but none large enough to get a plate. At one time clear sky overhead and rain! Leave up at 4:30 EDT</p> <p>MK - Mo</p>	Too wk.																
							<p>Aug. 11</p> <table border="0"> <tr> <td></td> <td>ME</td> <td>SC</td> <td>HTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td></td> <td>-10.5</td> <td>-7.4</td> <td>+11.0</td> <td>+3"</td> <td>-13.4</td> <td>+36"</td> <td>+3.2</td> </tr> </table> <p>Aug. 11-12. Frequent breaks in clouds, high wind. Clouded in about 3, E.S.T. - Mn.</p>		ME	SC	HTW	STW	S	SW	ME		-10.5	-7.4	+11.0	+3"	-13.4	+36"	+3.2	
	ME	SC	HTW	STW	S	SW	ME																	
	-10.5	-7.4	+11.0	+3"	-13.4	+36"	+3.2																	

Date Thurs-Fri Aug 12-13, 1954 Observer MR - K Julian Day 2434967
K - MR 0 139 39 07.5 3455.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21588	V 566 Oph	17 ^h 51.9 ^m	+5° 00'	I-25	103a-0	^{cut} .016	+20.0°C	20:09	20:59	1	0 10 W
21589	V 805 Aql	19 00.7	-11 48	"	"	^{set} .008	+20.0	21:05	22:05	1	0 08 W
21590	σ Dra	19 32.6	+69 29	"	"	"	+20.0	22 21 45	22 23 45	2	-
	"	"	"	"	"	"	"	22 25 00	22 29 00	"	-
	"	"	"	"	"	"	"	22 31 00	22 39 00	"	0 10 W
21591	β Aql	19 50.4	+6 09	"	"	^{ok} .008	+19.9	22 49 52	22 50 40	3	-
	"	"	"	"	"	"	"	22 51 20	22 52 56	"	-
	"	"	"	"	"	"	"	22 57 30	23 00 42	"	0 10 W
21592	δ Eqa	21 09.6	+9 36	"	"	"	19.8	23 09 00	23 10 06	4	-
	"	"	"	"	"	"	"	23 11 20	23 13 32	"	-
	"	"	"	"	"	"	"	23 16 10	23 20 39	"	0 45 E
21593	61 Cyg A	21 2.4	+38 15	"	"	"	19.8	23 37	23 57	1	0 00
21594	61 Cyg B	"	"	"	"	"	"	23 58	0 28	1	0 30 W
21595	μ Cyg	21 37.7	+28 17	"	"	"	19.7	0 38 00	0 39 24	2	-
	"	"	"	"	"	"	"	0 40 03	0 42 51	"	-
	"	"	"	"	"	"	"	0 44 25	0 50 00	"	0 10 W

Dome Temp. 67°F

Transparency Conditions *Excellent*

Focus 15.711

Dome Temp.

967
3455-6

Ending Time R.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21:07	0 10 W	+5° 00'	1	7.8/8.1	F5	2-2-2	Set 2 Hd Bin.	fine
22:05	0 08 W	-11 45	0	7.8/8.5	A2	4-4-4	Set 8 Hd Bin	good.
22:05	-	+69 33	2	5.47	K5V	-	Set 1 2" OLS	Set seems to be dirty
22:00	-	-	"	"	"	12	Set 5 2" OLS	fine
22:00	0 12 W	-	"	"	"	-	Set 8 8"	
22:00	-	+6 17	2	4.58	98T	-	Set 1 48S OLS	
22:50	-	-	"	"	"	12	Set 5 96S	fine
23:00	0 15 W	-	"	"	"	-	Set 8 3" 12S	
23:00	-	+9 49	2	4.9	F5	-	Set 1 66S OLS	
23:00	-	-	"	"	"	12	Set 5 132S	fine
23:00	0 46 E	-	"	"	"	-	Set 9 4" 24S	
23:07	0 00	+38 31	2	6.38	K5V	4-4-4	Set 2 OLS assume $M_{app} = 7.1$	fine
0:00	0 30 W	"	"	"	"	4-4-4	Set 8 " " = 7.5	fine
0:00	-	+28 30	1	4.9	F5	-	Set 1 84S OLS	
0:00	-	"	"	"	"	12	Set 5 2" 48S	fine
0:00	0 14 W	"	"	"	"	-	Set 9 5" 35S	

Date Aug 12-13 cont Observer _____ Julian Day 2434967
① 139 39 07.5 3455.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Angle End	D
21596	ε Peg	22 ^h 02.4 ^m	+24° 51'	I-25	103a-0	008	19.7	0 53 45	0 54 30	3	-	-1
	"	"	"	"	"	"	"	0 54 55	0 55 25	"	-	
	"	"	"	"	"	"	"	0 56 50	1 00 00	"	0 21 W	
21597	ε Peg	23 34.8	+5 05	"	"	"	19.7	1 04 40	1 05 40	4	-	-1
	"	"	"	"	"	"	"	1 06 30	1 08 30	"	-	
	"	"	"	"	"	"	"	1 09 30	1 13 30	"	1 17 E	
21598	γ Cep	23 35.2	+77 04	"	"	"	"	1 30 35	1 31 20	1	-	-1
	"	"	"	"	"	"	"	1 31 55	1 33 25	"	-	
	"	"	"	"	"	"	"	1 36 00	1 39 00	"	0 52 E	
21599	85 Peg	23 ^h 56.8 ^m	+26° 34'	"	"	"	19.6	2 27 0	2 33 0	2	0 20 E	
	focus Test		OTB	"	"	"	19.6					

Dome Temp
Focus
Dome Temp

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp. +59° F

167
455-6

Ending Time A.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 10 3	-	+25 07	1	4.20	F5V	-	set 1 45 ^s OLS	
0 11 25	-	-	"	"	"	12	set 5 1 1/2 ^m	guiding fine
0 12 20	0 01 W	-	"	"	"	-	set 9 3 ^m 10 ^s	
0 13 40	-	+5 20	1	4.64	F7V	-	set 1 1 ^m OLS	
0 14 30	-	-	"	"	"	12	set 5 2 ^m	good.
0 15 10	1 17 E	-	"	"	"	-	set 9 4 ^m	
0 16 40	-	+77 20	1	4.25	K1 IV	-	set 1 45 ^s OLS	
0 17 30	-	-	"	"	"	12	set 5 1 1/2 ^m	guiding fine
0 18 10	0 52 E	-	"	"	"	-	set 9 3 ^m	clouding over
0 19 00	0 20 E	+26 51	1	6.41	G2 V	-	Set 1 6 ^m OLS shot through cloud	Nothing
			1	"	"		Set 5 3:00 No use; cloud too thick	
						15/10	Set 9	all right

4PH - K1030 - 0 +4
 Mc SC H7M 5 SW ME
 Aug. 13 : -11.5 +5.5 +20.5 +.5^m -1.7 -19.5^s -.7^s

Date ~~Fri-Sat Aug~~ Aug 13-14, 1954 Observer ^{McC} O. Ry - K Julian Day 2434.968
 0140 36 43-1 3456-8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21600	V566 Oph.	17 51.9	+5 00	I-25	F10300	016	+23.2	20 05	21 00	3	0 30W
21601		"	"	"	"	"	+23.3	21 00	21 50	10	1 00W
21602	V548 Cyg	19 54.6	+54.32	I-25	E10300	016	+23.3	21 57	22 57	4	0 12W
21603	HD 207270	21 42.3	+31 04	"	"	008	23.3	23 17	00 47	4	0 12W
21604	HD 182488	19 19.8	+33 01	"	"	"	+23.1	0 57	1 35	1	3 24W
21605		HD 190360	19 59.5	+29 38	"	"	"	+23.0	1 45	2 05	1
21606	51 Peg	22 52.5	+20 14	"	"	"	+22.9	2 13	2 50	2	1 50W
	Hoens Test		OTB	"	"	"	+23.0			2	2 44 from Hrc

Dome Temp... 69°

Transparency Conditions... Scattered thin clouds.

Focus... 15.759

Dome Temp...

34567

Ending Time L.L.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 3	0 16 W	+4 57	1	7.8-8.1	F5	2-2-2	Set 1. <u>Gal. Bin. Focussed slit at 10!</u>	good
01 50	1 06 W	" "	0	" "	" "	2-2-2	" 8 "	good.
	0 12 W	+54 40	1	8.9/9.7	A0	2-2-2	" 2 " 94 = 2 spots on slit, appear white on photo in plate.	fin
01 49	0 12 W	+31 18 +21 18	1-0	8.2	B3e	4-4-4	Set 9 ^{M2? Be.} _{Hd S} Exposing thru. large 0:00 hrs on	(weak) good
01 35	3 24 W	+33 08	0	7.2	K0	4-4-4	Set 1 OLS " " "	fin
01 25	3 14 W	+29 46	0	6.4	G8 II	6-6	Set 9 OLS " " "	fin
02 11	1 00 W	+20 30	0	6.21	G0	6-	Set 1 OLS Cloud too thick, can barely see star on slit 2:20	good
						15/10	Set 9	all night
								closing up 3:00
								check if 21602 & 21603 on same plate!
								4PH-E103 a-o + ?

2 44 from H.C.

Date Sun-Mon Aug 15-16, 1954 Observer O - K Julian Day 24349.70

0 142 31 57.9 3459.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21607	V805 Aql	19 00.7	-11 48	I 25	E103	008	+24.1	21 36	22 26	3
21608	" Her	17 42.5	+27 47	"	"	"		21 33	21 34	4
	"	"	"					21 34	21 36	
	"	"	"					21 37	21 39	
21609	99 Her	18 03.2	+30 33	"	"	"		21 46	21 48	1
	"	"	"					21 49	21 53	
	"	"	"				-24.0	21 54	22 02	
21610	V566 Oph	17 51.9	+5 00	"	"	S ₁ .016	+24.0	23 09	23 59	3
21611	HD 176051	18 53.3	+32 46	"	"	S ₁ .008		0 05	0 07	2
								0 07 20	0 11 20	"
								0 11 41	0 19 41	"
21612	31 Aql	19 20.2	+11 44	"	"	"		0 23 28	0 25 58	3
								0 26 18	0 31 18	"
								0 31 32	0 41 32	"
21613	B Cas	0 03.8	+58 36	"	"	"		0 58 12	0 58 16	4
								0 58 38	0 58 47	4
								0 59 11	0 59 31	"

Dome Temp

Focus

Dome Temp

Hour Angle
End

0 40 W

2 11 W

2 15 W

3 23 W

2 43 W

2 37 W

Dome Temp. +71°F

Transparency Conditions

Cloudy until 21^h 152

Focus 15.772

Dome Temp. 52.2

Ending Time L.S.T.	P.R.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 25		0 40 W	-11 44	1	7.8/8.5	A2	4-4-	Set 2. Edl Bin + Focus 15.752. 1 new night.	good
				1+	4.17	G5V		Set 1 35 ^s OLS are not working well.	fine
								5 70 ^s	
		2 11 W	+27 44	"		"	12 ^s	9 140 ^s	
				1-2	5.56	F8		" 1 2 ^m - OLS	
					"	"	12 ^s	" 5 4 ^m	strong
		2 15 W	+30 33		"	"		9 8 ^m	
		3 23 W	+5 00	1	7.4/8.1	F5	2-2-2	" 8 Edl Bin.	fine
			+32 51	2	5.7	G6V	-	" 1 2 ^m OLS	
							12	" 5 4	quidney 1 fine
		2 43 W					-	" 9 8 ^m	Please adjust iron arc
			+11 52		5.8	G8V	-	" 1 2 1/2 ^m OLS	
							12	" 5 5	strong
		2 37 W		2				" 9 10	
					2.60	F2V		" 1 4 ^m OLS	
								5 9 ^m	fine
								9 20 ^m	

Date Aug. 15-16 (cont.) Observer O - K Julian Day 2434970
 © 142 31 57.9 3459.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21614	B Leo	0 03.9	+58 36	1-25	F103a-0	SJ .005		1 02 36	1 02 42	1	
	"							1 03 01	1 03 15	"	
	"							1 03 38	1 04 08	"	1 44 E
21615	η Leo	0 43.0	+57 17	"	"	"		1 10 39	1 11 09	2	
								1 11 31	1 12 31	"	
								1 13 35	1 15 35	"	2 11 E
{ 21616	51 Peg	22 52.5	+20 14	"	"	"	24.1	1 27	1 37	3	0 00
{ 21617	HD 3765	0 35.3	+39 40	"	"	"	24.0	1 50	3 02	3	0 11 E
21618	HD 30353	4 41.8	+43 06	"	"	"	24.0	3 25	4 15	4	3 11 E
	Focus Test	OTB		"	"	"	24.0			"	

Dome Temp.....

Transparency Conditions.....

Focus.....

clouding in 1:15
Broken cloud rest of night

Dome Temp. 76.6° F

970
4595

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			2	2.60	F ₂ V	-	Set 1 6 ^{sec} OLS	
			"	"		-	" 5 14 ^s	Strong
1 44 E	+58 52		2			12	" 9 30 ^s	
	+57 33			4.03	G0 V	-	Set 1 1/2 ^m OLS	
						12	5 1 ^m	fine
2 11 E			2-1			-	9 2 ^m	
0 00	+20 31		1	6.21	G0	4-4-4	Set 2 10 ^m OLS	Strong
0 11 E	+39 58		1-2	8.2	K ₂ V	4-4-4	Set 9 OLS	Strong
3 11 E	+43 12		1	8.3	G0 p	4-4-4	Set 1 15/10 " 9 Bidelman's: In haze + Barely visible at 4:00	good light

2PH - K1020-0 + 4

1954 Aug. 16 MC SC S MTW STW SW ME
 -13.2 -3.7 -11.6 +20.0 +0.1 +50.5 +2.9

Date Mon - Tue / Aug 16-17 / 1954 Observer Ho - Mo Julian Day 2434971
 0143 29 37.4 3460-9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21619	{ V 566 Dph	17 51.9	+05 00	I 25	F103a0	set '016	+21.5	20 01	21 04	1	20 31 W
21620	{ V 805 Dgl	19 00.7	-11 48	"	"	set '008	+21.5	21 13	22 30		20 48 W
21621	{ HD 193664	20 16.4	+66 31	"	"	"	+21.7 +21.7	22 48	23 06	2	20 12 W
21622	{ HD 220339	23 17.8	-11 19	"	"	"	+21.5	23 20	02 50	"	0 53 E
21623	{ HD 214850	22 35.9	+14 01	"	"	"	+21.2	03 01	03 13	3	1 51 W
21624	{ HD 217166	22 53.5	+08 50	"	"	"	+21.0	03 18	03 46	"	2 13 W
21625	{ V Andromedae	01 30.9	+40 54	"	"	"		03 59 30	04 00 30	4	
	"							04 01 00	04 03 00	"	
	"							04 04	04 02 00	"	0 02 E
21626	{ 8 Trianguli	02 10.8	+33 46	"	"	"	+21.0	04 20 00	04 22 30	1	
	"							04 23 30	04 28 30	"	
	"							04 30	04 40	"	0 01 E
	Focus Test	O.T.B.		"	"	"	+21.0			"	

Dome Temp.

Focus 1573

Dome Temp.

Hour Angle
End

Dome Temp. 66°F

Transparency Conditions Fair

Focus 15732

Dome Temp.

Sery - The management with the 12" camera on for Tuesday night August 17th

Ending Time P.M.
L.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00	31W	+04 59	0	7.8/8.1	F5	2-2-2	{ Set 2 Ecl. Bin. - Field as in 21505	fine
00	48W	-11 44	0-00	7.8/8.5	A2	4-4-4	{ Set 8 Ecl. Bin. - Field as in 21506	fine
00	12W	+66 39	0	6.5	F8	4-4-4	{ Set 2 O.L.S. - Run a little north to stop flares.	later than
0	53W	-11 03	0	9.1	K2	4-4-4	{ Set 8 O.L.S. This star is rather close to the moon tonight. The first half exposure could have been this exposure immediately after V805 A1 (C)	fine
1	57W	+14 17 1/2	1	6.1	G5	4-4-4	" 1 O.L.S.	fine
2	13W	+09 03 1/2	0	6.9	G0	4-4-4	" 8 OLS	fine
		+41 10	1	4.62	G2V	-	" 1 OLS	
						12	" 5	later than
0	02E		0			-	" 9	
		+34 00	1	5.48	G0		0 OLS	
						12	3 1/2	later than
0	11E					15-10	-7	3 P.M. loaded
							10 1/2	

Date June Aug. 17-18/54 Observer L. Ma Julian Day 24349.72

0144 27 18.3 3462-5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle Est
21627	HD 173637	18 41.2	-08 02	I-12 $\frac{1}{2}$	F-103A0	set .016	+19.9	20 21	21 55	2	0 36 W
21628	" 186841	19 41.7	23 50	"	"	"	+19.9	21 58	22 52	2	0 34 W
21629	BD +35° 3966	20 01.2	35 28	"	"	"	+19.9	22 57	00 07	3	1 29 W
21630	HDE 229238	20 20.4	+38 13	"	"	"	+19.9	00 15	01 41	"	2 45 W
21631	HD 202349	21 10.1	+37 21	"	"	0.008	+19.6	01 48	02 02	4	2 16 W
21632	AG 13221	22 54.8	+29 33	"	"	"	+19.7	02 07	03 21	1	1 30 W
21633	HD 9138 No. 507	01 24.9	+05 38	"	"	"	+19.7	03 28	03 32	"	0 29 E
21634	BD +47° 809	03 14.7	+47 36	"	"	"	+19.8	03 46	04 34	2	1 18 E
	Focus Test	C.T.B.		"	"	"	+19.9			"	

Dome Temp.

Focus 12

Dome Temp.

Dome Temp... +68°F

Transparency Conditions *Good*

Focus... 12.971

Dome Temp... +54°F

Aug 17 Changed to 72 1/2" Camera 25" was Focus 15.732 12 1/2" Focus 12.971
 Felt 23.15 Felt 20.35

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0	36W	-07 59	0	9.63	B, V	1-1-1	Set 2. OB. prog.	fine
0	34W	23 58	0	9.0	B, IA	1-1-1	" 8 " "	strong
1	29W	35 38	0	9.1	B _{0.5} V	1-1-1	" 2 " "	fine
2	45W	+38 20	1	9.6	B _{0.5} I _b	1-1-1	" 8 " "	fine
2	16W	+37 34	1	7.2	B _{0.5} I _b	2-4	" 2 " "	strong
1	51W	+29 50	1-0	8.72	G ₅	2-2-2	" 2 AG 25	good
0	29E	+05 32	1	6.19	K ₄	6	" 8 Std. Vel. <small>5th within 10° of moon during exposure</small>	good
1	18E	+47 43	0+	8.3	A ₀	2-2-2	" 2 α Persei	strong
						8-6	" 10 1/2 The finder-field circle for α Persei cluster is broken.	all right

4 P.H. Loaded.
 Aug. 18 Me cc MW STW SW S ME
 -9.3 +8.2 +18.2 +1.1" +12.0^s -2.0 +2.4

Date *Thurs. Fri. Aug 19-20 1954* Observer *O-K* Julian Day *2434.974*
 0146 22 44.9 3465.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21635	HD 173783	18 42.0	-09 25	1.12	E103a-O	^{Slit} .016	+24.8	20 12	21 52	3	0 4 N
21636	HDE 227704	20 02.9	+34 38	"	"	"	+24.8	21 56	22 26	3	1 5 E
21637	HDE 229221	20 20.1	+38 11	"	"	"	+24.7	22 33	23 43	4	1 55 W
21638	HDE 229239	20 20.4	+38 11	"	"	"	+24.6	23 45	0 45	4	1 5 W
21639	HD 205316	21 29.4	+25 28	"	"	.008	+24.7	1 02	2 02	1	2 5 W
21640	AS 13821	22 54.8	+29 33	"	"	"	+24.4	2 10	3 10	1	1 17 W
21641	HD 14456	2 15.0	+28 04	"	"	"	+24.4	3 19	4 15	2	0 28 E
21642	HD 3765	0 35.3	+39 40	"	"	.016	+24.5	4 22	4 46	2	1 11 W
	<i>Focus Test</i>	<i>O.T.B.</i>		"	"	"	+24.3			2	

Dome Temp. +72°F

Focus 12.972

Dome Temp. +60°F

Transparency Conditions *good*

Settled cloud 1:15 on

3465-7

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0	41 W	- 9 21	0	9.7	B ₉ I	1-1-1	Set 2 OB	<i>weak</i>
0	05 E	+34 46	1	8.8	B ₀ II	1-1-1	" 8 OB	<i>good</i>
0	55 W	+38 19	2	9.9	B ₀ I	1-1-1	" 2 OB	<i>good</i>
1	57 W	+38 18	2	9.6	B ₁ I	1-1-1	" 8 OB ← I FOUND SLIT SET AT	<i>good</i>
2	05 W	+25 39	1-2	8.68	K ₀	2-2-2	Set 2 AG <u>0.006</u> (comparison)	<i>good</i>
1	47 W	+29 49	1-0	8.72	G ₅	2-2-2	" 8 AG	<i>weak</i>
0	28 E	+28 48 ¹⁸	1	8.56	G ₀	2-2-2	Set 2 AG	<i>fine</i>
1	43 W	+39 56	1	8.52	K ₅	1-1-1	" 5 Std. Vel	<i>fine</i>
						4/3	" 9	<i>all right</i>

Aug. 20 $\begin{matrix} \text{HC} & \text{SC} & \text{RTW} & \text{STW} & \text{SW} & \text{HE} \\ -16.2 & +19.1 & +17.8 & +.4^m & +7.3 & +33.3 & +4.7 \end{matrix}$

all comparisons

weak. worse by

50%

Dome Temp. 65°

Focus 12.972

Dome Temp.

Transparency Conditions *Clearing about midnight*

Scattered clouds all night.

3467.5

Hour	Angle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
02	50W	+43 12	0	10.2	B ₀ K	1-1-1	SEL 2	Matthews star	strong
00	14W	+54 55	0	8.9	C-B _{2.5}	2-2-2	5	Matthews star	strong
						8/6	9		
							CPH + 4		

Date Sat. Sun Aug 21-22, 1954 Observer MR - K Julian Day 24349.76
K 0148 18 18.1 3469.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
{ 21645	BD +35° 3956	20 01.2	+35 28	1-12½	E1030-0	^{ret} .016	+24.4	22 33	23 33	4	1 45 W
{ 21646	HDE 229221	20 20.1	+38 11	"	"	" ^v	+24.2	23 44	1 14	4	2 13 W
21647	{ HD 205139	21 28.3	+60 01	"	"	"	+24.2	1 28 00	1 28 30	1	-
"				"	"	"	1 30 13	1 31 13	1	-	
"				"	"	"	1 33 30	1 35 30	1	1 45 W	
21648	{ BD 47° #104 776	3 04.3	+47 45	"	"	.008	+24.4	2 56	3 26	2	2 06 E
	{ Focus Test		DTB			.016	+24.4				

Dome Temp. +70°F

Focus 12.971

Dome Temp. +66°F

Transparency Conditions Good, sl. hazy in S. + NE

Getting quite hazy 0:45

350 visitors; showed M13 + ... in RASC 'scopes

Ending Time L.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 33	-	1:10 W	+35° 36'	1	9.1	Bo.5 V	1-1-1	Set 2 OB.	fine
1 14 4		2:34 W	+38-19	1-2-1	9.9	Bo. I:pe	1-1-2	Set 8 OB.	fine
29 30	1	-	+60 13	1	5.3	Bo. 5-G	4	Set 2 Std. Vel 30 ^s	
1 31 8		-	-	1	"	"	4	" 5 " 60 ^s	fine
36 30		1 48 W	-	1	"	"	4	" 8 " 2 ^m	
2 00 2		2 00 E	+47 50	1	8.6	F0	2-4	Set 2 Too Hazy can't see field	too weak
							4/3	Set 8 Hazy is clearing a little 2:45	
								Can't see stars on slit 3:26	
								3PH - E103a-0 + 0	

Date Sun - Mon Aug 22-23 '54 Observer MR - K Julian Day 2434.977

① 149 16 07.3 3470.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21649	HD 186841	19 ^h 41. ^m 7	+23° 50'	I-12½	103a-0	set .016	+23.20	21:26	22 24	3	0 24W +
21650	HD 198478	20 45.5	+45 45	"	"	"	"	22:32	20 ^s	4	-
	"	"	"	"	"	"	"	22:34	40 ^s	"	-
	"	"	"	"	"	"	"	22:36	80 ^s	"	0 25E
21651	HD 202349	21 10.1	+37 21	"	"	set .008	23.2	22:49	22:59	3	0 25E +
21652	HD 229227	20 20.2	+38 08	"	"	set .016	23.2	23:10	1:22	1	2 45W +
21653	BD 47 ^{° #151} 780	3 05.3	+47 32	"	"	set .008	23.2	1:43	3:09	2	2 55E -
21654	BD 48 ^{° #167} 862	3 05.9	+48 42	"	"	"	23.2	3:15	3:49	2	1 35E -
21655	HD 30353	4 41.8	+43 06	"	"	"	23.2	4:00	4:50	3	2 10E +
	Focus Test	OTB		"	"	"	23.2			3	

Dome Temp. +68°

Focus 12971

Dome Temp. +63°F

Transparency Conditions *Clds at sunset, clearing about 21^h.*


Scattered cloud and haze until 0:15 clearing 1:00

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22:24	0 24W	+23° 56'	0	9.0	B1a	1-1-1	Set 2 OB	<i>strong</i>
25	-	+45 55	0	4.7	B25G	3	Set 2 Std Vel.	
45	-	-	-	"	"	3	set 5 "	<i>fine</i>
25	0 25E	-	-	"	"	3	set 8 "	
22:29	0 28 E	+37 33	0	7.2	B05V	2-2-2	Set 8 OB	<i>fine</i>
1:22	2 45W	+38 17	0	9.9	B0II	1-1-1	Set 2 OB	<i>fine</i>
3:09	2 15E	+47 38	0	8.8	F1	2-2-2	Set 2 α Persei	<i>fine</i>
3:49	1 35E	+48 49	0	7.9	A	2-2-2	" 8 "	<i>fine</i>
4:50	2 10E	+43 11	0-1	8.3	Gop	2-2-2	Set 2 Bidelman's *	<i>strong</i>
						8/6	" 8	<i>all night</i>

Stopped exposure 0:25, not visible on slit. Resumed 0:37

Aug 23

MC	SC	S	MTW	STW	SW	ME
-17.8	+12.1	-03.4	+17.0	+0.1	+38.5	


 GERRY: something wrong with declination buttons marked? motor runs but would not move telescope even when clamped. Had to keep unclamped & push by hand

2PH-E1030-0 + 8

Date Tue-Wed Aug 24-25 1954 Observer MR - Hr Julian Day 24349.79

☉ 151 11 50.9 3474.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21656	HD 229238	20 ^h 20. ^m 4	+38° 13'	I-12 1/2	103a.0	0.16	425.4	23:49	01:35	11
21657	" 229239	"	38 11	"	"	"	28.5	01:35	02:00	"
	<i>Focus Test</i>			<i>1953</i>					<i>STARTING</i>	

Dome Temp

Focus

Dome Temp

Hour Angle
End

3 32 W

Date Thurs-Frid Aug 26-27, 1954 Observer O, Mr - K Julian Day 2434.981

0153 07 41.2 3477.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21658	S Her	16 37.5	+31 47	f-25	E103a-0	^{Slit} 0.008	22.4	19 46	19 47	1	
								19 48	19 49		
								19 50	19 51		
21659	γ Her	16 39.5	+39 07	"	"	"		19 59	20 00	4	
								20 00	20 01		
								20 02	20 05		
21660	72 Her	17 16.9	+32 36	"	"	"		20 15	20 24	2	
21661	17 Cyg	19 42.6	+33 30	"	"	"	+22.3	20 31	20 33	1	
	"							20 34	20 38		
	"							20 39	20 47		
21662	V805 Aql	19 00.7	-11 48	"	"	"	22.3	20 51	21 51	3	
21663	V 542 Cyg	19 54.6	+54 32	"	"	0.016	22.3	22 14	23 14		
21664	HD 211476	22 12.2	+12 23	"	"	0.008	22.0	23 33	00 15	4	
21665	HD 207966	21 47.9	+41 54	"	"	"	21.8	0 25	2 15	4	
21666	HD 220334	23 17.8	+20 01	"	"	"	21.8	2 25	2 49	1	
21667	HD 217166	22 53.5	+8 50	"	"	"	22.0	2 57	3 19	1	

Dome Temp. 60°F

Transparency Conditions *good*

Focus 15.742

Aug 26 Changed to 25"

Dome Temp. *John Day*

Observer

12" wave

*12-172
Tilt 22.4*

*25"
15.725
23.15*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0	346	G0IV		ET 1 20 OLS	
					12	5 40	<i>good</i>
01 13W						9 80	
		0	4.2	G8		1 40 " Calib bad.	
			4.		12 ^s	5 80	<i>good</i>
01 25W						9 160	
1 06W	+32 30	0	6.01	G0	4-8	" 2 " Calib bad.	<i>good</i>
		0-1	5.45	F5		" 1 2 ^m "	<i>fine</i>
					12 ^s	5 4	
0 56 E	+33 38					9 8	
00 50 W	-11 43	0	⁷⁸ / ₈₅	A2	4-4-4	" 2 Ecl. Binary, Calib Bad.	<i>weak</i>
01 19 W	+54 40	0	⁸⁹ / ₉₇	A0	2-2-2	" 8 Ecl Bin	<i>good</i>
0 02 W	+12 37	0	7.0	G2	4-4-4	Sat 2 OLS	<i>too weak</i>
2 27 W	+42 08	0-00-0	8.4	G5	4-4-4	" 8 OLS	<i>too weak</i>
1 30 W	+20 18	0	7.0	G0	4-4-4	Sat 2 OLS	<i>good</i>
2 25 W	+9 06	0	6.9	G0	4-4-4	" 8 OLS	<i>weak</i>

Date *Fri Aug 27-28 1957* Observer *L* Julian Day *24349.82*
 0154 05 38.8 3479.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21669	V 566 Oph	17 51.9	+05 00	I-25	E-103A ₀	<i>let</i> .016	21.8	19 55	20 51	3	1 02W
21670	V 805 Aqu.	19 00.7	-11 48	"	"	.016	21.8	20 56	21 34	3	0 35W

Dome Temp.

Focus 157

Dome Temp.

Hour Angle
End

Dome Temp. +6.7°F

Transparency Conditions *Haze*

Focus 15.737

Dome Temp.

2
791

Ending Time
L.S.T. P.H.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1 02W	04 58	0	7.881	F5	2-2-2	Set 2 Ellipsing Binary	good
0 35W	-11 46	0	7.885	A2	2-2-	" 8 " " Some clouds	good.
Sky clouding over. 4 P.H.s loaded + 8							

Date Sat-Sun, Aug 28-29, 1954 Observer K^N - K Julian Day 2484983

⊙ 155 03 37.9 3480.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21671	HD 200894 +15° 4325	21	01.2 +15 25	1-25	E1030-0	0.008	22.4	22 32	0 20	4
	Trans Test		OTB.	"	"	"	21.5			

Dome Temp. +6
Focus 15.75
Dome Temp. +6

Hour Angle
End

20W

Dome Temp. +66°F

Focus 15.755

Dome Temp. +64°F

Transparency Conditions *Hazy, some cloud*

300 Visitors *showed B eye in 74" & Mars in 4"*

3480 B

Ending Time
L.S.T.

0:40

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
1 26W	+15 37	1-2	8.95	A5P	4-4-4	Set 2 Harvard "G" region <i>stopped 0:20 by cloud</i>	<i>weak</i>																								
					15/10	" 8 completely cloudy closing up 0:45	<i>all night</i>																								
3PH - E1030-0 + 8																															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Aug. 30</td> <td>MC</td> <td>SC</td> <td>S</td> <td>MTW</td> <td>STW</td> <td>SW</td> <td>ME</td> </tr> <tr> <td></td> <td>-22.0</td> <td>+10.8</td> <td>-15.0</td> <td>+24.6</td> <td>+0.2</td> <td>+18.5</td> <td>-6.0</td> </tr> <tr> <td style="text-align: left;">Sep. 1</td> <td>-23.6</td> <td>+12.3</td> <td>-16.7</td> <td>+31.2</td> <td>-0.1</td> <td>+01.5</td> <td>-4.7</td> </tr> </table>								Aug. 30	MC	SC	S	MTW	STW	SW	ME		-22.0	+10.8	-15.0	+24.6	+0.2	+18.5	-6.0	Sep. 1	-23.6	+12.3	-16.7	+31.2	-0.1	+01.5	-4.7
Aug. 30	MC	SC	S	MTW	STW	SW	ME																								
	-22.0	+10.8	-15.0	+24.6	+0.2	+18.5	-6.0																								
Sep. 1	-23.6	+12.3	-16.7	+31.2	-0.1	+01.5	-4.7																								

Date Wed-Thurs Sept 1-2, 1954 Observer Ho ⁰ Julian Day 24349.87
 ☉ 158 55 49.8 3486.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
								Correction = +1 ^m 30 ^s		
21672	η Dra	16 22.6	+61 44	I-25	E103a-0	slit '008	+22.0	19 33	19 34	1
	"	"	"	"	"	"	"	19 34	19 35	
	"	"	"	"	"	"	"	19 36	19 38	14W
21673	γ Ser.	18 16.1	-2 55	"	"	"	"	19 46	19 47	2
	"	"	"	"	"	"	"	19 47 ¹⁰	19 49	
	"	"	"	"	"	"	"	19 49	19 52	0 0 E
21674	η Ser.	18 51.7	-5 58	"	"	"	"	19 56	19 59	3
	"	"	"	"	"	"	"	20 00	20 07	0 21 E
21675	110 Her.	18 43.7 ^{41.4}	+20 27	"	"	"	+22.0	20 11 ⁰⁰	20 12	4
	"	"	"	"	"	"	"	20 12 ²⁰	20 14	
	"	"	"	"	"	"	"	20 15 ⁻²⁰	20 19	0 32 W
21676	15 Sge.	19 59.7	+16 48	"	"	"	"	20 26 ⁻¹⁵	20 29	1
	"	"	"	"	"	"	"	20 29 ³⁰	20 36	1 00 E
21677	6 Cap.	20 12.5	-12 51	"	"	"	"	20 41	20 42	2
	"	"	"	"	"	"	"	20 42 ⁰⁵	20 44	
	"	"	"	"	"	"	"	20 44 ⁰⁷		1 02 E

Dome Temp. *+68*

Transparency Conditions *good*

Focus *15.740*

Dome Temp.

34987
34866

Ending Time
E.S.T.
10-1-30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0+	3.5	G8		Ed 1 30° OLS * all EST 1 ^m 30 ^s	
			"		12 ^s	5 60 ^s slow	<i>fine</i>
1 41W	+61 35		"			9 2 ^m	
-	-2 56	0+	4.20	K0		" 1 45 "	
					12 ^s	5 90	<i>fine</i>
0 0E						9 3 ^m	
		1	5.8	K ₂ III		1 3 1/2 "	<i>fine</i>
0 21E	-5 55	'			6-6	5 7	
		1	466	F6		1 1 "	
			"		12	5 2	<i>fine</i>
0 02W	+20 30		"			9 4	
		2	6.1	G0		" 1 3 1/2 " south of 2 stars checked in 10 th catalogue	<i>fine</i>
1 00E	+16 57				6-6	5 7	
			4.4	G9		" 1 45 "	
					12 ^s	5 90	<i>fine</i>
1 02E	-12 42					9 13 ^m	

(CONT'D)

Date Wed. Thurs. Sept. 1, 2, 1954 Observer Ho Julian Day 24349.87

① 158 55 49.8 3486.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
								Correction = +1 ^m 20 ^s			
21678	γ Cap	20 40.2	-25 38	I-25	E103a-0	1008		20 52 ⁻¹⁵	20 53	3	
	"	"						20 54 ⁻¹⁰	20 57		
	"	"						20 57 ³⁰	21 03		13E
21679	μ Aql.	19 29.2	+7 10	"	"	"	+22.1	21 09 ³⁰	21 11	4	
	"	"						21 12 ⁻¹⁵	21 16		
	"	"						21 16 ⁰⁵	21 24		0 19W
21680	θ Cyg.	19 33.8	+49 59	"	"	"	+22.1	21 29 ⁻²⁰	21 29	1	
	"	"						21 30 ⁻²⁰	21 31		
	"	"						21 31 ²⁵	21 34		0 26W
21681	HD198084	20 42.9	-57 13	"	"	"	+22.1	21 38 ¹⁵	21 39	2	
	"	"						21 39 ²⁰	21 41		
	"	"						21 41 ²⁵	21 45		0 32E
21682	η Cap.	20 43.3	+61 27	"	"	"		21 51	21 52	3	
	"	"						21 52 ⁻¹⁰	21 53		
	"	"						21 53 ¹⁵	21 56		0 42E

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp..... Observer: [illegible] Date: [illegible]

187
34066

Ending Time
EST.
P.M.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20	53		0	4.7	F8		371 1 1/2 02 S	
20	57					12 ^s	5 3	fin
21	22	1 13 E -25 25					9 6	
21	1		2	5.6	K3		1 2 "	
21	18					12 ^s	5 4	fin
21	24	0 19 W +7 16	3	"			9 8	
21	31		3	4.8	F5		1 40 "	
21	31			"		12 ^s	5 80	fin
21	34	0 26 W +50 06		"			9 160	
21	38		3	5.0	G0		1 50 "	
21	45			"		12 ^s	5 100	fin
21	52	0 32 E +57 23		"			9 200 320	
21	53			4.35	K0		1 35 "	
21	53					12 ^s	5 70	fin
21	53	0 22 E +1 36					9 140	

(CONTD)

Date Wed. Thru Sept. 2, 1954 Observer Ho Julian Day 2434987

0 158 55 49.8 3486.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T. Correction	Ending Time E.S.T. = +1 ^m 30 ^s	P.H.	Hour Angle End
21683	ι Cap.	22 46.1	+65 40	I-25	E103a-0	008		22 02 ⁻²⁰	22 02	4	
	"	"	"	"	"	"		22 02 ³⁰	22 04 ⁻¹⁰		
	"	"	"	"	"	"		22 04 ⁰⁵	22 07 ⁻⁵		2 15E
21684	HD 168009	18 12.7	+45 10	"	"	"	+22.0	22 18	22 31	1	2 41E
21685	34 Peg.	22 21.5	+3 53	"	"	"	+22.0	22 36	22 50	"	1 07E
21686	λ Peg.	22 41.7	+23 02	"	"	"		22 54 ¹⁵	22 55	2	
	"	"	"	"	"	"		22 55 ²⁵	22 57		
	"	"	"	"	"	"		22 58 ⁻²⁰	23 02 ⁻²⁰		1 6E
21687	ξ Peg.	22 41.6	+11 40	"	"	"		23 05 ⁵	23 06	3	
	"	"	"	"	"	"		23 06 ²⁰	23 08		
	"	"	"	"	"	"		23 09 ⁻¹⁵	23 13		1 04E
21688	σ Peg.	22 47.4	+9 18	"	"	"	+22.0	23 17	23 19	4	
	"	"	"	"	"	"		23 20 ⁻²⁰	23 25		
	"	"	"	"	"	"		23 25	23 35		1 47E
21689	λ Amd.	23 32.7	+45 55	"	"	"		23 40 ¹⁰	23 42 ⁻¹⁰	1	
	"	"	"	"	"	"		23 42 ⁻¹⁰	23 45 ⁻¹⁰		
	"	"	"	"	"	"		23 45	23 51		1 47E

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

some Aurora.

87
54866

Ending Time E.S.T. +1 ^m 26 ^s	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 02	4			3	4.5	K1		277 40 OLS	
22 04				"			12 ^s	5 80	fine
22 07		2 15E	+65 56		"			9 160	
22 31	1	2 44W	+45 11	2	6.7	G0	6-6	" 1 13 min "	good
22 33		1 07E	+4 08	1	6.5	G0	12 ^s	" 8 10 "	Need More Fuses. fine
22 55	2			1-2	4.7	G8		" 1 1 "	
22 57				"			12 ^s	5 2	fine
23 02		1 15E	+23 19		"			9 4 "	
23 03	2				4.9	F7		" 1 1 "	fine
23 04				"			12 ^s	5 2	
23 07		1 04E	+11 56		"			9 4	
23 11	4				5.5	F5		" 1 2 1/2 "	fine
23 15							12 ^s	5 5	
23 18		0 47E	+9 35					9 10	
23 42	1				4.90	G8		" 1 1 1/2 "	fine
23 45				"			12 ^s	5 3	
23 51		1 17E	+46 13		"			9 3	

(CONT'D)

Date Wed-Thurs Sept. 12, 1954 Observer Ho - Hv Julian Day 2434.987
 0158 55 49.8 3486.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T. <small>Correction + 1^m 30^s</small>	Ending Time E.S.T.	P.H.
21690	VS48 Cyp. Foss Test.	19 54.6	+54 32	I-25	E103a-O	S _t 016	22.0	23 58	01 20	2

Dome Temp
 Focus
 Dome Temp
 Hour Angle
 End

Dome Temp. 60°F

Transparency Conditions Fair

Focus 15.740

Dome Temp.

Clouds need
re-setting

Is there some doubt when this
star should be taken?

187
1866

Ending Time
EST
4:30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03 51w	54 40	0	8 1/7	A0	2-2-2 8/6	Sit 2 Ecl. Bin. for Hd. ← " 8	Last 45 m through clouds. n weak all night
						1 P.H. + 4. No Heat.	

Dome Temp. $+71^{\circ}F$

Transparency Conditions *poor - hazy; cld in W.*

Focus *15.756*

Dome Temp.

188
488/

Ending Time P.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
20 29	11:03	$+4^{\circ} 58'$	2	$7.8/8.1$	F5	2-2-2	set 2 Hd Bin																	
20 55	$0^{\circ} 06' W$ at $20^{\circ} 41'$	$-11^{\circ} 44'$	1	$7.8/8.5$	A2	H-	set 8 " " star gone 20:46 TL & Ltq.	<i>fine</i> <i>two weeks</i>																
							4 Pl. H. + 4																	
							no heat																	
							<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>NE</td> </tr> <tr> <td><i>Sept 3.</i></td> <td>-27.2^S</td> <td>$+24.2^S$</td> <td>-27.2^S</td> <td>-1.5^m</td> <td>-8.0^S</td> <td>-7.6^S</td> <td>$+3.5^S$</td> </tr> </table>		MC	SC	MTW	STW	S	SW	NE	<i>Sept 3.</i>	-27.2^S	$+24.2^S$	-27.2^S	-1.5^m	-8.0^S	-7.6^S	$+3.5^S$	
	MC	SC	MTW	STW	S	SW	NE																	
<i>Sept 3.</i>	-27.2^S	$+24.2^S$	-27.2^S	-1.5^m	-8.0^S	-7.6^S	$+3.5^S$																	

Date Fri-Sat Sept 3-4 1954 Observer O. Prig Julian Day 2434989

0 160 52 04.5 3489.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21693	4 Cap	20 40.2	-25 38	I-25	E103a-O	set 008	+20.3	21 54 ⁻¹⁰	21 56	4
"	"	"	"	"	"	"	"	21 56 ²⁰	22 00	
"	"	"	"	"	"	"	"	22 01	22 09	
21694	Y0A Her	18 41.4	+20 27	"	"	"	"	22 16	22 17	1
"	"	"	"	"	"	"	"	22 17	22 20	
"	"	"	"	"	"	"	"	22 20	22 25	
21695	HD168009	18 12.7	+45 10	"	"	"	+20.3	22 29	23 25	2
21696	θ Cyg	19 33.8	+47 59	"	"	"	+20.2	23 32	23 34	3
"	"	"	"	"	"	"	"	23 35 ³⁰	23 44	
"	"	"	"	"	"	"	"	00 00 ¹⁰	00 07	
21697	V548 Cyg	19 54.6	+54 32	"	"	set 016	+20.2	00 17	01 27	4
21698	HD 30352	04 41.8	+43 06	"	"	set 008	+20.2	01 44	02 52	

Dome Temp

Focus 15.25

Dome Temp

Date *Sun. Mon. Sept 5-6, 1954* Observer *O - Ma.* Julian Day *243.4991*
 @ 162 48 25.1 3492.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21699	HD 166285	18 04.8	+3 06	I-25	E163-0	Slit 008	+24.0	19 31	19 43	1	W
21700	HD 154345	16 59.8	+47 12	"	"	"	+24.0	19 47	20 17	1	SW
21701	μ Sct.	18 51.7	-5 58	"	"	"		20 22 ⁻¹⁰	20 26 ⁻¹⁰	2	
	"	"	"	"	"	"		20 26 ^{(23)?}	20 33	"	W
21702	μ Agl.	19 29.2	+7 10	"	"	"	+24.0	20 39 ⁻¹⁵	20 42 ⁻¹³	3	
	"	"	"	"	"	"		20 42	20 48	"	
	"	"	"	"	"	"		20 48	21 00	"	SW
21703	HD 214850	22 35.9	+14 01	"	"	"	+24.0	21 08	21 13	4	
	"	"	"	"	"	"		21 13	21 31	"	SE
21704	HD 213429	22 26.1	-7 04	"	"	"	+24.0	21 37	22 03	1	SE
21705	HD 214476	22 12.2	+12 23	"	"	"	+24.0	22 11	23 35	1	SW
21706	η Agr.	23 10.7	-1 38	"	"	"		23 41 ³⁰	23 47 ³⁰	2	
	"	"	"	"	"	"		23 48	23 56	"	SE

Dome Temp. +66°

Focus 15.752

Dome Temp. 62

Transparency Conditions *hazy; clds on horiz.*

192

0257 Fireball 2 sec.

Orion into Taurus

992

34940

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
+2:03	+14 34	0-1	7.0	G8IV	4-4-4	C9-A set 2	Some alds.
+2:08	+4 59	0-1	7.8/8.1	F5	2-2-2	Hd-Bin set 2	" "
+2:47	+14 29	1	7.89	B5	4-4-4	C10-D set 8	" "
00 27E		0	4.2	K2	12	" 2	"
00 20E		0			12	" 5	"
00 10E	-09 04	0			12	" 8	"
01 57W	+20 19	00	7.0	G0	4-4-4	CLS. " 2	0147 Cloud.
00 59W	+05 04	0	6.4	K2	4-4-4	" " 8	"
00 26W	20 04	0	6.04	K1	4-4-4	" " 2	"
00 04E	-12 57	00	6.6	G5	4-4-4	" " 8	"
00 47W	+06 11	0	6.81	AK4	4-4-4	" " 2	"
00 15E	21 54	0-1	6.6	G5	4-4-6	" " 8	0456 clouded out.
					15/10	" 5	"

2 P.H. Plates Needed.

No Hist.

1954 Sep. 7	MC	SC	S	MTW	STW	SW	ME
	-27.3	+18.5	-19.5	-14.2	-0.3	+10.3	+0.9

Dome Temp. +66°

Focus... 15.722

Dome Temp.....

Transparency Conditions *very hazy*
cls at sunset

194

996
3500.3

Ending Time
L.L.T. P.H.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0:18 W	+54° 40'	0	8.9/9.7	A0	2-4	star (old) 20:47-20:53 21:16- set 2 HD Bin Heat was on; image very poor Hopeless at midnight & cloud up 1 PH. used filter	<i>too weak</i>

MC SC HTW STW S SW MF
Sept. 10 -30.0 +5.4 -3.2 0^m -11.8 +41^s -5.2^s

Shed 30 minutes by with 10" & with 11"

Date Sat-Sun 1954 Sep 11/12 Observer ^{Ppc} Ho - Mn Julian Day 243499.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21718	HD 214850	22 35.9	+14 01	I-25	E103-a-0	^{col} -002	+16.5	22 18	22 44	2	0 05
21719	HD 220334	23 17.8	+20 01	"	"	"	+16.4	22 51	23 31		0 05
21720	MWC 361			"	"	"					
	HD 200775	21 00.4	+67 47	"	"	"	+16.2	23 39	0 13	3	1 15 W
	MWC 13			"	"	"					
21721	HD 9105	1 24.6	+62° 51	"	"	"	+16.3	0 23	1 23	3	0 05
21722	HD 9812	1 30.8	+58 08	"	"	"	+16.4	1 29	2 15	4	0 15 E
21723	HD 10780	1 40.4	+63 22	"	"	"	+16.3	2 20	2 40	4	0 15 W
21724	SN Psc	0 37.2 ^{34.2}	+20 48	"	"	"	+16.1	2 46	3 14	1	0 05
	MWC 29			"	"	"					
21725	HD 13661	2 08.1	+54° 04	"	"	"	+15.8	3 28	5 21	2	0 05
	Focus Test. C.T.R.			"	"	"	+15.9			2	

eliminate all these

Dome Temp. Focus Dome Temp.

Dome Temp. +54°F

Focus 15.662

Dome Temp. +46°F

Transparency Conditions

Good, considering brightness of the moon.

997

Hour Angle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 50 E	14 17	0'	61	B5	4-4-4	Had trouble getting the star focused	
0 45 E	20 19	0'	70	G0	4-4-4		
2 ^h 12 ^m W	+67° 58	0!!!	7.2	Bse	4-4-4	Set 2 Be Focusing has little or no effect.	No spectrum on any of these plates due to out of focus images
1 ^h 00 E	+63° 06	0!!	7.5	cB ₁₀ e	4-4-4	Set 8 s Be	
0 ^h 14 E	+58° 23	0	7.4	B ₅	4-4-4	Set 2 cB Std. Vel. what ho! It seems these go with the AB program, not the old!	
0 ^h 01 W	+63° 35	0'	6.44	xK ₂	4-4-4	Set 9 OLS	
1 ^h 43 W	+21° 00	0	6.70	K ₀ V	4-4-4	Set 5 OLS	
2 ^h 15 W	+54° 18	-8.947	8.6	B ₁₀ ne	4-4-4	Set 2 Be The star is now trying to pretend that it's the Ring Nebula. Focusing does not help	
					15/10	Set 10 ¹ / ₂ I suspect this is all you will find on this plate.	

4 p.h. with E103000 4 in refrig.
Mirror heat on.

1954 Sep. 13	MC	SC	S	MTW	STW	SW	ME
	-31.2	+27.8	-23.2	+9.0	+0.1 ^m	+56 ^s	-1.0
Sep. 15	-32.0	+29.9	-24.4	+22.0	+0.3 ^m	+72 ^s	-3.2
17	-33.3	+12.1	-46.1	-30.5	-.4 ^m	+10 ^s	-5.8

Date Sun/Mon Sept 19/20, '54 Observer Ho - H Julian Day 2435.005
 0176 25 56.1 3518.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21718	{ HD166285	18 04.8	+03 06	F3	E10340	Set 008	20.7	19 08 ²⁴	19 32	1	20 59 W
21719	{ 19.3 Her	17 55.6	+16 46	"	"	"	"	19 38	19 46		21 24 W
21720	{ 37 Aql	19 29.6	-10 47	"	"	"	"	19 52 ²⁰	20 12	3	20 16 W
21721	{ 46 Cap	21 39.7	-09 52	"	"	"	20.7	20 19	20 43		21 34 E
21722	0 Cyg	19 33.8	+49 59	"	"	"	"	20 57 ¹²	20 59		21 34 E
								21 00 ³	21 03		21 34 E
								21 03	21 09		21 34 E
21723	{ 0 Sna	18 49.7	+59 16	"	"	"	20.7	21 18 ⁶	21 26	2	22 16 W
21724	{ 60 Ser	18 24.1	-02 03	"	"	"	20.7	21 56	22 30		23 38 W
21725	{ HD213429	22 26.1	-07 04	"	"	"	20.7	22 36 ²²	23 08	4	24 17 W
21726	{ HD214850	22 35.7	+14 01	"	"	"	20.7	23 17	23 32		25 59 W
21727	8 Psc	23 12.0	+02 44	"	"	"	"	23 38 ^{1 1/2}	23 39	3*	26 59 W
								23 39 ²	23 42		27 59 W
								23 42 ⁸	23 48		28 59 W
21728	{ 1 Cet	00 14.3	-59 23	"	"	"	"	00 09	00 12	1*	29 59 W
							20.7	00 14	00 20		30 59 W
								00 21	00 33		31 59 W

Dome Temp. +66
 Focus 15717
 Dome Temp.

Transparency Conditions *Good*

Sat Sept 18-19. Hd. 170 30v visitors. Cloudy.
 Showed telescope + lectured on Sun + Stars

Ending Time L.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 32		00 59W	+03 08	0	6.1	F5	4-4-4	OLS - set 2	fine
19 40		01 24W	+16 46	0-1	5.72	K0	12	OLSS set 8	low
20 12		00 16W	-10 40	0	6.19	G8	12	OLSS set 2 (Agrees with HD. catalogue)	good
20 43		01 24E	-09 18	0	6.23	G8	12	OLSS set 8 (Took ⁹ ⁵ of double - see field)	good
20 54		01 50W	+50 06	1	4.8	F5		OLS set 2 a little cloud around.	fine
21 05		01 03W					12	set 5	
21 34		01 09W						set 9	
21 52		02 10W	+59 20	0	5.74	K0	12	OLSS set 2 Took Br of dbl seen in 74" Exp	low
22 00		02 38W	-02 01	0	6.45	K0	12	OLSS set 8 Cloud in field Had to wait.	low
22 08		00 17W	-06 47	00-0	6.6	F5	12	OLSS set 2	weak
22 52		00 29W	+14 18	0	6.1	G5	12	OLS set 8 Field as in 21623	weak
22 57		00 04W	+03 02		4.8	G8		OLSS set 2	
23 00		00 07W					12	5	* P.H. #1+3 had backs up & down
23 00		00 13W						9	
23 00		00 30E	-09 05	0	4.8	K2		Hox set 2	
23 00		00 22E					6-6	5	fine
23 00		00 09E						9	

Date Sept 19-20 Contd. Observer Hv Julian Day 2435005
 0 176 25 561 3518.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21729	H.D. 166	00 01.4	+28 28	I-25	E _{103a0}	-008	20.6	00 39	01 09	2	00-3W
21730	54 Psc.	00 34.2	20 43	"	"	"	"	01 12	01 44	"	00-2W
21731	H.D. 4628	00 43.1	+04 46	"	"	"	20.5	01 50	02 24	4	0-14W
21732	H.D. 17925	02 47.7	-13 11	"	"	"	19.7	02 29	03 09	"	0-3E
21733	" 20165	03 09.3	+08 37	"	"	"	20.0	03 15	05 15	1	0-14W
	<i>Lower to high</i>	<i>From Test</i>			<i>O.T.B.</i>		20.0				

Dome Temp. +59°F

Focus.....

Dome Temp. 55°F

Transparency Conditions Good.

200

Sid. Elect. Reset Approx.

Ending Time L.L.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
01:19		0040W	28 46	0-1	6.8	K ₀	4-4-4	Set. 2	fine																
		0042W	21 01	0	6.70	K ₀ V	4-4-4	" 8	fine																
		0114W	+05 02	00	6.4	K ₂	4-4-4	" 2 Image very unsteady + very poor!	fine																
		00 05E	-12 57	00	6.6	G5	4-4-4	" 8 Bulge front.	good																
		0140W	+08:49	0	(8.7)	K ₁	4-4-4	" 2	weak																
							15/10	" 8	from OK																
2 P.H. + 8?																									
Horn. M.																									
<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTU</td> <td>STW</td> <td>S</td> <td>OW</td> <td>ME</td> </tr> <tr> <td>Sept. 20</td> <td>+1.8</td> <td>-13.8</td> <td>-29.5</td> <td>-.5^m</td> <td>-14.7^s</td> <td>+5.4^s</td> <td>+1.8^s</td> </tr> </table>											MC	SC	MTU	STW	S	OW	ME	Sept. 20	+1.8	-13.8	-29.5	-.5 ^m	-14.7 ^s	+5.4 ^s	+1.8 ^s
	MC	SC	MTU	STW	S	OW	ME																		
Sept. 20	+1.8	-13.8	-29.5	-.5 ^m	-14.7 ^s	+5.4 ^s	+1.8 ^s																		

Date Mon - Tue Sep 20-21 1954 Observer MR - Mn Julian Day 2435.006
0177 24 35.0 3521.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21734	√ 805 Aql	19 ^h 00.7 ^m	-11° 48'	I-25	1030-0	201 .008	17.6	19:14	20:16	2	0:11W
21735	37 Aql	19 29.6	-10 47	"	"	"	17.4	20:20	20:44	3	0:51W
21736	93 Her	17 53.6	+16 46	"	"	"	17.3	20:50	21:02	4	2:44E
"	"	"	"	"	"	"	"	21:03	21:09	"	2:50E
21737	0 Bra	18 49.7	+59 16	"	"	"	17.0	21:19	21:29	1	2:19E
"	"	"	"	"	"	"	"	21:30	21:35	2	2:27E
21738	53 Dra	14 09.8	+56 41	"	"	201 .008	17.2	21:39	21:47	"	2:04E
21739	46 Cap	21 39.7	-9 32	"	"	"	-	21:53	22:05	2	10:16E
21740	8 Psc	23 12.0	+2 44	"	"	"	17.4	22:13	22:19	4	07:17E
"	"	"	"	"	"	"	"	22:20	22:23	5	1:05E
21741	26 Cyg	19 58.5	+49 50	"	"	"	-	22:36	22:50	3	3:10E
21742	72 Cyg	21 30.7	+38 05	"	"	"	17.0	22:56	23:04	4	1:11E
21743	HD 20725	21 00.4	+67 47	"	"	"	17.0	23:12	23:34	2	2:30E
21744	HD 200391	20 57.1	+27 24	"	"	"	17.1	23:41	0:51	4	3:30W
21745	HD 212943	22 22.8	+04 12	"	"	"	17.0	0:57	1:03	4	2:18W

Dome Temp.

Focus 15.67

Dome Temp.

Dome Temp. +60°

Transparency Conditions

very good

202

Focus 15.677

Dome Temp. +52°

5006

3521.2

Ending Time L.S.T. P.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 02	0:51 W	-110 44'	0	7.8/8.5	A2	4-7-7	Set 2 Hd Bin	fine
20 04	0:51 W	-10 40	0	6.19	G8 III	6-6	" 2 OLSS	fine
20 02	2:44 W	+16 46	1-2	5.72	K0 II	6-6	" 8 OLSS	fine
21:09	2:50 W	"	"	"	"	-	" 5 "	
20 09	2 18 W	+59 19	2	5.74	K0 II	12	" 2 OLSS	fine
20 35	2 24 W	"	"	"	"	-	" 5 OLSS	
20 07	2:16 W	+56 48	2	6.19	G8 III	12	" 8 OLSS	fine
20 05	00 04 W	-9 16	1	6.23	G8 II	6-0	" 2 OLSS	fine
20 04	01 17 E	+3 03	2	4.80	G2 II	12	" 5 OLSS	fine
20 03	1:13 E	"	"	"	"	-	" 8 "	
20 00	2:30 W	+49 59	1	6.34	K10 III	12	" 2 OLSS	fine
20 00	1:11 W	+38 19	2	6.24	K10 III	12	" 8 "	fine
20 31	2:13 W	+67 59	1	7.2	B5e	4-7-4	" 2 Be	good.
0 5	3:30 W	+27 38	1	8.12	G0	4-4-4	" 2 Spec. High	fine
103 4	2:18 W	+4 28	2	5.9	K0	6-6	" 8 Std. Vel.	fine

Note: Same plate as 21748

Date Sept 20-21, 1954 Observer Mn Julian Day 24350.06
continued \odot 177 24 35.0 3521.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21746	MWC 395										
	HD 217543	22 56.3	+38 10	I-25	E1039-0	.008	17.1	1:09	1:17	1	1:20
	"	"	"	"	"	"	17.1	1:17	1:35	1	2:00
21747	⁶³⁴ HD 219364	23 12.2	+61 25	"	"	"	17.0	1:44	2:08	3	2:30
21748	HD 223501	23 45.0	+61 39	"	"	"	17.0	2:13	3:39	2	3:30
21749	ζ Persei	3 01.8	+49 14	"	"	"	17.0	3:46	3:47	4	3:50
	"	"	"	"	"	"		3:51	3:53	4	3:55
	"	"	"	"	"	"	17.1	3:54	3:58	4	3:58
21750	HD 38230	5 39.2	+37 16	"	"	"	17.1	4:07	5:21	1	4:10
	Focus Test	O.T.B.		"	"	"	17.0			1	

Dome Temp
 Focus
 Dome Temp

Hour Angle
 End

Dome Temp.....

Transparency Conditions..... Hazy after 2130

Focus.....

Dome Temp.....

006

3521-2

Ending Time
L.S.T.

P.H.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:59 W	+38° 27	2	6.4	B3ne	none	Set 9 Hd Be	stationary
2:17 W	"	1	"	"	4-4-4	Set 2 " (That's right - Set 2!)	stationary
2:33 W	+61° 44	1	7.0	B8	4-4-4	Set 5 Mo Bin	stationary
3:39 W	+61° 59	0	8.2	B3e	4-4-4	Set 8 Hd Be Note: same plate as 21743 light hazy cloud guiding	fine
0 22 W	"	1	4.64	G0V	none	Set 1 OLS	fine
0 28 W	"	1	"	G0V	12	Set 5 "	
0 33 W	+49° 24	1	"	"	none	Set 9 "	
0 41 E	+37° 14	1	8.1	K1	3-5-4	Set 2 OLS	weak
					15/10	Set. 9	all right
						3 p.h. E103a-0 + 8 in refrig.	

Dome Temp. +50 E

Transparency Conditions *Rain showers about at first*

Focus 12.950

Dome Temp. 70 F

Sept. 21 Changed to 12 1/2" camera

25" was Focus 15.677 Tilt 23.15

12 1/2" Focus 12.950 Tilt 20.35

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20:27	W030	23 59	0	9.0	B1a	1-1-1	Set 2 OIS pass. <i>doublet of focus error</i>	fine
21:31	W114	35 39	0.1	9.1	BosV	1-1-1	Set 8 " <i>not bad</i>	fine
22:33	W221	29 12	0	8.9	K0	1-1-1	Set 2 AG <i>not so happy about field.</i>	fine
23:04	DISAW	29 50	2.	8.7	G5	1-1-1	" 8 AG <i>0240 clouds.</i>	fine
						7/3	" 5 <i>0100 solid.</i>	fine
							<i>all night</i>	
							<i>1 P.H. + 8</i>	
							<i>H.M.</i>	

Sept. 22 Me 5c HFW STE S₂ SW M¹⁵
 +5^s -19.5^s -22.3^s -.5^m -28.3 +16^s +23.5^s

Thurs-Fri

Date Sept 23-24/54 Observer Obs. L. Mo. Julian Day 2435.009

0180 20 45.0 3527.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21755	Nova Herc	18 04.7	45 51	Qnewt	1.03AE	Red Plex Filter		20 10 00	20 14 00	
21756	"							15 19	19 29	
21757	"							22 47½	26 47½	
21758	"							28 00	32 00	
21759	"							33 20	37 20	
21760	"							47 30	51 30	
21761	"							53 42	57 42	
21762	"							59 37	21 03 37	
21763	"							21 05 20	09 20	
21764	"							10 43	14 43	
21765	"							16 29	20 29	
21766	"							23 10	27 10	
21767	"							29 36	33 36	
21768	"							36 23	40 23	
21769	"							42 59	46 59	

Dome Temp. 55

Focus

Dome Temp.

Hour Angle
End

Date Sept 23/24/54 ^{Cont'd.} Observer Hv Julian Day 2435.009
 0180 20 45-0 3527.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21770	BD + 61° 2512 H.D. 14302	23 40.5 02 13.6	+61 37 55 52	I-12	E ₁₂	.016	11.0	00 59	01 39	4
21771	H.D. 14302	02 13.6	55 52	"	"	.008	10.8	02 19	03 29	"
21772	H.D. 30353	04 41.8	43 06	"	"	"	10.8	03 37	04 55	1
21773	" 29587	04 34.5	41 57	"	"	"	10.8	04 39	05 09	1
	<i>Lower Limit</i>				<i>D.F.B.</i>					

Date Sun Sept 26-27/54 Observer L-Hv Julian Day 2435012
 183 17 142 9589.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21775	BD. 45 3230	20 339	45 47	I-R ₂	E-10300	set 016	+15.0	20 52	23 02	3	2 29W
21776	HDE 235807 279923	22 17.4 22 16.8	55 03 58 27	"	"	"	+15.0	23 07	01 07	"	2 29W
21777	BD +61°40	00 15.0	61 50	"	"	"	15.3	01 15	03 29	4	2 29W
21778	BD +62°655 HCC 1504	04 00.0 03 59.3	62 11 62 04	"	"	"	15.2	03 44	05 28	"	2 29W
	<i>Time Test</i>			09/B.							

Dome Temp. +54°F

Transparency Conditions

Focus 12.950

Dome Temp.

Clouds early in evening.

Ending Time
L.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 29W	45 59	0-1	10.1	B ₅ III	1-1-1	Set 2 - Q.B. Prog	fine
02 50W	55 19	0-1	9.77	B ₅ IV	1-1-1	Set 8 " "	fine
03 15W	62 10	0	10.03	B ₂ (P ₂)	1-1-1	" 2 " " Proceeding * of pair.	fine
01 28 W	62 16	0	^{9.5} 9.2	B ₅ ?	1-1-1	" 8 " " <u>Please check field</u>	fine
					4/3	" 5	

3 P.H. in D.

Plates Neutral.

Hum M

	MC	SC	MTU	STU	S	SW	ME
Sept. 27	-3.0	-16.4	+9.2	+1.1	-25.5	-5.2	+3.0

Dome Temp. 60.5°F

Transparency Conditions Fair

Focus 12.950

Clouds Earlier

Dome Temp.

Ending Time P.M.
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03 SSW	60 54	0	10.51	B, V	1-1-1	Set 2 OB. Prog.	fair
01 27 W	62 13	0	9.93	B ₃	1-1-1	" 8 " "	fair
					4/3	" 5	all accept
						2 P.H. in D.	
						Plates Needed	

Date June Sept 28-29/45 Observer Oka-BL Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21781	Nova Herc	18 04.7	45 51	Newt	E103a-E	+Red Plex Filter		21 51 37	21 55 27	
82								21 57 25	22 01 25	
83								04 04	08 04	
84								09 24	13 24	
85								15 52	19 52	
86								21 24	25 24	
87								28 13	32 13	

Dome Temp.

Focus.....

Dome Temp.

Hour Angle
End

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Focused on Vega

Ending Time
E.S.T. P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality

Plate may be fogged

Why doesn't somebody tell me these things???

	NC	SC	UTC	STW	S	SW	NE
<i>Sept 29</i>	<i>-4.2</i>	<i>-17.4</i>	<i>+12.8</i>	<i>+2.7</i>	<i>-27.2</i>	<i>+11.8</i>	<i>+6.0</i>
<i>Oct. 1</i>	<i>-6.0</i>	<i>-17.2</i>	<i>+13.5</i>	<i>+3</i>	<i>-27.0</i>	<i>+34.6</i>	<i>-1.2</i>
<i>4</i>	<i>-7.3</i>	<i>-14.4</i>	<i>-9.3</i>	<i>-6</i>	<i>-26.6</i>	<i>-13</i>	<i>+4</i>

Dome Temp. 64° F

Transparency Conditions high thin cirrus wisps

Focus

Dome Temp.

Dec setting solenoid stuck

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3:15 W	+16° 08'	0	8.75	K0 III	1-1-1	C9-H set 2 ^{h h} 20-22 are AG stars fainter than?	good
1:17 W	+38 22	0	9.4	09.5 III	1-1-1	OB p.9 set 2 was 5 ^h	fine
0:55 W	+37 37	0	7.2	B0.5 V	2-2-2	" set 5 all 8 by mistake '016 set, 1 ^m	fine
0:25 S W	56 41	0	9.95	B0.5 p V	1-1-1	" " 2	fine
0:15 S W	14 40	0	6.59	A ₀	2-2-2	C Reg " 8	good
0:22 S W	60 58	0	10.27	Bined V	1-2	OB " 8 4/3 " 5	good
						0050 Thin cirrus	good
						0135 Star Gone Quite Windy	all night

3 P.H. + 8

Home M

	MC	SC	MTW	STW	S _S	SW	ME
Oct. 6	-8.7 ³	-11.9 ³	-8.7 ⁵	-2 ^m	-27.7	+19 ⁵	-2.9 ⁵

Date Wed. Oct 6-7/54 Observer L. H. C. Julian Day 2435020

193 07 36.0 2552.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
21794	BD+45° 3246	20 39.1	45 32	I-12 $\frac{1}{2}$	E-103A ₀	^{Set} .016	8.5	20 23	22 45	1	2 47W
21795	BD+60° 2553	23 24.2	60 45	"	"	"	8.5	22 57	02 29	1	03 46W
21796	NGC 1502 Z 9 Z 9	03 58.8	62 04	"	"	"	8.6	02 45	05 19	2	05 54W
	<i>Test</i>					0.016					

Dome Temp. 40°F

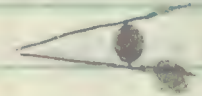
Transparency Conditions.....

Focus 12.980

Dome Temp. 34°F

Strong winds and clouds delayed start.

Ending Time L.A.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 45	2 47W	45 45	0	9.84	B ₁ V _n	1-1-1	Set 2 O.B. prog.	lim
29	03 46W	60 02	0	10.53	B ₂ II	1-1-1	" 8 " "	lim
01 59W	01 59W	62 11.	0	10.26	B ₃	1-1-1	" 2 " "	lim
						4/3	" 8	chilled
							1 P.H. + 8	
							Ham. M.	



223 Sat Oct 9 - 100 minutes - Cloudy - Ho, BK.

Date Thurs. Evn. Oct 7-8, 1954 Observer O - Hr Julian Day 2435029

194 06 481 2533.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21797	HDE 227704	20 02.9	+34 38	1 12	E113a-0	016	+9.9	18 28	19 18	3
21798	HDE 229059	20 17.5	+37 05	"	"	"	+9.8	19 23	21 43	3
21799	HD 173855	20 17.4	+38 42	"	"	008	+9.7	21 48	22 06	4
21800	BD+54° 2761	22 19.9	+55 11	"	"	016	+9.6	22 21	01 35	4
21801	H.D. 14542	02 15.9	56 56	"	"	"	9.7	01 43	01 53	1
4802	"	"	"	"	"	008	9.7	01 56	02 16	"
	<i>Zone Test</i>					"				

Dome Temp. +47°F

Transparency Conditions Mood.

Focus 12.935 Focus reset at 12.935

Dome Temp.

Ending Time
L.S.T. P.H.

Hour	Angle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0	0E	+34 47	0	8.8	B ₀ III	1-1-1	S. 2 OB p 7.	fine
2	10W	+37 15	1	10.2	B _{1.5}	1-1-1	" 8 OB p 7 Taken 4' west just	fine
2	35W	+38 53	1	7.7	B ₂ III	2-2-2	" 2 OB p 7	strong
0	40W	+55 28	1-2	10.32	O ₅ F	1-1-1	" 8 OB p 14	strong
00	21W	57 10	0	7.2	B ₈	1-1-1	" 2 Std Vel.	fine
00	44W	"	0	"	"	2-2-2	" 8 Haze + Thin Cloud ← <u>GLIDING TERRIBLE</u>	all right.
						P/6	" 5	
							2 P.H. +1	
							Aug. M.	

	MC	SC	MTW	STU	S	SW	ME
Oct. 8	-9.2	-7.0	-3.0 ^s	+1 ^m	-19.8	+42.5	-4.2 ^s
Oct 13	-12.1	-7.4	+1.7 ^s	+2 ^m	-28.2	+20.6	1.1 ^s

Date Wed - Thurs, 1954 Oct 13/14 Observer McC - H v Julian Day 2435029

0 200 02 39.6 3565.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21803	HD 229239	20 204	+38 11	I 12 1/2	E103-ano	^{se L} 016	+20.6	18 31	19 51	2
21804	BD +47°3421	21 250	+47 37	"	"	"	20.8	20 00	21 30	
21805	HD 216242	22 462	+58 08	"	"	"	20.8	21 40	23 50	3
21806	HD 4694	00 429	+64 05	"	"	"	20.5	23 56	00 56	
21807	BD +61°39	00 14.8	61 55	"	"	"	20.3	01 04	03 00	4
	<i>Faint text</i>									

O.S.B.

Dome Temp.

Focus

Dome Temp.

Hour Angle
End

Dome Temp. $+58.0^{\circ}\text{F}$

Transparency Conditions *Good*

Focus 10.935

Dome Temp. 56°F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
0 44 W	38 20	0-1	9.6	B1 Iab	1-1-1	set 21 CB image p. 9.	<i>fine</i>																
1 13 W	47 52	0-2	10.12	A0 Iab	1-1-1	" 7 " " p. 12	<i>fine</i>																
2 12 W	58 20	2-0	10.33	B3 I	1-1-1	2 " " p. 16	<i>extremely fine</i>																
01 20 W	64 21	0	8.9	B2 Ia	1-1-1	7 " " p. 24	<i>fine</i>																
02 53 W	62 10	0	8.7	B0.5 I	1-1-1	" 2 " " <u>0135</u> Cloud in NW.	<i>fine</i>																
					4/3	" 5 "	<i>as sharp they could be</i>																
3 P. H. Plates loaded. Horn. M.																							
<table border="0"> <tr> <td></td> <td>NE</td> <td>SE</td> <td>NEC</td> <td>SW</td> <td>S</td> <td>SW</td> <td>NE</td> </tr> <tr> <td><i>Apr 15</i></td> <td>-13.2°</td> <td>-5.4°</td> <td>$+3.3^{\circ}$</td> <td>$+3.3^{\circ}$</td> <td>-27.7°</td> <td>$+34.8^{\circ}$</td> <td>-2.0°</td> </tr> </table>									NE	SE	NEC	SW	S	SW	NE	<i>Apr 15</i>	-13.2°	-5.4°	$+3.3^{\circ}$	$+3.3^{\circ}$	-27.7°	$+34.8^{\circ}$	-2.0°
	NE	SE	NEC	SW	S	SW	NE																
<i>Apr 15</i>	-13.2°	-5.4°	$+3.3^{\circ}$	$+3.3^{\circ}$	-27.7°	$+34.8^{\circ}$	-2.0°																

Date Sun Oct 17/18, 54 Observer L-H Julian Day 2435033.

0204 00 36.2 3574.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21808	BD. +60° 2615	23 39.9	61 07	I-12 $\frac{1}{2}$	E-103A ₀	Set 016	+9.1	22 23	23 29	1
21809	" +61° 2550	23 47.4	61 34	"	"	"	+9.1	23 32	01 42	1
21810	NGC. 1502 \approx 803	58.8	62 02	"	"	"	9.1	01 52	04 36	2
21811	HD. 30353	04 41.8	43 06	"	"	"	9.1	04 45	05 25	3
21812	" 36484	05 30.2	32 46	"	"	008	9.0	05 36	05 46	"
	<i>from Test O9B.</i>									2

Dome Temp. +45°F

Transparency Conditions *Good*

228

Focus 12.935

Dome Temp. 39°F

Clouds from sunset on.

33.
5749
Ending Time
EST. P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1 12W	61 25	0	9.2	B _{0.5} I ₀	1-1-1	Set 2 AB. prog p 24	<i>fin</i>
03 19W	61 52	0	9.3	B ₀ IV	1-1-1	Set 8 " " 2347 Clouds 0030 Clear	<i>fin</i>
02 00W	62 10	0	10.15	B ₇	1-1-1	" 2 " " 0 " " f 26	<i>fin</i>
02 07W	43 10	0	8.3	G _{0p}	1-1-1	" 2 Bidelmans *	<i>strong</i>
01 43W	32 44	00	6.50	A ₀	2-2-2	" 8 N Binary	<i>strong</i>
					8/6	" 8	<i>all imp!</i>

2 P.H. + 10.

Ham. M.

	MC	SC	MTW	STW	S	SW	ME
Oct. 18	-15.7 ^s	-3.8	+2.8	+1 ^m	-28.0	-1.1	+2.5

Date Mon. Tue Oct 18-19 1954 Observer MR - Hr Julian Day 2435034

0 205 00 11.1 35773

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
{ 21813	BD +53° 28 20	22 10.0	+53 55	I-12	103a-0	.016	+9.0°C	18:26	20:06	1
{ 21814	BD +45° 33 39	20 53.2	+45 58	"	"	"	+9.0	20:23	22:43	1
21815	{ T.B. 5-36	23 38.6	+60 57	"	"	"	+8.8	22:58	00 20 Effective	4
	{ <i>Trans Test</i>		<i>07/13</i>							

Dome Temp. +45.0

Transparency Conditions

Focus 12.934

Dome Temp. 41.1 F

37.
05773

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
0:36 E	+54° 11'	1+	10.05	B0 II: x	1-1-1	OB p. 14 Set 2	fine																
3:18 W	+46 11	1	10.35	B1 II	1-1-1	OB p. 12 Set 8 (B6)	fine																
2:12 W	+61 13	0	10.31	B05 IV	1-2	OB p. 18 Set 2	fine																
					4/5	" p.	all night																
						0000 Clouds																	
						0022 Star Gone																	
						0117 solid																	
						2 P.H. + 5:																	
						How Hi.																	
						<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>ML</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>HE</td> </tr> <tr> <td>Oct 20</td> <td>-16.2</td> <td>-1.6</td> <td>+2.0</td> <td>+3.3</td> <td>-27.4</td> <td>+17.2</td> <td>+1.0</td> </tr> </table>		ML	SC	MTW	STW	S	SW	HE	Oct 20	-16.2	-1.6	+2.0	+3.3	-27.4	+17.2	+1.0	
	ML	SC	MTW	STW	S	SW	HE																
Oct 20	-16.2	-1.6	+2.0	+3.3	-27.4	+17.2	+1.0																

Date Wed - Thurs Oct 20/21, 1938 Observer Pratt - H. V. Julian Day 2435.036

0206 59 27.9 35818

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21816	3D+59°2707	23 17.6	+59 49	I-12	E103-a-0	set 0.16	+83	02 35	01 25	2
✓ 21817	NGC.1522 Z7	03 58.6	62 03	"	"	"	8.6	00 36	02 46	"
✓ 21818	" " Z10	03 58.8	62 04	"	"	"	8.3	02 49	05 49	3
	<i>Faint</i>	<i>Faint</i>			<i>0.9/B.</i>					"

Dome Temp

Focus

Dome Temp

Hour Angle
End

Dome Temp. -45°F

Transparency Conditions Good

Focus 12.034

Dome Temp. 43°F

clouds early in evening cleared about 22:00

036
5819

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0244 W	60 06	1	9.92	B ₉ V	1-1-1	set 2 OB prog. p16. Sun. & not visible	lim
0021 W	62 10	0	10.04	B ₄	1-1-1	" 8 " " p126	lim
0328 W	62 11	0	10.30	B ₅	1-1-1	" 2 " "	lim
					7/3	" 3	all right
						5 P.H. + 6	
						4-5-11	

Oct 21 0206 59 27.9 3581.8
 22 0207 59 09.7 3584.0

Date Thurs Fri Oct 21/22 1954 Observer Ad - Hr Julian Day 2435037

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21819	HD 178849	19 05.1	+34 35	I-12	E10300	016		18 09	18 11	4
								18 12	18 46	
							+12.0	18 16	18 22	
{ 21820	HD 193855	20 17.4	+38 42	I-12	"	008	+12.0	18 30	18 50	1
{ 21821	HD E 229059	20 17.5	+37 05	I-12	"	016	+12.0	18 55	20 05	1
{ 21822	HD E 239923	22 15.8	+58 21	I-12	"	016	+12.0	21 03	22 13	2
{ 21823	BD +61°25 26	23 42.8	+61 29	"	"	008	+12.0	22 19	23 02	2
21824	BD +61°05 27	23 43.6	+51 26	"	"	008	+12.0	23 08	23 18	3
21825	" +61°39	00 14.8	61 55	"	"	016	11.8	00 13	01 13	"
21826	" +48° 36 5	02 07.1	48 16	"	"	008	11.9	01 24	03 08	4
21827	" +47° 37	03 07.2	50 03	"	"	"	11.7	03 14	05 00	"
21828	" +47° 9 07	03 15.0	48 55	"	"	"	11.7	05 07	05 49	2
	Focus Test									

Oct 23

Dome Temp. ⁺⁵²

Focus ^{12.935}

Dome Temp. ^{39°F}

Transparency Conditions

v 40 window Eye M.P.

Reading Time
L.S.T. P.H.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 48	34 41	0	6.5	B ₄	3	sr 2 B Type Std Vel.	
W 52m					3	" 5	fine
W 56m					3	" 9	
W 12m	38 53	0-1	7.7	B ₂ III	2-2-2	sr 2 OB prog. p 7	fine
W 2 17	37 17	1	10.2	B _{1.5} Ia p	1-1-1	" 8 " " p 7	fine
W 1 37	53 43	1-2	9.7	B ₃ Ib	1-1-1	" 2 " " p 14 <i>difficult to see I think so.</i>	fine
W 1 00	61 49	2-3	8.8	B ₂ Ib	2-2-2	" 8 " " p 24	fine
W 1 54	61 45	1-0	8.4	B ₁ Ib	2-2-2	" 2 " " p 24	fine
02 37W	62 11	0	8.7	B _{0.5} Ib	1-1-1	" 8 " " p 24	Strong
01 40W	48 22	0	9.0	A ₇	2-2-2	" 2 α Per. 1 star	fine
03 33W	50 14	0	9.0	F ₅	2-2-2	" 8 " " "	good
04 10W	49 04	0	2.7	A ₁	2-2-2	" 2 " " "	fine
					5/6	" 2	standard

2 P.H. Plates Needed

Mon. M.

Note for L: Guiding eyepiece has been strained so that slit is very low in field (X) (3 times)

Dome Temp... 56°F

Focus... 15.336

Dome Temp... 50°F

Transparency Conditions... Good happy

0391
73

Ending Time R.S.T.	Hour Angle Knd	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	02 53W	62 01	2	10.37	Bos V	1-1-1	ref 2 CR magd. p. 18	fin
	00 34W	56 49	2	7.0	Bos		2 B-type Sid. var	} Comparison only on middle Others of <u>NO</u> use
	00 38W					3	5	
	00 46W						8	
	01 28W	56 02	2	8.5	B1 II-V	2-2-2	8 CR magd. p. 26	fin
	01 00W	47 50	3	8.1	A0	2-2-2	2 x low cluster in 285	fin
	02 20W	51 16	2	9.1	F2	2-2-2	2 " Note here 3M deviation small	fin
	03 15W	48 50	3	9.1	F7	2-2-2	2 " 8/3	fin
	03 48W	49 34	3	8.5	A5	2-2-2	8 " 921	fin
	02 56W	43 11	3	8.3	G0p	2-2-2	2 Indefinite star	fin
	02 21W	32 47	2	6.50	A0	6	5 Squid Primary	fin
						8/6	9	fin

1 P41 + 8 + 1 on 11.

	ME	SC	MTW	STW	S	SW	ME
Dec 22	-17.4 ^S	-09.4 ^S	-2.2 ^S	+1.1 ^m	-35.2 ^S	+24.2 ^S	-6.4 ^S
25	-16.8 ^S	-02.1 ^S	+5.0 ^S	+1.1 ^m	-27.9 ^S	+56.1 ^S	+1.1 ^S
27	-17.7 ^S	+02.3 ^S	-0.5 ^S	0 ^m	-23.5 ^S	+14.1 ^S	-6.9 ^S

Date Wed. Oct 27-28/54 Observer L-H Julian Day 2435043

© 213 58 04.9 3596.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21838	BD+60° 2380	22	15.6 +60 16 4.5 54 58	I-R ₂	E-103a0	set .016	+8.1	20 45	22 05	4
21839		23	07.0 60 03	"	"	"	+8.1	22 09	01 19	4
	<i>Faint handwritten notes and scribbles in the table rows.</i>									

Dome Temp +

Focus 29

Dome Temp

Hour Angle

End

Dome Temp. +41°F

Transparency Conditions

Focus 12.936

Dome Temp. 37°F

Clouds delayed start

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality														
1 53W	60 31	0	9.43	B ₂ III	1-1-1	Set 2 OB prog.	fine														
4 12W	60 19	0	10.54	B ₁₅ II	1-1-1	" 8 " " 0110 Thin Cloud.	fine														
					4/3	" 5	etc red:														
						HP.H. + ?															
						Ham 1M															
						Dec 29															
						<table border="0"> <tr> <td>NE_S</td> <td>SE</td> <td>HTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>HE</td> </tr> <tr> <td>-18.4</td> <td>+3.2</td> <td>-3.2</td> <td>-1.2</td> <td>-22.4</td> <td>+21.5</td> <td>-1.4</td> </tr> </table>	NE _S	SE	HTW	STW	S	SW	HE	-18.4	+3.2	-3.2	-1.2	-22.4	+21.5	-1.4	
NE _S	SE	HTW	STW	S	SW	HE															
-18.4	+3.2	-3.2	-1.2	-22.4	+21.5	-1.4															

Dome Temp. $+35^{\circ}\text{F}$

Focus $12.9.36$

Dome Temp. 31°F

Transparency Conditions

Clouds until 21^h 30

Ending Time
LST

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
02 28W	+62 04	0	10.03	B _{2p}	1-1-1	OB p 18 length of pass	fine																
01 13W	56 05	0	8.5	B _{1II-II}	1-1-1	MC P.P. 2.6	fine																
02 40W	62 10	0	10.26	B ₃	1-1-1	" 2	fine																
02 47W	34 29	0	8.4	B _{0.5IV}	2-2-2	" 8 0350 Cloud Snow 0450 Cloud 0546 Star Cone	fine																
					2/6	" 5																	
2 P.H. +4																							
H 000 M.																							
<table border="0" style="width: 100%;"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTC</td> <td>STC</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td>Nov. 3</td> <td>-19.5</td> <td>-4.1</td> <td>-5.8</td> <td>-1.1^m</td> <td>-29.1</td> <td>+7.4</td> <td>-1.0</td> </tr> </table>									MC	SC	MTC	STC	S	SW	ME	Nov. 3	-19.5	-4.1	-5.8	-1.1 ^m	-29.1	+7.4	-1.0
	MC	SC	MTC	STC	S	SW	ME																
Nov. 3	-19.5	-4.1	-5.8	-1.1 ^m	-29.1	+7.4	-1.0																

Date Wed. Nov 3-4/1954 Observer L-Hr Julian Day 2435050.

0 220 58 13.7 3607.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
(2) 1844	B.D. +61° 2408	23 11.2	61 32	I-12½	E-103A0	set. .016	+3.0	21 20	23 30	2	2 46
(2) 1845	B.D. +61° 2559	23 48.7	61 52	"	"	"	+3.0	23 34	01 46	2	4 00
(2) 1846	H.D. 36484	05 26.9	32 44	"	"	.008	3.2	01 57	02 03	3	1 00
(2) 1847	H.D. 30353	04 41.8	43 08	"	"	"	3.1	02 31	02 57	"	1 00
<i>Focus Test 0.9.13</i>											

Dome Temp. +36°F

Transparency Conditions.....

Focus 12.936

Dome Temp.....

Cloudy early evening, demonstrated telescope to evening class

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	2 48W	60 51	0	10.1	Bo III _p	1-1-1	Set 2 OB prog. Page 16	fin
	4 27W	62 09	0	10.2*	Og V	1-1-1	" 8 " " " 84 * Estimated	fin
00 53E	32 44		1	6.50	A0	2-2-2	" 2 Binary 0220 Haze + Thin Cloud Windy. Image wobbly	fin
00 46W	43 11		1	8.3	Gop	2-2-2	" 8 Bidelman's * 0252 Hazy Cloud Star - 2000	fin
						2/6	" 5 Bdlm * 2 P.H. + 2 H.M.	OK

	WC	Sc	HTW	STW	S	SW	ME
Nov. 5	-20.7 ^s	+05.0 ^s	-6.2 ^s	-.2 ^m	-19.8 ^s	+34.8 ^s	-3.6 ^s
8	-19.0 ^s	+05.4 ^s	-6.0 ^s	-.2 ^m	-19.1 ^s	+02.2 ^s	-1.0 ^s

NOV 8 @ 224 58 53.7 3615.9

Date Mon - Tues 1954 Nov 8-9 Observer MR - H Julian Day 2435055

Nov. 9 @ 225 59 07.6 3615.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
(2) 1848	HDE 229227	20 20.2	+38 08	I-12 $\frac{1}{2}$	1030.0	²⁰ .016	+8.0	17:56	19:26	1
(2) 1849	" 239828	21 58.1	+59 02	"	"	"	+8.0	19:32	21:40	"
(2) 1850	BD +62° 2210	23 14.3	+62 57	"	"	"	+8.0	21:52	23:02	4
(2) 1851	H.D. 30353	04 41.8	43 06	I-12 $\frac{1}{2}$	E1030.0	³⁰ 0.02	6.6	02:15	03:15	1
(2) 1852	" 36484	05 26.9	32 44	"	"	"	6.4	03:21	03:31	"
(2) 1853	" 35633	05 21.1	34 27	"	"	"	6.3	03:37	04:37	2
(2) 1854	" 46056	06 26.0	04 54	"	"	"	6.3	04:46	05:46	"

Dome Temp. +30°F

Transparency Conditions *Very good*

Focus.....

Dome Temp. +27°F

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 18 W	48 43'	0	91	F4	2-2-2	2-2-2 a low mag. star	stationary
04 20 W	49 20	0	92	+0	2-2-2	8	stationary
02 50 W	32 45	0	650	+0	2-2-2	2 binary	stationary
01 08 W	28 45	0	842	50	2-2-	5	fine
					8/6	9	center to eye
						CPH +3	
						+1 m.k.	

$\sqrt{\text{Nov. 10}}$

MC _S	SC	MTC	STW	S	SW	ME _S
-18.8	+05.5	-06.5	-2 ^m	-17.7 ^S	+22.3	+03.9

Date Thurs. Fri. Nov 11, 12, 1954 Observer O - H Julian Day 24350590 29 59 59.1 3620.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21859	HD 10780	01 40.4	+63 22	I-25	E113-0	Sw 028	+9.0	23 48	23 57	1
"	"	"	"	"	"	"		23 57	00 13	"
21860	θ Per.	02 37.4	+48 48	"	"	"		00 16 ⁰³	00 17 ³³	2
								00 18	00 21	"
							+9.0	00 21	00 29	"
21861	α Tri.	01 47.4	29 06	"	"	"		00 32 ²⁷	00 33 ⁰⁷	3
								00 33 ²³	00 34 ⁴³	"
							9.0	00 34 ⁵⁵	00 37 ³⁵	"
21862	K Cet.	03 14.1	+03 00	"	"	"		00 42 ⁴⁵	00 46 ⁴⁵	4
							9.0	00 47	00 55	"
								00 55	01 11	"
21863	i Per	03 11.8	49 14	"	"	"		01 15 ¹⁸	01 16 ⁴⁸	1
								01 20 ⁰⁰	01 23	"
							9.0	01 23	01 29	"
[OVER]										

Dome Temp.....

Transparency Conditions.....

Focus 15.562

Dome Temp.....

Changed to 25" camera 12 1/2" was Focus 12.735
 25" is Focus 15.482
 Filt 20.35 25" is Filt 23.15
Should be changed

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+63 37	0	6.44	AK2	6-6	Set 2 8"	OLS
34W			"	"	6-6	" 8 16"	fine
			4.60	F7V	—	" 1 1 1/2"	OLS
					12	5 3	0020 Image Unsteady / fine
00 53W	49 00	1+			—	9 6	
			3.8	F5	—	" 1 40 ^S "	OLS
					12	5 80	fine
152W	2920	1			—	9 160	
			5.5	G5V	—	1 4	
	+03 11				12	5 8	fine
01 00W					—	9 16	
			4.64	G0V	—	1 1 1/2"	0117 Cloud.
					12	5 3	fine
20W	49 25	1			—	9 6	

Date Nov 11-12/54 Cont'd Observer - Hr

Julian Day 24350.58

0 228 59 59.1 3620.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21864	α Tau.	04 30.2	+16 19	I 25	E ₂₂₀	508		01 33 ⁴⁷	01 33 ⁵⁰	2
								01 34 ¹⁸	01 34 ³³	1
								01 35 ⁰⁶	01 35 ³¹	
								01 35 ³⁵	01 36 ³⁵	
21865	1 Ori.	04 44.4	+06 47	"	"	"		01 42 ¹⁶	01 42 ⁴⁶	3
								01 43 ¹²	01 44 ¹²	
								01 44 ³⁰	01 46 ³⁰	
21866	58 Eri.	04 43.1	-17 07	"	"	"	8.9	01 52	02 08	4
21867	α Aur	05 09.3	+45 54	"	"	"		02 13		1
	"									
	"									
	"						9.0		02 15	
21868	H.D 36484	05 26.9	32 44	"	"	"	9.0	02 23	02 45	2
21869	"	05 50.3	13 56	"	"	"	8.9	02 58	03 20	3
	Trans. Sect.			O.P.B.						

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

3620.7

Ending Time
P.M.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
6			2.29	K ₅ III	-	Set 1 10 OLS	
7					-	4 15	fine
8					-	7 25	
00 09 W					-	10 40	
20			3.62	F ₆ II	-	1 1/2 OLS	fine
					12	5 1	
00 05 W					-	9 2	
0 28 W	-17 00	0	6.0	G ₀	6-6	" 2 OLS	fine
			0.7	G ₀	-	" 1 2 ^s OLS	
					-	3 4	
					-	5 6	
					-	7 8	fine
00 08 W	45 52				-	9 10	
00 20 W	32 46	0	6.50	A ₀	4-4-4	" 2 13 in. 0239 Cloud.	not very
00 32 W	13 54	0	7.0	G ₅	4-8	" 2 OLS. 0303 Cloud	too weak
					15/10	" 2 3 PM 14 10 PM	OK

Date Nov. 12-13 / 54

Observer - H/r

Julian Day 24350.59

0 230 00 19.8 3622.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	^{3.3} Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Angle End
21870	H.D. 32147	04 55.9	-05 52	I-25	E ₁₀₀₀ -0	.008	3.3	01 36	02 26	4	01 14
21871	" 36484	05 26.9	+32 44	"	"	"	3.0	02 35	02 59	1	02 10
	Focus Test O. 113.										

Dome Temp.

Focus

Dome Temp.

Dome Temp. 31°F

Transparency Conditions *good*

252

Focus 15.487

Dome Temp. *30.25*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
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00 37W	-05 50	0	7.0	K ₀	4-4-4	Set. 2. C.L.S.	clocks very irregular	w-h
--------	--------	---	-----	----------------	-------	----------------	-----------------------	-----

00 38W	+32 46	0	6.5	A ₀	4-4-4	" 2 Binary	0240 Haze + Cloud from S.W.	good
					15/10	" 8		OK

P.H. 14
How M.

	MC	SC	MTW	STW	S	SW	ME
Nov. 12	-17.8	+06.8	-4.8	0.0	-16.0	+40.3	+8.0

Date Sat-Sun Nov 12-14/54 Observer Ho- Julian Day 2435060.

☉ 231 00 42.3 3624.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21872 } 21873 } 21874	HD 214850 14 And HD 166 Locus Test CTB	22 35.9 23 26.4 00 01.4	+14 01 +23 41 +28 29	I-25 " " "	E103a0 " " "	^{lit} 0.008 " "	+4.7 +4.7 +4.8 "	19 27 19 59 20 28	19 53 20 19 20 48	2 2 1

Dome Temp. +40°

Transparency Conditions *Hazy*

254

Focus 15.505

Dome Temp.

Cloudy at sunset. Cleared off at 19^h

364
Ending Time
EST.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 08W	+14 20	0-1	6.1 [?]	G5	4-4-4	Set 2 OLS Field as in 21623 (Wanted Strong)	fine
00 04W	+38 58	0-1	6.35	Ko III	4-4-4	8 " Low Clouds S.	good
00 02E	+28 45	1	6.8	Ko	4-4-4	2 " Field of 21729 Clouding in! 4PH +11	fine

	NC	SC	MTU	STU	S	SW	NE
Nov. 15	-16.6 ^S	+08.3 ^S	-11.1	-.2 ^m	-14.9 ^S	+11.8 ^S	-.1 ^S

3020.8

Dome Temp. +35°F

Transparency Conditions *good, but clds in N & elsewhere in horiz.*

Focus 15.502

Dome Temp.

3021

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+45° 23'	0	5.17	G8 III	-	Set 1 OLS suff 2 1/2"	
					12	5	5
0:39 W					-	9	10
2:34 W	+49 58	0	6.34	K10-III	4-4-4	Set 2 " 16"	<i>fine</i>
3:46 W	+56 47	0	6.19	G8 III	4-4-4	8 " 18" (haze)	<i>fine</i>
clouds came in from NW.							
4 P.H. +9 Hon M							

Dome Temp. $+48^{\circ}\text{F}$

Transparency Conditions

Focus

Dome Temp.

063
3630Ending Time
L.A.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
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haze, telescope wet with dew,
secondary dewed over when
cap removed, primary seems OK
covered mirrors, and waited

	MC	SC	MTW	STW	S	SW	ME
Nov. 18	-15.0°	$+9.6^{\circ}$	-7.3°	$-.2^{\text{m}}$	-12.6°	$+39.1^{\circ}$	$+2.7^{\circ}$
	MC	SC	MTW	STW	S	SW	ME
Nov. 19	-14.4°	$+10.6^{\circ}$	-9.5°	$-.3^{\text{m}}$	-10.2°	$+48.8^{\circ}$	$+4.3^{\circ}$

Date Thurs Dec 2-3/54 Observer Hd- Julian Day 2435.079
 ☉ 250 13 01.4 3651.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
21878	θ Per	02 37.4	+48 48	I-25	E103aD	008	-1.0	22 33	22 34	1
								22 35	22 38	
								22 38½	22 45	
21879	ε Eri	03 28.2	- 9 48	"	"	"		22 53½	22 55	2
								22 55½	22 59	
							-1.0	22 59½	23 05½	
21880	ε Eri	03 28.2	- 9 48	"	"	"		23 10	23 11½	3
								23 12	23 16	
								23 16½	23 23½	

Dome Temp. +26 F

Transparency Conditions.....

Focus..... 15432.....

Thick clouds earlier

Dome Temp.....

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 14		49 01	0	4.6	F7V		Set 1	
22 38						12	5	<i>fine</i>
22 45							9	
22 55		0	0	4.6	K2V		1	<i>fine</i>
22 59						12	5	
23 02	W 2 ^m	- 9 38					9	<i>Maybe didn't pull slide on this</i>
23 05							1	
23 16						12	5	<i>fine</i>
23 25	W 20 ^m						9	<i>Clouds Hopeless.</i>

	MC _s	SC _s	MTW _s	STW _s	S _s	SW _s	ME _s
Nov. 22	-15.3	+4.9	-8.4	-2 ^m	-2.4 ^s	+8.8	+4.8
24	-14.2	+11.1	-12.9	-3 ^m	+1 ^s	+32.8	+9.2
26	-14.0	+2.4	-13.1	+2 ^m	-15.6 ^s	-20.9	-2.1

Dec 50 252 14 51.4 3653.1

Date Sunday Dec 5/57 Observer L Julian Day 2435082

Dec 6 0 253 15 44.5 3653.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Angle End
21881	P Cyg.	21. 30.2	+45 09	I-25	E-10340	set CO8	-4.1	18 16 10	18 18 40	4	
								18 19 10	18 24 10		
								18 25 40	18 35 40		
21882	72 Cyg	21 30.7	38 05	"	"	"	-4.1	18 40	18 52	1	1 58 W
21883	14 And.	23 26.4	38 41	"	"	"	-4.1	18 59	19 17		0 27 W
21884	HD 220334	23 17.8	20 01	"	"	"	-4.2	19 21	19 57	2	1 16 W
21885	HD 4628	00 13.1	04 46	"	"	"	-4.2	20 02	20 20		0 13 W
21886	107 Psc	01 37.1	19 47	"	"	"	-4.3	20 26	20 58	3	0 23 E
21887	112 Psc	01 55.0	02 38	"	"	"	-4.3	20 42	21 00		0 18 E
21888	u Car	01 01.6	59 36	"	"	"		21 11	21 19	4	0 53 W
21889	HD 10720	01 40.4	13 22	"	"	"		21 35	21 52		0 49 W
21890	ε Cet	02 39.7	-12 15	"	"	"	-4.4	22 03 10	22 05 50	1	
								22 07	22 12		
								22 13	22 23		0 26 W
21891	HD 17925	02 27.7	-13 11	"	"	"	-4.4	22 28	22 50	2	0 39 W
21892	39 Tau	05 59.4	21 44	"	"	"		22 56	23 18		0 15 E

Dome Temp. +18°F

Focus 15.392

Dome Temp.

Transparency Conditions *Good*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	45 23	0	5.17	G ₈ III		Set 1 OLS Prog.	
					12	Set 5	fine
1 42 W						Set 9	
1 58 W	38 17	0	6.04	K ₁ III	6-6	Set 2 " "	weak
0 27 W	38 57	0	6.35	K ₀ III	6-6	Set 8 " "	fine
1 16 W	26 17	0	7.0	G ₀	6-6	Set 2 " "	weak
0 13 W	05 01	0	6.4	K ₂	6-6	Set 8 " "	weak
0 23 E	20 00	0	6.04	K ₁ V	6-6	Set 2 MC SC MTW STW S SW ME	weak
0 18 E	02 52	0	6.4	G ₀	6-6	Nov 29 $\begin{matrix} 14.1^s & +10.7^s \\ -35.2^s & -.4^m & -2.1^s & +20.5 & +5.7 \end{matrix}$	weak
0 53 W	54 39	0-1	5.71	G ₅ IV	6-6	Dec 12 $\begin{matrix} 13.3 & +11.2 \\ -32.5 & -.3^m & +1.4 & +40.0 & +1.5 \end{matrix}$	weak
0 47 W	63 35	0-1	6.4	K ₂	6-6	Set 8	weak
	-12 07	0	5.3	F ₅		Set 1	
					12	Set 5	
0 26 W						Set 9	fine
0 39 W	-15 00	0	6.6	G ₅	6-6	Set 2	weak
0 05 E	21 53	0-1	6.6	G ₅	6-6	Set 8	weak

Date Sunday Dec 5-6/54 Observer L - (H.) Julian Day 2435082.
0 253 15 44.5 36539

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21893	H.D. 32147 Focus Test	04 55.9	-05 52	I-25	E-103A0	set 008	-4.4	23 24	23 52	3
								O.T.B.		

Dome Temp
Focus
Dome Temp
Hour Angle
End

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

082
539

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 21 E	-05 49	0	70	Ko	6-6 15/10	<p>cloud shutter</p> <p>Set 2 OLS Prog. haze snow</p> <p>4 P.H.S loaded +10</p>	weak
						<p>MC SC MTW STW S SW ME</p> <p>Dec 6. -10.0 +10.4 -30.1 -.5^m +20.2 +27.5 +10.9</p>	

Dec. 6 @ 253 15 44.5 3653.9

Date 1954 Dec 6-7 Mon/Tues Observer MR (0) Julian Day 2435083.

Dec. 7 @ 254 16 38.4 3654.7

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21894	V548 Cyg	19 ^h 54. ^m 6	+54° 32'	I 25	0300	.016 ^{at}	-7.3°C	17:33	18:35	4
21895	HD 207130	21 41.9	+71 52	"	"	.008 ^{at}		18:49	19:00	1
21896		HD 221356	23 26.4	-4 38	"	"	"	19:10	19:38	1
21897	B Ct	00 38.6	-18 32	"	"	"		19:42	-	-
	"	-	-	"	"	"		-	-	-
	"	-	-	"	"	"		-	19:47	-
21898	B Ct	00 30.1	-4 09	"	"	"		19 56	20 00	-
	"	"	"	"	"	"		20 00 20	20 08	"
21899	T Ct	01 39.4	-16 28	"	"	"	-7.3	20 11 20	-	-
	"	"	-	"	"	"		12 17	-	-
	"	"	-	"	"	"		13 42	-	-
	"	"	-	"	"	"		16 10	20 20 10	-
21900	112 Psc	01 55.0	+2 38	"	"	"		20 25	20 37	1/2
21901		HD 10307	01 35.7	+42 07	"	"	"	20 40 12	20 43 27	"
		"	"	"	"	"	"	20 43 50	23 50 00	"

Dome Temp. +17°F

Transparency Conditions *good*

Focus 15.352

Dome Temp.

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3:22 W	+54° 40'	1	89.97	AD	2-2-2	st 5	<i>fine</i>
2:00 W	-	1	6.46	KII	12	at 2 wavy 0 LS	<i>good</i>
0:52 W	-4: 21	1-2	7.2	F-8	6-8	st 8	<i>good</i>
-	-18: 13	"	3.0	K0	-	st 1 - 1/2"	"
-	-	-	-	-	12	5 4"	<i>fine</i>
0:11 E	-	-	-	-	-	9 2"	"
-	-3: 51	1-2	5.6	F8	12 ^s	" 2 4	"
0:19 W	-	-	"	"	12	8 8	<i>fine</i>
-	-16: 11	1	4.21	G8V	-	" 1 1/2	"
-	-	-	-	-	-	" 4 1	<i>fine</i>
-	-	-	-	-	-	" 7 2	"
0:38 E	-	-	-	-	-	" 10 4	"
00:31 E	-	2	6.4	G0	6-	" 2 12	"
0:06 E	+42: 02	3	5.57	G-2V	-	" 6- 3"	"
-	-	-	-	-	"12"	" 10-	<i>fine</i>

267

☉ Dec 6 253 15 44.5 3653.9
 ☽ Dec 7 254 16 38.4 3654.7

Date..... Observer *MR-0*..... Julian Day *2435083*.....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle End
21902	<i>v</i> Amd	01 30.9	+40 54	I 25	EK320	.008		20 52 20	-	2	0 07
	"	"	"	-	-	-		20 53 30	-		-
	"	"	"	-	-	-		20 55 15	20 58 15		-
21903	<i>d</i> Tri	01 47.9	+29 06	"	"	"		21 01 40	-	3	-
	"	"	"	"	"	"		21 02 13	-		-
	"	"	"	"	"	"		21 30 20	21 31 35		0 25
21904	<i>s</i> Tri	02 10.8	+33 46	"	"	"		21 34 42	-	4	-
	"	"	"	"	"	"		21 36 48	-		-
	"	"	"	"	"	"	-7.3	21 40 50	21 48 50		0 15
21905	<i>d</i> Ari	02 01.5	+22 59	"	"	"		21 52 22	-	1	-
	"	"	"	"	"	"		21 52 56	-		-
	"	"	"	"	"	"		21 54 20	21 55 40		0 30
21906	<i>e</i> Cet	02 34.7	-12 18	"	"	"		21 59 25	-	2	-
	"	"	"	"	"	"		22 01 00	-		-
	"	"	"	"	"	"		22 06 45	22 06 45		0 33

3653.9
3654.7

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time
R.A.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality	
-	0 08 W	41 10	3	4.62	GR	-	Sat 1	50 ^s	OLS	
-	-	-	"	"	"	12	5	1.5		fine
-	-	-	"	"	"	-	9	3		
-	-	29 21	3	3.8	FS	-	" 1	20	OLS	
-	-	-	"	"	"	-	5	70		Here we did blow a fuse
-	0 25	-	"	"	"	12	9	80		
-	-	34 00	3	5.48	GO	-	" R	2	OLS	
-	-	-	"	"	"	12	5	4		fine
-	0 18 W	-	"	"	"	-	9	8		
-	-	23 14	3	3.14	K2	-	" 1	20	OLS	
-	-	-	"	"	"	12	5	40		fine
-	0 35 W	-	"	"	"	-	9	80		
-	-	-	1	5.3	FS	-	" 1	2		Here we did break the control
-	-	-	"	"	"	12	5	5 ^m		fine
-	0 23 W	-	"	"	"	-	9	18		

Date..... Observer MR-O - H Julian Day 2435083.

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21907	94 Cet	03 ^h 07.7 ^m	-1° 34'	I-25	E103a-0	008		22 27 35	22 30 35	3
	"	"	"	"	"	"		22 31	22 37	-
	"	"	"	"	"	"	-7.3	22 37 30	22 49	4
21908	10 Tau	03 31.8	+0 05	"	"	"		22 52 35	-	4
	"	"	"	"	"	"		22 54 15	-	"
	"	"	"	"	"	"		22 57 30	23 03 30	"
21909	HD 25457	03 57.5	-0 33	"	"	"		23 06 00	-	1
	"	"	"	"	"	"		23 11 15	23 21 15	"
21910	0 ² Eri	04 10.7	-7 49	"	"	"		23 24 30	-	2
	"	"	"	"	"	"		23 29 45	23 39 45	"
21911	1 Ori	04 44.4	+6 47	"	"	"		23 43 30	-	3
	"	"	"	"	"	"		23 44 37	-	-
	"	"	"	"	"	"		23 46 35	23 48 35	"
21912	58 Eri	04 43.1	-17 07	"	"	"	-7.2	23 54	00 16	4
21913	111 Tau	05 18.6	+17 17	"	"	"		00 31	00 39	"
	"	"	"	"	"	"	-7.2	00 39	00 55	"

3654.7

270

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
-	-1° 28'	1-2	5.6	F5	-	ct 1 3 OLS	
-	-	"	"	"	12	" 6	fine
0 22 W	-	"	"	"	"	12 need to cut wire	
-	+0° 15'	"	4.9	G5	-	" 1 1/2 OLS	fine??
-	-	"	"	"	12	5 3	fine
0 13 W	-	"	"	"	-	9 6	
-	-	1-2	5.8	F5	-	1 2 5 OLS	fine
0 03 W	-0° 25'	"	"	"	12	8 90	
-	-7° 45'	0	5.0	G5	-	" 1 5" OLS	fine
0 11 W	-	"	"	"	12	8 10"	
-	+6° 52'	0	3.62	F6V	-	" 1 45" OLS	
-	-	"	"	"	-	5 1/2	fine
0 13 E	-	"	"	"	12	9 3	
0 15 W	-16° 39'	0	6.0	G0	6-6	" 2 20 min OLS	good
0 01 W	+17° 20'	0	5.6	F6V	6-6	" 5 8 min "	fine
0 018 W		0			6-6	" 0 16 min.	

65+7

Dome Temp. +13°E

Transparency Conditions A little cloud - East

Focus.....

Dome Temp.....

Ending Time R.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0138W	+32 45	00	6.5	A0	6-6	Set. 2. Binary	fine
0210W	43 11	0-1	8.3	Gop	3-3	" 2. Bidelma's *	fine
0025E	-13 49	0	5.8	G1V	3-6	" 2 12m OLS	fine
0033E	-3 37	0	6.0	F5	4-4-4	" 2 "	fine
0019E	28 39	0	6.8	K0	4-4-4	" 2 "	BROKEN
0006W	15 09	0	7.0	G5	4-4-4	" 8 "	X
			4.9	F5	-	" 1 2m	
0009W					6-6	5 4m	fine
0018W	-02 35	0			-	9 8m	

0430 Very Windy

Wind Turning Down

2 PH. + 14
H. - M.

Dec. 7 ☉ 254 16 38.4 3654.7

Date Dec 7/8, 1954 Observer Ho Julian Day 2435004

Dec. 8 ☉ 255 17 33.1 3655.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21921	V 548 Cyg	19 546	+54 32	I 25	Kodak	Set 016	-6.9			
21921	} HD 213429	12901 22 26.1	6.07 -7 04	"	"	Set 008	-6.9	18 19	18 44	2
21922		11301 23 10.7	11.08 -9 38	"	"	"	-6.7	18 57	18 53	
21923	HD 217166	15001 22 57.5	14.07 +8 32	"	"	"	"			
21924	HD 217356	12401 23 06.7	12.01 -4 38	"	"	"	"			
21925	13 set	10001 00 30.1	10.01 -4 59	"	"	"	"			
21926	16 set	10001 00 38.6	10.01 -18 32	"	"	"	"			
21929	HD 30353	04 47.8	43 46	"	"	"	-6.2			

Dome Temp -
Focus 16.5
Dome Temp -
Hour Angle
End

Dome Temp. +20°F

Transparency Conditions Poor

Focus 15:367

Dome Temp. 15:367

Sunset - some cloud, very windy.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
			8927	A0		Set 5 <i>Too windy - dome wouldn't go for anything N.</i>																									
						<i>More 1/2 hr for cloud in S to appear or disappear & drop.</i>																									
00 50N	-06 48	00	6.6	F8	6-6	Set 2 OLS	F. def. ⓪. Windy in the <i>fine</i>																								
00 16W						Set 9	⓪ " → cloud. <i>fine</i>																								
00 25W	-09 19	0-1	5.1	K _{III}	12																										
			6.2	C0		"	Very Windy & Cloudy!																								
			7.2	F8		"																									
			5.0	K_{III}		"																									
			3.0	F0		"																									
						<i>More Clouds</i>																									
						<i>274 + 12</i>																									
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td>Dec. 8</td> <td>-9.2</td> <td>+8.5</td> <td>-40.1</td> <td>-.6^m</td> <td>-.3^s</td> <td>-9.7^s</td> <td>-.1^s</td> </tr> <tr> <td>Dec. 10</td> <td>-8.6</td> <td>+8.8</td> <td>-42.1</td> <td>-.6^m</td> <td>+0.7^s</td> <td>+9.7^s</td> <td>+3.1^s</td> </tr> </table>		MC	SC	MTW	STW	S	SW	ME	Dec. 8	-9.2	+8.5	-40.1	-.6 ^m	-.3 ^s	-9.7 ^s	-.1 ^s	Dec. 10	-8.6	+8.8	-42.1	-.6 ^m	+0.7 ^s	+9.7 ^s	+3.1 ^s	
	MC	SC	MTW	STW	S	SW	ME																								
Dec. 8	-9.2	+8.5	-40.1	-.6 ^m	-.3 ^s	-9.7 ^s	-.1 ^s																								
Dec. 10	-8.6	+8.8	-42.1	-.6 ^m	+0.7 ^s	+9.7 ^s	+3.1 ^s																								

Sum Date Dec 12-13/54 Observer *Nel - H.V.* Julian Day 2435089
 ☉ 260 22 19.4 3660.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
21923	1 Peg A	21 17.5	+19 23	I-25	E103a0	008	-05	19 04	19 07	3	
								19 08	19 14		
								19 15	19 27		3 03
21924	β Cet	03 38.6	-18 32	"	"	"	"	19 36 15	19 38 30	4	
								19 38 00	19 38 30		
								19 41 55	19 42 00		0 05E
21925	HD 17106	22 53.5	+8 50	"	"	"	"	19 56	20 22	1	
21926	49 And	01 24.1	+46 30	"	"	"		20 39	20 55	1	
	HD 15085	02 47.7	+3 4				Temp control reset				
21927	HD 30353	04 41.8	43 06	I-25	E103a0	016	-1.0	23 27	00 57	1	0 09W
21928	H.D. 36484	05 26.9	32 44	"	"	008	-1.0	01 08	01 34	2	0 10W
21929	" 65176	07 52.4	-01 20	"	"	016	-1.0	02 12	03 42	3	0 15W
21930	" 65079	07 51.9	+23 14	"	"	"	-1.0	03 49	04 59	4	0 20W
21931	" 38430	10 09.3	47 58	"	"	008	-1.0	05 20	06 30	1	0 10W
	<i>[Handwritten scribble]</i>	<i>[Handwritten scribble]</i>	<i>[Handwritten scribble]</i>	<i>[Handwritten scribble]</i>	<i>[Handwritten scribble]</i>	<i>[Handwritten scribble]</i>					

Dome Temp.....

Transparency Conditions

Focus 15442 (15432)

cleaning after sunset

Dome Temp.....

3660.2

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
407h	19 36	0	5.19	K111		Set 1	plate numbered 19922
					12	" 5	
3 03W						9	
			30	K011		1	plate numbered 19924
					12	5	
0 03E	-18 14	0				9	
2 32W	+9 06	0	6.9	30	4-4-4	1	clouds
0 25W	+46 46	10-1	6.34	K011	4-4-4	8	More cloud
			6.6	35			
0 10 9W	43 11	0	8.3	Gof	2-2-2		Biederman's *
0 10 1W	32 44	00	6.50	A0	4-4-4	Set. 5	0140 Cloud Form. S.
50 45W	-01 31	0	8.1	B3 ne	2-4	" 5	Hd Be Spot bad
02 03W	+03 04	00	7.7	B3 ne	2-2-2	" 5	0405 Cloud Form. S.
0 14 0W	49 40	0	7.97	dM0	4-4-4	" 2	0425 " " "
					15/10	8	3 P.H. + H
							H = M

fine

quarry work

good

good

fine

fine

fine

fine

fine

Ok

Dome Temp. 26°F

Transparency Conditions *good, dls in N*
cleared about 11:30

Focus 15.417

Dome Temp. 25.5°F

Geminids noticeable both last night & tonight

5090
36612

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
				5.38	GOT	—	cat 1. OLS	
			1			6-6	" 5.	fine
0036W	40 04					—	9.	
0147W	37 15	0	8.1	K1	4-4-4	" 2	"	fine
0043E	28 23	0-1	6.8	K0	4-4-4	" 8	" Northern A Pair	fine
0021E	15 00	0	7.0	G5	4-4-4	" 2	"	fine
0025E	36 00	0	6.22	G82	4-4-4	" 2	"	fine
0039E	23 18	0	6.2	F5	4-4-4	" 2	" (Monday)	fine
0115E	45 20	0-1	7.0	G2	4-4-4	" 2	" B. 1/2"	fine
0044E	38 00	2-12	7.24	G1EP	4-4-4	" 2	MC (SC) MTW STW S SW ME	fine
0114E	27 30	1-2	6.5	F2	4-4-4	Dec 13	-5.0 +8.3 -45.1 -.6 ^m +3.0 +40.1 +2.7	fine
0117E	-19 42	00	6.0	K _{IV}	4-4-4	" 2	"	weak
						15/10	" 1 PHL - 12	
							1/19	
							MC SC MTW STW S SW ME	
							Dec. 15 -3.3 +7.7 -45.2 -.2 ^m +3.5 +5 +9.4	

⊙ Dec. 16 263 25 22.9 3663.1
 ⊙ Dec. 17 264 26 26.0 3664.1

Date *Thurs Dec 16-17/54* Observer *L-* Julian Day *2435093*

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21942	H.D. 213429	22 26.1	-07 04	I-25	E103.0	set 008	-1.2	17 30	18 09	4
21943	91 Aqr	23 10.7	-9 38	"	"	"		18 13	18 25	
21944	1 Psc	21 17.5	+19 23	"	"	"	-1.1	18 32 ³⁰	18 38 ³⁰	3
	"	"	"	"	"	"		18 38 ⁰⁰	18 50 ⁰⁰	
21945	13 Cet	00 30.1	-4 09	"	"	"		18 54	19 10	2
	B Cet	00 38.6	-18 14	"	"	"		19 13 ¹⁵	19 14 ¹⁵	3
21946	"	"	"	"	"	"		19 15 ¹⁰	19 16 ¹⁰	3
	"	"	"	"	"	"		19 16 ³⁰	19 18 ³⁰	3
	"	"	"	"	"	"		19 18 ⁰⁰	19 22 ⁴⁵	3
21947	51 Psc	22 52.5	+20 32	"	"	"	-1.1	19 29	19 51	2
21948	85 Psc	23 56.8	+26 34	"	"	"		19 55	20 25	4
21949	107 Psc	01 37.1	+19 47	"	"	"		20 28	20 48	4
21950	HD 220324	23 17.8	20 01	"	"	"		20 55	21 49	1
21951	94 Cet	03 07.7	-01 34	"	"	"	-1.1	21 54	22 08	1
21952	HD 4628	00 45.1	04 46	"	"	"		22 13	22 47	3
21953	" 16160	02 30.6	06 25	"	"	"	-1.2	22 50	23 34	2

Dome Temp. +27°F

Transparency Conditions

Focus 15.432

Dome Temp.

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0	53 W	-06 48	0	6.6	F8	4-4.4	Set 2 O.L.S., Prog	good
0	24 W	-09 20	0	5.1	K0	6-6	5 1/2 12" OLS	fine
		+19 35	0	5.19	K1 III	6-6	" 2 6" "	fine
2	44 W			"	"	6-6	" 8 12"	fine
0	10 E	-3 51	0	5.6	F8	6-6	" 2 16" OLS	fine
			0	3.0	K0		" 0 1/2 OLS	
							3	
						12	6 1/2 2	
0	07 E						10 4	
2	09 W	+20 31	0	6.21	G0	6-6	Set 8 22" OLS	fine
1	38 W	+26 52	0	6.41	G2	6-6	" 2 30" OLS	good
0	21 W	20 02	0	6.04	K1	6-6	Set 8 20" "	good
3	42 W	20 18	0	7.0	G0	6-6	Set 2 51" "	good
0	10 W	-01 24	0	5.6	F8	6-6	" 8 14" "	fine
3	14 W	05 03	0	6.4	K2	6-6	" 2 34" "	fine
2	13 W	06 40	0	6.81	K4	6-6	" 8 14" "	fine

Date Dec. 16-17/54C Observer L-H Julian Day 243509.3
264 26 26.0 3664.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21954	H.D. 41330	05 394	35 24	I 25	E-103a0	508	-1.2	23 40	00 20	3
21755	" 42807	06 07.7	45 40	"	"	"	-1.2	50 24	01 44	"
	<i>Prods. Tent.</i>				O.T.B.					

Dome Temp. 21°F

Transparency Conditions Good

Focus.....

Dome Temp.....

93
364.1

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 30E	35 24	0	6.7	G0	6-6	Set 2 OLS. Prog	Atmos
00 47W	+10 37	00	7.0	G-5	4-4-4 15/0	" 8 Hazy from cloud base	Atmos
						4. P.H. +13	
						H.M.	
						MC SC MTW 2TW S SW ME	
						Dec.17 -2.9 ^s +6.5 ^s -50.5 ^s -1 ^m +3.2 ^s +17.5 ^s +2.2 ^s	
						Dec.20 -1.1 ^s +.7 ^s -52.9 ^s -6 ^m +3.0 ^s -16.5 ^s +4.1 ^s	

Date Tues. Wed. Dec. 22. 1954 Observer O Julian Day 2435098

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21958	HD 211476	22 12.2	+12 23	1-25	E103a 0	308	-9.8	17 27	18 37	2
21959	HP 217166	22 53.5	+8 50	"	"	"	-9.5	15 42	19 18	2
21960	HD 6348	0 59.4	+65 26	"	"	"	-9.6	19 22	20 12	3
21961	HD 4180	0 39.2	+47 44	"	"	"	-9.6	20 17	20 20	4
"	"	"	"	"	"	"	"	20 20	20 26	4
21962	HD 17925	02 47.7	-13 11	"	"	"	-9.6	20 36	21 22	1
21963	10 Tau	03 31.8	+0 05	"	"	"		21 26	21 33	1
21964	HD 17243	03 00.7	+62 00	"	"	"	-9.7	21 42	22 12	3
21965	HD 21650	03 24.6	+41 25	"	"	"	-9.7	22 17	23 15	2
21966	8 Tau	04 14.1	+15 23	"	"	"	-9.7	23 22	23 32	3
"	"	"	"	"	"	"		23 32	23 36	3
21967	8 Tau	04 17.2	+17 18	"	"	"		23 39	23 47	4
"	"	"	"	"	"	"	-9.7	23 47	23 51	4
21968	ETau	04 22.8	+18 58	"	"	"		23 55	23 59	1
"	"	"	"	"	"	"		23 59	00 07	1

Dome Temp. +14

Transparency Conditions *Clear*

ocus 15.322

Dome Temp. - 6

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
7 17	Z 04W	+12 40	1	7.6	G2	4-4-4	St 2 OLS	2 PH ranged up will
1 18	Z 04W	+9 05	1	6.9	G0	4-4-4	" 8 "	out both ^{plates} or low one
0 2	0 51W	+65 42	1	7.1	B5e	4-4-4	" 2 B _e	will be added.
0 0			0	4.7	B4m+	12°	" 2 5" B _e	
0 2	1 26W	+48 01	0	"	"	6-6	" 8 6" "	
1 2	0 19W	-12 58	0	6.6	G5	4-4-4	" 2 as	
1 11	0 19E	+0 15	0	4.9	G5	6-6	" 8 "	strong
12 2	0 50W	+62 12	0	6.5	B2e	4-4-4	" 8 B _e	fin
13 15	1 36W	+41 33	0	7.2	B5m+	4-4-4	" 2 B _e	fin
13 15			0	4.60	K0	6-6	" 2 7" OLS	clouds
13 3	1 02W	+15 20	"	"	"	12	" 3 8" "	fin
13 17	0 9W	+17 17	0	4.71	K0	6-6	" 2 5" OLS	
13 17	1 14W		"	"	"	12	" 8 4" "	fin
13 17		+19 04	"	4.58	K0	12	" 2 4 OLS	
13 17	1 24W		"	"	"	6-6	" 8 3 "	fin

Dec 21 @ 268 30 47.4 3667.3
 Dec. 22 @ 269 31 54.7 3667.9

Date Dec 21/22, cont. Observer PKK Julian Day 2435098

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Angle End
21969	HD 36484	05 26.9	+32 44	I-25	E102-40	1008	-100	00 16	00 42	1	
21970	HD 34921	05 15.8	+37 35	"	"	"	"	00 48	01 40	2	
21971	HD 44637	06 17.7	+15 09	"	"	"	"	02 07	03 07	1	
21972		45314	06 21.6	+14 57	"	"	"	03 15	03 49	1	
21973		45995	06 25.6	+11 19	"	"	"	03 56	04 08	1	
	Focus Test O.T.P.										

3667.3
3667.9

ome Temp.....

Transparency Conditions.....

ocus.....

ome Temp.....

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0.54W	32 45	0	650	A0	4-4-4	net 5 Sep binary	fine
2.04W	37 35	0	74	B5ne	4-4-4	net 8 Pre prog, the same plate as 21965	fine
2.30W	15 08	0	77	B3e	4-4-4	2 "	good
3.08W	14 55	0	71	B2ne	4-4-4	8 "	fine
3.23W	11 15	0	58	B2ne	6-6	2 " Star gone	local
					15/10	2	cloud.
						4PH, plates needed	

ome Temp.....

Transparency Conditions.....

ocus.....

Dec 22/54

ome Temp.....

Changed to 12 1/2 camera 25" was { Focus 15.322 12 1/2" Focus 12.534
Sett 23.15 Sett 20.35

Hour Angle End	Declination	Seeing	Rtg. Mag.	Sp.	Comp.	REMARKS	Quality
						Focus Test. set 2 12.944 8/6	
						" 5 " .924 8/6	
						" 9 " .934 8/6	5R
						MC SC MTW STW S SW ME	
						Dec. 22 -1 ^s +2.0 ^s -55.2 ^s -.8 ^m +.1 ^s +4.8 ^s +2.0 ^s	

Dome Temp... +23

Transparency Conditions Scattered clouds at beginning

Focus... 12.933

Good

Dome Temp.....

3PH E103a-0 1PH H&C speed
2,3,4 #1

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+48 00	0	6.7	G5	4-4	Set 2 α Per A #176 Clouds at end.	good.
					15-10	" 9	
						Still completely overcast at 9:30	
						Merry Christmas!	
						MC SC MTW STW S SW ME	
						Dec. 30 S 4.4 S 1.7 S -20.1 S -7 ^m S 1.9 S -19.4 S -4.5	

Date Sun Mon Jan 2-3, 1955 Observer O-Julian Day 2435110

☉ 281 45 46.4 3668.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21975	BD +49° 900	3 11.7	+49 26	J-12	E103a-0	^{cut} .008	+2.4	20 37	21 17	2
21976	BD +48° 886	3 12.6	+48 17	"	"	"	+2.5	21 51	21 57	2
21977	BD +50° 738	3 13.1	+50 37	"	"	"	+2.4	22 00	22 24	3
21978	BD +51° 728	3 16.5	+51 25	"	"	"	+2.3	22 28	23 08	3
	BD +48° 903	3 16.6	+48 16							

Dome Temp. $+30^{\circ}$

Transparency Conditions *Scattered Clouds*

Focus 12939

Dome Temp.

110.
668.9

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
07	31 W	+49 35	0+	7.8	A0	2-2-2	Est 2 x Per #386 Scattered Clouds	f
08	10 W	+48 26	0	7.6	A0	2-2-2	3 x Per #423	f
09	37 W	+50 48	0	7.0	B7	2-2-2	2 x Per #441 Clouds	stony
10	18 W	+51 36	0	7.7	A0	2-2-2	8 x Per #575	stony
				6.8	B9	2	x Per #581 Clouded over	

1 PH hi speed
1 PH E103a-0 +12

	ME	SC	MTW	STW	S	SW	ME
Jan 3	+7.7 ^s	+8.3 ^s	-17.2 ^s	-.8 ^m	+10.1 ^s	+29.4 ^s	-4.5 ^s
Jan. 5	+9.1 ^s	+3.1 ^s	-18.1 ^s	-.6 ^m	+7.9 ^s	+22.0 ^s	+0.2 ^s
Jan. 7.	+10.9 ^s	-4.7 ^s	-20.9 ^s	-.2 ^m	-0.5 ^s	-1.9 ^s	-3.1 ^s

Dome Temp... 24° F

Transparency Conditions

Focus.....

Dome Temp.....

115
367.6
Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
E 31 ^m	48 19	0	9.1	A8	2-2-3	set 2 # 481 α Per. cluster	fine
W 01 ^m	49 57	1	7.7	A0	2-2-2	11 8 # 612 " " "	fine
						8.4 A42- " 2 # 651 " " " clouds.	

	MC	SC	MTW	STW	S	SW	ME
Jan. 10	+13.0 ^S	-5.2 ^S	-24.9 ^S	-.4 ^m	+3.6 ^S	-30.7 ^S	+3.1 ^S
Jan. 12	+15.0 ^S	-6.4 ^S	-23.2 ^S	-.3 ^m	+3.8 ^S	-9.9 ^S	+1.7 ^S

Dome Temp. $+24^{\circ}$
 Focus 12.934
 Dome Temp.

Transparency Conditions *Clear, clouds in West*

Wed Jan 12. 13 Visitors from spec N course at CNS, RCAF Station, w. peg. Showed telescope etc

Ending Time P.M. EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20:30	0 51 E	+47 53	0	8.6	F0	2-2-2	sd 2 x Per #104 51 sec 1" field	fine
20:50	0 01 W	+49 13	1	8.6	A0	2-2-2	" 3 " 354 Some cloud.	fine
21:10	0 02 W	+43 11	1-2	8.3	Gop	2-2-2	" 5 Bidelman's Star. " "	starry
21:30	0 45 W	+51 29	1-2	9.0	A3	2-4	" 2 x Per #522 Clouds. Snow. No spec	No spec
						15-10		
							2 PH 183 a-0 + 6	
							1 PH in spec.	
							MC SC MTW STW S SW ME	
							Jan. 14 +14. ^s 8 -8. ^s 8 -23.3 -2. ^m +30 +9. ^s 0 +2. ^s 0	
							Jan. 17 +11. ^s 1 -10. ^s 0 -15. ^s 5 -2. ^m +3.2 +8.3 -2. ^s 8	

Dome Temp. +12

Transparency Conditions *Clearing late in the night*

Focus

Arctura

Dome Temp. +8

36054

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
04 54 W	43 10	0	83	60p	2-2-2	sec 5 <i>Kidellman *</i>	<i>fine</i>
02 50 W	24 46	0	874	K0	2-2-2	2 <i>AB 25</i>	<i>fine</i>
02 39 W	27 56	0	849	K0	2-2-2	8 " <i>cloudy + gusty wind</i>	<i>good</i>
					15/10	5	<i>ctered.</i>
						1 PA Hi-speed	
						2 PH E103-a-0 + 4	
						ME SE MTW STW S SW ME	
						Jan. 19 +9.0 ^S -10.7 ^S -13.1 ^S -1 ^m +4.4 ^S -30.6 ^S -15.9 ^S	

Dome Temp. $+16^{\circ}\text{C}$

Transparency Conditions *partially cloudy*

Focus.....

high above

Dome Temp. $+8^{\circ}\text{C}$

Guiding very poor R.A. slow motion clamped down.

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 05	49 00	1	9.1	A9	2-2-2	elt 2 <i>x lens #501</i>	<i>fine</i>
02 20	51 29	1	9.0	A3	2-2-2	8 <i>#522</i>	<i>fine</i>
02 40	48 25	1	6.8	B9	4-4-4	2 <i>#501</i>	<i>fine</i>
03 32	47 44	1	7.7	A0	4-4-4	8 <i>#625 Temp. corrected</i>	<i>fine</i>
05 43W	49 02	0	9.0	A0	2-2-2	2 <i>#606</i>	<i>fine</i>
00 54W	27 56	0	8.98	K0	2-2-2	" 2 <i>A.G. 2.5</i>	<i>good</i>
02 44W	25 16	0	9.0	G5	2-2-2	" 3 <i>Guiding topless</i>	<i>good</i>
					8/6	" 5 <i>0536 Diffraction with</i>	<i>truly</i>
						<i>R.A. slow seeing appears</i>	<i>truly</i>

*2 P.H. Photos Needed
H.M.*

Take up morning when all still!

Jan 20 @ 229 04 47.8 3665.0

Date *Thurs. Fri. Jan 20-21, 1955* Observer *O - H V* Julian Day *2435128*

Jan 21 @ 300 05 52.8 3664.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21994	BD+47° 721	3 19.1	+48 03	I 12	E1030-0	.008	-8.2	17 55	18 39	4
21995	BD+47° 819	3 18.2	+48 58	"	"	"	-8.1	18 43	19 33	2
21996	BD+46° 748	3 18.6	+46 42	"	"	"	-8.1	19 38	21 04	4
21997	BD+47° 830	3 20.5	+47 57	"	"	"	-8.1	21 08	21 44	1
21998	BD+47° 828	3 20.0	+47 52	"	hi-speed	"	-8.1	21 48	22 06	2
21999	BD+47° 831	3 20.9	+47 25	"	"	"	-8.1	22 08	22 32	2
22000	BD+49° 938	3 21.0	+49 37	"	E1030-0	"	-8.1	22 35	23 03	3
22001	BD+48° 924	3 21.4	+47 03	"	"	"	-8.1	23 07	23 57	3
22002	BD+47° 754	3 21.2	+47 34	"	"	"	-8.1	00 01	01 15	4
<i>From Test O.P.B.</i>										

Dome Temp. 71.5 F

Transparency Conditions

Clear

Focus 12934

Dome Temp.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 39	1 04 E	+42 11	0	7.4	Ac	2-2-2	Sid 2 α Per # 672 PA slow Motion stand on 15" exposure	strong
19 30	0 09 E	+49 07	0+	8.9	A4	2-2-2	α Per # 651	strong
20 27	1 22 W	+46 50	1	8.9	A3	2-2-2	α Per # 665	strong
21 17	2 00 W	+48 07	0+	7.9	A0	2-2-2	α Per # 756	strong
22 06	2 23 W	+48 01	0+	6.8	B9	4-4-4	α Per # 735	strong
22 52	2 49 W	+47 34	1	7.1	A0	4-4-4	α Per # 775	strong
23 38	3 19 W	+48 47	1-2	8.0	A0	2-2-2	α Per # 780	strong
23 53	4 13 W	+49 13	1+	8.5	A3	2-2-2	α Per # 802	strong
01 54	05 28 W	49 44	0-1	8.5	A4	2-2-2	α Per # 731 0110 Haze + Cloud from S.W.	fine
						8/6	α Per # 731	strong

2 P.H. + 8

	MC	SC	MTW	STW	S	SW	ME
Jan. 21	+21.9	-31.6	-27.2	+2 ^m	-14.8	-21.1	+0.1
24	+24.1 ^S	-14.5 ^S	-21.1 ^S	-3 ^m	+5.3 ^S	-28.7 ^S	-3.2 ^S
26	+26.6 ^S	-14.5 ^S	-17.5 ^S	-1 ^m	+7.6 ^S	-8.7 ^S	+0.3 ^S

O Jan. 27 306 12 09.1 3659.6
 O 28 307 13 08.7 3658.4

Date *Thurs-Fri Jan 27-28/55* Observer *O-* Julian Day *2435135*

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
22003	BD+47° 835	3 22.1	+47 59	1-12	E113a-0	008	-9.3	18 06	18 30	1
22004	BD+48° 933	3 22.7	+48 53	"	"	"	-9.3	18 34	19 00	1
22005	BD+47° 840	3 22.8	+47 39	"	"	"	-9.3	19 03	19 45	2
22006	BD+48° 934	3 23.2	+48 11	"	"	"	-9.6	19 48	21 22	2
22007	HD 30353	4 41.8	+43 06	"	"	"	-9.7	21 29	21 17	3
	BD+48° 944	3 24.9	+48 16	"	"	"	"	"	"	"

Mun
2 Jan 4.

3654.6
3655.4

Dome Temp. +10° F
Focus 12.934
Dome Temp. +2° F

Transparency Conditions *Clear*

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 30	0 48 E	+48 08	-1	7.2	B9	2-2-2	st 2 x Per # 831	fine
19 00	0 18 E	+49 02	-1	7.4	A0	2-2-2	" 8 x Per # 868	fine
19 45	0 26 W	+47 48	-1	7.9	A0	2-2-2	" 2 x Per # 874	good
21 26	2 03 W	+48 20	-1	8.6	A3	2-2-2	" 8 x Per # 885	good
21 17	1 40 W	+43 11	0	8.3	Gop	2-2-2	" 5 Bidelmar's Star	fine
				8.1			" 2 Per # 870 Clouded over at start.	

1 PH + 4 E1031-0

1 PH (+1) in speed.

MC SC MTW SW S, SW ME

Jan. 28 +24^s 0 +24^s 4 +20^s 0 +.1^m +78.7 -2.6 -9^s 0

Date Jan 28/29/35 Fri Sat. Observer - Hr

Julian Day 2435136

308 14 07.1 3657.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
22008	H.D. 87647	10 01.2	13 17	I-12 $\frac{1}{2}$	E ₁₀₃₀ 0.008		-11.5	01 51	02 29	3
22009	" 87271	09 58.8	12 07	"	"	"	-11.5	02 34	02 56	"
22009F	" 89363	<i>Four feet</i>			0.9/13		Hi spd. Plate.			1

Dome Temp. +7°F

Transparency Conditions Clear.

Focus 12.937

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0039W	+12 59	00	7.51	A5	2-2-2	Set 2	fine
0108W	11 51	00	7.04	A0	2-2-2	" 2	fine
					15/10	" 25	etc. not a little
<p>0345 Dec quadrantation will not engage if cold. Motor brushes sparkling quite a bit.</p> <p>2 P.H. + 2 E 1030-10 H - M.</p>							

36573
36557

ome Temp. $+12^{\circ}F$

Transparency Conditions *Clear*

310

ocus 12.934

ome Temp. $+40F$

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 43	0 30E +48 25	1	8.1		2-2-2	5/2 α Per #970	fine
19 33	0 27W +47 26	1-2	8.7	A0	2-2-2	" 5 α Per #906	fine
1 57	0 45W +47 40	1+	6.6	B9	4-4-4	" 2 α Per #955	fine
20 3	1 00W +48 34	1+	6.5	B9	4-4-?	" 8 α Per #965	R.A. Clamp STILL fine
21 57	2 32W +50 09	1-2	9.1	F0	2-2-2	" 2 α Per #609	NOT WORKING } <i>Manual at 2001</i>
22 7	3 40W +49 37	2	7.0	A3	2-2-2	" 8 α Per #635	ALWAYS } fine
10 00	5 25W +47 47	1-2-0	9.2	A5	2-2-2	" 2 α Per #658	fine
					8/6	8	<i>Some kind of W Par. error at 0.40 c to red</i>

1PH + 2

Date Sun. Jan 30-31/35 Observer L. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22017	BD 49° 28	03 18.8	49 27	I-12½	E-103A _o	^{slit} 008	-8.9	18 50		3

Time Temp. 42
 Humidity 93
 Time Temp.
 Air Angle
 End

Dome Temp. $+10^{\circ}\text{F}$

Transparency Conditions

Focus 12 934

Dome Temp.

Start delayed because of light clouds.

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
49 38	0	2.0	A5	2		<p><i>Set 2 - L Persei slug gone at 19 20</i></p> <p><i>4 PHs loaded + 4</i></p> <p><i>don't</i></p>	
						<p>MC SC MTW STW S SW ME</p> <p>Jan. 31 ^S+30.6 ^S-17.9 ^S-27.2 -6^m ^S+10.3 ^S-20.0 ^S+1.7</p> <p>Feb. 2 ^S+31.5 ^S-20.8 -23.4 -4^m ^S+10.3 ^S-0.8 ^S-5.7</p>	

Date 1955 Feb 2/3, Wed-Thurs Observer Pok - Hr Julian Day 2435141

① 313 18 40.2 3650.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22017	BD+49° 928	03 18.8	+49 27	I-12	E103-a-0	set 008	-11.3	18 22	20 10	1
22018	BD+49° 958	03 24.7	+49 33	"	"	"	-11.4	20 18	22 18	1
22019	BD+49° 967	03 26.5	+49 59	"	"	"	"	22 26	00 22	2
22020	BD+44° 1904	09 41.0	44 42	"	"	516	-11.7	00 52	02 52	3
22021	" 45° 1859	10 38.3	45 12	"	"	"	-12.0	02 52	06 00	77
	From 10.13									

ome Temp. +20 F

Transparency Conditions *Very good*

ocus.....

ome Temp. -9 Was -10 for a while

Focus nut at 12.923

36505

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0119W	49 37	0	9.0	A5	2-2-2	all 2 x fac, # 679	fine
0322W	49 42	0	9.1	F0	2-2-2	2 758	fine
0524W	50 09	0	9.2	A2	2-2-2	2 1050	weak
0140W	4425	00	9.39	A5	1-1-1	" 2 K.A.F.S.	0130 -7°F 0205 Few bits of cloud. fine
0332W	44 54	00	9.59	F4	1-1-1	" 8 "	0350 -10°F fine
					4/3	" 5	0359 Cloud. ct red

1 R.H. + H.
H. - H.

Date Thurs-Fri Feb 3/4, 1955 Observer BK - Hv Julian Day 243514.2
 ☉ 314 19 30.7 3649.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
22022	BD +49° 975	03 29.8	+49 24	T-12 1/2	E103-a-0	2et 008	-13.5	18 32	20 40	4
22023	BD +46° 780	03 30.6	+47 04	"	"	"	-9.0	20 48	22 30	4
22024	BD +47° 862	03 30.8	+47 57	"	"	"	-7.8	22 36	24 14	1
22025	BD +48° 949	03 27.3	+48 19	"	"	"	-6.8	00 03	00 33	1
22026	H.D. 30353	04 41.8	43 06	"	"	"	-6.8	00 35	01 45	2
22027	B.D. +30° 2024	10 24.1	30 01	"	"	016	-6.6	02 10	04 14	3
22028	H.D. 105020	12 00.4	29 04	"	"	"	-6.7	04 20	06 30	1

* Note: all these plates should be marked "Temp?"

JFH

Dome Temp. + 8°F

Transparency Conditions *good windy*

Focus.....

Dome Temp. + 1°F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0142W	49 33	0	9.0	A2	2-2-2	set 2 also #1183	Good
0232W	47 12	0	9.0	F3	2-2-2	8 " #1218	Weak
0458W	48 00	0	8.8	F7	2-2-2	2 #1225 Temp. unsteady!	Good
0529W	48 29	0	7.0	A0	2-2-2	8 " #11082	Good
0533W	43 14	00	8.3	Gop	2-2-2	" 2 B. 12.1.2 * wrong * sp. B80 or 80.	Weak
0221W	29 43	00	9.66	F6	1-1-1	" 5 K.A.F.S.	Strong
0304W	—	0	9.56	K0	1-1-1	" 9 "	fine
					4/3	" 2	stard.

1 PH. + 12

Mon-M.

	MC	SC	MTW	STW	S	SW	ME
Feb. 4	-22.0 ^s	-11.5 ^s	-28.1	-4 ^m	-10.7 ^s	+9.6 ^s	-1.2 ^s

Date Thu Feb 4-5/55 Observer Hd-Hv Julian Day 2435143

⊙ 315 20 20.0 367.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22029	BD 49° 967	3 26.5	49 59	I-12	E103aD	016	-7.0	18 55	20 05	4
22030	BD 49° 991	3 33.7	49 11	"	"	"	-7.3	20 12	21 12	4
22031	BD 49° 918	3 17.1	49 59	"	"	"	-7.8	21 16	22 16	1
22032	HD 30353	4 41.8	43 13	"	"	008	-7.8	22 21	23 25	2
22033	HD 36484	5 26.9	32 46	"	"	008	-7.8	23 30	23 40	3
22034	HD 37736	5 35.7	44 48	"	"	008	-7.5	23 49	00 19	4
22035	37352	05 32.9	35 06	"	"	"	"	00 25		
<p><i>Focus Test 9.7.13.</i></p>										

Dome Temp. +16F

Focus.....

Dome Temp.....

Transparency Conditions *Good*

*Secondary frosted. Evaporated most with heater
But probably spoiled definition*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W1 14	50 08	0 -	9.2	A ₂	1-1-1	Sir 2 α Per. Cl. # 1050 <i>Apollon with 008</i>	2 wk
W2 13	49 19	0	9.2	A ₀	1-1-1	" 8 " " # 1344	2 wk
W3 35	50 10	1	9.1	F ₀	1-1-1	" 2 " " # 609	fine
W3 20	43 12	1	8.3	Gop	2-2-2	" 2 Biddmann's * <i>Some clouds</i>	slam
W2 50	32 45	1	6.5	A ₀	2-2-2	" 2 N Binary	Strong
0320W	44 50	1	7.67	A ₂	2-2-2	" 2 KA 6x6	later
			7.76	A ₀	2	" 2 " " <i>0028 Cl out from S.E.</i>	S.E.

8/6 " 5 3PH. + 4
H on M.

	MC	SC	MTW	STW	S	SW	ME
Feb 7.	-32.9 ^s	-0.5 ^s	-13.2 ^s	-0.1 ^m	+2.6 ^s	-6.6 ^s	+22.1 ^s

Feb. 7 ☉ 317 21 54.5 3645.4
 Feb. 8 ○ 318 22 39.9 3644.2

Date 1955 Feb 7/8 Mon-Tue Observer MR-HV Julian Day 2435.46

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22035	HD 3591	05 ^h 23.0 ^m	+35° 18'	I-12 1/2	103a-0	.008	-1.1°	18:22	18:37	3
22036	BD 46° 780	03 30.6	+47 04	"	"	"	-1.4	18:48	20:50	2
22037	BD 49° 975	03 29.8	+49 24	"	"	"	-1.7	20:58	23:20	1
22038	HD 79190	09 07.5	+56 02	"	"	"	-1.8	23:30	24:20	1
22039	" 82569	09 27.7	61 20	"	"	"	-1.3	00 14	00 44	1
22040	" 82069	09 24.6	30.00	"	"	.016	-1.7	00 54	02 54	2
22041	" 112297	12 50.6	44 50	"	"	"	-1.6	03 02	04 58	1
22042	113995	13 02.4	29 14	"	"	"	-1.8	05 04	06 40	3
From Feb 9, 1955										

Dome Temp. +23° F

Transparency Conditions

Focus

Dome Temp.

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
17:07	1:58 E	+35° 20'	0	6.6	09.5 III	2-2-2	Set 5 OB p. 26	fine
18:02	2:06 W	+47 12	0	9.0	F3	2-2-2	Set 2 v Per 1218	good
18:10	4:38 W	+49 31	0	9.0	A2	2-2-2	Set 8 " 1183 seems very faint	too weak
18:24	0:18 E	+55 46	0	7.4	A0	2-2-2	set 2 8x8	fine
18:30	00 04 W	61 04	0	7.45	F0	2-2-2	" 8 "	stars
18:39	2 19 W	29 45	0	9.45	F3	1-1-1	" 2 K.A.F.S.	stationary
18:41	00 58 W	44 30	0	9.48	F8	1-2-	" 2 "	stationary
18:53	02 28 W	23 55	0	9.76	K5	1-1-1	" 2 "	good.
						4/3	" 8 2 P.H. E 103.00 etrad slightly Plates needed. H.M.	

MC SC MTW STW SW S ME
 Feb. 9 +25.1^s -2.5^s -14.9^s 0 +1.5^s +2.7^s +16.0^s

Feb. 11 ☉ 321 24 49.0 3640.8
 Feb. 12 ☉ 322 25 29.8 3639.6

Date Fri Feb 11-12/55 Observer Ad Julian Day 2435150.

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
22043	MWC 49 HD 15472	2 24.4	70 30	1+25	E10340	016	-4.0	18 34	19 10	1
22044	MWC 29 HD 13661	2 08.1	54 04	"	"	"	-4.0	19 16	20 24	1
22045	MWC 114 HD 37115	5 31.0	-5 41	"	"	"	-4.0	20 37 ⁴²	21 16	2

Dome Temp
 Focus
 Dome Temp

Hour Angle
 End
 W 1.46
 W 3.20
 W 5.00

Dome Temp. +16 F

Transparency Conditions Clear

Focus 15.396

Dome Temp.

Feb 8 1953 Changed to 25" camera

12 1/2" was Focus 12.925 25" Focus 15.385
Filt 20.35 Filt 23.15

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 1 46	70 44	0	8.0	B42R	2-2-2	St 2 Be prog	good
W 3 20	54 18	0	8.6	B(6)2e	2-2-2	" 8 " "	good
W 5 0	-5 41	0	8.2	B5ne	2-2-2	" 5 " " turned by relay Dome turning button quit clouds - more	good

Date Sat-Sun Feb 12-13, 1955 Observer O - Pok Julian Day 2435 151
323 26 09.4 3638.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
22046	HD 30353	04 41.8	+43 06	J-25	E10350	.016	-11.7	22 45	23 13	4
22047	α Aur	05 09.3	+45 54	"	"	.008		23 20		3
	"	"	"							
	"	"	"							
	"	"	"						23 21	
22048	λ Aur	5 12.1	+40 01	"	"	"	-11.7	23 26	23 34	1
22049	56 Aur	6 39.5	+43 41	"	"	"		23 37	23 51	1
22050	β Gem	7 39.2	+28 16	"	"	"		23 55		2
	"	"	"					23 56		
	"	"	"					23 57	23 58	
22051	α CMi	7 34.1	+5 29	"	"	"		00 08		3
	"	"	"							
	"	"	"							
	"	"	"							
22052	405-711	6 57.2	+29 31				-12.0	00 15	00 35	4
22053	31 Hya	9 24.1	-2 19	"	"	"		00 38	00 44	7

Dome Temp. +8.0 F

Transparency Conditions Clouds until 10 PM

Focus 15.300

gradually clearing

Dome Temp. ...

151
36385

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 13	3 39W	+43 11	0	8.3	Gop	2-2-2	Set 5 - Bidelmann's Star	
				0.7	G0		" 1 1 ^s OLS	
							4 2	Two weeks
							7 4	
23 21	3 20W	—	0			—	10 8	
23 34	3 31W	+40 01	0	5.38	GoV	6-6	" 2 9 ^m OLS	good
23 5	2 19W	+43 36	0	5.8	GoV	6-6	" 8 OLS	good
			0	2.15	K0		" 1 10 ^s OLS	
						12 ^s	5 20 ^s	fine
23 58	1 28W	+28					" 9 40 ^s	
				0.74	F5		" 1 15 ^s OLS	
							4 25 ^s	two weeks
							7 45 ^s	
	01 45						10 8 ^s	
23 35	2 46W	+27 24		6.9	F8	6-6	" 2 OLS	lucky
	0 20W	-2 36	0	4.9	F5	6-	" 8 "	fine

Date cont. Observer O - W Julian Day 2435151
 O 323 26 09.4 3638-5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle End
22054	{ Gem	6 39.7	+13 00	J-25	F13a-0	008		00 49			
	"	"	"					00 50			2
	"	"	"					00 52	00 53		3 15
22055	HD 76943	8 54.2	+42 11	"	"	"	-11.8	01 01	01 02		
								01 02	01 04		
								01 04	01 08		2 34
22056	O UMa	9 26.2	+52 08	"	"	"		01 13			
	"							01 14			
	"							01 16			01 15
22057	{ HD 71148	08 20.7	+46 00	"	"	"	-12.0	01 24	01 34	4	01 15
22058	{ 20 LMi	09 55.3	+32 26				-12.0	02 01	02 13	4	01 15
22059	{ HD 89744	10 16.3	+41 44				-12.2	02 20	02 36	1	01 15
22060	{ 36 UMa	10 24.2	+56 30					02 40	02 44	1	01 17
22061	{ HD 85230	10 05.3	+49 58	"	"	"	-12.0	02 51	04 21	2	01 17
22062	{ HD 110833	10 39.2	+52 19				-12.0	04 27	05 27	2	01 17
22063	{ HD 126053	14 18.1	+14 3				-12.0	05 36	06 00		01 17

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			3.8	F5		set 1 40' - OLS	
21					12	5 80'	quantity load weak
01 55	12 55					9 200'	
01 02			4.38	F5		" 1 1" OLS	
01 03					12	5 2"	fine
01 23W	41 56	0				9 4"	
			3.8	F8		" 1 40' OLS	
					12	5 80'	fine
01 00W	51 53	0				9 160'	
02 42W	45 46	0	6.8	G0	4-4-4	2 OLS	fine
01 27W	32 06	0	6.0	G5V	4-4-4	8 "	fine
01 30W	41 25	0	6.2	F5	4-4-	2 "	fine
01 28W	56 12	0	5.33	F8V	12	8 "	fine
03 26W	49 40	0-1	7.7	d110	4-4-4	2 "	fine
02 00W	52 00	1	7.8	K3	4-4-4	8 "	fine
00 52W	1 26	1	6.8	G0	4-4-4	2 "	fine

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp. ° F

51
3395

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 00W	-01 58	1	54	G2W	12	alt 8 OLS	fine
00 55W	+17 08	1	54	K0W	6-6	1 OLS	fine
00 36W	+01 55	1	5.6	F812V	6-6	5 "	fine
					15/10	9	OK.

LPH. +8

	MC	SC	MTW	STW	S	SW	ME
Feb. 14	-26.1 ^s	(+3.6) ^s	-2.9 ^s	0 ^m	+6.6 ^s	+2.2 ^s	+3.8 ^s
16	-26.0 ^s	-3.6 ^s -0.2 ^s	+3.9 ^s	0 ^m	+10.0 ^s	+23.9 ^s	+8.9 ^s
18	-26.6 ^s	-2.2 ^s	+3.8 ^s	+1 ^m	+11.3 ^s	-17.3 ^s	-1.6 ^s
21	-23.7 ^s	-2.3 ^s	+0.2 ^s	-1 ^m	+13.8 ^s	+13.3 ^s	-0.9 ^s
23	-21.1 ^s	-1.2 ^s	-4.9 ^s	-1 ^m	+16.6 ^s	+35.6 ^s	-6.1 ^s

Date Wed-Thurs, Feb 23/24, 1955 Observer Box - H v Julian Day 243516²
 ☉ 334 32 01.9 3623.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22067	7 CMa	06 32.3	-19 10	I-25	E103-a0	set 608	-04	20 02	20 04	1
								20 05	20 09	
								20 09	20 17	
22068	40 50281	06 47.4	- 5 03	"	"	"	-04	20 26	21 20	2
22069	40 52711	06 57.2	+29 31	"	"	"	-04	21 27	21 45	2
22070	410 30353	04 41.8	+43 06	"	"	"	"	21 53	23 32	3
22071	13 UMa	09 01.6	+67 32	"	"	"	"	23 47	23 49	4
								23 49	23 53	
								-04	23 53	00 01
22072	16 UMa	09 06.4	+61 50	"	"	"	-0.7	00 08	00 18	1
22073	47 UMa	10 53.9	40 58	"	"	"	"	00 28	00 42	1
22074	57 Vir	13 10.5	-19 25	"	"	"	"	00 54	01 26	2
22075	69 Vir	13 22.1	-15 27	"	"	"	"	01 32	02 10	1
22076	70 Vir	13 23.5	+14 19	"	"	"	"	02 19	02 31	3
22077	H.D. 128139	14 31.7	-11 53	"	"	"	"	02 40	03 30	1

From *Box* *57.13.*

Dome Temp. +26°F

Transparency Conditions *Cloud earlier, clearing gradually*

Focus 15.442

Dome Temp.

2
516
3.0

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0	4.9	K1 IV		set 1 OLS	
					12	5	weak
0 23 E	-19 13					9	
0 24 W	-5 07	0	7.5	K4	4-4-4	1 OLS	weak
0 30 W	29 22	0	6.4	F8	4-4-4	9 "	good
0 42 W	43 11	0	8.3	G0 P	4-4-4	5 Bidelucate star	fine
		0	5.26	F7 IV		1 OLS	
					12	5	fine
0 50 W	67 17					9	
0 100 W	61 35	0	5.7	F8	4-4-4	2 OLS	good
0 0 19 E	40 38	0	5.6	G0 V	4-4-4	8 "	good
0 15 1 E	-19 42	0	6.0	K1 IV	4-4-4	2 "	good
0 1 19 E	-15 45	0	5.7	K1 III	4-4-4	8 "	fine
0 0 59 E	+14 01	0	5.69	G5 V	4-4-4	2 " 3 P.P. 1032-0 P.L. for Nordal	fine
0 10 8 E	-12 08	00	6.6	F8	4-4-4	8 " P. ... M.	fine
					15/10	5	ok red.

0300 some Haze
0330 fine Haze
0400 clearing

Dome Temp. +30
 Focus 15.452
 Dome Temp.

Transparency Conditions 1 haze + clouds

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
W 124	40 41	00	6.1	B2e	2-2-2	Be Prog. Set 2	good
W 245	30 28	0	7.5	Acep	2-2-2	" " " 8 clouds much of time	good
			3.0	B3e	6	" " set 1	fin
					6	" " " 5	fin
W 217	21 05	U			6	" " " 8	fin
W 25	-2 46	0	6.4	B2e	2-4	" " Set 2	fin
W 215	+5 09	0	6.8	B2e	2-2-2	" " " 8	good
			4.38	F5V		OLS " 1	fin
W 21 ^m					12	" 5	fin
						" 9	
0148W	+15 09	0	7.0	G5	4-4-4	OLS MC set SC 15/10 Feb. 25 -19.4 ^s -1.9 ^s -8.5 ^s -1 ^m +19.2 ^s -3.4 ^s -4.7 ^s OK	weak
						Set 2 Haze + Cloud after Midnite.	
						Feb. 28 -16.5 ^s -3.1 ^s -14.9 ^s -2 ^m +20.8 ^s +21.4 ^s +4.7 ^s	
						1.8H + 8	

Date Tue-Wed, Mar 1/2, 1955 Observer - Box Julian Day 2435168.

G 340 33 50.7 3611.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22085	ξ UMa	11 129	+32 06	I-25	E103-a-D	set .008	+20	01 47	01 51	1
								01 51	01 59	
								01 59	02 11	
22086	β Vir	11 455	+2 20	"	"	"	+20	02 16	02 20	2
								02 20	02 28	
								02 28	02 44	
22087	ε Vir	12 572	+11 30				+18	02 50	02 52	3
								02 53	02 57	
								02 57	03 05	
22088	69 Vir	13 221	-15 27				+18	03 13	03 29	4
22089	70 Vir	13 235	+14 19				+18	03 34	03 44	4
22090	τ Boo	13 425	+17 57				"	03 52	03 57	1
								03 54	03 58	
								03 58	04 06	
22091	o Boo Travels to τ-B	14 415	+17 23				"	04 12	04 20	2

Dome Temp. +30

Transparency Conditions cloudy earlier, still some haze & cloud

Focus 15.472

Dome Temp.

169.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	31 45	1	42	F9		net 1 OLS image.	
					6-6	5	fine
01 14 W						9	
	2 00	1	417	F8V		1 "	
					6-6	5	fine
01 15 W						9 more cloud	
	11 10	1	36	G9 III		1 "	strong
					12	5	
00 25 W						9	
00 24 W	-15 45	0	57	K11 II	4-4-4	2 " through clouds	weak
00 32 W	14 00	0	569	G5 V	4-4-4	8 "	fine
28	17 40	0	499	F7 V		1 "	
32					12	5	fine
00 40 W						9	
00 03 E	17 06	0	54	K0 III	6-6	2 " too much cloud	not
					15/10	8	OK

☉ Mar. 6 344 34 22.1 3602.7
 ☉ Mar. 7 345 234 24.8 3600.8

Date Sun Mar 6-7, 1955 Observer Hd Julian Day 2435173

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
22092	7 C Ma	06 32.3	-19 10	I-25	E10320	008		18 57	18 59 3	
								19 01	19 05	
								19 06	19 14	
22093	M42C 164 HD 52721	06 57.2	-11 09	"	"	"	-2.6	19 20	19 48	4
22094	HD 50281	06 47.4	-5 03	"	"	"	-2.7	19 53	20 47	1
22095	9 Pup	07 47.1	-13 38	"	"	"	-2.8	20 52	20 58	2
								20 58	21 12	
22096	I Hya	08 19.7	-3 26	"	"	"		21 17	21 25	3
								21 25	21 41	
							-2.7	21 25	21 41	
{ 22097	55 Cnc	08 46.6	+28 43	"	"	"	-2.9	21 46	22 08	4
{ 22098	HD 71148	08 20.7	+46 00	"	"	"	-2.8	22 15	22 39	4
{ 22099	81 Cnc	09 06.9	+15 24	"	"	"	-2.8	22 44	23 14	7
{ 22100	11 LMi	09 29.7	+36 16	"	"	"	-3.0	23 20	23 40	1

027
008

Dome Temp. +22 F

Transparency Conditions *Good*

Focus *15.405*

Dome Temp. *15.2*

573

Ending Time
EST.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			4.9	K1 IV		Set 2 OLS	<i>weak</i>
					12	" 5	
19 44	E 43 ^m -19 12	0					
19 48 4	E 34 ^m -11 15	0	6.6	B3e	4-4-4	Be Prog	<i>local</i>
20 07 1	N 35 ^m -5 07	0.1	7.5	K4	4-4-4	OLS	<i>weak</i>
20 58 2			5.8	G1 V	12	Set 2 OLS	<i>fine</i>
21 00	00 -13 48	1				" 8	
21 55 3		1	6.0	F5	12	" 2 OLS	
	E 03 ^m -3 37	1				" 8	<i>fine</i>
22 00 4	E 03 ^m 28 29	1	6.8	K0	4-4-4	" 2 OLS MC SC MTW STW S	
22 09 4	N 53 ^m 45 46	1	6.8	G0	4-4-4	" 8 OLS Mar. 2 -15.0 -3.5 -19.9 -.3 ^m +23.4	<i>fine</i>
22 10 1	N 43 ^m 15 09	1	7.0	G5	4-4-4	" 2 OLS 4 -21.1 -3.1 -21.2 -.3 ^m +26.0	<i>weak</i>
23 40 1	35 59	1	6.22	G8 II	4-8	" 8 OLS <i>very windy - haze</i> <i>clear after midnite</i>	<i>good</i>

SW ME
-11.7 -1.1
+9.5
+26.0 +6.6

☉ Mar 7 345 34 24.8 3600.8
 ☉ Mar 8 346 34 25.6 3598.8

Date 1955 Mar 7-8 Ann-Inc Observer MP-0 Julian Day 2435174.

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22101	κ Cet	03 14.1	+3 00	I-25	103c-0	^{set} 008	-7.3	18 53 30	18 57 30	1
22102	γ Tau	4 14.1	+15 23	"	"	"		18 58	19 06	
	"	"	"					19 07 10	19 09 10	
	"	"	"					19 15 30	19 22 00	2
								19 22 20	19 25 20	
								19 25 21		
22103	δ Tau	4 17.2	+17 18	"	"	"	"	19 29 30	19 35 20	3
								19 35 20	19 37 20	
								19 38 35	19 40 05	
22104	ϵ Tau	4 22.8	+18 58	"	"	"	"	19 42 35	19 48 35	4
								19 48 40	19 52 40	
								19 52 40	19 54 10	
22105	ζ Tau	6 32.3	-19 10	"	"	"	"	19 59 10	20 01 10	1
								20 10 45	20 15 50	

600 S
598 S

Dome Temp. +14

Transparency Conditions

Focus 15.352

Dome Temp.

Ending Time
E.S.T.
P.
11:30
11:40
11:50
12:00
12:10
12:20
12:30
12:40
12:50
13:00
13:10
13:20
13:30
13:40
13:50
14:00
14:10
14:20
14:30
14:40
14:50
15:00
15:10
15:20
15:30
15:40
15:50
16:00

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
-	-	2	5.50	GJV	-	set 1 4 ^h OLS	fine
			4.60	KO	12 ^t	set 5 8 ^m	
					-	set 9 2 ^m	fine
		2			-	set 1 6 OLS	
					12	set 5 3	
+1 50					-	set 9 + 1 1/2	
	+17° 25'	2	4.71	KO	12 ^t	1 6 OLS	fine
					12	5 3	
						9 1 1/2	
			4.58	KO	12	1 6 MC OLS SC	MTW STW S SW ME
					12	Mar 57 3-10.3 -32.4 -22.2 -6 ^m +1.5 +21.3 +4.5	fine
						" 9 1 1/2	
		0	4.9	KITL	6-6	" 1 10 OLS	
					12	5	fine

Date

cont

Observer

Julian Day 2435174

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
22106	104 Jan	5 1.5	+18 30	I-25	103a-0	008	-7.4	20 18 45	20 32 45	2
22107	111 Jan	5 18.6	+17 17	"	"	"	"	20 38 15	20 47 15	2
22108	X' Ori	5 48.5	+20 16	"	"	"	"	20 54 50	21 03 20	3
								21 03 30	21 08 30	"
22109	56 Aur	6 39.5	+43 41	"	"	"	"	21 12 20	21 24 20	4
22110	§ Egem	6 39.7	+13 00	"	"	"	-7.7	21 28 08	21 29 08	1
								21 29 25	21 31 25	2
								21 31 40	21 35 50	
22111	HD 52711	6 57.2	+29 3	"	"	"	"	21 38 10	21 57 10	
22112	§ Egem	7 39.2	+18 16	"	"	"		22 12	-	
								-	22 13	
								22 13 40	22 14 40	
								22 15 35	22 17 35	
22113	6 UMa	9 26.2	+52 08	"	"	"	"	22 23 20	22 34 20	
								22 24 35	22 26 35	
								22 27 35		

3596.8

340

Dome Temp.....

Transparency Conditions *good*.....

Focus.....

Dome Temp.....

174

Reading Time
E.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
-	+18 34	1-2	5.6	54I 6	6	set 2 OLS	fine
2 07 W	+17 18		5.6	18I 6+6	6+6	set 8	fine
	+20 13	2	4.9	FS 6-6	6-6	set 2 OLS 8"	ok
					6-6	set 8 4"+1	
1 22 W	+43 36		5.8	90I 6-6	6-6	set 2 OLS 12	fine
	+12 53	1	3.8	FS -	-	set 1 1 OLS	
					12	5 2	fine
					-	9 4	
1 40 W	+29 23	2	6.4	158I 6-6	6-6	set 20 OLS	fine
	+28 06		2.15	10I -	-	" 0 15 OLS	
					12	3 30"	ok
					-	6 1"	
					-	9 2"	
	+51 51	2	3.8	FS 6	-	set 1 1 OLS	ok
					12	5 2	
					-	9 4	

*5 spots
bad*

Date *cont* Observer *MIL - H* Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22114	13 UMa	9 1.6	-67 32	825	10320	008		22 37 00	22 43 00	
								22 43	22 53	
								22 55 W	22 57 30	
22115	HD 82210	9 25.6	+70 16	"	"	"		23 04 35	23 06 35	4
								23 07 00	23 11 30	
								23 11 30	23 19 45	
22116	16 UMa	9 6.4	+61 50	"	"	"		23 23 40	23 29 30	
								23 29	23 39	
22117	11 LMi	9 29.7	+36 16	"	"	"	-7.5	23 44	23 50	
22118	20 LMi	9 55.3	+32 26	"	"	"	"	00 02	00 16	
								00 18	00 40	
22119	57 Vir	13 10.5	-19 25	"	"	"	-7.2	00 54	01 26	1
22120	69 Vir	13 22.1	-15 27	"	"	"	-7.3	01 33	02 03	"
22121	H.D. 131511	14 48.9	+19 34	"	"	"	-7.5	02 13	03 15	2
22122	14 Herc	16 07.1	+44 35	"	"	"	-7.2	03 24	05 14	

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		3	5.26	F7 IV-V	-	set 2 OLS 571	
					6-6	8 10	
					-	5 2 1/2	fine
			5.2	G5 IV	-	set 1 OLS 2	
					6-6	5 4	fine
					-	9 8	
			5.7	F8	12	set 1 OLS 5	fine
					12	8 10	
			6.22	G8, IV	6-6	set 2 OLS 16	strong
0100W	32 06	2	6.0	G5 I	6-6	set 8 OLS 74 Slide not shown	strong
0124W					6-6	" " Image Very Unsteady	
0104E	-19 43	0	6.0	K1 IV	4-4-4	" 2 "	fine
0038E	-15 45	0	5.7	K1 III	4-8	" 8 "	fine
0053E	+19 18	0-1	6.8	K1 V	4-4-4	" 2 "	strong
0011E	43 55	0	7.5	K1 IV	4-4-4	" 8 "	strong

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0059E	-0104	0	5.6	$\frac{68}{12-2}$	4-4-4	Set 2 2 PH. Plates Needed. H.M.	Library
					$\frac{15}{10}$		
						Garry - HP suggested that more plates should be used.	
						MC SC MTW STW S SW ME	
						Mar. 9 -14 ^s -22.9 ^s -23.1 ^s -4 ^m +12.6 ^s +10.2 ^s +02:05.1 ^m	

Dome Temp. +30°F

Transparency Conditions

Focus 15.490

Dome Temp.

Clouds all evening

Ending Time
E.S.T. Hour Angle End Declination Seeing Ptg. Mag. Sp. Comp. REMARKS Quality

4 0 05W 23 19 0 6.2 F5 44-4 *Set 2* OLS clouds toward end *weak*

4 0 045W 41 26 0 6.2 F5 44-4 *Set 8* " " *2345 Clouds & haze weak*

15/10 " 5

3 P.H. +10

Hon. H.

2 Phase calls about bright light in southern sky

	MC	SC	MTW	STW	S	SW	ME
Mar. 11	-7.8	-6.9	-28.1	-7m	+31.0	+23.0	+6.6

Mar. 14 @ 352 33 51.1 3598.1

Date *Sun Mar. 13-14/55* Observer *L.* Julian Day *2435180.*

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	
22126	H.D. 37394	05 33.2	53 26	I-25	E-103A ₀	set .008	0.0	19 20	20 00	3	
22127	" 43587	06 11.9	+05 08	"	"	"	0.0	20 05	20 25	3	
22128	ξ Gem.	06 39.7	13 00	"	"	"	0.0	20 31 ²⁰	20 32 ⁰⁰	1	
"				"	"	0.0	20 33 ⁰⁰	20 34 ²⁰	1		
"				"	"	0.0	20 35 ⁰⁰	20 37 ²⁰	1		
22129	81 Enc	09 06.9	15 24	"	"	"	0.0	20 43	21 23	2	
22130	H.D. 82210	09 25.6	70 16	"	"	"	-0.1	21 46 ³⁰	21 49	3	
"				"	"	-0.1	21 49 ³⁰	21 54 ³⁰	3		
"				"	"	-0.1	21 55 ⁰⁰	22 05 ⁰⁰	3		
22131	36 U Ma	10 24.2	56 30	"	"	"	-0.1	22 13 ⁰⁰	22 15 ³⁰	4	
"				"	"	-0.1	22 17 ⁰⁰	22 22 ⁰⁰	4		
"				"	"	-0.1	22 22 ³⁰	22 32 ³⁰	4		
22132	H.D. 101177	11 33.5	45 40	"	"	"	-0.1	22 40	23 10	2	
22133	ξ U Ma	11 12.9	32 06	"	"	"	-0.1	23 20 ⁰⁰	23 20 ⁵⁰	1	
"				"	"	"	"	"	23 21 ²⁰	23 23 ⁰⁰	1
"				"	"	"	"	"	"	23 25 ⁰⁰	23 28 ²⁰

Dome Temp. +27°F

Transparency Conditions

Focus 15.465

Dome Temp.

180.

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 00	1 28W	53 27	0	7.0	Ko	4-4-4	Set 2 0.4.5. 41	weak
20 25	1 16W	05 08	0	6.3	Go	4-4-4	" 8	good
20 32		12 57	0	3.8	F5		Set 1	
20 34						12	" 5	fine
20 37							" 9	
21 23	0 41E	15 10	0	7.0	G5	4-4-4	Set 2	weak
21 47		70 01	1	5.2	G5V		Set 1	fine
21 54						12	Set 5	
21 57	0 20E						Set 10	
22 15		56 11	1	5.33	F8V		Set 1	fine
22 22						12	Set 5	
22 33	0 49 E						Set 3	
22 50	1 20E	45 19	1	7.0	Go	4-4-4	Set 18	fine
23 15		31 45	1-0	4.2	F9		Set 1	
23 17						12	Set 5	fine
23 27	0 42 E						Set 9	

Dome Temp. 22°F

Transparency Conditions.....

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
004E	40 39	1.0	5.6	G0	4-4-4	Set 2 OLS	fine
0127E	-19 40	0	6.0	K. IV	4-4-4	Set 8 "	fine
			4.17	F ₈ V	-	" 1	fine
					12	5	
0017W	+02 00	0			-	9	
0109E	-51 13	0	7.7	K0	4-4-4	" 2	fine
0053E	+02 39	0	6.6	G5	4-4-4	" 8 <u>0300</u> Some haze	fine
0043W	+13 37	0	7.4	G9	4-4-4	" 2	fine
					15/10	" 2	OK
						1 PH. + 2	
						H. M.	
						ME SC MTW srw S SW ME	
						Mar. 14 -5 ^s 4 -8 ^s 1 -30 ^s 5 -6 ^m +32 ^s 9 -6 ^s 9 +7 ^s 5	

Date ¹⁹⁵⁵ ~~Mar 14-15~~ ~~Mar 14-15~~ Observer ~~MR - Hr~~ Julian Day ~~2435181~~

353 33 39.2 3586.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22140	σ Leo	10 14.5	+20 21	I-X	103a-d	008	-0.7	23 51	-	3
	"	"	"	"	"	"	"	-	-	
	"	"	"	"	"	"	"	-	23 57	
22141	16 Vir	12 15.3	+0 35.2	"	"	"	-0.4	00 25	00 55	4
<i>From Tent 0.9.13</i>										

Dome Temp. 28°F

Focus 15.437

Dome Temp.

Transparency Conditions *hazy & clouds clearing late*

352

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
0:50 W	+20 03	0	3.66	K0 II	-	St 1 1/2 OLS	Forgotten																								
		"	"	"	12	5 1	too much																								
		"	"	"	-	9 2	good																								
0:12 E	+03 33	00	6.15	K0 III	4-4-4 15/10	0030 Haze + Cloud	Weak																								
1 P.H. + 12																															
H.M.																															
<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td>Mar. 16</td> <td>-3.9^s</td> <td>-9.2^s</td> <td>-31.1^s</td> <td>-.6^m</td> <td>+34.7^s</td> <td>+11.7^s</td> <td>+8.7^s</td> </tr> <tr> <td>18</td> <td>-2.7^s</td> <td>-9.9^s</td> <td>-29.9^s</td> <td>-.6^m</td> <td>+35.9^s</td> <td>-27.0^s</td> <td>+4.5^s</td> </tr> </table>								MC	SC	MTW	STW	S	SW	ME	Mar. 16	-3.9 ^s	-9.2 ^s	-31.1 ^s	-.6 ^m	+34.7 ^s	+11.7 ^s	+8.7 ^s	18	-2.7 ^s	-9.9 ^s	-29.9 ^s	-.6 ^m	+35.9 ^s	-27.0 ^s	+4.5 ^s	
	MC	SC	MTW	STW	S	SW	ME																								
Mar. 16	-3.9 ^s	-9.2 ^s	-31.1 ^s	-.6 ^m	+34.7 ^s	+11.7 ^s	+8.7 ^s																								
18	-2.7 ^s	-9.9 ^s	-29.9 ^s	-.6 ^m	+35.9 ^s	-27.0 ^s	+4.5 ^s																								

Home Temp. 24°F
 Focus 15.426
 Home Temp. 21.1

Transparency Conditions

Cloudy & r windy unless

5185
5194

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 51	W 19	15 10	0	7.0	G5	4-4-4	2x2 OLS	fine
23 52		23 19	0	6.2	F5	4-4	" 2	
23 53	W 51"					4-4-4	" 8	fine
23 55		41 25	0	6.2	F5	4-4-4	" 2	
23 56	W 22.5"		0-1	"	"	4-4-4	" 8	fine
01 00	0 10 W	17 59	0-1	6.99	A0	4-4-4	" 2 S. pp 8" x 8"	fine
01 01	0 17 W	12 36	0	6.93	A0	4-4-4	" 8	fine
01 02	0 35 W	11 26	0	7.9	F5	4-4-4	" 2 North Pencil	fine
01 03	0 02 E	+01 55	00	5.60	F8 IV	4-4-4	" 2 OLS	disturb
01 04	0 09 W	+02 39	0	6.6	G5	4-4-4	" 8	disturb
01 05	0 51 W	13 39	00	7.4	G9	4-4-4	" 2	good
						15/10	" 8	OK.

2 P.H. + W
 How 11-

Sat - Sun.

Date 1955 Mar 19-20 ~~Ann. Inc.~~ Observer MR - Pape

Julian Day 2435186

358 32 13.6 35717

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Angle End
22151	7 C Ma	6 ^h 32.3 ^m	-19° 10'	I-25	103ud	008	-0.5C	19 ^h 23 ^m 30 ^s	19 ^h 33 ^m 30 ^s	4	-
	"	"	"	"	"	"	"	19 34 00	19 39 00	"	0 34 W
22152	1 K Gt	3 14.1	+3 00	"	"	"	"	19 45	19 52	"	11 04 W
22153	HD 37394	5 33.2	+53 26	"	"	"	-0.5	20 04	20 45	1	2 37 W
22154	X Ori	5 48.5	+20 16	"	"	"	"	20 50	20 53	1	-
	"	"	"	"	"	"	"	20 53 15	20 59 15	"	2 37 W
22155	Praesepe 428	8 36.1	+20 14	"	"	"	-0.4	21 08	22 22	2	1 12 W
22156	" 212	8 34.1	+19 54	"	"	"	-0.5	22 26	23 14	"	2 06 W
22157	δ Leo	10 14.5	+20 21	"	"	"	"	22 ³ 30 45	22 ³ 31 45	-	-
	"	"	"	"	"	"	"	22 ³ 31 45	22 ³ 32 45	-	-
	"	"	"	"	"	"	"	22 ³ 33 10	23 35 10	-	0 41 W
22158	16 Vir	12 15.3	+3 52	"	"	"	-0.4	23 49 20	00 00 20	4	1 36 W
22159	θ Boo	14 21.8	+52 19	"	"	"	"	00 21	00 23	-	-
"	"	"	"	"	"	"	"	00 24	00 28	-	-
22160	ο Boo	14 40.5	+17 03	"	"	"	"	00 48	00 56	1	2 05 W
22161	HD 136064	15 13.5	+67 44	"	"	"	"	01 10	01 22	1	2 05 W

Dome Temp. 25°F

Transparency Conditions *gwd*

Focus 15.438

Dome Temp.

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	-	-	0	4.9	K1 IV	12	set 1 10 ^m OLS	
0:34 W		-19° 14'	"	"	"	12	set 5 5 ^m	<i>fin</i>
4:04 W			0	5.50	G5 V	12	set 9 6 ^m OLS	<i>weak</i>
2:37 W		+53 28	1-2	7.0	K0	4-4-	set 1 40 ^m OLS	<i>fin</i>
	-	-	2	4.9	F8	-	set 5 3 OLS	<i>fin</i>
2:37 W		+20 15	"	"	"	12	set 9 6	
1:12 W		+20 00	"	7.86	K0 III	44-4	set 1 Prosepe Clark	<i>fin</i>
2:06 W		+19 40	"	7.55	K0 IV	44-4	set 6 " "	<i>fin</i>
	-	-	2	3.68	K0 II	-	set 1 1/2 OLS DBI star?	
	-	-	"	"	"	-	1	<i>fin</i>
0:48 W		+20 02	"	"	"	12	2	
0:48 E		+3 33	"	6.15	K0 III	6-6	set 1 OLS	<i>fin</i>
			3	4.56	F5		5 "	<i>strong</i>
2 25 E		52 02	3			12	9 "	
2 17 E		17 08	3	5.4	K0 III	6-6	2 "	<i>strong</i>
2 22 E		67 29	2	5.6	F0 II	6-6	5 "	<i>strong</i>

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp... +26°F

196

Reading Time
K.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
01 58E	30 25	2	56	G0	6-6	part 2 SLS	A sector of the local; had to lower telescope & fix it.	
01 38E	1 58	1	5.1 560	AS FSII-V	4-4-4	8	Originally wrong star. Correct star is indicated	
		2	445	G8II		1		
		2			12	5		
01 04E	33 29	2				9		
00 34W	-1 15	1	77	K0	4-4-4	2	clouds	
00 47W	-2 05	1	84	K0	4-4-4	8		
00 07E	0 45	0	63	30	4-4-4	1	From second equinox	
00 48E	16 45	0	5.72	K0IIII	6-	5		
					15/10	9		
4 PH = 4								
MC SC MTW STW S SW ME								
Mar. 21								
-0.1 -11.2 -26.2 -5 ^m +36.9 +2.5 +10.7								
23								
+2.1 -11.5 -25.1 -5 ^m +38.3 +21.3 +0.8								
+28 -121 -24.1 -6 ^m +39.8 -182 +29								

very strong
very strong
strong
fine
fine
fine
fine
OK.

Date Wed Mar 23-24, 1955 Observer Hfd - Julian Day 2435190.
 ☉ 2 30 33.0 3570.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.							
22169	39 Tau	03 59.4	+21 44	I-25	E103a0	008	+0.5	19 38	20 08	2							
22170	104 Tau	05 01.5	+18 30	"	"	"	+0.6	20 13	20 21	2							
		"	"	"	"	"		20 21	20 37								
22171	HD 39881	05 50.3	+13 56	"	"	"	+0.5	20 41	21 23	3							
22172	α Cmi	07 34.1	+5 29	"	"	"		21 27 00	21 27 10								
														21 27 30	21 27 50		
															21 28 00	21 28 40	
														+0.5	21 29	21 30	

Dome Temp. +
 Focus 15"
 Dome Temp.

Hour Angle
 End

350

317

312

118

Dome Temp. +32
 Focus... 15.450
 Dome Temp.....

Transparency Conditions Poor - patches of cloud

Found dome unchained and about 4 ft east of normal position. Extremely high wind last night.

190.
3570.0

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 08 2	W 3 50	21 54	0-1	6.6	G5	4-4-4	set 1 OLS	fine
20 21 2		18 35	1	5.6	G4V		" 6 OLS	fine
20 37	W 3 17					4-4-4	" 9	
20 42 3	W 3 12	13 55	0	7.0	G5	4-4-4	" 1 OLS check field clouds 21 20	weak
20 50							" 4 OLS. just for fun	fine
20 55							" 6 - pretty cloudy.	
20 59						10	" 8	
21 30	W 1 38	+5 20					" 10	

	MC	SC	MTW	STW	S	SW	ME
Mar. 25	+2.8 ^S	-12.1 ^S	-24.1 ^S	-6 ^m	+39.8	-18.2	+2.9 ^S
29	+6.2 ^S	-17.0 ^S	-19.1 ^S	-5 ^m	+39.9	-47.0	17.3 ^S

Date Tues Mar 29/30 1955 Observer L - Box Julian Day 2435196
 0 09 26 59.8 3556.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
22173	L Aur	05 09.3	45 54	I-25	E-103A ₀	set 008	+0.8	Exposures 1 2 4	seen at 19.50	4	
22174	HD. 38230	05 322	37 16	"	"	"	+0.8	20 05	21 15	1	3 45
22175	Franga 253	08 34.3	20 22	"	"	"	+0.8	21 20	22 08	2	1 31
22176	" 283	08 34.6	20 02	"	"	"	+0.8	22 11	23 11	2	2 42
22177	15 Com	12 22.0	28 49	"	"	"	+0.8	23 17	23 23	1	0 52
22178	69 Vir	13 22.1	-15 27	"	"	"	+0.8	23 39	23 54	2	1 15
22179	57 Vir	13 10.6	-19 25	"	"	"	+1.0	00 05	00 33	2	0 05
22180	A06 2470	12 09.1	+33 20	"	"	"	"	00 41	01 51	3	1 14
22181	A05 2735	12 55.7	+18 55	"	"	"	+0.8	01 56	02 14	2	0 45
22182	2 Vir	14 14.4	-1 48	"	"	"	"	02 21	02 25	4	0 22
22182	3 Com	12 56.1	+67 08	"	"	"	"	02 45	03 01	4	2 12
22184	AD. 4520	15 05.9	+62 30	"	"	"	"	03 09	03 51	1	0 52
22185	A05 9982	16 08.5	+42 38	"	"	"	"	03 59	04 45		0 15

Dome Temp. +34°F
 Focus 15.457
 Dome Temp.

Transparency Conditions *Good with moderately strong wind, telescope jumping.*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		1	0.7	G0		Set 1 OLS	
					12	" 5	weak
						" 9	
3 40W	37 15	1	8.1	K _I	4-4-4	Set 2 OLS	weak
1 39W	20 08	1	7.37	Ko _{III}	4-4-4	Set 2 Praesep cluster	fine
2 42W	19 48	1	7.46	Ko _{III}	4-4-4	Set 8 " "	fine
0 52E	28 23	1	5.39	K _{I, III}	6-6	Set 8 OLS	fine
1 21E	-15 45	0	5.7	K _{I, III}	6-6	Set 2 OLS	fine
0 31E	-19 47	0	6.0	K _{I, IV}	4-4-4	8 " Supl. Check precession in dec	fine
1 49W	33 02	1	7.71	K0	4-4-4	2 Vis. Prin.	fine
1 25W	18 33	1	6.49	F5	4-4-4	8 "	fine
0 28W	-2 08	1	6.0	SS _{II}	6-6	2 OLS, nupt	fine
2 13W	66 46	1	6.14	SS _{III}	6-6	8 " quieting	fine
0 54W	63 15	2	7.20	F2	4-4-4	2 Vis. Prin.	not very fine
0 45W	42 25	2	7.30	K5	4-4-4	2 " "	fine

over

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
				382	K2M		set 1 CLS	
						12	5	fair
	01 33W	6 32	1				9	
				4.33	F6V	12	1 CLS	
	01 32W	15 45	1				5	strong
						15/10	9	OK
							3741. Rate needed	

Dome Temp. 35°F

Transparency Conditions Very good

Focus 15.522

Dome Temp.

0210 Aurora

5197
3520
Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			07	G0		pet 1 OLS	strong
		0				5	
					12	9	
03 00W	13 54	0	7.0	G5	4-4-4	2 OLS "No Fou" (Optical)	fine
03 01W	5 06	0	6.3	G0	4-4-4	8	fine
03 47W	10 40	0	7.0	G5	4-4-4	2 "	fine
04 25W	35 23	1	6.7	B0	4-4-4	8	fine
03 00W	19 45	0	7.25		4-4-4	2 Praesep	strong
03 54W	19 23	0	6.94		4-4-4	2 " See slow motion video	strong
01 04W	40 54	1-2	7.01	K5	4-4-4	" 2 V.B. Prog.	strong
02 26W	38 06	1	7.63	K0	4-4-4	" 8 " "	strong
02 48W	34 56	0	7.95	K0	4-4-4	" 2 " "	fine
00 32W	25 48	1	7.05	K0	4-4-4	" 8 " "	fine
					15/10	" 5	
						H-FL	
						1.P.H.#8	

Apr?

Date *Jans Mar 31 May 1/55* Observer *L. H. v.* Julian Day *2435198*
 ☉ 10 25 30.3 3551.8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
22199	H.D. 38230	05 39.2	37 16	I-25	E-103A ₀	Set 008	+9.9	19 45	21 35	2	4 09 W
22200	Præsepe 204	08 34.0	20 08	"	"	"	+9.8	21 39	22 15	2	1 54 W
22201	" 265	08 34.4	20 20	"	"	"	+9.8	22 19	22 45	3	2 24 W
22202	" 284	08 34.6	19 42	"	"	"	+9.8	22 48	23 30	3	3 02 W
x 22203	A.D.S. 9539	15 07.5	48 57	"	"	"	10.0	00 38	02 18	4	10 35 E
22204	H.D. 157881	17 20.8	102 14	"	"	"	10.0	02 32	05 12	1	11 37 W
<i>Jans. Tent O.F.B.</i>											

Dome Temp. +45°F

Transparency Conditions *Some haze*

Focus..... 15.372

Dome Temp.....

198
3551.8

Ending Time
L.M.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4	09W	37 15	0-1	8.1	K1	4-4-4	Set 2 OLS	good
1	54W	19 55	0-1	6.92		4-4-4	Set 3 Praesepe Cluster	good
2	24W	20 07	0-1	6.62		4-4-4	Set 2 " "	for
3	09W	19 28	0-1	7.04		4-4-4	Set 8 " "	good
00	35E	48 42	1	8.06	K0	4-4-4	" 2 V.B.	good
00	07W	+02 09	1	8.90	K7V	4-4-4	" 3 OLS.	good
						15/10	" 8	OK
							H.M.	
							I.P.H. +4	
							MC SC MTW STW S SW HE	
							Mar. 31 +8.7 ^S -15.7 ^S -20.1 ^S -5 ^m +42.0 ^S -25.1 ^S +2.5 ^S	
							Apr. 1 +9.8 ^S -16.6 ^S -20.4 ^S -3 ^m +40.9 ^S -16.4 ^S +0.1 ^S	
							Apr. 4 +12.4 ^S -17.3 ^S -29.9 ^S -7 ^m +42.7 ^S +15.6 ^S +0.5 ^S	

Dome Temp.....
 Focus 15.582
 Dome Temp.....

Transparency Conditions *cl. haze in S.W.*

Delay opening due to blown focus

Ending Time
 R.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 13	43 14	+32 46	1	6.50	A0	6-6	set 5 N Bin	fin
21 17	-	-	1	7.86	K0 III	4-4-4	set 2 Praesepe cluster	fin
21 27	-	+19 43	1-2	7.55	K0 III	4-4-4	set 8 " "	fin
22 07	-	+19 43	1	6.47	-	4-4	set 2 " "	fin
-	-	+20 03	1	3.66	K0 II	-	set 1 OLS 1/2" Dbl star	fin
-	-	"	"			12	5 1 1/2"	fin
21 30	-	"	"			-	7 1"	fin
22 01	00 13 E	+28 30	0-2	5.37	K1 II II	6-6	set 8 OLS Suph	fin
00 07	00 04 W	66 48	0-1	6.14	G8 III	4-4-4	" 2 " "	fin
00 08	00 27 E	-02 04	0	6.10	G0 III	4-4-4	" 8 " "	fin
						15/10	" 5 "	

Hon M.
 4 P.H. + 8

MC SC MTW STW S SW ME
 Apr. 7 +14.9 -18.8 -37.2 -8m +44.0 -17.7 +5.2

Date Thurs-Fri Apr 7/8 1955 Observer Bok-Hr Julian Day 2435205
 @ 17 29 056 3536.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
22213	HD 39881	05 50.3	+13 56	I-25	E103-a-0	211 068	+1.2	19 43	20 35	1
22214	66 Aur	07 17.2	+40 52	"	"	"	+1.0	20 42	21 08	1
22215	Procs. 328	08 35.0	+20 04	"	"	"	"	21 17	22 17	2
22216	Procs. 348	08 35.2	+19 56	"	"	"	"	22 20	23 20	2
22217	ADS 8470	12 09.1	+33 20	"	"	"	"	23 28	01 28	3
	Focus Test		0.9/13							

Dome Temp. 32°F

Transparency Conditions good

372

Focus 15460

Dome Temp. 36.6

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03	26W	13 55	0	70	G5	4-4-4	ref 2 OLS	fin
02	31W	40 45	0	633	Ko III	4-4-4	8 " mppf.	fin
02	23W	19 50	0	705		4-4-4	2 Incessant	fin
03	26W	19 42	0	695		4-4-4	8 " - fine cloud	fin
02	02W	33 00	0	771	KO	4-4-4	2 Ws. Pave. 0040 Cloud. 0115 " "	fin
						15/10	" 8	OK
1 P.H. + 8. Hon M.								
Phone call from Observer Bright light in Western Sky 0130 Size of Moon Flaring Rapidly								

785
622
371

Dome Temp. $+53^{\circ}$

Transparency Conditions

Focus 15.642

Vision conservatively estimated at 200

Dome Temp. 27.2242

Showed 7 in 74" + 4 RASCals.

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
03 50W	19 48	2-	7.46	K0 III	4-4-4	Set 2 Praes. cluster 5 1/2 OLS Patched faded	good fine	
02 20W	20 04	2			12	9 "	Image very unsteady Midnight. pretty heavy increasing cloudiness	fine
01 18W	40 54	1	701	K5	4-4-4	2 " Boie	fine	
01 25W	26 05	1	520	F5	6-6	5 1/2 "	fine	
						9 "		
	30 33	1	492	K3		1 "	cloud gone	fine
					12	5		fine
00 06E						9		
00 58W	11 31	0	808	K2	4-4-4	2 "	X } Supposed	
00 17W	13 11	1	710	G5	4-4-4	5 1/2 "	X }	
					15/10	9		
							4 PH plates used	

Dome Temp. +63°F

Transparency Conditions *Clear*

Focus 15.689

Dome Temp.

208.
36309

Reading Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 45W	+5 05	1	6.3	G0	4-4-4	Set 2 OLS	<i>fine</i>
1 26W		1	074	F5	12	" 8 3 ^s OLS	<i>fine</i>
			"	"		1 6 ^s OLS	
			"	"	12 ^s	5 12 ^s	<i>fine</i>
1 32W	+5 18		"	"		9 24 ^s	
			4.35	K0	-	" 1 1 1/2 ^m OLS Supp.	
			"		12 ^s	5 3 ^m	<i>lately</i>
0 37W			"		-	9 6 ^m	
1 37W	+19 45	2	7.25		4-4-4	" 2 <i>Persepe.</i>	<i>fine</i>
2 10W	+19 23	1	694		4-4-4	" 8 "	<i>fine</i>
2 42W	+19 55	1-2	692		4-4-4	" 2 "	<i>fine</i>
3 29W	+20 07	1-2	6.62		4-4-4	" 8 "	<i>fine</i>
04 32W	+19 29	1-2	704		4-4-4	" 2 "	<i>fine</i>
02 07E	-11 17	1	5.2	F8	4-4-4	" 2 OLS. Haze + Smoke??	<i>fine</i>
					15/10	" 2 1 PA + 8 H.M.	<i>fine</i>
						2130 <i>Very Murky!</i>	<i>fine</i>

Saturday, April 16: 5^h work; lecture given & telescope demonstrated - Hd. BR

Date Sun-Mon April 17-18, 1955 Observer O - Hr Julian Day 2435215.

⊙ 27 07 09.8 3516.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.	Hour Angle End
22236	HD 84059	9 37.4	+45 11	2-12	F123a-0	008	+12.9	19 45	20 11	4	0 55 E
22237	BD +45° 1758	9 38.7	+45 24	"	"	016	+12.9	20 14	22 24	4	2 07 W
22238	HD 92124	10 33.1	+45 22	"	"	"	+12.9	22 30	00 30	1	3 19 W
22239	" 132046	14 52.0	45 18	"	"	"	"	02 21	03 41	1	3 13 W
22240	" 142592	15 50.3	45 15	"	"	"	12.8	03 52	04 44	2	3 10 W
From List 09B											

Dome Temp. +54°F

Transparency Conditions *Clear*

Focus 12.920

Dome Temp.

*On April 11 changed to 12 1/2" camera 25" was still 15.689
12 1/2" still 20.35*

15.
8 3516-9

Ending Time
E.S.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 11	0 05 E	+44 54	1	7.50	A8	2-2-2	Set 2 ... K-AFS Hino 304	fine
22 24	2 07 W	+45 08	1	9.99	G2	1-1-1	" 8 ... 11 +307	fine
00 30	0 3 19 W	+45 00	1	9.76	K5	1-1-1	" 2 " " 312 <i>Intercepted 4 1/2 W.</i>	fine
03 11	0 2 13 W	45 03	0	9.13	F0	1-1-1	" 8 " " <i>0045 Had to run back Dec. 5 motion</i>	fine
04 17	0 2 18 W	45 03	0	9.25	A2	1-2	" 2 " " <i>Trouble with Dec Motion</i>	stormy
						4/3	" 3 H. M.	OK
							2 P.H. + 4	

Clears Euck on time 1^m slow

	MC	SC	MTW	STW	S	SW	ME
Apr. 11	-0.6 ^S	-2.0 ^S	-39.5 ^S	-1 ^m	-12.1 ^S	-35.1 ^S	+7.9 ^S
13	+2.7 ^S	-0.7 ^S	-36.3 ^S	-9 ^m	-10.6 ^S	-15.9 ^S	+2.9 ^S
15	+2.9 ^S	-0.8 ^S	-32.2 ^S	-8 ^m	-10.6 ^S	+2.1 ^S	+1.0 ^S
18	+6.0 ^S	0	-35.1	-9 ^m	-6.2 ^S	+28.1	-16.2

Dome Temp. 46°F

Transparency Conditions

Focus 12.920

Dome Temp.

Sat. April 23 about 200 visitors N.L. showed Jupiter with 74" telescope, some haze, cloudy then clearing.

221.
35078

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 32W	45 02	0	9.17	G5	2 1-1	Set 2 KAFS More clouds. 1 P.H. look + 2	from
						MC SC MTW STW S SW ME	
						Apr. 25 +8.5 ^s -4.9 ^s -21.5 ^s -9 ^m -6.8 ^s -13.0 ^s -19.6 ^s	
						28 +11.1 ^s -6.5 ^s -20.0 ^s -6 ^m -4.0 ^s +20.0 ^s -18.8 ^s	
						29 +11.1 ^s -7.4 ^s -19.1 ^s -5 ^m -1.7 ^s -32.3 ^s -19.1 ^s	

Date Thurs Apr 28-29/55 Observer Ad - Hr Julian Day 2435226
 0 37 50 35.1 3497.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22245	HD 96093	10 59.9	60 32	I-12	E10320	016	18.1	20 11	21 31	2
22246	1+D95976	10 59.2	60 06	"	"	"	18.0	21 35	23 15	2
22247	HD 117845	13 27.9	59 27	"	"	008	16.2!	22 23	00 33	
22248	BD+29°2495	14 02.6	29 45	"	"	016	16.5	00 44	03 10	
Focus Test				③ 7.13						

Dome Temp.....

Transparency Conditions.....

Focus.....

Sat Apr 40, about 150 visitors. Started for star 7:45
+ 11:00 until KAFS telescopes - 11:30

Dome Temp.....

Ending Time
R.A.T.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21:31	W 35 ^m	60 01	0-1	9.56	F6	1-1-1	Set 2 KAFS	fine
22:15	W 2 ^h 20	59 46	0	9.85	F7	1-1-1	" 8 "	fine
23:32	01 11 W	59 06	0-1	8.36	F8p	2-2-2	" 2 "	Not strong
00:11	03 14 W	29 25	0	10.00	F8	1-1-1	" 8 "	fine
						4/3	" 5 "	could be visible
							0240 Thin cloud	
							0310 star gone	
							1 P.H. +12	
							Hor. 12.	
							MC SC MTW Stw S Sw ME	
							May 2 +13.1 -9.5 -13.1 -5 ^m -3.6 -2.0 -21.8	

Date Tues May 31/55 Observer Hd- Julian Day 2435231.
 42 41. 41.8 3487.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H
22249	HD104381	11 56.1	+12 56	I-2	Kodak	008	21.0	23 17	00 01	1
22250	HD107276	12 14.9	+29 01	"	"	"	"	00 05	00 45	1
22251	HD158263	17 23.2	+11 29	"	E10320	"	21.2	00 56	01 22	4
22252	HD161285	17 39.6	63 44	"	"	"	21.2	01 33	02 01	4

80.

Dome Temp.
 Focus 12.9
 Dome Temp.

Hour Angle
 End

W 230.
 W 255.
 E 140.
 E 111

Dome Temp.....

Transparency Conditions *Poor*

Focus *12.940*

Dome Temp.....

Cloudy until 2030 clearing slowly.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
W 2 30	13 37	0	6.73	A0	4-4-4	KA 818 Set 2 * not needed, but will finish exposure WRONG STAR	<i>later</i>																								
W 2 55			6.59	A2	4-4-4	" " " 8	<i>later</i>																								
E 1 40	11 24	1	7.0	A3	2-2-2	" " " 2 Brighter comp.	<i>later</i>																								
E 1 11	63 39	1	7.25	F3	2-2-2	" " " 8	<i>later</i>																								
<i>Not good enough for p. stars - closed.</i>																															
<table border="0"> <tr> <td></td> <td>SC</td> <td>MC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td>May 4</td> <td>-9.4^s</td> <td>+13.1^s</td> <td>-17.2^s</td> <td>-6^m</td> <td>-0.8^s</td> <td>+40^s</td> <td>-19.0^s</td> </tr> <tr> <td>6</td> <td>-11.0^s</td> <td>+15.8^s</td> <td>-16.3^s</td> <td>-5^m</td> <td>-0.8^s</td> <td>-21.8^s</td> <td>+2.7^s</td> </tr> </table>								SC	MC	MTW	STW	S	SW	ME	May 4	-9.4 ^s	+13.1 ^s	-17.2 ^s	-6 ^m	-0.8 ^s	+40 ^s	-19.0 ^s	6	-11.0 ^s	+15.8 ^s	-16.3 ^s	-5 ^m	-0.8 ^s	-21.8 ^s	+2.7 ^s	
	SC	MC	MTW	STW	S	SW	ME																								
May 4	-9.4 ^s	+13.1 ^s	-17.2 ^s	-6 ^m	-0.8 ^s	+40 ^s	-19.0 ^s																								
6	-11.0 ^s	+15.8 ^s	-16.3 ^s	-5 ^m	-0.8 ^s	-21.8 ^s	+2.7 ^s																								

Ws = Wiseman

Date 1955 May 6-7 Fri-Sat Observer MR. (Wd) - H. (Bk) Julian Day 2435.234

0 45 35 59.0 3482.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22253	HD 96950	11 ^h 04.7 ^m	+59° 26'	I-12 $\frac{1}{2}$	103a-0	.016	+14.1 C	20 41	23 15	2
22254	HD 121933	13 53.5	+45 39	"	"	"	+14.0	23 19	00 5	
22255	HD 131447	14 48.0	+44 39	"	"	"	17.0	00 21	02 29	3
	Found Test.				0.9.13.					"

Dome Temp. +52°

Transparency Conditions High thin clouds near horizon

Focus 12.940

Dome Temp.

234
4624

Ending Time
2.17

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 49 W	+59° 04'	0	10.08	G5	1-1-1	KAFS 13-122 Set 2	fin
0 53 W	+45 21	1	9.28	F3	1-1-1	" 33-347 " 8	fin
02 12 W	44 24	0	9.88	G8	1-1-1	" 34-353 2	fin
					4/3	" 8	OK
2 P.H. + P. H. on P.							

0130 Haze & Cloud.
0215 Much Worse.

Dome Temp. +50°F

Transparency Conditions *Haze & fog, very lunar*

Focus 12940

Dome Temp. +46°F

Saturday May 7, 6 visitors - lecture on sun & heliostat demonstrated, L-BK

235
34807
Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
00 14W	-1441	0	10.00	B1F	1-1-1	set 2 OB heliostat p. 3 4/3 - clouds at low end 124-9	OK																								
						<table border="1"> <thead> <tr> <th></th> <th>MC</th> <th>SC</th> <th>MTW</th> <th>STW</th> <th>S</th> <th>SW</th> <th>ME</th> </tr> </thead> <tbody> <tr> <td>May 9</td> <td>+16.7^s</td> <td>-14.1^s</td> <td>-14.1^s</td> <td>-6^m</td> <td>-1.0^s</td> <td>+8.1^s</td> <td>+3.4^s</td> </tr> <tr> <td>11</td> <td>+17.5^s</td> <td>-15.9^s</td> <td>-10.8^s</td> <td>-4^m</td> <td>-0.8^s</td> <td>-35.8^s</td> <td>+0.2^s</td> </tr> </tbody> </table>		MC	SC	MTW	STW	S	SW	ME	May 9	+16.7 ^s	-14.1 ^s	-14.1 ^s	-6 ^m	-1.0 ^s	+8.1 ^s	+3.4 ^s	11	+17.5 ^s	-15.9 ^s	-10.8 ^s	-4 ^m	-0.8 ^s	-35.8 ^s	+0.2 ^s	
	MC	SC	MTW	STW	S	SW	ME																								
May 9	+16.7 ^s	-14.1 ^s	-14.1 ^s	-6 ^m	-1.0 ^s	+8.1 ^s	+3.4 ^s																								
11	+17.5 ^s	-15.9 ^s	-10.8 ^s	-4 ^m	-0.8 ^s	-35.8 ^s	+0.2 ^s																								

Dome Temp. +60°

Focus 15.702

Dome Temp.

Transparency Conditions *Cloudy at first* 394
I found it at 16.132

*9mm 12 changed to
25" camera*

*Focus 12.938
12 1/2 was tilt 20.35 25 in Focus (15.632) 14d.
Tilt 23.15*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 17	+38 07	1	7.63	K0	4-4-4	Set 2 Vis Bin Prog.	fine
01 18 W	+34 57	1	7.95	K0	4-4-4	Set 8 " " "	fine
	-11 16	1	5.2 5.5	F8		set 1 OLS	
					4-4-4	5 "	strong
00 07 E						9 "	
00 03 W	+77 39	1	6.7	A0	4-4-4	Set 5 Spec Bin. <u>0100</u> Haze + cloud.	strong ok red light
					15/10	9	

*1 PH +
H on M*

MC SC MTW STW S SW ME
 May 13 +19.5 -16.5 -10.5 -5m -0.9 -15.4 +2.3

Dome Temp. +54°

Transparency Conditions *Good*

Focus 15.685

Dome Temp. +46°

242
47.3

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02	0 34 W	50 44	0	6.73	F8	4-4-4	Set 2 ADS	fin
06	0 10 W	63 15	0	7.20	F8	4-4-4	Set 2 ADS	good
22	0	-11 15	0	5.2	F8	12 ^s	"2 OLS 4 ^m	fin
32	0 21 E	-11 15	0	-		6-6	" 8 ^m	
34	0 36 W	13 37	0	7.4	G9	4-4-4	Set 2 OLS	weak
35	0 13 W	0 45	0	6.3	G0	4-4-4	Set 8 OLS	good.
39	0 48 W	37 57	0	6.9	G5	4-4-4	Set 2 Mc. Bul	} overlap X X
40	1 40 W	13 08	0	7.1	G5	4-4-4	Set 5 1/2 "	
						15/10	9	

Date 1955 May 15-16 Sun Mon Observer Mo - K Julian Day 2435.243
054 17 28.1 3470.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22268	ADS 8735	12 55.7	+18 55	I-25	E103A-0	set 008	20.5 20.5	20 29	20 53	4
22269	ADS 9539	15 09.5	+48 57	"	"	"	20.4	21 09	22 43	4
22270	ADS 9962	16 08.5	+42 38	"	"	"	20.4	22 48	23 24	1
22271	ADS 10127	16 32. ⁷ 8	+34 01	"	"	"	20.4	23 28	00 44	1
22272	HD 154528	17 00.9	+77 48	"	"	"	20.4	1 05	1 30	2
22273	ADS 10715	17 37.0	+24 34	"	"	"	20.4	1 46	2 34	3
22274	ADS 11494	18 31. ⁵ 6	+4 52	"	"	"	20.3	2 41	3 54	3
	Focus Test	O.T.B								3

Dome Temp. ↑

Focus 15.7

Dome Temp.

Hour Angle
End

Dome Temp. +63°F
 Focus 15.717
 Dome Temp. +58°

.695
 22
 15.717

Transparency Conditions Fair

243
 470-2

Ending Time
 I.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 51 E	+18 35	0	6.49	F5	4-4-4	Set 2 Vis Bin Prog.	work
1 14 E	+48 42½	0	8.06	K0	4-4-4	" 8 " " "	good
1 31 E	+42 27	1½	7.30	K5	4-4-4	" 2 " " "	fine
0 36 E	+33 54	1	7.89	K0	4-4-4	" 8 " " "	fine
0 14 E	+77 39	0	6.7	A0	4-4-4	Set 5 Spec. Bios.	strong
0 10 W	+24 32	1-0	7.27	K0	4-4-4	Set 2 Vis Bin Prog. over the cloud	fine
0 35 W	+4 55	0	7.64	K2	4-4-4	" 8 " " " (See above) star appeared in May 8 44	fine
					15/10	" 5	2K
						1 PH + ?	
						How M	
						Shutters will not operate	
						MC SC MTW STW S SW ME	
						May 16 +24.8 -19.2 -8.1 -.5 ^m -1.1 +10.7 +1.7 ^s	

Date *Mon. Tues. May 16-17, 1955* Observer ^{Ws} *O - K* Julian Day *2435.244*
 © 55 15 18-3 3469-0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
22275	Praesep #300	8 34.7	+19 54	I-25	F103a-O	^{cut} .008	+15.9	20 19	20 49	4	3 34
22276	" #253	8 34.3	+20 22	"	"	"	+15.7	20 52	22 16	4	4 57 W
22277	ADS 5792	13 36.4	+51 01	"	"	"	+15.9	22 25	23 07	1	0 47 W
22278	ADS 10144	16 36.0	+49 07	"	"	"	+15.6	23 21	23 51	1	1 23 E
22279	HD 145958	16 08.6	+13 48	"	"	"	+15.7	23 58	1 18	2	0 24
22280	13 Oph	16 31.1	-2 07	"	"	"	+15.5	1 26	1 54	2	0 39 W
22281	HD 154528	17 00.9	+77 48	"	"	"	+15.4	2 07	2 27	3	0 40 W
22282	HD 166520	18 06.4	+38 28	"	"	"	+15.5	2 39	3 49	4	1 00 W
	Focus Test	C.T.B.		"	"	"	+15.5			4	

Dome Temp. $+50^{\circ}\text{F}$ Transparency Conditions *Clear*Focus *15.652*Dome Temp. $+40^{\circ}\text{F}$ 244
2469-0Ending Time
E.S.T.

20 07

22 0

23 07

23 5

1 8

1 0

2 27

3 49

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 30 W	+19 40	0	6.47	A ₂	4-4-4	Set 2 Proscope	fine
4 57 W	+20 08	0	7.37	K0 III	4-4-4	" 8	Weak
0 47 W	+50 44	0	6.73	F8	4-4-4	" 2 Bin	fine
1 28 E	+48 59	0	6.31	Ma	4-4-4	Set 8 "	fine
0 26 W	+13 37	0	7.4	G9	4-4-4	Set 2 OLS. Singing in Trouble	Weak
0 39 W	-2 16	0	6.4	K0	4-4-4	" 8 "	good
0 49 W	+77 41	0	6.7	A0	4-4-4	Set 5 Spec Bin	good
1 00 W	+38 24	0	7.27	K ₂ V	4-4-4	Set 2 OLS.	fine
					15/10	" 8	OK
3 PH + Plates Mounted How M							

Date June May 17-18 1955 Observer Hd - Ws - K Julian Day 2435245

056 13 07.3 3467-8

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
{ 22283	Procyon 328	8 35.0	+20 04	I-25	E103a0	.008	+14.8	20 30	21 10	1	0 55 W
{ 22284	" 343	8 35.2	+19 56	"	"	"	+14.8	21 14	21 54	1	0 37 W
{ 22285	ADS 8735	12 55.7	+18 55	"	"	"	+14.8	22 03	22 26	2	0 51 W
{ 22286	ADS 9296	14 27.5	30 42	"	"	"	+14.8	22 29	22 35	2	
	"	"	"	"	"	"	+14.8	22 35	22 39	2	0 29 E
[22287	ADS 9908	^{58.9} 15 59.0	⁴² +11 43	"	"	"	+14.7	22 53	0 43	3	0 34 W
[22288	ADS 10259	16 51.0	+25 54	"	"	"	+14.7	0 50	1 30	3	0 00
22289	HD 154528	17 00.9	+77 48	"	"	"	+14.8	1 41	2 01	4	0 35 W
22290	V451 Oph	18 24.5	+10 49	"	"	"	+14.7	2 11	3 23	1	0 30 W
[22291	ADS 12693	19 32.8	+16 14	"	"	"	+14.5	3 29	3 51	2	0 21 E
	Focus Test	C.T.B.					+14.5			2	

Dome Temp. +54°

Focus 15.634

Dome Temp. +44°

Transparency Conditions Good

402

Ending Time
L.L.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 55 W	+19 52	0	7.05	A ₅	4-4-4	Proscopie Prog. Set 2	fin
4 37 W	+19 43	0	6.95	A ₃	4-4-4	" " Set 8	fin
0 51 W	+18 35	0	6.49	F ₅	4-4-4	ADS Prog. Set 2	fin
0 29 E	+30 31	0	4.92	K ₀	4-4-4	" " " 5 1/2	fin
0 29 E	"	0	"	"	4-4-4	" " " 9	fin
0 09 W	+11 31	0	8.08	K ₂	4-4-4	" " " Set 2	Good
0 00	+25 47	0	7.05	K ₀	4-4-4	" " " 8	fin
0 25 W	+77 40	0	6.7	A ₀	4-4-4	Spec Bin Set 5	not very
0 19 W	+10 50	0	8.1	A ₀	4-4-4	Gal. Bin Set 5	fin
0 21 E	+16 20	0	6.42	K ₀	4-4-4	ADS Prog. Set 2	fin
					15/10	" 8	clearly
1 PH + 8							
H on M							
MC SC MTW STW S SW ME							
May 18 +17.7 -19.8 -25.1 -.7m +1.0 +31.4 -4.6							

Date 1955 May 18-19 Wed. Thu. Observer Mo - Hrc Julian Day 2435.246
 05710551 3466.6

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp. 18.2	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22292	Praesepe # 253	08 34.3	+20 22	I-25	E103a-C	set	+18.2	20 26	21 58	3
22293	HD 145958	16 08.6	+13 48	"	"	"	+18.2	22 16	23 12	4
22294	"	"	"	"	"	"	"	23 12	01 08	"
22295	H.D. 154528	17 00.9	+77 48	"	"	"	18.5	00 25	00 45	1
22296	V451 Oph	18 24.5	+10 49	"	"	"	18.2	01 42	03 28	2
<i>Focus Tank O.F.B.</i>										

Dome Temp

Focus 5

Dome Temp

Hour Angle
End

4 47

1 33

2 06

1 15

1 00

Dome Temp. $+63^{\circ}F$

Transparency Conditions *Good*

404

Focus *15.685*

Dome Temp.

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4 47W	+20 08	0	7.37	KoIII	4-4-4	set 2	<i>fine</i>
1 33W ^E	+13 37 $\frac{1}{2}$	1 $\frac{1}{2}$	7.4	G9	4-4-4	set 2 OLS I guided on the south preceding* (clouds 23:20)	<i>fine</i>
00 36 E	"	"	"	"	4-4-4	" 8 OLS " " " north following*	<i>fine</i>
00 17E	77 39	0	6.7	A0	4-4-4	" 5 Spect. Bin.	<i>Extremely</i>
00 22W	+10 50	0	8.1	A0	4-4-4	" 5 Ecl. Bin. Cloud + haze for 1 hr.	<i>fine</i>
					15/10	" 9. <u>0300</u> Windy Image Unsteady partly overlapping	<i>fine</i>
						IPH. 74 the M,	

Date 1955 May 19-20 Thu-Fri Observer L-We-Hr Julian Day 2435.247
 ☉ 58 68 41.7 3465.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
22297	HD 82719	09 28.6	+63 14	I-12 $\frac{1}{2}$	E10920	.008	+17.6	20 44	21 06	3	
22298	HD 82861	09 29.6	+57 25	"	"	.008	+17.6	21 22	21 34	3	3 30W
22299	HD. 82969	09 30.2	60 39	"	"	"	17.5	21 37	21 53	1	3 40W
22300	HD 90512	10 21.9	11 49	"	"	"	17.5	22 01	22 21	1	3 50W
22301	HD 98153	11 12.4	27 54	"	"	"	17.5	22 27	22 39	2	3 55W
22302	HD 143525	15 56.2	30 23	"	"	.016	17.5	22 59	01 11	2	4 00W
22303	HD. 151528	17 00.9	77 48	"	"	.008	"	01 33	01 45	3	4 05W
22304	V451 Ophi.	18 24.5	+10 49	"	Hi Speed.	"	"	01 59	03 39	1	4 10W
	From Inst. Q-213.										

Dome Temp. $+53^{\circ}$
 Focus 12.939
 Dome Temp.....

Transparency Conditions *Clear*

May 19 changed to 8122 camera
25" was Jilt 23.15 12 1/2" was Jilt 20.35
Focus 15.685 Focus 12.938

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 02W	+62 56	0	7.516	F0	2-2-2	Set 2 KA 8x8	fin
3 30W	+57 10	0	6.94	A2	2-2-2	Set 8 " "	fin
3 49W	60 22	0	7.34	G5	2-2-2	Set 2 " "	fin
3 27W	11 31	0	7.38	G5	2-2-2	Set 8 " "	fin
2 55W	27 37	0	6.86	A2	2-2-2	Set 2 " "	fin
00 41W	30 12	0	10.08	G8	1-1-1	Set 8 KAFS.	fin
00 18W	77 37	0	6.7	A0	2-4	" 5 Spot Bin.	fin
00 43W	10 50	0	8.1	A0	4-4-4	" 5 Ecl. Bin.	fin
					15/10	" 9	OK.

Hen. M. 1P.H. Plates Needed

	MC	SC	MTW	STW	S	SW	ME
May 20	+22.4 ^S	-21.7 ^S	-3.5 ^S	-.4 ^m	+1.0 ^S	-11.1 ^S	-3.7 ^S

407

Date 1955 May 21 Fri EST Observer (Mo) - (Ws) - (Hr) Julian Day 2435248
 05906 27.1 344.2

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22305]	HD 82569	09 27.7	61 20	I-13 $\frac{1}{2}$	E103aD	.008	+19.9	20 32	20 52	4
22306]	HD 87271	09 53.5	12 07	"	"	"	+19.9	20 58	21 12	4
22307]	HD 87647	10 01.2	13 17	"	"	"	+19.9	21 17	21 36	3
22308]	HD 89363	10 13.6	18 13	"	"	"	+19.9	21 42	21 52	3
22309]	HD 126246 ³⁴	14 19.3	11 42	"	"	"	+19.8	22 02	22 24	4
22310]	HD 158263	17 23.2	11 29	"	"	"	+19.8	22 33	22 49	4
22311 {	HD 133965	15 02.2	29 35	"	"	"	+19.7	23 03	23 06	1
	"	"	"	"	"	0.016	+19.7	23 07	00 27	1
22312	" 154528	17 00.8	77 48	"	"	.008	19.4	00 44	00 56	2
22313	V 451 Oph.	18 24.5	+10 49	"	HiSpd.	"	19.4	01 08	02 34	3
22314 {	HD 176077	18 53.4	-07 29	"	E103aD	.016	19.7	03 07	03 45	4
	Focus Test 0.7/13.									

Dome Temp. +63°

Transparency Conditions *Clear (some haze)* 408

Focus 12.939

Dome Temp. +52° F

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 55 W	61 03	0	7.45	F ₀	2-2-2	set 2 KA 8x8.	just dry fine
2 45 W	11 48	0	7.04	A ₀	2-2-2	set 8 " "	fine
3 06 W	12 59	0	7.51	A ₅	2-2-2	Set 2 " "	staring.
3 10 W	17 54	0	6.62	A ₀	2-2-2	Set 8 " "	staring
0 24 E	11 26	0	7.7	F ₅	2-2-2	Set 2 " "	fine
3 02 E	11 25	0	7.2	A ₅	2-2-2	Set 8 " "	fine
	29 18	0	9.42	F ₆	2-	Set 2 KA FS	Forget to reset slit.
00 58 W	29 18	"	"	"	1-1-1	set 2 "	focus strong
00 28 E	77 40	0	6.7	A ₀	2-2-2	" 5 Spect. Bin.	very strong
00 18 E	+10 50	0	8.1	A ₀	4-4-4	" 5 Ecl. Bin.	fine
00 24 W	-07 26	0	9.0	B.Ia	1-1-1	" 2 O.B.	2 weak
					4/3	" 8	Field difficult to identify seems all right Hrc and S check. - Mo
							010
							fine M 11:20 +6.

Dome Temp. +60°F

Focus 12-939

Dome Temp. +56°

Transparency Conditions Clear but a lot of haze

410

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 50W	+29 38	0	9.99	F5	1-1-1	Set 2 K.A.F.S.	fine
0 14W	+77 40	0	6.7	A0	2-2-2	Set 5 Spec. Bin.	Interm
0 28W	+10 51	0	8.1	A0	4-4-4	" 5 Ecl. Bin Very Hazy	OK fine
					15/10	" 9	OK
						1 PH + 4	
						H on M	

Date 1955 May 23-24 Mon. Tue. Observer Mo - K Julian Day 2435.251

06159 35.5 3460.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
22318	HD 114071 Focus Test	13 03.0 0-TE	129 59	I-12 $\frac{1}{2}$	E103a-0	0.016 0.008	+23.1	22 18	23 32 ^{2$\frac{1}{2}$h}	4
1955 May 26-27			K	0100 hrs	No cloud, but very thick haze. Only bright stars visible.					

Dome Temp. 70

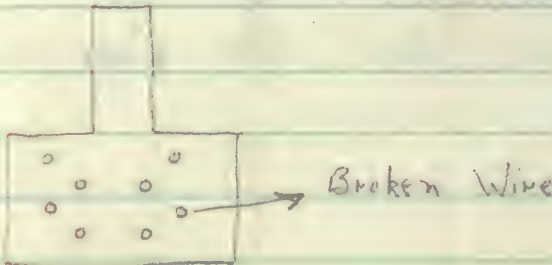
Focus... 9

Dome Temp.

Hour Angle
End

Dome Temp. 70°F
 Focus 12.939
 Dome Temp.

Transparency Conditions Good after clouds cleared

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																								
2 13W	+29 41	0	10.08	F8	1-1-	Set 2 KAFS Cut exposure for fear of rain. Clouds 23 20	hi																								
					8-6	set 10	OK																								
						Too much cloud. 4 PH + Plates Needed Han M																									
																															
						<table border="0"> <tr> <td></td> <td>MC</td> <td>SC</td> <td>MTW</td> <td>STW</td> <td>S</td> <td>SW</td> <td>ME</td> </tr> <tr> <td>May 24</td> <td>+24.8^s</td> <td>-24.2^s</td> <td>-3.4^s</td> <td>-4^m</td> <td>+1.9^s</td> <td>-25.7^s</td> <td>-4.5^s</td> </tr> <tr> <td>26</td> <td>+25.8^s</td> <td>-24.5^s</td> <td>+0.9^s</td> <td>-4^m</td> <td>+3.0^s</td> <td>+16.7^s</td> <td>-2.1^s</td> </tr> </table>		MC	SC	MTW	STW	S	SW	ME	May 24	+24.8 ^s	-24.2 ^s	-3.4 ^s	-4 ^m	+1.9 ^s	-25.7 ^s	-4.5 ^s	26	+25.8 ^s	-24.5 ^s	+0.9 ^s	-4 ^m	+3.0 ^s	+16.7 ^s	-2.1 ^s	
	MC	SC	MTW	STW	S	SW	ME																								
May 24	+24.8 ^s	-24.2 ^s	-3.4 ^s	-4 ^m	+1.9 ^s	-25.7 ^s	-4.5 ^s																								
26	+25.8 ^s	-24.5 ^s	+0.9 ^s	-4 ^m	+3.0 ^s	+16.7 ^s	-2.1 ^s																								

Time Ending Time
E.S.T.

