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

Temp.

...

Temp.

Angle
Ind

Dew

me Temp.....

4

Quality

Dome Temp..... 64.0

Showered KCVN to 500 visitors, also Sakur, 2 rapids in mid / ASG
 also no. 2

6

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 44 2	2 07 W	+44° 57'	1	9.57	F6	1-1-1	Set 2; KAES-33 Off at 11:55; on again at 12:06	fair
03 40 2	3 26 W	+45° 21'	1 1/2	9.68	F8	1-1-1	" 8 KAES 134	fair
03 37 3	0 48 W	+61° 23'	1	7.26	A3	4-4-3	" 2 K.A. 18" x 8" suppl. <i>comp. good</i>	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 - Hr 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	I-12	E103a-O	^{SD} .016	+19.2	21 41	22 11	3
21270]	HD 114762	13 07.5	+18 02	"	"	"	+19.2	22 15	22 39	3
21271]	HD 121648	13 51.6	+26 25	"	hi speed	^{SD} .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	"	E103a-O	"	^{19.8} 19.5	02 12	04 00	"
	<i>Focus Test</i>				<i>0.713</i>					

Dome Temp. 47° F

Transparency Conditions *Clearing* about 21:00

8

879

51.6 346.7

Ending Time
E.S.T.

[illegible]

3 P.H. 103 aO Plates Needed.

	MC	SC	S	MTW	STW	3W ^m	ME
Mag 17	+22.8 ^s	+43.5 ^s	+45.3 ^s	-1 ^m 34.4 ^s	-1 ^m 4	+0.3	+0.5 ^s

9

Mn = JOHN MARTIN

Date MON-TUE MAY 17-18 1954 Observer MR, Mn - H_v 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'	J-12½	103a-0	set 0.16	+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	3
	Booms.	Test	OJB.			"				

Dome Temp. +51°F

Focus.....12.924.....

Dome Temp.....44°F

Transparency Conditions *Excellent*

10

2880

38.3 3465.3

Ending Time
E.S.T.

Ending Time E.S.T.	P.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 33	/	+2:45	+59° 22'	0 ⁺	9.32	F6	1-1-1	KAFS-13-124; Set 2	fine
23 10	/	-0:03	+60° 16'	.1-	9.08	K3	1-1-1	KAFS-15-138; Set F	fine
01 56	2	02 07W	+60 06	O	9.60	A8	1-1-1	KAFS-15-134; set 2	fine
03 55	2	04 01W	59 40	O	9.75	Ksp	1½-1½-1 4/3	" " - 140 " 8 Looks a little brighter than 9.7, and is violet	fine
1 PH + 12 E 103 a0 Hon M.									

11

K = Basil Kerr

K

Date Tue-Wed, May 18/19, 1954 Observer Hd - Ma Julian Day 2434881

05725 23.6 3463.9

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21280	BA + 58° 1199	09 29.5	+58° 21	I-10 1/2	E103-a-0	set 016	+13.1	20 45	22 45	3
{ 21281	HD 117845	13 27.9	+59 27	"	"	008 016	13.1	22 58	23 42	4
{ 21282	HD 135741	15 11.6	+59 56	"	"	016	+13.1	23 51	01 07	4
[21283	HINS 136 HD 135962	15 12.9	+59 49	"	"	"	+13.0	01 12	02 52	1
[21284	HINS 364 HD 142592	15 50.3	+45 15	"	"	"	+13.0	02 59	04 05	1
	Focus Test	O.T.B.								

Dome Temp. $+46^{\circ}\text{F}$ Transparency Conditions GoodFocus 12:924Dome Temp. $+40^{\circ}\text{F}$

About 20 boys from church group. Showed slides and demonstrated telescope and showed 24 in 4-inch. N.

881

6 3463.9

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 4	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 1	3 05 W +59 35	1	9.69	G8	1-1-1	KAFS " 15 set 2.	fine
04 05 1	3 41 W +45 05	0-1	9.25	A ₂	1-1-1	KAFS " 35 set 8	fine
					4-3	set 11	
						H. on M. 2 P.H loaded with E103-a-0 + 8	
						MC, SC <u>MTW STM</u> S SW ME May 19: 22.7' + 15.2' -1.0' 0.0 + 45.2' + 45.2' - 4.3'	

Date Wed. Thurs May 19-20, 1954 Observer H. M. - H. V. Julian Day 2434882
05823 07.5 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.H.
{ 21285	HD 99967	11 ^h 25.0	+47° 12'	I 12 $\frac{1}{2}$ "	E103a-0	set .016:	+13.1°C	20:26	00:26	3
{ 21286	B 3673	14 ^h 13.8	+35° 58'	I 12 $\frac{1}{2}$ "	E103a-0	"	12.6	0031	0151	"
21287	B 4129	16 ^h 08.1	+36° 41'	"	"	"	12.6	0157	0351	4
<i>Bous</i>		<i>Leet</i>		<i>O. F. B.</i>						

Date Thurs - Fri Nov 20/21, 1954 Observer Box - Hvr Julian Day 243488.3

⑤ 59 20 50.2 3461.4

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
21288	BD +44° 2112	11 33.2	+44° 29'	I-12½	E103-d-G	pel .016	+8.2	20 36	23 26	1
21289	HD 132046	14 52.0	+45 18	"	"	"	"	23 31	01 11	1
21290	BD +29° 2751	15 57.6	29 42	"	"	"	13.0	01 22	03 50	2
	Focus Test			O 7B.						

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

Transparency Conditions.....Fair

Focus.....

Dome Temp. 42.....

Ending Time LST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 1	3 25 W	44 22	0	9.65	F7	1-1-1	self 2 KAFS, line 322	fine
01 11	01 50 W	45 06	0	9.13	F0	1-1-1	8 " 356 Windy, Image unsteady	fine
23 53	03 27 W	29 44	0	9.99	F5	1-1-1	" 2 " " 635	good
						4/3	" 8	can't see violet
							2 P.H. + 4 E 103 a 0	
							H on 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 Mo-Hu 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				
	HD 105981			I-12 $\frac{1}{2}$	E103a-O	0.016	"	20 26	20 44	3
21291	B.P.C. 3180	12 06.7	+26 25	"	"	"	+15.1	20 50	23 10	3
21292	B.P.C. 4629	18 15.1	+24 24	"	"	"	+15.1	23 22	02 00	3
	<i>Howe</i>	<i>Test</i>	<i>0.7</i>	<i>13</i>						3

19

Dome Temp. 66
Focus 1' 9 1/2"
Dome Temp.

1

[illegible]

Dome Temp.....55° F.....

Focus.....12-912.....

Dome Temp.....

Transparency Conditions... *Cleared at 2315*...

185

•0 3459.4

Ending Time
E.S.T.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 00	02 38 W	29 13	30	9.42	F61	1-1-1	alt 2° KAFS, Hms 625	0130 through clouds clouds & wind
				9.17	G5		6 " 349	Mostly cloudy
						4/3	6	
							2 PH with E 103-a-0 + 2	

Date May 23-24/54Observer L-K-HJulian 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	15 14.3	+60 08	I-12	E-10300	set 016	20.1	21 09	23 39	1
21295	BD + 45° 2344	15 48.6	45.00	"	"	"	20.2	00 34	03 40	1
	Focus Test					0.7 B.				
May 25, 1954										
Change to 25" camera - { 5-12" Focus was 12.913 (should be 12.933)										
Tilt was 20.35										
Set I-25" Tilt set 23.15										
Focus set 15.655										
21295 F	Focus Test					Harvard 008	16.3			1

Dome Temp.....+64°F

Focus.....12.912

Dome Temp. 57°F

Transparency Conditions..... *Good*.....

Time lost " handswitch repaired by L.

86.....	Dome Temp.....	57° F	Time lost " handswitch repaired by L.						
4 34584									
Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
23 59	0 10W	59 55	0	9.84	F5	1-1-1	Set 2. KAFS. Verbal flexure	1	
03 37	03 37W	44 50	0	9.67	F3	1-1-1	" 8 KAFS 35 #360 Looks fainter	1	
						4/3	" 5 0100 Hazy Cloud		
							0300 Sky Better		
							Seeing 1.		
							1 P.H. + 2 E1103.0		
							Hon. M.		

Tues

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

0 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	E10300	008	17.0	20 41 ⁴⁵	20 43	2
	"							20 44	20 45 ³⁰	
	"							20 47	20 52	
21297	HD 103095	11 47.2	38 26	I-25	E10300	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 ¹³ 58.6	11 ¹⁶ 47	I-25	"	"	16.8	23 16	23 56	1
	³⁰⁰ η Cr B	15 19.1	30 39	"	"	"	16.8	00 02	00 14	1
21301 {	X Herculis	15 49.2	+42 44	"	"	"	16	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

Focus... 15.667

Dome Temp.....

Transparency Conditions Good

24

-888

2 34516

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 43			4.88	G0V	—	Set 1 O's Lum *	
21 00					—	" 5	
20 52	W 15 th	0			6-6	" 9	Suspicious that focusing not working fine
21 51	W 1 53	0	7.24	G80P	4-4-4	Set 2 " "	Found focusing belt broken. 7 hrs Lwk
23 00	W 2 20	0	6.5	F8	4-4-4	" 2 " "	but needs replacing. Lwk
23 16	W 1 49	0	6.8	G5	4-4-4	Set 2 " "	
00 14	O 47W	0	5.6	G0	4-4-4	Set 8	star is <u>not</u> double (poor seeing). fine
00 35	+ 42 35	0	5.16	F9V	4-4-4	" 1	
00 40	O 48W				4-4-4	" 5	fine
00 41	L 04W				4-4-4	" 9	
01 09			4.33	F6V	12	" 1	
01 14					12	" 5	fine
01 20	L 24W + 15 49				4-4-4	" 9	
01 54	O 31W + 32 30 $\frac{1}{2}$	0+	6.01	G0V	4-4-4	" 2	
02 16	O 44E - 13 2 50	0	5.7	G0V	4-4-4	" 8	fine

Note that first 3 plates developed.

Date Wed-Thurs, May 26-27, 1954 Observer O.K. — Julian Day 2434889
 ☉ 65 06 43.8 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 03	2
	"							20 40 54	20 45 54	2
	"							20 46 59	20 56 59	2
21308	β 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 19 51	3
21309	HD 126053	14 18.1	+1 43	"	"	"		21 39	22 29	2
21310	HD 121370	13 49.9	+18 54	"	"	"	+14.8	22 38 05	22 39 35	1
	"							22 40 28	22 43 28	1
	"							22 44 32	22 50 32	1
21311	α Boo	14 11.1	+19 42	"	"	"		22 58 5-10		2
	"							22 59 35	M. 16	2
	"							23 0 45	n.d. 16	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. 15
 Focus 5.640
 Dome Temp.

How high
 Est.

0.17W

0.07W+

0.57W+

0.48W H

Dome Temp. $+56^{\circ}\text{F}$

Focus. 15.640

Dome Temp.

Transparency Conditions. *Clean*

28

889
3-8 3455.6

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+17 48.	0	4.7	F5	—	St. 1. 2 ^{1/2} min. 0. Luminosity stars	
					6-6	" 5 5 "	<i>fine</i>
0 13 E					—	" 9 10 "	
	+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 1/2 " "	<i>fine</i>
					12	" 5 3	
0 57 W	+18 37				—	" 9 6	
	st	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 ^s	
		0	5.3	GO	—	" 1 5 ^m " "	<i>fine</i>
0 49 W	+47 50				12	" 5 10	
					—	" 9 20	

(CONT'D)

Date Wed-Thurs May 26-27, 1954 Observer O.R. - Mo Julian Day 24348.89
 ☉ 65 06 43.8 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.
21313	2 Ser.	15 41.6	+7 40	I-25	E103a-0	008		23 59 40	00 03 40	4
								00 04	00 12	
							+14.7	00 12	00 28	
21314	η Herculis	16 39.5	+39 07	"	"	"		00 38	00 40	1
								00 41	00 45	
							+14.7	00 46	00 54	
21315	7 Serpente	18 ^{16.1} 17.0	-02 55	"	"	"		01 04	01 06	2
								01 07	01 11	
							+14.7	01 16	01 24	
21316	99 Herculis	18 ^{03.2} 05.3	+30 33	"	"	"	+14.7	01 28	01 52	3
21317	31 Aquilae	19 20.2	+11 44	"	"	"	+14.7	01 58½	02 16'	1
21318	HD 190360	19 59.5	+29 38	"	"	"	+14.7	02 26	02 58	4
21319	8 Equ	21 09.6	+09 36	"	"	"		03 25	03 27	1
								03 29	03 37	
							+14.7	03 37	03 55	
21318 F	Focus Test	O.T.B.								

Dome Temp.....

Transparency Conditionsgood.....

Focus.....

Dome Temp. +43°F

4889

43-8 3455-6

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 03 40		0	5.03	G0 ^V	-	Ext. 1-1 14m - Olse's Luminosity Star.	
00 12	0 27W +07 30				6-6	" 5 8m	fine
00 28	0 43W				-	" 9 16m.	
00 40		0	4.2	G0 III-IV	-	" 1 0 Lum.	
00 45					6-6	" 5 "	fine
00 54	0 11W +39 100				-	" 9 "	
01 06		0	4.20	K0 III-IV	-	" 1 " Light inside spectrograph on for part of this exposure	
01					6-6	" 5 "	fine
01 14	0 56E -02 55				-	" 9 " 3 P.H. loaded E103-a-O 4 in box.	
01 52	0 14E +30 32	0	5.56	F8	4-4-?	" 2 "	fine
02 11	1 07E +11 51	0	5.8	G0 IV	4-4-4	" 8 "	fine
02 5	1 04E +29 47	0	6.4	G0 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
03		0	4.9	F5	-	" 1 "	
03	1 36E				6-6	" 5 " Star not double.	fine
03 55	1 18E +09 49½				-	" 9 " A new pencil is needed in the dome.	
					10-7	" 10½ "	all night

Date Sun Jan 6/7/1954 Observer H. K. Julian Day 24349.0
 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	B. C. Vn	12 29.0	+41 54	IR 5	E10320	008	18.2	20 43 ¹⁵ 45 ²⁰ 49 ⁰⁰	20 45 ¹⁵ 48 5	2
21321	42 Com	13 05.1	+18 03	"	"	"	(19.0)	21 00 ⁰⁰ 02 ¹⁸ 04	21 01 04 08	2
21322	HD 103095	11 47.2	+38 26	"	"	"	19.1	21 12 ³⁰	48	3
21323	EV6	12 57.2	+11 30	"	"	"	18.8	53 ²⁵ 54 ⁰⁸ 56 ³⁰	54 56 21 50	1
21324	B. Com	13 07.2	+28 23	"	"	"	18.8	22 02 ²⁵ 05 ¹⁵ 09 ¹⁵	04 ⁵⁰ 09 17	1
21325	η Boo	13 49.9	+18 54	"	"	"	18.5	22 21 ⁵⁰ 22 22 ³⁵ 22 24 ⁴⁰	22 ³⁰ 23 ³⁵ 26 ³⁰	2

Dome Temp.....

Focus..15.684.....

Dome Temp.....

Transparency Conditions

Good

Sat May 29-30 S, MO Mirror out, partly cloudy

JFH mid 6', 3 am del mirror log 4"

24.7 125 minutes Jupiter, Venus, Saturn etc

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	G0V		OLS-ldz 1 1/2 - Dec. setting Poor	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	
					12 ^s	9 2m 40 ^s are different from	fine
01 40W						" 1 2 instead of these	
	+28 06	0-1	4.9	G0V		" 5 4	
					12 ^s	9 8	
01 30W						" 1 30 ^s Also for plates 21389	
	+18 37	0-1	3.3	G0IV		" 5 1 21390	
					12 ^s	4 2 21391	fine
01 16W							

0	0	0	0	0	0
15	12	11	10	9	0
40					
10	0	0	0	0	0

Date Sun Jun 6/7 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	T Boo	13 42.5	+17 57 ⁵⁷	I25	E10320	008	18.2	22 30 ⁵⁰	22 32 ⁵⁰	5
21327	HD 122742	13 58.6	+11 17 ¹⁶	"	"	"	18.2	22 47	23 21	4
21328	K Boo	14 11.1	+19 42	"	"	"	18.2	23 24	23 25	1
21329	O Boo	14 21.8	+52 19	"	"	"	18.2	23 30 ¹²	23 32 ¹²	2
21330	d Ser	15 39.3	+06 44	"	"	"	18.2	23 50 ³⁰	23 57 ³⁰	3
21331	HD 144579	16 01.5	+39 26 ²⁴	"	"	"	18.0	00 01	00 46	4
21332	HD 145497	16 06.2	+44 58	"	"	"	18.0	01 02	01 52	1
21333	HD 168957	18 17.3	+25 01	"	"	"	18.0	02 13	02 48	2

Dome Temp.....

Focus.....

Dome Temp.....

Transparency Conditions Good

Set June 5, 1954 about 30 visitors, Raining

10h

3444.2

Ending Time
E.S.T.

22 32 6

46

21

22 20

32 20

23 5

23 3

23 5

01 52

02 1

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0-1	4.99	F ₂ V		OLS set 1 2 Reset Tenny Control	
					12 ^s	5 4	fine
01 40W +17 40						9 8	
02 02W +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	F ₅			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
02 27W +44 52	0	7.5	K ₂		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

Date ^{Sun} ~~Mon~~ June 6-7 Cont'd Observer - K Julian Day 24349.00

075 39 22.3 3444.2

[illegible]

Dome Temp.....

Transparency Conditions Good

Focus.....

Dome Temp..... 55Hour 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

10-7 Set 5

4 PH Loaded

E103a-0

Plates needed

fin
all right

Dome Temp. 62°F

Focus 15.740

Dome Temp. 59°F

Transparency Conditions

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

Ending Time
L.S.T.

46.5 3443.1

22 32

23 17

23 15

23 20

23 17

23 15

23 15

23 15

23 15

23 15

23 15

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
12:36	+52 01	0	7.8	K3	4-4-4	set 2 OLS.	fine
1:02W	+19 19	0	6.8	K1V	4-4-4	set 8 "	fine
1:19	+19 15	0	5.2	G8V	-	set 1 " 2 1/2"	fine
					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	
01:50W						" 2 " 50m.	fine
00:46W	47 06	0	7.5	G9	4-4-4	" 2 Hd Be Prag.	fine
00:25W	-10 17	0	8.1	B3c	4-4-4	" 2 " " "	weak
00:45W	+05 52	0	8.5	B5nc	4-4-4	" 9 " " "	
					10/7	" 5.	
3 P.H. +8							
Hon M.							
June 7	Me	SC	MTW	STW	S	S w	ME
	+5	+51.8	+27.8	+4	+66.3	+38.3	-5.2
	25.0	1.4					

03:10 A few streaks
of cloud

03:40 Sky too light all night

(Pxc) (Bk)

Date Tues-June 8-9/54 Observer Ad-Min Julian Day 24349.02
 0 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	8103a0	008	+24.1	20 43	20 46	1
								20 46	20 52	
								20 52 ¹ / ₂	21 04 ¹ / ₂	
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 14	4
								23 15	23 21	
								23 32	23 36	
21346	χ Her	15 49 ⁹	+42 44					23 45	23 47	1
								23 47	23 51	
							+23.6	23 51	23 59	
21347	ζ Her	16 37.5	+31 47					0 08	0 08 30	2
								0 09	0 10	
								0 10 30	0 12 30	
21348	HD 166620	18 06 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 upside down?

Transparency Conditions *poorish*

M.T. clock in dome has red signal up, but
sid time seems OK for finding stars. M10 please
check and put down red signal.

4902
09-6 3442

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2046			5.4	F2111	—	Set 1 OLS	
2052					6-6	" 5	} large.
2102	E 031 - 2 01	0			—	" 9	
2234	E 011 - 12 07	0	6.6	F8	4-4-4	" 5 OLS	
2300	W 038 - 1 11	0	7.7	K0	4-4-4	" 5 OLS	fine
		0	5.6	F8V	6-6	" 1 OLS	
2301	W 107 + 67 30				—	" 5	fine
						" 9 1/2 of exposure time	
		0	5.6	F9V	—	" 1 OLS	
					6-6	" 5	strong
2305	W 058 + 42 34				—	" 9	
2330			3.46	G0111	—	" 1 OLS	
2340					—	" 5	strong
2343	O 22W + 31 41	0			12	" 9	
1/16	O 02E + 38 26	0	7.27	K2V	4-4-4	" 5 OLS	fine
204	O 26E + 33 07	0	7.2	K0	4-4-4	" 5 OLS	fine

Date June 8-9 /54 Observer Mn Julian Day 24349.02

077 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,	Y
21351	MWC 317 HD 183143 Focus Test O.T.B.	19 23.0	+18 05	"	"	"	+23.8	3:00	3 42	2
June 10 changed to I-12.										
I-25 was focus 15.769. Tilt 23.15°										
I-12 set at " 12.933 " 20.35°										
21351F ₁	Focus test			I-12	HiSpeed	0.008	20.7°			
Comp. exposure test (after adjusting arc)										
21351F ₂		Focus 12.943		I-12	HiSpeed	0.008	23.8°			
		12.953		"	"					
Comparison Exposure Test.										

Date 1954 Jun. 10 - 12 Thurs. Fri. Observer Mo. - Mn. Julian Day 2434.904
079 28 52.7 3440.0

[illegible]

Dome Temp. +7.6°

ocus 12.952

Dome Temp. +63°F

Transparency Conditions Thin clouds at beginning.

4102

3440.0

Reading Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 35	2 43½ W	+44 15	½	9.27	F6	1-1-1	Set 2 KAFS.	fair str
00 54	3 03 W	+44 25	1.0	9.88	GB	1-1-1	" 8 "	OK very str
1 58	1 18 E	+23 58	0	9.0	B-Ia	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
2 52	1 21 E	+37 36	0	7.2	Bas V	2-2-2	" 2 OB	(wks) good
							Retro. slow motion will not run past a certain point.	
							8/6 Set 9	OK
							2 PH with E 103 a-0 + 4 in refing	(1/1/1)
							HC SC HMR Srw S SW ME $+25.3$ $+49.0$ $+8.5$ -1.1 $+67.8$ $+42.2$ $+1.2$	

Fri Jun 11. Sky clouded over just after I got telescope ready for observing. Still cloudy at 12:15 E.D.T. - Mo

0 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 748897	16 26.2	+20 42	I-12	E103aD	Slit 0.016				
{ 21357	HD 148897	16 26.2	+20 42	1-12	E103aO	Slit 0.016	25.6	01 11	01 55	3
{ 21358	HD 166208	18 04.5	+43 27	1-12	E103wO	"	25.7	02 09	Clouds 02 24	3
	Faint 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
 Quality
 02 30

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

REMARKS

Clouded in just as I was about to
 open the plate holder
 2 p.h. with 103 a O + 4 in refug.

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

2 37^W +20 33 0-2 6.1 G5 1-1-1
 1 28W +43 28 1-2 6.1 G5 1-

Set 2 Horrocks Prog.
 Set 8 " "

Dec. slow motion won't
 run past certain point
 as desired
 O.K.

Try clamping it
 OK

8/6 Set 5

1 PH with E 103 a O + 4 in refug
 MC SC S MTW STW SW ME
 Jun 14 +24.7 +38.0 +59.4 -0.3 -025 +21.5 +4.1

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

Date Mon-Fri 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° 24' 95"	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	"
21361	BD +11° 29' 10"	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

ocus 12.958

Dome Temp. +73°F

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

108
6 3436P

Ending Time LST.	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>
23.07	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	H ₀ Bin Set 2 Telescope ran Is this standard? 2" into ladder - had to reset, 0:40-0:45	<i>no str.</i>
						9/6	Set 8.	
							3 P.H. with E 103a-o,	

Date 1954 Jun. 15-16 Tues.-Wed. Observer Mo Julian Day 24349.09
084 15 24.4 3436.1

[illegible]

Dome Temp.....+7.3°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.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 12	4 25 W	+29.42	0	10.06	G8	1-1-1 set 2 KAFS. Whole exposure through clouds.	flexure weak
00 13	2 07 E	+10.18	0	5.78	F8	3 " 8 Std Vel	l. weak
					8-6	" 10 1/2	all right
						2 p.h. loaded with E103a-O.	
						HE SC HTW STW S SW HE June 16 +24.2 +50.9 .2 +1.2 +74.5 +11.7 +12.8 18 +24.1 +44.3 +4.3 +1.3 +68.5 +5 +8.0	

Date 1954 Jun 18-19 Fri-Sat Observer Mo-Hu Julian Day 24349.2
087 07 11.3 3434.6

[illegible]

Dome Temp. $+70^{\circ}\text{F}$ Transparency Conditions GoodFocus 12.960Dome Temp. 51.2Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03 43 5 45 W	+46 55	1	8.0	Ko	1-1-1	Set 2 Ho Bin	No desired
00 59 1 35 E	35 37	0-1	9.1	Bo.5	1-1-1	set 2 OB	fine
00 38 E	-12 41	0-2	5.6	G5	1-1/2-1/2	" 2 Ho Bin.	No desired
03 26 2 00 E	29 50	0	8.72	G5	1-1-1	" 2 A.G. 25	L. wk
03 37 2 40 00	0	0	5.2	?	—	" 1	0254 Some Thin Clouds.
03 41					—	" 3	No desired
03 41					3	" 6	
03 41 3 18 E					—	" 9	
					8/8	" 8	O.K.
					4/3		

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

Focussing Belt Broken.
 Will fix this P.M.

Jun. 21 MC SC S MTW STW SW ME
 123.2 +33.6 +61.2 +11.0 +0.4 -11.5 +9.0

Sat June 19 - 300 visitors - 3 lectures - Cloudy: Ho - K

Date ^{Tues Wed 7} June 22-3 1954

Observer Ho - M n

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 04.2	+10 57 37	T-12	E10320	.016	+24.7 +24.3 ad +0.20	21 15	1:05	4
21370	HD 187691	19 46.2	+10 10	"	E " "	.016	+24.2	1:14	1:16	1
	Focus Test	O.T.B.				"	+24.2			1

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

Focus. 12.960

Dome Temp.

Transparency Conditions Good

Haze and Broken cloud, starting 23:45.

Clouded over, 1:20

3434-2

Reading Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						Clouded 11:52 - 0:04	
2 ^h 47 W	+10 49	0	9.5	Ko	1-1-1	Ho Binary - Purposely misguides!	flexure O.K.
0 ^h 48 E	+10 18	0	5.78	F8	2-1	SC Motor Microscope. Scanning - 0.1/3/Front Set 2	practically nothing
					4/3	Set 8	centre to 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	

Date Wednesday June 23-4 1954

Observer H. K.

...Julian Day..2.43.4.9.17.

① 91 53 23.4 34 34.1

[illegible]

Dome Temp. ... + 60 ...

Transparency Conditions..... *Good*

56

117
4341

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 00	-13 51	00-0	9.74	0 _{9.5} ^V	1-1-1	Set 2 - OB* - Very Faint	Good
1 06 E	+30 29	0	8.91	K0	2-2-2	Set 2 - A.G.	Good
0 51 E	+17 01	0-1	8.52	G8	2-2-2	Set 2 - Standard V. . Temp Double Took Brighter	Good
					8/6	Set 8 -	
Flank light needs batteries							
3 FH with E103 w O in refrig							
No HEAT on mirror							
				1		mc sc unc str S S₂ S₂ w NE June 25 June 26 +21.5⁰ +11.8⁵ +19.5⁵ -29.5⁵ +1.5^m -0.5^m +7.6 -32⁵ +8⁵ -26⁵	

Dome Temp.....

Transparency Conditions

Good

Focus.....

High wind started 11^h - observing impractical

Dome Temp.....

E lect. Mean, time clock stopped.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

Date Sun-Mon Jun 27-28, 1954 Observer (Mo)-Mn Julian Day 2434.921
 0 95 42 19.7 3434.1

[illegible]

Home Temp.....61°F

ocus.....12,970

Home Temp.....58°F

Transparency Conditions.....Good

60

Strong wind until 11:00'clock.

1921

1434

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3:47	2 ^h 22 W	+55° 39	11-20	7.5	G8	1-1-11 Ho Bin Set 2	OK
					4/3	Set 8	Sample St. L. Violet
						2 P.H. with E103a-0 in refrig. Heat on Mirror	
						He Scs MW STW S SW HE June 28 -10.9 +68.3 +32.3 +1.2 +99.3 +16.0 -24.0	

Date Mon/Tue June 28-9/54 Observer K-H Julian Day 2434922

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	✓ And.	00 42.0	23 43	"	"	"		03 13	03 15	
								03 16	3 20	
							21.3	03 21	03 29	
								03 30	03 46	
	→ Focus Test		0.713			"				

Room Temp.....60°F

Transparency Conditions..... Poor - Hazy at 2100
Good at 2230

62

3 P.H. Loaded E103a0 in trip
No heat on M.

63

① 97 36 47.8 3433.8

Dome Temp.	6
Focus	12.9
Dome Temp.	
Hour Angle End	D
33E 15S	
43E 12	

ome Temp. 65°

ocus 12.971

ome Temp.

Transparency Conditions Broken Cloud to 23.00 hrs
64

123

118

Ending Time
R.T.T.

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

23 46

1	33 E	+55	38	20	7.5	G8 2-2-2	Set 2 Ho Bin	weak
---	------	-----	----	----	-----	----------	--------------	------

0104

3	43 E	+29	49	10	8.72	G5 2-2-2	Set 2 AG. Clouds {00 58 - Clouded in * gone 00 25 - 55	too weak
---	------	-----	----	----	------	----------	---	----------

8/6

OK

4 P.H. 10³a 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

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Star Angle Inch
{ 21381	HD 172403 BD -9° 4790	18	34.9 -09 74	1-12	E103a-O	.016	27.0	21 20	21 45	4	13E -
{ 21382	"	"	"	"	"	"	"	21 50	23 06	4	11RE -
21383	HDE 227704 BD +34.3874	20	02.9 +34.38	"	"	"	26.9	23 19	00 19	1	15E +2
	Form, Inst.		0.7.13.			"					

Dome Temp. 72Focus 12.971

Dome Temp.

Transparency Conditions Some cloud until 22 30

66

25

3-5

Reading Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 45	2 33 E	-9 08	00	9.28	B9: Ia	1- Set 2 ⁰¹³ Had to wait for field Wrong star	Too Wh
23 28	1 12 E	-9 12	"	"	"	1-1-1 Set 8 OB	Too Wh
00 19	1 25 E	+34 48	00	8.8	B. III	1-1-1 Set 2 OB 10 min of cloud. 2350 cloud.	Too Wh
					4/3	" 8	Ctr 5/16 V.
						0028 SKy Solid A few spots of rain, I think. Quite Windy	
						2 P. H. 103a-0 +5? 0100 Still Solid	
						No Heat. on M.	
						July 2. ^{MC} +7.4 ^{SC} +31.0 ^S +4.1 ^{MTW} -21.2 ^{STW} +0.3 ^{SW} -33 ^{ME} 0.0	

Date July 2-3, 1954 Observer M. n. 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
{ 21387	"	"	"	"	"	"		3:21	3:25	3
{ 21388	"	"	"	"	"	"	+19.5°	3:25	3:35	3
{ 21389	"	"	"	"	"	"	+19.6°	3:35	3:51	3
	Focus Test	O.T.B.		"	"	"	+19.5°			3

Dome Temp....+57°F....

68

926
3433.3

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2:16	0 ^h 21 W	38° 52'	0	7.7	B ₂ III	2-2-2	Star transited at 1:55 OB - hazed over, 1:44-2:04	Fine
3:10	0 ^h 52 E	17° 00	$\frac{1}{2}$	8.52	G 8	2-2-2	Standard Vel.	Fine
3:24			0	6.2	K ₀	—	Set 1	Nothing
3:25			0	"	"	—	" 3 $\frac{2}{3}$	Nothing
3:35		24° 02	0 $\leftrightarrow$ 1	"	"	3-3	Star dimmed occasionally due to light cloud.	Good
3:51	2 ^h 29 E		1	"	"	—	" 9	Str.
						8/6	" 10 $\frac{1}{2}$	Centre slightly to red.
							1 P.H. 103a-0 unspotted +4 in refrig.	

Sat July 3 Almost solid clouds - moon & Venus briefly visible at horizon
 S-MO 1240 minutes
 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-12 $\frac{1}{2}$	E103-a-D	set 0.016	+21.2	00 04	00 56	4
21388	HDE 229059	20 17.5	+37 05	"	"	"	+21.0	01 30	03 30	"
21389	♄ 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	O.T.B.				"				4

Dome Temp. +64°F.

Focus 12.971

Dome Temp.

Transparency Conditions Good after cloud dispersed at

11:45 EST

76

927

34331

Ending Time
L.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 56	40E +34 47	10	8.8	Bo III	1-1-1	Set 21 O.B. prog.	Strong
03 30	40W +37 15	0	10.2	B.5 Iap	1-1-1	" 8 " " Star is orange in 74" eyepiece.	Strong
03 55	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.	th sl. to rial.

Sun July 4-5

Cleared briefly at 22^h

+ clouded in again - Ho.

© 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 $\frac{1}{2}$	E103a-O	.016	+23.1°	1:18	1:52	2
21391	HD 223138	23 41.9	+27 52	"	"	1008	+23.0°	2:07	2:31	2
	Focus Test	O.T.B.		"	"	1008	+23.2°			

Dome Temp.....68°F

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

Focus.....12.970

Dome Temp.....64°F

128

3432.9

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
152	2 ^h .01 E	+17° 00	0	8.52	G 8	1-1-1 Set 2 Std. Vel.	good
231	2 ^h .41 E	+28° 10'	0	8.40	M 0	2-3 Set 5 AG-25 ⁻ [8 is 5 minutes of this] Clouded over 2:31. Exposure should have been 57 min. [at slit .016 + 1 comp.]	too weak
					8/6	Set 10 ¹ / ₂	Centre slightly to violet
						2 P.H. loaded. Both are spotted, but incorrectly like plate no. 21323	
						Jul. 5. MC SC S MTW STW SW ME	
						-14 ^s .7 +36 ^s .6 +3 ^s .4 -30 ^s .5 +0 ^m .1 -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. 1900 50	Declination 1900 50	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Expt Angle End
21392	L 1046-18	12 14.3	+03 14	Newt.	E103-d-E	Red Filter		^{h m s} 21 26 48	^{h m s} 21 32 46	1	55W
21393	"	"	"	"	E103-a-0	No Filter		21 43 08	21 46 08	2	48W
21394	NGC 5904	15 16.0	+02 16	"	"	"		21 51 18	21 54 18	1	15W
21395	" 6402	17 35.0	-03 13	"	"	"		22 05 02	22 19 02	2	40E
21396	" 6366	17 25.1	-05 02	"	"	"		22 22 51	22 30 51	1	18E
21397	" 6838	19 51.3	+18 38	"	"	"		22 43 50	22 47 50	2	27E
21398	IC 1276	18 08.4	-07 12	"	"	"		22 57 15	23 23 15	1	08E
21399	NGC 6712	18 50.3	-08 47	"	"	"		23 27 47	23 35 47	2	38E
21400	" 6093	16 14.1	-22 52	"	"	"		23 41 15	23 47 15	1	18W
21401	" 6342	17 18.2	-19 32	"	"	"		23 50 52 ¹ / ₂	00 10 52 ¹ / ₂	2	26 ¹ / ₂ W
21401	Kapte Area 133	17 15.4	-15 02	"	"	"		00 14 49 ¹ / ₂	00 34 49 ¹ / ₂	1	56W
21402	NGC 6402	17 35.0	-03 13	"	"	"		00 48 15	01 02 15	1	69W
21403	" 6712	18 50.3	-08 47	"	"	"		01 05 31	01 13 31	2	12W
21404	" 6544	18 04.3	-25 01	"	"	"		01 17 32	01 31 32	1	204W
21405	" 6626	18 21.5	-24 54	"	"	"		01 34 57	01 40 57	2	56W
21406	" 6656	18 33.3	-23 58	"	"	"		01 43 18	01 45 18	1	48W

Dome Temp. +65°F

Transparency Conditions Good

74

Focus.....

Dome Temp.....

Set 2 4' N.

Bright green auroral arc in northern sky.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 32 43	3 55 W	+03 18 ± 02				Focused on α Serpentis	
21 46 05	4 08 W					Focused on a star near η Virginis	
21 54 18	1 15 W						
22 18 02	0 40 E						
22 30 51	0 18 E					Focused on bright star in field of 6366	
22 47 51	2 27 E						
23 23 15	0 08 E	-07 09 $\frac{1}{2}$					
23 35 47	0 38 E						
23 47 15	2 10 W						
00 10 52	29 $\frac{1}{2}$ W						
00 34 49	56 W					Focused on β Ophiuchi	
01 02 15	0 04 W						
01 12 31	00 W						
01 31 32	2 04 W						
01 42 57	56 W						
01 45 18	1 48 W						

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

(continued.)

Correction to clock is $+2.5$

[illegible]

Dome Temp. 60°F

Transparency Conditions..... Good.....

Focus.....

Dome Temp...+58°F.

Ending Time LST.	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 01 42	2 05 W							
02 39 51	2 01 W						Focused on γ Aquilae.	
02 53 23	3 9 W							
03 05 52	2 52 W							
03 10 34	0 17 W							
03 15 09	0 25 W							
03 24 28	2 47 W							
03 31 16	2 16 W						a fine cloudless night - could work as close to southern horizon as possible Red. Filter in North Pier	

Date July 6-7 1954 Observer S-L-K Julian Day 2434930

[illegible]

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

Flouissed on 8 ophiurus

Reading Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

1 20W

0 16W

0 04W

0 01E

0 58W

passing clouds.

more clouds

cut off by clouds

cut at 23 17

Hn ← 0 15W

*all plates taken thru holes in almost
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 +1.5

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 ⁸	21:37:43	1	4:23 W
21422	L 1046-18	12:14.3	+3° 14	"	E103a-O	—		21:44:55 ⁴	21:48:56	2	4:18 W
21423	NGC 5897	15 14.6	-20° 49	"	"	—		21:52:58 ⁸	22:01:00	1	1:31 W
21424	NGC 6171	16 29.7	-12° 57	"	"	—		22:03:40 ¹²	22:15:40	2	0:30 W
21425	NGC 6426	17 42.4	+3° 12	"	"	—		22:21:00 ¹⁴	22:35:00	1	0:23 E
21426	NGC 6402	17 35.0	-3° 13	"	"	—		22:43:55 ¹²	22:55:56	2	0:05 W
21427	NGC 6712	18 50.3	-8° 47	"	"	—		23:01:10 ⁸	23:09:10	1	0:55 E
21428	NGC 6828	19 51.3	+18° 38	"	"	—		23:13:25 ⁴	23:17:25	2	1:50 E
21429	NGC 6093	16 14.1	-22° 52	"	"	—		23:32:00 ⁶	23:38:01	1	2:05 W
21430	NGC 6426	17 42.4	+3° 12	"	"	—		23:45:14 ¹⁴	23:47:16 ⁵⁹	2	1:01 W
21431	NGC 6402	17 35.0	-3° 13	"	"	—		0:02:50 ¹²	0:14:51	1	1:24 W
21432	NGC 6401	17 35.5	-23° 53	"	"	—		0:18:51 ²⁴	0:42:58	2	1:51 W
21433	NGC 6712	18 50.3	-8° 47	"	"	—		0:47:04 ⁸	0:55:06	1	0:49 W
21434	NGC 6544	18 04.3	-25° 01	"	"	—		0:58:34 ¹⁶	1:14:35	2	1:55 W
21435	NGC 6626	18 21.5	-24° 54	"	"	—		1:17:15 ⁶	1:23:16	1	1:46 W

Dome Temp...

Focus...

Dome Temp...

Date July 7-8, 1954 Observer S. H. M. Julian Day 2434931
Continued

[illegible]

Dome Temp....56°.....

Transparency Conditions Good.....

Focus.....

Dome Temp....53°.....

Ending Time
E.S.T.Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

1:48:56

2:00 W

2:01:50

2:17 W

2:21:35

2:14 W

3:06:27

2:42 W

3:14:32

2:07 W

3:22:32

2:53 W

3:27:42

0:42 W

Focussed on 5 Aquilae 19°03.3, +13°48.3

Seeing very poor first half of night - too
poor to get difficult objects.

July 8 1954
Changed to 25" camera

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

Date July 8-9 1954 Observer L - Mo Julian Day 2434932
 @ 106 11 45.6 3432.2

⑩ 106 11 45.6 3432.2

[illegible]

Dome Temp. $+6.5^{\circ}\text{F}$ Focus 15.700 Dome Temp. $+56^{\circ}\text{F}$

Transparency Conditions

Good

84

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 59 1	0 38W 43 52	1	7.5	K1 IV	4-4-4	O.L.S. Prog.	p. str.
00 25 2	1 50W 02 08	1	8.90	K7 II	4-4-4	O.L.S. Prog.	b. str.
02 56 3	1 49W +54 35	?	8.9 -9.7	Ao	2-2-2	Ecl. Bin	p. str.
					10-7	The star looked just like the ring nebula.	OK
						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 Cygni. There is no use trying to observe any longer. The star looks like this: 	
						3 P.H. loaded with E103 a-O	
						Me SC 4WA STW S SW ME July 9 -17.4 +42.0 -28.2 +1.3^m +12.0 - 0.0	

Fri Sat.

Date July 9-10 / 54

Observer.....-Hv

..Julian Day....24349.33

0 107 08 51.8 3432.2

[illegible]

Dome Temp. 58°F

Focus 15.700

Dome Temp.

Transparency Conditions Good.

Cleaning about 0045 EST.

86

Removed 2 half weights from Dec. Drum.

133

3432.2

Ending Time
E.S.T.

P.E.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

03 24

0221W

54 37

00

8.9
-9.7

Ao

2-2-2

Set. 2

Ecl. Bin.

Dome Turning Failed.

Link

8/6

v 8

OK

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.
21447	MWC 278 HD 184284	17 55.3	4 22	I-25	E10340	008	23.0	22 52	22 54	1
								22 54½	22 58½	
								22 59	23 07	
21448	V805 Aql.	19 00.7	-11 48	"	"	008	22.7	23 17	23 57	2
21449	V848 Cyg	19 54.6	+54 32	"	"	.016	22.7	00 11	00 51	3
21450	MWC 312 180398	19 11.3	+12 56	"	"	.008	22.4	01 10	01 56	4
21451	MWC 346 195407	20 26.0	+36 39	"	"	"	22.4	02 35	03 15	1
21452	MWC 347 195592	20 27.2	+43 59	"	"	"	22.6	03 22	03 44	2
	Focus Test OTB					"	22.5			

Dome Temp. 15.75
Focus 15.75
Dome Temp. 16

Hour Angle
End

W 05^m

20 10 E -

20 09 E +

01 39 W +

1 44 W +

2 12 W +

Dome Temp.

Focus. 15.755

Dome Temp. +60°F

Transparency Conditions

Good

about 300 visitors. Showed 1713 with 74"
 G & Oth with 4" and RASC telescopes.

 34-
 34-32-1
 Reading Time
 E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 54 1		2	4.8	B ₅ re	12	Be, set 1	
22 58 2					12	" 5	fine
23 07	W 05 ^m 4 22				12	" 9	
23 57 2	00 10 E -11 44	1	7.8	A2	4-4-4	Ecl. B ₅ re. Set 5.	Dome Turning Failed fine
00 1 3	00 09 E +54 39	1-0-1	8.9	A0	2-2-2	" Set 5	OKay Now fine
01 56 4	01 39 W +13 03	1	7.7	B ₅ re	4-4-4	Be Set 5	Badly out of focus flexure focusing mechanism would operate in one direction. after 45 min started working again
03 15 1	1 44 W +36 50	1	7.7	B ₅ re	4-4-4	Be Set 5	fine
03 44 2	2 12 W +44 10	1	7.2	B ₅ re	4-4-4	Be Set 2	fine
					10/7		OK
					2 PH	103 a/c	

Date 1954 Jul. 11-12 Sun - Mon Observer M. - H. Julian Day 2424935
 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	219E
21455	HD 125044 92	20 07.8	+26 11	"	"	"		21 57	22 03	1	
	"							22 04	22 12	"	258E
	"						+25.4	22 13	22 29	"	241E
21456	MWC 336 HD 193009 MWC 371	20 12.9	+32 04	"	"	"	+25.3	22 39	22 59	2	215E
21457	HD 205060	21 27.7	+42 16	"	"	"	+25.3	23 15	23 41	3	249E
21458	V 805 Aquilae	19 00.7	-11 48	"	"	"	25.3	23 49	00 45	4	00 41W
21459	V 548 Cyg.	19 54.6	54 32	"	"	.016	25.3	00 55	02 25	1	41 35W
21460	H.D. 209 296	21 57.2	56 14	"	"	.008	25.2	02 33	* 03 00	2	00 02W
	Focus Test		09.13								
									* $\approx 5^m$ effective exposure.		

Dome Temp. +70°F

Focus.....15.789

Dome Temp.....

Transparency Conditions A few very thin clouds from 21° onwards

5.
22

Ending Time
E.S.T.

01 06 3

01 24 4

02 03 1

02 12 1

02 29 1

02 59 2

03 11 3

00 45 4

02 05 1

03 10 2

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 28 E	-02 15	1	6.4	Ko	4-4-4	0.15 programme	good
2 19 E		1/2	6.9	B3e	4-4-4		fine
		1 1/2	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 -8.5	A2	4-4-4	Ecl. Bin	l. wks
01 30 W	54 39	0	8.9 -9.7	A0	2-2-2	" " Set 5	strong
00 02 W	56 26	0	8.1	B(s)e	4-8 10/7	Hd Be Prog " 5 " 9	too weak
0240 clouds. Plate not entered in programme							OK
2 P.H. E103a-0 No Heat							
July 12							
			MC	S	MTW	S-TW	S
			-19.2	+14.4	-28.7	+1.1	+12.4
							+18.9
							+1.8

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. 7
Focus 15.75
Dome Temp. 67Hour Angle
End

2:13 W

0:54 W

1:12 W

Dome Temp. 71° F

Focus 15.752

Dome Temp. 67° F

Transparency Conditions Good

92

Clouds, then High Wind until 2h.

9.36

3432.3

Ending Time
L.S.T.

P.E.

3:04

3:30

3:46

3:53

4:02

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 relays 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.
						The Spect. heat Light was on all night. - I rechecked my bridge setting - o.k.	(OK)
						3 P.H. with E103-a-0 + 4 in refrig.	

Ry = GHISLAIN ROY

Date Tues July 13-14 1954 Observer Hel - H Julian Day 2434937

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	E103a0	008	+28.0	20 47	20 49	2
								20 50	20 54	
								20 54	21 02	
21465	HD 144579	16 01.5	+39 24	"	"	"	+28.0	21 10	21 48	3
21466	HD 158614	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	HD 166620	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. 184398-9	19 29.2	55 31	"	"	008	27.8	02 09	03 01	1
	<u>6 mm</u>	<u>Photo</u>			<u>0.813</u>					

Dome Temp.
Focus 15.83
Dome Temp.Hour Angle
End

W 26

W 102

W 15

W 21

W 34

W 47

W 14

W 25

Dome Temp. 71°
 Focus 15.834
 Dome Temp. 66°

Transparency Conditions O.K.

94

37
1432.4

Ending Time
E.S.T.

20 49 2

20 54

21 02

21 48 3

22 15 4

22 24

22 35

22 51 1

22 54 2

22 58 2

23 33 2

00 42 3

01 31

02 30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
		0	5.03	G0V	12	OLS mag 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
W 15 ^m					12	" 9	Good
			4.17	G5 IV	12	OLS " 1	Strong
					12	" 5	Fine
W 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	7.8/8.5	A2	4-4-4	Ecl Bin	Good
01 14 W	54 39	1	8.9/9.7	A0	2-2-2	" " " 5	Strong
02 40 W	55 38	0	7.6	cG8	4-8	fb Bin " 5	Good
					10/7	" 9	little to
						3 P.H. + 8	No heat. (OK) the red.

0020 A few clouds

0220 Cloud + Haze were in
 0255 * almost invisible.

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

© 111 54 59.0 3432.7

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.	Hour Angle End
21472	V805 Aquilae	19 00.7	-11 48	I-25	E103a-0	set 0.008	+27.0	22 14	23 14	2	0 38 E.
	Focus Test	O.T.B.					+26.8		? < (X)		
21473	V548 Lyr MWC 402	19 54.6	+54 32	"	"	.016	+26.7	01 08	02 18	3	1 34 W.
21474	223501	23 45.0	+61 39	"	"	.008	+27.0	02 36	04 00	4	0 35 E.
	Focus Test	O.T.B.		"	"	"	+26.8				

97

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	E103a-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 47 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. +6
Focus 15.74
Dome Temp. -5Hour Angle
End

0:30 W +

0:44 W -

0:58 W +

1:44 W +

1:14 W +

1:24 W +

0:12 E +

0:42 E +

Dome Temp. +64°F

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

Focus... 15.741

Dome Temp. +57°F

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 17 1	01 34 W	+14 35	0	7.52	Ko	4-4-4	Star for MR	fine
0 31 2	0 ^h 44 W	-11 42	0	7.8 - 8.5	A2	4-4-4	Ecl. bin.	weak
1 12 3	0 ^h 58 W	+58 28	0	7.70	Ks	4-4-4	Std. Vel. Set 2	weak
2 24 3	1 ^h 44 W	+54 39	0	8.9-9.7	AO	2-2-2	Ecl. Bin. Set 8 Some light cloud.	good
2 34 10			1	4.9	B ₂₅ ex	12	Hd Be Set 1	fine
2 38 0			1	"	"	12	" " 5	
2 45 4	1 ^h 14 W	+45 57	1	"	"	6-6	" " 9	
2 52 20			1	5.2	B ₃ ne	12	Hd Be Set 1	good
2 57 15			1	"	"	12	" " 5	
3 07	1 ^h 24 W	+45 59	1	"	"	6-6	" " 9	
3 37	0 ^h 12 E	+49 57	1/2	6.8	Ave	4-4-4	Hd Be Set 1	Strong
3 58	0 ^h 42 E	+46 09	1/2	6.5	B ₃ ne	4-4-4	Hd Be Set 7	Strong
						10/7	Set 10 1/2	OK.
							2 P.H. with E 103 a-o.	
							Jul. 16 MC SC S MTW STW SW ME	
							-21.8 +40.3 +7.1 -40.8 -0 ^m +20.5 -1.8	

Date *1954 July 16-17* ^{Fri-Sat} Observer *Ry - K* ^{H₂} 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.	Hour Angle End
21483	HD 168461	18 14.7	-12 13	I-12	E103a0	<i>Set</i> .016	23.0	21 17	23 51	3	01 05W
21484	HDE 227704	20 02.9	+34 38	"	"	"	23.0	00 08	00 48	3	00 03W
21485	HD 223138	23 41.9	+27 52	"	"	.008	22.8	01 02	01 50	4	2 34E
21486	HD 28	00 00.2	-06 16	"	"	"	23.0	02 00	02 06	1	—
	"	"	"	"	"	.016	23.0	02 08	02 38	1	2 04E
21487	HD 240165	22 58.0	+56 39	"	"	"	22.8	02 45	04 01	2	0 21W
	Focus Test	OTB		"	"	"	22.8				

Dome Temp. $+62^{\circ}\text{F}$

Transparency Conditions

Fair

100

July 14 changed to $12\frac{1}{2}$ 25th 100s Focus 15.741 F- 12.970
Silt 23.15 12 $\frac{1}{2}$ T- 20.35

[illegible]

Date 1954 Jul. 18-19 Sun. Mon. Observer M. - H ✓ Julian Day 243494.2

0 115 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 40W
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	"	015W
21492	H.D. 30353	04 41.8	43 03	"	"	.008	26.1	03 02	03 52	1	0535E
Focus Test					0.7.B						

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.

42
348Ending Time
R.S.T.

P.E.

21 38 3

23 00 "

23 17 4

02 45

03 52 1

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 13W	+45 29	-1	7.64	F3	2-2-2	Set 2 KAFS	Strong
3 40W	+45 05	1-0	9.17	G5	1-1-1	" 8 KAFS	Strong
0 46E	+58 27	2	7.70	K5	1-1-1	" 2 Std. Vel.	Strong
0 15W	+38 17½	0	9.9	B. II	1-1-1	" 8 OB.	clouds for 15 min. Occasional Clouds after 1300 Fine
0 52E	43 12.5	0	8.3	Gop	2-2-2	" 2 Bidelman's *	Fine
					8/6	" 8	

3 P. H.

No flut,

July 19

4C	6C	MTW	SW	S	SW	NE
24.15	75.8	45.58	-1	+12.2	+9	+1.8
-36.8	+49.8	-24.3				

Dome Temp. $+68^{\circ}\text{F}$

Focus. 12.971

Dome Temp. $+67^{\circ}\text{F}$

Transparency Conditions.....

Start delayed by clouds at sunset.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 25	0 47 E	23 58	1	9.0	B.Ia	1-1-1 Set 2 OB prog some light clouds 4/3 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

Focus.....12-971.....

Dome Temp.....68°F

Transparency Conditions.....

[illegible]

Date 1954 Jul 21-22 Wed-Thurs Observer Mo - K Julian Day 2434945

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.	Hour Angle End
21497	HD 172403	18 34.9	-09 14	I-12 $\frac{1}{2}$	E103a-0	set 0.016	+25.0	21 14	23 14	1	0.16W
21498	HD 187691	19 46.2	+10 10	"	"	"	+24.9	23 21 15	23 23 15	"	0.46E
21499	HD 188439	19 50.1	+47 34	"	"	0.008		23 38 $\frac{1}{2}$	23 41 $\frac{1}{2}$	2	
	"					"	+24.8	23 42	23 48	"	0.24E
	"					"	"	23 48	00 00	"	0.12E
21500	BD +38° 4032 HD 193855	20 17.4	+38 42	"	"	"	+24.8	00 12	00 38	3	0.02E
21501	BD +38° 4069 HDE 229234	20 20.3	+38 12	"	"	0.016	+24.7	00 50	02 02	"	1.20W
21502	f And.	00 42.0	+23 43	"	"	.016 0.008		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	"	2.13E

Dome Temp. +71°F

Transparency Conditions Good

108

Focus 12.971

Dome Temp.

945

3437.1

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 14	0 016W	-09 09	0	9.28	B _g :Ib:	1-1-1	Set 2 OB	Fine
23 23 15	0 46E		1	5.78	FB	3	" 8 Std Vel	Strong
23 41 1/2		+47 40	1	6.7	B _{as} 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 OB.	Strong
02 02	1 20W	+38 20	0	9.4	O _{9.5} III	1-1-1	" 8 OB	Fine
16			0	5.2	K ₂	-	" 1 Ho Ecl. Bin.	No Good slit .016 { OK.
19			0			-	" 3	
02 22 X III			0			6	" 6	
			0			-	" 9	
			0	"	"	-	" 1 " "	
02 27			0			-	" 3	Excess Disced
02 30			0			6	" 6	
02 35			0			-	" 9	
02 52	2 13E	+24 00	0			-	" 9	

Date Jul 21-2 (cont) Observer K Julian Day 24349.45

0118 35 38.9 3437.1

[illegible]

Transparency Conditions

Changed to 25"

25 is Focus 15.722 $12\frac{1}{2}$ " was
Silt 23.15

Gravel 12.971
Silt 20.35

63 56

Date Thurs-Fri July 22-23 / 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.H.	Hour Angle End
21505	V 566 Oph	17 51.9	+05 00	I 25	E103a0	lit .016	+22.9	21 09	21 49	3	20 25 E
21506	V 805 Aql	19 00.7	-11 48	"	"	lit .008	+22.9	22 00	23 10		10 11 E
21507	J And	00 42.0	+23 43	"	"	"	+22.9	23 20 ^{4m}	23 24	4	35 37 E
								23 25 ^{8m}	23 33		35 28 E
								23 34 ^{16m}	23 50		35 11 E
								23 52 ^{50m}	00 42		24 19 E
21508	V 548 Cyg	19 54.6	+54 32	"	"	lit .016	22.6	00 57	02 27	1	23 15 W
21509	H.D. 209296	21 57.2	56 14	"	"	.008	22.6	02 36	03 52	2	21 32 W
	Focus Test		07 B								

Dome Temp.....61.....

112

Ending Time E.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 49	3	00 25 E	+04 49	0	7.8/8.1	F5	2-2-2	Set 2 Eclipsing Binary.	Lwh.
23 10		00 11 E	-11 43	0-00	7.8/8.5	A2	2-2-2	Set 8 Eclipsing Binary (Placeholder 2 should be fixed)	Lwh.
23 24	4	05 37 E	+24 01	0	6.2	K2 III _p		Set 1 Ho Binary (Quidding may be bad: spectrum + slit in eyepiece)	as
23 33		05 28 E		0			6	Set 3	As
23 50		05 11 E		0				Set 6	As
00 42		04 19 E		0				Set 9	
02 27	1	02 15 W	54 40	0	8.9/9.7	A0	2-2-2	" 2 Eclipsing Binary	Binary
03 52		01 37 W	56 29	0	8.1	B(E)c	4-4-4	" 2 Hd. Be.	Lwh.
					15/10				
								2 P.H. + H	sl. to red.
								No Heat	
1954 Jul. 23 MC SC S MTW STW SW ME									
								-27.1 ^s +42.2 ^s +02.9 ^s -70.3 ^s -0.7 ^m +29 ^s -5.2 ^s	
								-0.4 ^m -0.3 ^m 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.H.	Hour Angle End
21510	V 566 Oph	17 51.9	+05° 00	T-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 03 W 5
21512	MWC 320	19 41.3	5° 44	"	"	Set 1008	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	008 E +
21514	MWC 395 HD 217543	22 56.3	+38° 10	"	"	"	23.7	2 36	2 52	1	0 19 E 13
21515	S 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 38	2	1 19 E
21515 F F.T. Focus Test	0.5 T. B7			"	Hi-Speed	"	23.7			1	

Dome Temp. $+70^{\circ}\text{F}$ Focus 15.770 Dome Temp. $+64^{\circ}\text{F}$ Transparency Conditions *Good*

114

Clouds at end

Start delayed by bank of clouds

Ending Time LST.	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	3	0 02 W	54 39	01	$8.9/9.7$	A0	1-1-1	" 8 " " more clouds	OK
2 14	4	2 19 W	+5 54	0	8.5	Bone	4-4-4	Set 2 Hd Be	Good
2 30	4	0 08 E	+4 28	0	5.93	K0	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 09	2		+24 00	0	"	"	—	" 3 "	desired
3 17	2			0	"	"	6-6	" 6 "	
3 31	2	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, Mn.

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

Date San. July 25²⁶ 1954 Observer L - H^{MK} Julian Day 2434949
 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.	Hour Angle End
21516	V 566 Oph	17 51.9	+05 00	I-25	E-103a-O	0016	26.0	21 13	22 19	3	00 20 W - 5
21517	V 805 Agy ^L	19 00.7	-11 48	I-25	"	"	26.1	22 28	23 04	3	00 04 E -
21518	V 548 Cyg	19 54.6	+54 32	I-25	"	"	26.0	23 23	00 43	4	00 43 W +
21519	H.D. 225 095	23 58.3	55 00	"	"	008	26.1	00 57	01 29	1	02 36 E 5
21520	" 12302	01 55.6	59 12	"	"	"	26.0	01 37	02 47	1	03 16 E 5
21521	" 30353	04 41.8	43 06	"	"	"	26.2	02 56	04 02	2	04 47 E 4
Long 1st					O7.B.						

Dome Temp. 74.°F

Transparency Conditions.....

Focus.....15.802.....

Dome Temp. 66.°F

440.8

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 19 3	00 20 W	+04 59	0-1	7.8/8.1	F5	1-1-1	Set 2 Ecl. Bin. passing clouds	OK
23 04 3	00 04 E	-11 42	0-1	7.8/8.5	A2	1-1-1	Set 8 Ecl. Bin. some light cloud.	OK
00 43 4	00 43 W	+54 38	0-1	8.9/9.7	A0	1-1-1	Set 2 Ecl. Bin.	OK
01 29 1	02 36 E	55 16	2-3	7.6	B1c	2-2-2	" 2 Hd. Bē	} Fine Good Z. Weak
01 47 1	03 16 E	59 25	1*	8.2	B3e	2-2-2	" 8 " " * Average. 0-1-2+	
02 22 2	04 47 E	43 11	0	8.3	Gop	2-2-2	" 2 Bidelman's *	
						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	E10340	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	V566 oph.	17 51.9	+5 00	"	"	016	+29.1	21 23	22 03	1	W 7 ^m
{ 21525	V805 Aql	19 00.7	-11 48	"	"	008	+29.0	22 10	23 10	1	W 6 ^m
{ 21526	MWC 312 HD 180398	19 11.3	+12 56	"	"	"	+28.8	23 16	0 16	2	1 02 ^m W
{ 21527	MWC 350 HD 196712	20 34.0	-2 46	"	"	"	+28.9	0 23	0 35	2	0 02E
21528	V548 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	DTB		"	"	"	+28.7				

K

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

correction 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	2 39W
21531	NGC. 6254	16 54.5	-4 02	"	"	—		21:57:12	22 03 12	2	1 15W
21532	NGC. 6356	17 20.7	-17 46	"	"	—					
21532	NGC. 6712	18 50.3	-8 47	"	"	—		22:23:52	22:43:52	1	0 00
21533	NGC 6838	19 51.3	+18 38	"	"	—		22:49:26	22:53:26	2	0 51E
21534	NGC. 6535	18 01.3	-0 18	"	"	—		23:		1	
21534	NGC. 6366	17 25.1	-5 02	"	"	—		23:16:42	23:36:42	1	2 19W
21535	NGC. 6712	18 50.3	-8 47	"	"	—		23:41:26	0:01:26	2	1 19W
21536	NGC. 6838	19 51.3	+18 38	"	"	—		0:06:37	0:12:37	0	0 58W
21537	NGC 6779	19 14.6	+30 05	"	"	—		0:21:02	0:29:02	1	22W
21538	NGC. 6205	16 39.9	+36 33	"	"	—		0:39:42	0:41:42	1	4 09W
21539	NGC. 6712	18 50.3	-8 47	"	"	—		0:47:17	01:07:17	2	2 24W
21540	NGC. 7089	21 30.9	-01 03	"	"	—		01:32:30	01:33:30	1	0 10W
21541	NGC. 6838	19 51.3	+18 38	"	"	—		01:42:22	01:48:22	2	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	1 34E

Dome Temp. +7
Focus
Dome Temp.

Dome Temp. $+78^{\circ}\text{F}$

Transparency Conditions

Focus

Dome Temp.

Focussed on α Herc.Set $6^{\circ}\text{H}^{\circ}\text{N}$

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21:48:30	2 39 W						
22:03:12	1 15 W						
						NOT VISIBLE	
22:43:52	0 00						
22:53:26	0 51 E					Focussed on γ Sagittae OBSCURED BY HAZE	
23:36:42	2 19 W					Mo guiding	
0:01:26	1 19 W						
0:12:37	0 28 W					Mo "	
0:29:02	1 22 W					Mo "	
0:41:42	4 09 W						
1:07:17	2 24 W					MO FOCUSED ON β AQUARI	
01:33:30	0 10 W					Mo "	
01:48:12	2 04 W					Mo "	
02:08:00	2 19 E					AND. NEBULA Exp. stopped because	
02:58:52	1 34 E					" " Telescope steady	

[illegible]

Dome Temp.
Focus
Dome Temp.

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time
E.S.T.

P.E.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

No plate taken. Clouded out. Poor night - good only
in high dees, and impossible in low dees

July 30 MC_s SC MTW STW S_s SW_s ME_s
 -32.3 +57.9 -5^s +.1^m +14.4 +47.7 +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 Makingood - 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

0 129 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.	Hour Angle End
21543 A	V548 Cygni	19 54.6	+54 32	I-25	E103a-0	set	+24.2	00 24	01 24	1	1 51W +5
21544	HD 193664	20 16.5 ⁴	+66 31 ³¹	"	"	0.008	+24.0	01 38	01 43	2	1 51W +5
	"	"	"	"	"	"	"	01 43	01 53	"	2 02W
	MWC 366			"	"	"	"				
21545	HD 203374	21 16.7	+61 25	"	"	"	+24.0	02 01	02 15	3	1 21W +6
21546	i Pegasi	22 02.4	+24 51	"	"	"	"	02 25 10	02 25 45	4	
								02 26 30	02 27 30	"	
							+24.0	02 30 10	02 32 00	"	0 51W +2
21547	HD 211476	22 12.8 ²	+12 24 ²³	"	"	"	+24.0	02 51	03 31	1	1 40W +1
21548	HD 22377B	23 47.5	+74 59	"	"	"	+24.0	03 42	04 12	2	0 45W +1
	Focus Test	O.T.B.		"	"	"	+24.0			"	

Dome Temp... +78°F.

Transparency Conditions... Excellent

Focus... 15.771

Dome Temp... +63°F.

Ending Time L.S.T.	P.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 24	1	1 51W	+54 40	0+ ^{8.9} -9.7	A6	2-2-2	Set 2 Ecl Bin 1		Fine
01 43	2		+66 39½	2	6.5	F8	—	" 2 OLS (Poor guide)	Good
01 53		2 00W		"			12	" 5 "	Fine
02 15	3	1 21W	+61 38	1+	6.6	Bone	4-4-4	" 5 Be	Fine
02 25 45	4				4.2	F5V	—	" 2 OLS	Strong
02 27 30							12	" 6 "	Too strong
02 3 00		0 51W	+25 08				—	" 10 "	Much too str
03 31	1	1 40W	+12 40	2→1	7.6	G2	4-4-4	" 2 OLS 2 P.H. loaded	Strong
04 12	2	0 45W	+75 15	2	7.4	K5	4-4-4	" 5 OLS	Strong
							15-10	" 10½	O.K.

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

0130 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.I.	Hour Angle End
21549	V 548 Cyg.	19 ^h 54.6 ⁵	+54° 32	I-25	E 103a-0	.016	+23.8	0:35	1:40	3	2:11 W
21550	51 Peg.	22 ^h 52.8	+20° 14	"	"	.008	+23.5	1:49	2:00	4	0:28 E
21551	HD 213014	22 ^h 23.4	+16° 46	"	"	.016	+23.5	2:06	2:56	4	0:52 W
21552	MWC 394 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	0:54 W
21553	Bidelman's Star HD 30353	04 ^h 41.8	+33° 06	"	"	"	+23.5	3:38	4:22	2	3:56 E
	Focus Test O.T.B.			"	"	"				2	

Dome Temp. 68

Focus 15.779

Dome Temp. 65

Dome Temp....68° F...

Transparency Conditions.....Fair.....

Focus.....15.770.....

Heavy Ground Fog.

Dome Temp.....65°F....

Ending Time L.S.T.	P.L.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:40	3	2:11 W	+54° 40	50-51	8.9/9.7	Ao	2-2-2	Ecl. Bin. Set 2	Good
2:00	4	0:28 E	+20° 32	1	6.21	Go	4-4-4	OLS Set 2	Fine
2:56	4	0:58 W	+17° 00	1	8.52	G8	2-2-2	Std. Vel. Set 8	Good
3:08:45	1			1	5.2	B3ne	12	Hd Be Set 1	Good
3:13:45	1			1	"	"	6-6	" Set 5	Fine
3:21:30	1	10:54 W	+48° 26	1	"	"	6-6	" Set 9	Strong
4:22	2	3:56 E	+43° 12	1	8.3	Gop	4-4-4	Set 3	Good
	2						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 ^s +4.2 ^s	

(Mo)

Date 1954 Aug. 3-4 Tues. Wed. Observer MK - K Julian Day 24340.58

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 57 W
21555	V 805 Aql.	19 00.7	-11 48	"	"	0.008	22.2	21 43	22 43	3	00 39 M
21556	V ⁵⁴⁰ 584 Cyg.	19 54.6	+54 32	"	"	0.016	22.3	23 15	00 05	4	0 40 W
21557	MWC 352										
	HD 198 183	20 43.5	+36 07	"	"	0.008		00 13 21	00 14 21	1	-
	"							00 15 34	00 17 34	1	-
	"										
21558	MWC 343						22.0	00 18 39	00 22 39	1	00 32 W
	HD 194 335	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 38 E
							22.2	03 39	04 11	4	0 02 E
	Focus Test	OTB		"	"	"	22.1			3	

Dome Temp. 68°F

Transparency Conditions *Good*

Focus 15.742

Cloud in NW + S 02 30

Dome Temp. 63°F

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 31 3	00 07 W	04 58	0	7.8 8.1	F5	2-2-2	Set 2 Ecl. Bin	Good
22 43 3	00 09 W	-11 46	0	7.8 8.5	A2	4-4-4	Set 7 Ecl. Bin	Good
00 05 4	0 40 W	54 38	0-1	8.9 9.7	A0	2-2-2	Set 5 Ecl. Bin	Fine
00 42 1	—	36 19	1	4.5	B6e	12	Set 1 Be	Fine
01 13 1	—					12	5 "	L. Str
00 22 34 1	00 08 W					12	9 "	Strong
00 37 2	—		1	5.7	B3ne	12	Set 1 Be	Fine
00 46 2	—	37 18				6-6	5 "	Strong
01 04 2	1 13 W					6-6	9 "	Too Strong
03 14 3	0 53 E	39 57	0	8.2	K2 V	4-4-4	Set 2 OLS	Good
03 24 4				6.2	K2	—	Set 1 Ho Bin	{ As Desired
03 29 4						—	3 "	
03 38 4	0 35 E		0			6-6	6 "	
04 11 4	0 02 E	24 00	0			—	9 "	OK.
						15/10	Set 9	FLASHLIGHT NEEDS BATT'S
								4PH - E103a-o + 8

SKUNK GOING BY,
UPWIND 02 127 Perseid Meteors in
about 12 sec 02 24
Northern Lights 02 45

Date 1954 Aug 5-6 Thur-Fri Observer Ry^{Mon} - K Julian Day 2434.960

(MR)

Mr

- K

Julian Day 2434960

© 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 Oph	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	006	+22.8°	21:30	22:30	3	5° 06 W
21563	V 548 Cyg	19 54.6	+54 32	E-25	E-103a-0	016	+22.4°	22:43	23:29	3	0° 12 W
21564	HD 220339	23 17.8	-11 19	I-25	E-103a-0	004	+22.8-6	23:43	03 35	4	0 54 W
21565	HD 16160	02 30.6	+6 25	"	"	"	+22.8	03 47	04 12	4	1-41 E
	Focus Test	O.T.B.		"	"	"	+22.8			4	

Dome Temp. 70°

Transparency Conditions Good

Focus 15.752

Dome Temp. +64°F

3449.2

Ending Time
E.S.T.

P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 ^h 05 W	+4° 59	1	7.5/81	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	7.5/4.5	A ₂	4-4-4	Set 2 Ed. Bin.	good
0 ^h 12 W	+54° 41	1	9A/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 Plate in spotter spotted?	
						It is now in PH H ₃ Yes.	
						3PH-E1030-0 + ? (4+)	

Date Friday Aug 6-7, 1954 Observer L- Ry 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.	Hour Angle End
21566	V 566 Oph.	17 51.9	+05 00	I-25	E-103a0	set .016	22.9	20 30	21 20	1	0 03W
21567	V 805 Aqu.	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 21W
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	"	1 25E
21571	λ And.	23 32.7	45 55	"	"	"		00 55 24	00 56 54	1	
	"						22.9	00 57 34	01 00 34	"	
	"							01 00 42	01 06 42	"	1 45E
21572	α 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	"	0 35W
21573	34 Peg.	22 21.5	+03 53	"	"	"	+22.8	01 50	02 06	7	0 25W

Dome Temp. *69°F*Focus. *15.755*

Dome Temp.

Transparency Conditions. *Good*

134

50.0

Ending Time R.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 20	1	0 08W	04 58	0-1	$78/8.1$	F5	2-2-2	<i>Set 2. Ecl. Bin.</i>	<i>fine</i>
22 26	1	0 05W	-11 44	0-1	$78/8.5$	A5	4-4-4	<i>Set 8 " "</i>	<i>good</i>
23 40	2	0 27W	54 40	0-1	$89/9.7$	A0	2-2-2	<i>Set 2 " "</i>	<i>fine</i>
00 08 45	3		+57 24	1	5.0	G0	-	" 1 OLS Ry guiding	<i>fine</i>
00 12 55							12	" 5	
00 22 3		0 21W					-	" 9	<i>strong</i>
00 31 25	4		+65 56	1+	4.5	K.III	-	" 1 OLS Ry	
00 33 45							12	" 5	<i>strong</i>
00 38 26		1 27 E	+16				-	" 9	
00 56 54	1		+46 11 $\frac{1}{2}$	1+	4.90	G8III-IV	-	" 1 OLS Ry	
01 00 34	"						12	" 5	<i>strong</i>
01 06 42		1 45 E					-	" 9	
01 22 42	2		+28 30 $\frac{1}{2}$	1	4.9	F5	-	" 1 OLS Ry	
01 26							12	" 5 Mo	<i>strong</i>
01 24 15	4	0 35W					-	" 9 Mo	
01 26	1	0 25W	+04 08	1-	6.5	G0	4-4-4	" 5 OLS Mo	<i>fine</i>

Date 1954 Aug. 6-7 Fri-Sat

Observer

Ry

Mo

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.
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	"
21575	δ Pegasi	22 41.7 ⁶	+11 40	"	"	"		02 27 40	02 29 10	3
	"						+22.7	02 29 35	02 32 25	"
	"							02 32 41	02 38 41	"
21576	σ Pegasi	22 47.7 ⁴	+09 18	"	"	"		02 43 55	02 45 25	4
	"							02 46 05	02 51 05	"
	"						+22.7	02 52 10	03 02 50	"
21577	ι Piscium	23 34.8	+05 05	"	"	"		03 12 10	03 13 10	1
	"							03 13 24	03 15 24	"
	"						+22.8	03 15 40	03 19 40	"
21578	η Cass	00 43.0	+57 17	"	"	"		03 52 32	03 53 12	2
	"							03 55 30	03 56 30	"
	"						+22.7	03 57 05	03 59 05	"

Dome Temp.

Focus

Dome Temp.

Hour Angle
End

0 22 W

0 32 W

0 38 W

00 27

02 56 W

00 26 W

00 41 E

Dome Temp.....

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

Focus.....

Dome Temp..... 4'35

4461
3450.0

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 45 2	+23 17 $\frac{1}{2}$	1	4.7	G β III	—	Sat 1 OLS Ry	
02 18 45					12	" 5	fine
02 23 5	0 22 W				—	" 9	
02 29 103	+11 56	1	4.69	F γ IV	—	1 OLS Ry	
02 32 25					12	" 5	fine
02 38 4	0 38 W				—	" 9	
02 45 25 4	+09 35	1	5.5	F δ	—	1 OLS Mo	weak
02 51 00	00??				12	5	fine
03 02 50	02 56 W				—	9	
03 13 0	+05 24	1	4.64	F γ V	—	1 OLS Ry	
03 15 24					12	5	fine
03 14 0	00 26 W				—	9	
03 53 12 2	+57 34	1	4.03	G δ V	—	1 OLS Mo	quivering!!
03 53 3						5	strong
03 59 5	00 04 E					9	

137

Date 1959 Aug 6-7, Fri-Sat

Observer

Ry
140

Julian Day 2434961

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-D	0.008		04 13 45	04 16 45	3
	"							17 10	23 10	"
	"						+22.8	04 23 35	04 35 35	"
	Focus Test	OTB					+22.6			"

Dome Temp.

Focus

Dome Temp.

Hour Angle
End

0.10:11

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

3450.0

Ending Time
R.I.T.

P.E.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

24 16 45 3

- +54 40 1 5.71 G₅V_p - Set 1 OLS Mo

23 0 "

12 4 Ry

24 35 35

0 19 1/2 W - 7 Ry

15/10 10 1/2

strong

Mo

Date Sat-Sun Aug 7-8, 1954 Observer M. O. H. Mo Julian Day 24349.67
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	1-25	Eb3-0	SLT 016	+24.0	22 22	23 06	4	0 03 E
21581	o Draconis	19 32.6	+69 29	1-25	"	008	+23.9	23 14 00	23 17 30	1	
		"	"	"	"	"		23 17 45	23 24 45	"	
		"	"	"	"	"		23 25	23 42	"	0 56 W
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 59.8 ⁷	+16 48	"	"	"		00 33 40	00 36 40	4	
		"		"	"	"		00 37 10	00 43 10	"	
		"		"	"	"	+23.8	00 44 00	00 56 00	"	1 41 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. $+68^{\circ}$

Focus. 15.770

Dome Temp.

Transparency Conditions *Good*

140

About 400 visitors shown M13

Ending Time L.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 02	4	0 03 E	+54 41	2	9.7	A0	2-2-2	Set 5 <i>Eclipsing Binary</i> ^{O guiding} <i>NUMBERED 21581</i>	<i>fine</i>
23 17 30			+69 33	2	5.47	K0		Set 4 <i>OBS</i> ^{Mo guiding} <i>0.616 slit</i> <i>file start on set 1</i>	
23 24 45			"	"	"	"	12 ^s	" 7 7	<i>fine</i>
23 42		0 56 W	"	"	"	"	" 10	14	
23 52 05	2				4.4	G9		" 1 <i>OBS</i>	
23 54 15							12 ^s	" 5 90	<i>good</i>
23 58 00		0 30 W	-12 41					" 9 180	
00 07 35.3				2	5.45	F5		" 1 <i>OBS</i>	
00 11 55							12 ^s	" 5 4	<i>strong</i>
00 20 00		1 22 W	+33 36					" 9 8	
00 34 14			+16 57	2-	6.1	G0		1 <i>OLS</i> <i>Check field. It checks.</i>	
00 47 50							12	5	<i>fine</i>
00 56 11		1 41 W						9	
01 02 30	1	1 31 W	+31 20	1	8.2	B3e	4-4-4	5 <i>MR Be</i>	<i>fine</i>

Date 1954 Aug 7-8 Sat-Sun..... Observer..... Mo..... Julian Day 24349.62
 @ 134 51 24.5 3450.8

Dome Temp.

Focus.....

Dome Temp. 7

[illegible]

Dome Temp.....

Transparency Conditions Excellent
Occasional small cloud.

Focus.....

Dome Temp. +64°F

3450.8

Ending Time
R.T.

P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 45 10	+26 51	2	6.41	G ₂ V		Set 1 OLS	
02 56			5 -		12	5	strong
03 16	0 04W	2+				9 Through clouds for last 4 min	
2					30-20	" 5	all night
						Sky completely covered with clouds by 3:25	
						3 P.M. loaded.	
						1954 Aug. 9 MC SC S MTW STW SW ME.	
						-14.5 -2.5 -12.1 -35.5 -0.6 +5 ^s +3.4 ^s	

Hour	Angle	End
1	10	10
2	20	20
3	30	30
4	40	40
5	50	50
6	60	60
7	70	70
8	80	80
9	90	90
10	100	100
11	110	110
12	120	120
13	130	130
14	140	140
15	150	150
16	160	160
17	170	170
18	180	180
19	190	190
20	200	200
21	210	210
22	220	220
23	230	230
24	240	240
25	250	250
26	260	260
27	270	270
28	280	280
29	290	290
30	300	300
31	310	310
32	320	320
33	330	330
34	340	340
35	350	350
36	360	360

Dome Temp. +6.8° F.

Focus... 15.752

Dome Temp. +6.6° F.

Transparency Conditions Sky cleared, 23h, clouded 0130-1h, cleared again.

64

452.5

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
2h. 37 W	+54° 40	0	8.9 9.7	Ao	2-4	Ecl. Bin. Set 2	Clouded, 1:38. High cloud obscures all but brightest stars. Lightning in west, 1:50	Too wk.
					15/10	Set 9. (I have entered this plate on the program, though I doubt that there is anything on it. Eclered & clouded again, 2-2130		
						4 p.h. with E 103a-0 + 2 in refrig.		
						Aug. 10-11. Many breaks in clouds but none large enough to get a plate. At one time clear sky overhead and rain! Gave up at 4 30 EDT		
						MK - Mo		
						Aug. 11		
						ME -5.5		
						SC -7.4		
						HTW +11.0		
						STW +3.7		
						S -13.4		
						SW +36.5		
						ME +3.2		
						Aug. 11-12. Frequent breaks in clouds, high wind.		
						Clouded in about 3, E.S.T. - Mn.		

Date Thurs - Fri Aug 12 - 13, 1954 Observer MR - K Julian Day 243496.7
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	D
21588	V 566 Oph	17 ^h 51.9 ^m	+5° 00'	I-25	103a-o	^{cut} .016	+20.0°C	20:09	20:59	1	0 10 W	+5
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 12 W	
21591	β Aql	19 50.4	+6 09	"	"	^{alt} .008	+19.9	22 49 52	22 50 40	3	-	+
	"	"	"	"	"	"	"	22 51 20	22 52 56	"	-	
	"	"	"	"	"	"	"	22 57 30	23 00 42	"	0 15 W	
21592	δ Egn	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 34	"	0 46 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 39.7	+28 17	"	"	"	19.7	0 38 00	0 39 24	2	-	+
	"	"	"	"	"	"	"	0 40 03	0 42 51	"	-	
	"	"	"	"	"	"	"	0 44 25	0 50 00	"	0 14 W	

Dome Temp. 67
 Focus 15 711
 Dome Temp. 67

Dome Temp. 67°F

Focus 15.711

Dome Temp.

Transparency Conditions Excellent

146

96.7
3455.6

Ending Time R.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20:59	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 23 45	-	+69 33	2	5.47	K0V	-	Set 1 2 ^m OLS	slit seems to
22 29 00	-	-	"	"	"	12	Set 5 4 ^m	be dirty
22 29 00	0 12 W	-	"	"	"	-	Set 8 8 ^m	fine
22 50 40	-	+6 17	2	4.56	98TV	-	Set 1 48 ^s OLS	
22 52 56	-	-	"	"	"	12	Set 5 96 ^s	fine
23 00 42	0 15 W	-	"	"	"	-	Set 9 3 ^m 12 ^s	
23 00 42	-	+9 49	2	4.9	F5	-	Set 1 66 ^s OLS	
23 13 32	-	-	"	"	"	12	Set 5 132 ^s	fine
23 20 34	0 46 E	-	"	"	"	-	Set 9 4 ^m 24 ^s	
23 57	0 00	+38 31	2	6.38	K5V	4-4-4	Set 2 OLS assume $M_p = 7.1$	fine
0 23	0 30 W	"	"	"	"	4-4-4	Set 8 " " = 7.5	fine
0 39 24	-	+28 30	1	4.9	F5	-	Set 1 84 ^s OLS	
0 42 51	-	"	"	"	"	12	Set 5 2 ^m 48 ^s	fine
0 50 00	0 14 W	"	"	"	"	-	Set 9 5 ^m 35 ^s	fine

Date Aug 12-13 cont Observer Julian Day 2434967
 0139 39 07.5 3455.6

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.I.	Hour Angle End
21596	L Peg	22 ^h 02.4 ^m	+24° 51'	I-25	103a-0	008	19.7	0 53 45	0 54 30	3	-
	"	"	"	"	"	"	"	0 54 55	0 55 25	"	-
	"	"	"	"	"	"	"	0 56 50	1 00 00	"	0 01W
21597	L Psc	23 34.8	+5 05	"	"	"	19.7	1 04 40	1 05 40	4	-
	"	"	"	"	"	"	"	1 06 30	1 08 30	"	-
	"	"	"	"	"	"	"	1 09 30	1 13 30	"	1 17E
21598	γ Cep	23 35.2	+77 04	"	"	"	"	1 30 35	1 31 20	1	-
	"	"	"	"	"	"	"	1 31 55	1 33 25	"	-
	"	"	"	"	"	"	"	1 36 00	1 39 00	"	0 02E
21599	85 Peg	23 56.8 ⁸	+26 34 ³⁴	"	"	"	19.6	2 27 0	2 33 0	2	0 20E
	Focus Test	OTB		"	"	"	19.6				

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp. +59° F

167

455.6

Ending Time
L.S.T.

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality	
0 50 30	3	-	+25 07	1	4.20	F5V	-	set 1 45 ^s OLS	
0 55 25		-	"	"	"	12	set 5 1 1/2 ^m	guiding fine	
1 00 00		0 01 W	-	"	"	-	set 9 3 ^m 10 ^s		
1 05 40	4	-	+5 20	1	4.64	F7V	-	set 1 1 ^m OLS	
1 10 30		-	"	"	"	12	set 5 2 ^m	good.	
1 13 30		1 17 E	-	"	"	-	set 9 4 ^m		
1 20		-	+77 20	1	4.25	K1 IV	-	set 1 45 ^s OLS	
1 33 45		-	"	"	"	12	set 5 1 1/2 ^m	nothing fine	
1 38		0 52 E	-	"	"	-	set 9 3 ^m	clouding over	
2 33 02		0 20 E	+26 51	1	6.41	G2 V	-	Set 1 6 ^m OLS shot through cloud	Nothing
			"	"	"		Set 5 3:00 No use: cloud too thick		
						15/10	Set 9	all right	
4PH-K103a-a +4 Mc SC Hm STH S SW ME Aug. 13: -11.5 +5.5 +20.5 +.5 -1.7 -19.5 -.7^s									

4PH - K103a - 0 +4
 Mc SC Hm ST4
 Aug. 13 : -11.5 +5.2 +20.2 +.3 -1.7 -19.5 -1.7^s
 S SW ME

Date Fri-Sat Aug 13-14, 1954

Observer

Proc

O. Ry - K

Julian Day 2434968

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	E103a-0	016	+23.2	20 05	21 00	3	0 16W
21601	"	"	"	"	"	"	+23.3	21 00	21 50	"	1 06W
21602	V548 Cyg	19 54.6	+54.32	I-25	E103a-0	016	+23.3	21 57	22 57	4	0 12W
21603	HD 207370	21 43.3	+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	3 14W
21606	51 Peg	22 52.5	+20 14	"	"	"	+22.9	2 13	2	2	1 30W
	Hoens Test	OTB		"	"	"	+23.0				
									2 44 from H&L	2	

Dome Temp. -69
Focus 1575
Dome Temp.

Dome Temp. 69°f

Focus 15.759

Dome Temp.

Transparency Conditions Scattered thin clouds.

150

96.8

3456.8

Ending Time
E.T.

P.E.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

21 03

3

0 16 W

+4 57

1

78.8.1

F5

2-2-2

Set 1. Carl Bin Fount slit at 10! closes

good

21 50

1 06 W

"

0

11

"

2-2-2

11 8

"

good

21 50

0 12 W

+54 40

1

8.9/4.7

A0

2-2-2

11 2

"

PH #3 spots mailed (exposed while

fin

20 47

0 12 W

+31 18
+21 18

1-0

8.2

B3e

4-4-4

Set 9

Mr? Be.
Hd S

Exposing thru. large 0:00hrs on

weak
good

1 5

3 24 W

+33 08

0

7.2

K0

4-4-4

Set 1

OLS

" " "

fin

2 05

3 14 W

+29 46

0

6.4

G8 II

6-6

Set 9

OLS

" " "

fin

2 2

1 00 W

+20 30

0

6.21

G0

6-

Set 1

OLS

Cloud too thick, can barely

good

2 44

2

1 00 W

+20 30

0

6.21

G0

6-

Set 9

OLS

see star on slit 2:20

all in

from H.C.

closing up 3.00

check if 21602 & 21603
on same Plate!

4 PH - E103 a-o + ?

Date *Sun-Mon Aug 15-16, 1954*Observer *O - K*Julian Day *2434970*

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	E103a-0	.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	"	"	Set .016	+24.0	23 09	23 59	3
21611	HD 176051	18 53.3	+32 46	"	"	Set .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	"
								0 59 11	0 59 31	"

Dome Temp.

Focus 15.72

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

Focus... 15.772

Dome Temp...

Transparency Conditions

Cloudy until 21^h. 152

Ending Time L.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 25	3	0 40 W	-11 44	1	7.8/8.5	A2	4-4-	Set 2. Ecl. Bin + Focus 15.759. 1 new night.	good
2 34	4			1+	4.17	G5 IV		Set 1 35 ^s OLS are not working well.	fine
2 36				"	"	"	5	70 ^s	
2 39		2 11 W	+27 44	"	"	"	12 ^s	9 140 ^s	
2 41	1			1-2	5.56	F8		" 1 2 ^m - OLS	
2 53				"	"	"	12 ^s	" 5 4 ^m	strong
2 52		2 15 W	+30 33	"	"	"	9	8 ^m	
23 59	3	3 23 W	+5 00	1	7.8/8.1	F5	2-2-2	" 8 Ecl Bin	fine
0 07	2		+32 51	2	5.7	G6 V	—	" 1 2 ^m OLS	
0 11	20						12	" 5 4	guiding 1 fine
0 19	41	2 43 W					—	" 9 8 ^m	Phase adjust
0 25	58		+11 52		5.8	G8 IV	—	" 1 2 1/2 ^m OLS	iron arc
0 31	18						12	" 5 5	strong
0 41	32	2 37 W		2				" 9 16	
0 49	16				2.60	F2 IV		" 1 4 sec OLS	
0 59	47						5	9"	fine
0 59	31						9	20"	

Date Aug. 15-16 (cont.) Observer O - K Julian Day 2434970
 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.	Hour Angle End
21614	B Leo	0 03.8	+58 36	1-25	F103a-0	Set .008		1 02 36	1 02 42	1	
	"							1 03 01	1 03 15	"	
	"							1 03 38	1 04 08	"	144E
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	"	24E
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 08	3	0 11E
21618	HD 30353	4 41.8	+43 06	"	"	"	24.0	3 25	4 15	4	3 11E
	Thurn Test	OTB		"	"	"	24.0			"	

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 Oph	17 51.9	+05 00	I-25	F103a0	^{Set} 016	+21.5	20 01	21 04	1	00 31W
21620	{ Y 805 Aql	19 00.7	-11 48	"	"	^{Set} 008	+21.5	21 13	22 30		20 48W
21621	{ HD 193664	20 16.4	+66 31	"	"	"	+21.7 +21.7	22 48	23 06	2	20 12W
21622	{ HD 220339	23 17.8	-11 19	"	"	"	+21.5	23 20	02 50	"	0 53W
21623	{ HD 214850	22 35.9	+14 01	"	"	"	+21.2	03 01	03 13	3	1 57W
21624	{ HD 217166	22 53.5	+08 50	"	"	"	+21.0	03 18	03 46	"	2 13W
21625	{ V Andromedae	01 30.9	+40 54	"	"	"		03 59 30	04 00 30	4	
	"							04 01 00	04 03 00	"	
	"							04 04 00	04 08 00	"	0 02E
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 11E
	Focus Test	O.T.B.		"	"	"	+21.0			"	

Dome Temp. 6
 Focus 1573
 Dome Temp.

Dome Temp.....

Transparency Conditions *Fair*

156

Gerry - The management wish the 12" camera on for { Tuesday night
August 17th

[illegible]

Date Tues. Aug. 17-18/54 Observer L. Ma Julian Day 243497.2
 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 End
21627	{ HD. 173637	18 41.2	-08 02	I-12½	F-103A0	set .016	+19.9	20 21	21 55	2	0 36W
21628		" 186841	19 41.7	23 50	"	"	+19.9	21 58	22 52	2	0 34W
[21629	BD +35° 3966	20 01.2	35 28	"	"	"	+19.9	22 57	00 07	3	1 29W
[21630	HDE 229238	20 20.4	+38 13	"	"	"	+19.9	00 15	01 41	"	2 45W
21631	HD 202349	21 10.1	+37 21	"	"	0.008	+19.6	01 48	02 02	4	2 16W
[21632	AG 13821	22 54.8	+29 33	"	"	"	+19.7	02 07	03 21	1	1 51W
[21633	HD 9138 No. 507	01 24.9	+05 38	"	"	"	+19.7	03 28	03 32	"	0 29E
21634	{ BD +47° 809	03 14.7	+47 36	"	"	"	+19.8	03 46	04 34	2	1 18E
		Focus Test	O.T.B.	"	"	"	+19.9			"	

Dome Temp. +
 Focus 12.9
 Dome Temp. +

Dome Temp. $+68^{\circ}\text{F}$

Focus 12.971

Dome Temp. $+54^{\circ}\text{F}$

Transparency Conditions *Good*

Aug 17 Changed to $12\frac{1}{2}$ " Camera 25" was Focus 15.732 $12\frac{1}{2}$ " is Focus 12.971
Tilt 23.15 Tilt 20.35

Ending Time R.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 55	2	0 36W	-07 59	0	9.63	B, V	1-1-1	Set 2. O.B. prog.	fine
22 52	2	0 34W	23 58	0	9.0	B, I _A	1-1-1	" 8 " "	strong
00 07	3	1 29W	35 38	0	9.1	B _{0.5} V	1-1-1	" 2 " "	fine
01 41	"	2 45W	+38 20	1	9.6	B _{0.5} I _b	1-1-1	" 8 " "	fine
02 02	4	2 16W	+37 34	1	7.2	B _{0.5} V	2-4	" 2 " "	strong
03 21	1	1 51W	+29 50	1-0	8.72	G ₅	2-2-2	" 2 AG 25	good
03 32	"	0 29E	+05 32	1	6.19	K ₄	6	" 8 Std. Vel. Star within 10° of moon during exposure.	good
04 34	2	1 18E	+47 43	0+	8.3	A ₀	2-2-2	" 2 α Persei	strong
							8-6	" 10 $\frac{1}{2}$ The finder-field circle for α Persei cluster is broken.	all right

4 P.H. Loaded
 Aug. 18 He SC MTW STW SW S M E
 -9.3 +8.2 +18.2 +1.1^m +12.0^s -2.0 +2.3^h

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	I-12	E103a-0	.016	+24.8	20 12	21 52	3	0 41 W
21636	HDE 227704	20 02.9	+34 38	"	"	"	+24.8	21 56	22 26	3	0 05 E
21637	HDE 229221	20 20.1	+38 11	"	"	"	+24.7	22 33	23 43	4	0 55 W
21638	HDE 229239	20 20.4	+38 11	"	"	"	+24.6	23 45	0 45	4	1 57 W
21639	HD 205316	21 29.4	+25 28	"	"	.008	+24.7	1 02	2 02	1	2 05 W
21640	AG 13821	22 54.8	+29 33	"	"	"	+24.4	2 10	3 10	1	1 47 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 43 W
	Focus Test	O.T.B.		"	"	"	+24.3			2	

Dome Temp.

Focus 12.9

Dome Temp.

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

Focus. 12.972

Dome Temp. $+60^{\circ}\text{F}$

Transparency Conditions

good

Scattered cloud 1:15 on

3465.7

Reading Time R.A.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 52	3	0 41 W	- 9 21	0	9.7	B ₉ I	1-1-1	Set 2 OB	weak
22 26	3	0 05 E	+34 46	1	8.8	B ₀ III	1-1-1	" 8 OB	good.
23 43	4	0 55 W	+38 19	2	9.9	B ₀ I	1-1-1	" 2 OB	good
0 45	4	1 57 W	+38 18	2	9.6	B ₁ I	1-1-1	" 8 OB ← I FOUND SLIT SET AT	good.
2 02	1	2 05 W	+25 39	1+2	8.68	K ₀	2-2-2	Set 2 AG <u>0.006</u>	comparing good
2 10	1	1 47 W	+29 49	1-0	8.72	G ₅	2-2-2	" 8 AG	weak. I weak
4 15	2	0 28 E	+28 ¹⁸ 18	1	8.56	G ₀	2-2-2	Set 2 AG	fine
4 40	2	1 43 W	+39 56	1	8.52	K ₅	1-1-1	" 5 Std. Vel	fine
	2						4/3	" 9	all right

3 PH - F1030-0 +4
 HC SC RTW STW S SW HE
 Aug. 20 -16^s.2 +19^s.1 +17^s.8 +.4^m +7^s.3 +33^s.3 +4^s.7

all comparisons

weak. increase by

50%

Dome Temp.....

Transparency Conditions. Clearing about midnight
Scattered clouds all night.

162

575

3467.5

Ending Time
E.S.T.

P. 8

Reading Time L.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
33 01	3	02 50W	+43 12	0	10.2	Bok	1-1-1	sel 2 Matthews Island	strong
00 45	11	00 14W	+54 55	0	8.9	C-B _{2.5}	2-2-2	5 Matthews	strong
							8/6	9	
								2 PH + 4	

Date Lat-Sun Aug 21-22, 1954 Observer MR - K Julian Day 2434976
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	E1032-0	^{net} .016	+24.4	22 33	23 33	4	1:10 W
{ 21646	HDE 229221	20 20.1	+38 11	"	"	" [✓]	+24.2	23 44	1 14	4	2:34 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 49 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. $+66^{\circ}\text{F}$

Getting quite hazy 0:45

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

4235Y

164

Leading Time R.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 33	4	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
1 29	30	—	+60 13	1	5.3	Bo. 5.6	4	Set 2 Std. Vel 30 ^s	
1 31	13	—	—	1	"	"	4	" 5 " 60 ^s	fine
1 35	30	1 48 W	—	1	"	"	4	" 8 " 2 ^m	
2 26	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 Haze is clearing a little 2:45 Can't see star on slit 3:26	
								3PH - E103a-o + o	

Date Sun-Mon Aug 22-23 '54 Observer MR - K Julian Day 2434977
 ☉ 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	+23.2	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 28E +
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 15E +
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. 4
 Focus 12.97
 Dome Temp. 4

Dome Temp. $+68^{\circ}$

Focus.....12.971.....

Dome Temp. +63°F.

Transparency Conditions..... *Olds at summit, charging about 21^h.*

Scattered cloud and haze in S & W
0:15 clearing 1:00

[illegible]

Date Tue-Wed Aug 24-25 1954 Observer MR-Hr Julian Day 2434979

① 151 11 50.9 3474.3

[illegible]

Date Thurs-Fri Aug 26-27, 1954 Observer O, Mk - 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-O	cut 00.8	22.4	19 46	19 47	1	
								19 48	19 49		
								19 50	19 51		01 13W
21659	2 Her	16 39.5	+39 07	"	"	"		19 59	20 00	4	
								20 00	20 01		
								20 02	20 05		01 25W
21660	72 Her	17 16.9	+32 36	"	"	"		20 15	20 24	2	1 06W
21661	17 Cyg	19 42.6	+33 30	"	"	"	+22.3	20 31 ⁴⁰	20 33 ⁴⁰	1	
	"							20 34	20 38		
	"							20 39	20 47		0 58E
21662	V 805 Aql	19 00.7	-11 48	"	"	"	22.3	20 51	21 51	3	00 50W
21663	V 548 Cyg	19 54.6	+54 32	"	"	0.016	22.3	22 14	23 14		01 19W
21664	HD 211476	22 12.2	+12 23	"	"	0.008	22.0	23 33	00 15	4	0 02W
21665	HD 207966	21 47.9	+41 54	"	"	"	21.8	0 25	2 15	4	2 27W
21666	HD 220334	23 17.8	+20 01	"	"	"	21.8	2 25	2 49	1	1 3W
21667	HD 217166	22 53.5	+8 50	"	"	"	22.0	2 57	3 19	1	2 25W

Dome Temp. 50°

Focus 15792

Dome Temp.

Dome Temp. 60°F

Focus 15.742

Dome Temp.

Transparency Conditions

good

170

Aug 26 Changed to 25"

12" was { Rows 12-972 25" is { 15.725
Tilt 20.4 23.15

Ending Time L.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 47	1			0	3.46	G0 IV		Set 1 20' OLS	
19 49							12	5 40	good.
19 51		01 13W						9 80	
20 00	4			0	4.2	G8		1 40 " Calib bad.	
20 01					4.		12 ^s	5 80	good
20 05		01 25W						9 160	
20 24	2	1 06W	+32 30	0	6.01	G0	4-8	" 2 " Calib bad.	good
20 33	1			0-1	5.45	F5		" 1 2 ^m "	fine
20 38							12 ^s	5 4	
20 47		0 56 E	+33 38					9 8	
21 51	3	00 50 W	-11 43	0	7 ⁸ /85	A2	4-4-4	" 2 Ecl. Binary. Calib Bad.	weak
23 4		01 19 W	+54 40	0	8 ⁹ /97	A0	2-2-2	" 8 Ecl Bin	good
20 54	4	0 02 W	+12 37	0	7.6	G2	4-4-4	Set 2 OLS	too weak
2 15	4	2 27 W	+42 08	0-00-0	8.4	G5	4-4-4	" 8 OLS	Too weak
2 49	1	1 30 W	+20 18	0	7.0	G0	4-4-4	Set 2 OLS	good
3 9	1	2 25 W	+9 06	0	6.9	G0	4-4-4	" 8 OLS	l weak

[illegible]

Dome Temp. 14

Transparency Conditions *Good*

Dome Temp.....

Focus.....

Dome Temp.... 4.55° F

[illegible]

[illegible]

Dome Temp. $+1$
Focus 15.7
Dome Temp.

Dome Temp.....

Transparency Conditions *Haye*

174

Ending Time E.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 51	3	1 02W	04 58	0	7.881	F5	2-2-2	Set 2 Eclipsing Binary	good
21 34	3	0 35W	-11 46	0	7.885	A2	2-2-	" 8 " " Some clouds	good
								Sky clouding over.	
								4 P.H.s loaded + 8	

Dome Temp. 164°F

300 Visitors Showed 13 Cys in 74
+ Mars in 4

176

283

3480.8

Ending Time
E.S.T.

0 30

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1	26W	+15	37	1-2	8.95	45p 4-4-4 Set 2 Harvard "C"-region <i>Stopped 0:20 by cloud.</i>	<i>N. weak</i>
					15/10	" 8 completely cloudy closing up 0:45	<i>all night</i>
3PH - E1030-0 + 8							
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

0

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

0 158 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	T-25	E103a-O	Set 008	+22.0	19 33	19 34	1
	"	"	"					19 34	19 35	
	"	"	"					19 36 ⁴⁶	19 38	141W
21673	7 Ser	18 16.1	-2 55	"	"	"		19 46	19 47	2
	"	"	"					19 47 ¹⁰	19 49	
	"	"	"					19 49 ⁻¹⁰	19 52	0 0E
21674	η Ser	18 51.7	-5 58	"	"	"		19 56 ⁻¹⁵	19 59	3
	"	"	"					20 00 ⁻²⁰	20 07	0 21E
21675	110 Her	18 43.7 ^{41.4}	+20 27	"	"	"	+22.0	20 11 ⁰³	20 12	4
	"							20 12 ²⁰	20 14	
	"							20 15 ⁻²⁰	20 19	0 02W
21676	15 Sge	19 59.7	+16 48	"	"	"		20 26 ⁻¹⁵	20 29	1
	"	"	"					20 29 ³⁰	20 36	100E
21677	6 Cap	20 12.5	-12 51	"	"	"		20 41	20 42	2
	"							20 42 ⁰⁵	20 44	
	"							20 44 ⁰⁷		1 02E

Dome Temp. *+68*Focus *15.740*

Dome Temp.

Transparency Conditions *good*

178

34987

34866

Ending Time
R.T.K = +1^m30^s

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 34 1		0 ⁺	3.5	G8		Std 1 30 ^s OLS * all EST 1 ^m 30 ^s	
19 35		"	"		12 ^s	5 60 ^s slow	<i>fine</i>
19 38	1 41 W +61 35	"	"		9	2 ^m	
19 47 2	-2 56	0 ⁺	4.20	K0		" 1 45 "	
19 49					12 ^s	5 90	<i>fine</i>
19 52	0 0 E				9	3 ^m	
19 59 3		1	5.8	K ₂ III		1 3 1/2 "	<i>fine</i>
20 07	0 21 E -5 55	'			6-6	5 7	
20 12 4		1	466	F6		1 1 "	
20 14		"	"		12	5 2	<i>fine</i>
20 19	0 02 W +20 30	"	"		9	4	
20 29 1		2	6.1	G0		" 1 3 1/2 " South of 2 stars. Checked in HD catalog.	<i>fine</i>
20 36	1 00 E +16 57				6-6	5 7	
20 42 2			4.4	G9		" 1 45 "	
20 44					12 ^s	5 90	<i>fine</i>
	1 02 E -12 42				9	13 ^m	

(CONT'D)

Date Wed. Thru Sat. 1-2, 1954 Observer Ho Julian Day 24349.87

0 158 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 = $+1^m 30^s$		
21678	4 Cap.	20 40.2	-25 38	I-25	E103a-0	1008		20 52 ⁻¹⁰	20 53	3
	"	"						20 54 ⁻¹⁰	20 57	
	"	"						20 57 ³⁰	21 03	13E
21679	m 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	0 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 ⁰⁰	
	"	"						21 41 ²⁵	21 45	0 31E
21682	m 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.....

418.7
3406.6

Ending Time L.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 53	3			0	4.7	F8		271 1 1/2 02.5.	
20 57							12 ^s	5 3	fin
21 02		1 13 E	-25 25					9 6	
21 11	4			2	5.6	K3		" 1 2 "	
21 16					"		12 ^s	" 5 4	fin
21 24		0 19 W	+7 16	3	"			9 8	
21 29	1			3	4.8	F5		" 1 40 "	
1 31					"		12 ^s	5 80	fin
1 34		0 26 W	+50 06		"			9 160	
1 39	2			3	5.0	G0		" 1 50 "	
1 41					"		12 ^s	5 100	fin
1 45		0 32 E	+57 23		"			9 200 3 20	
1 52	3				4.35	K0		" 1 35 "	
1 53							12 ^s	5 70	fin
1 56		0 22 E	+61 36					9 140	

(CONT'D)

Date Wed. Thru Sept. 1-2, 1954 Observer Ho Julian Day 2434987

0158 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.
21683	i Cap	22 46.1	+65 40	I-25	E103a-O	008		22 02 ⁻²⁰	22 02 ⁻¹⁰	4
"	"	"	"	"	"	"		22 02 ³⁰	22 04 ⁻¹⁰	
"	"	"	"	"	"	"		22 04 ⁰⁵	22 07 ⁻¹⁵	
21684	HD 168009	18 12.7	+45 10	"	"	"	+22.0	22 18	22 31	1
21685	34 Peg	22 21.5	+3 53	"	"	"	+22.0	22 36	22 50	"
21686	λ Peg	22 41.7	+23 02	"	"	"		22 54 ¹⁵	22 55 ²⁵	2
"	"	"	"	"	"	"		22 55 ²⁵	22 57	
"	"	"	"	"	"	"		22 58 ⁻²⁰	23 02 ⁻²⁰	
21687	ξ Peg	22 41.6	+11 40	"	"	"		23 05 ⁵	23 06	3
"	"	"	"	"	"	"		23 06 ²⁰	23 08	
"	"	"	"	"	"	"		23 09 ⁻¹⁵	23 13	
21688	σ Peg	22 47.4	+9 18	"	"	"	+22.0	23 17	23 19	4
"	"	"	"	"	"	"		23 20 ⁻²⁰	23 25	
"	"	"	"	"	"	"		23 25	23 35	
21689	λ Amd	23 32.7	+45 55	"	"	"		23 40 ¹⁰	23 42 ⁻²⁰	1
"	"	"	"	"	"	"		23 42 ¹⁰	23 45 ⁻¹⁰	
"	"	"	"	"	"	"		23 45	23 51	

Dome Temp.

Focus

Dome Temp.

Hour Angle
End

2 15E

2 44W

1 07E

1 15E

1 04E

0 47E

1 17E

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

*some Aurora:*07
04866Reading Time
E.S.T.
+1^m 30^s

P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 02	4		3	4.5	K1		Set 1 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 50	1	07E +4 08	1	6.5	G0	12 ^s	" 8 14 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 06	3			4.9	F7		" 1 1 "	fine
23 08			"			12 ^s	5 2	
23 13	1	04E +11 56		"			9 4	
23 19	4			5.5	F5		" 1 2 1/2 "	fine
23 25						12 ^s	5 5	
23 35	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 6	

Dome Temp.....

Transparency Conditions

Fair

184

Clocks need
Resetting

Is there some doubt when this star should be taken? *Yes*

[illegible]

Date Thur-Fri Sep 2-3 1954 Observer MR -

...Julian Day.....243498.8

© 159 53 56.4 3488.1

[illegible]

Dome Temp.

Focus.....157

Dome Temp. _____

Hour Angle
End

4 : 03

0 26 W.
at 20^h 41^m

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

Focus 15.756

Dome Temp.

Transparency Conditions *fine - hazy; clds in W.*

186

188
4881

Ending Time L.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 29	3	+11:03	$+4^{\circ}58'$	2	$7.8/8.1$	F5	2-2-2	set 2 Hd Bin	<i>fine</i>
20 55	1	$0^{\circ}06'W$ at 20 ^h 45	$-11^{\circ}44'$	1	$7.8/8.5$	A2	4-	set 8 " " star gone 20:46 Th & Ltq.	<i>too weak</i>
								4 Pl. H. + 4	
								no heat	
								MC SC MTW STW S SW ME <i>Sept 3.</i> -27.2^S $+24.2^S$ -27.2^S $-.5^m$ -8.0^S -7.6^S $+3.4^S$	

Date Fri-Sat Sept 3-4, 1954 Observer O - BNC 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.	Hour Angle End
21693	ψ Cap	20 40.2	-25 38	I-25	E103a-O	Sut .008	+20.3	21 54 ⁻¹⁰	21 56	4	
"	"	"	"	"	"	"	"	21 56 ²⁰	22 00		
"	"	"	"	"	"	"	"	22 01	22 09		O 2 E
21694	H O A Her	18 41.4	+20 27	"	"	"	"	22 16	22 17	1	
"	"	"	"	"	"	"	"	22 17	22 20		
"	"	"	"	"	"	"	"	22 20	22 25		2 BW
21695	HD 168009	18 12.7	+45 10	"	"	"	+20.3	22 29	23 25	2	3 W
21696	θ Cyg	19 33.8	+49 59	"	"	"	+20.2	23 32	23 34	3	
"	"	"	"	"	"	"	"	23 35 ³⁰	23 44		2 ½ W
"	"	"	"	"	"	"	"	(00 00) ⁴⁸	00 07		
21697	V 548 Cyg	19 54.6	+54 32	"	"	Sut .016	+20.2	00 17	01 27	4	4 CW
21698	HD 30353	04 41.8	+43 06	"	"	wht .008	20.3	01 44	03 02		3 E

Focus... 15715

Dome Temp.....58°F.....

Transparency Conditions... Cloudy clearing about 21 30
intermittent clouds continuous

$$\begin{array}{r} -693 \\ 15.022 \\ \hline 15715 \end{array}$$
[illegible]

Date Sun Mon Sept 5-6, 1954 Observer O - Mo. Julian Day 243.4991

0 162 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	E103-0	Set 008	+24.0	19 31	19 43	1	0 11W
21700]	HD 154345	16 59.8	+47 12	"	"	"	+24.0	19 47	20 17	1	1 56W
21701	η Set.	18 51.7	-5 58	"	"	"		20 ⁻¹⁰ 22	20 ⁻¹⁰ 26	2	
	"	"	"	"	"	"		20 ^{(23)?} 26	20 33	"	0 19W
21702	μ Agl.	19 29.2	+7 10	"	"	"	+24.0	20 ⁻¹⁵ 39	20 ⁻¹⁵ 42	3	
	"	"	"	"	"	"		20 42	20 48	"	
	"	"	"	"	"	"		20 48	21 00	"	0 09W
21703	HD 214850	22 35.9	+14 01	"	"	"	+24.0	21 08	21 13	4	
	"	"	"	"	"	"		21 13	21 31	"	2 27E
21704]	HD 213429	22 26.1	-7 04	"	"	"	+24.0	21 37	22 03	1	1 45E
21705]	HD 214476	22 12.2	+12 23	"	"	"	+24.0	22 11	23 35	1	0 01W
21706	η 1 Agr.	23 10.7	-9 38	"	"	"		23 41 ³⁰	23 47 ³⁰	2	
	"	"	"	"	"	"		23 48	23 56		0 38E

Dome Temp. +70°F

Focus 15770

Dome Temp.

Transparency Conditions

Sat Sept 4. ^{S.Mo.} Cloudy with drizzle. 20 visitors, 2 from Victoria, 2 from London (B.A.A.)
Cleared for an hour at 10:15 then clouded in again. Still cloud at 2:30 EDT. - Mo

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 16 W	+3 07	0+	6.1	F5	4-4-4	Set 2 OLS. Clear clouds in west.	fine
1 56 W	+47 09	1-2	7.5	G9	4-4-4	" 8	fine
		1	5.8	K2	-	" 1 3 1/2	fine
0 19 W	-5 55				12 ^s	5 7	
		1	5.6	K3	-	" 1 3	fine
		"			12 ^s	5 6	
0 09 W	+7 16	"				9 12	Starting to cloud over.
		1	6.1	G5	12 ^s	" 2 5 ^m	two week.
2 27 E	+14 19	"	"	"	6-6	" 8 10 ^m	Some haze.
1 45 E	-6 48	1	6.6	F8	6-6	" 2	"
0 01 W	+12 40	1	7.6	G2	4-4-4	" 8	Clear good
			5.1	K0		" F 8 ^m	good
0 36 E	-9 21	"				" 5 8 ^m	Clouded out.
						1 P.H. +8	

Date Mon. - Tue. Sep 6-7, 1954 Observer MR - H Julian Day 2434992

0163 46 37.5 3494.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Angle End
21707	HD 154160	16 58.7	+14 41	I-25	103a-0	set .008	22.8	19 30	20 20	3	+2 03 +
21708	V 536 Ophi	17 51.9	+5 00	"	"	set .016	22.6	20 26	21 18	4	+2 08 +
21709	HD 176674	18 56.3	+14 25	"	"	set .008	22.6	21 25	22 00	3	+2 17 +
21710	i Cet.	00 14.3	-09 23	"	"	"		01 03	01 05	1	00 27
								01 08	01 12		00 28
							22.8	01 14	01 22		00 29
21711	H.D. 220334	23 17.8	+20 01	"	"	"	22.6	01 39	02 27	2	00 31 -
21712	" 4628	00 43.1	+04 46	"	"	"	22.6	02 35	02 59	"	00 34 -
21713	107 Psc.	01 37.1	19 47	"	"	"	22.5	03 04	03 20	3	00 36 W
21714	H.D. 17925	02 47.7	-13 11	"	"	"	22.7	03 27	04 01	"	00 39 E
21715	" 16160	02 30.6	+06 25	"	"	"	22.5	04 09	04 35	4	00 41 W
21716	39 Tau.	03 59.4	21 44	"	"	"	22.6	04 42	05 02	"	00 45 E
	<i>Focus Test.</i>										
	<i>O.P.B.</i>										

Dome Temp. +16
Focus 15.75
Dome Temp.

Dome Temp. $+66^{\circ}$ Focus 15.752 Dome Temp. 60 Transparency Conditions *hazy; clds on horiz.*

192

0257 Fireball 2 sec.

Orion into Taurus

192

3494.0

Ending Time
R.T.

P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 20 3	+2:03	+14 34	0-1	7.0	G8 IV	4-4-4 C9-A set 2	some clds l weak
21 18 4	+2:08	+ 4 59	0-1	7.8/8.1	F5	2-2-2 Hd-Bin set 2	" " weak
22 00 3	+2:47	+14 29	1	7.89	B5	4-4-4 C10-D set 8	" " l weak
00 27 E		0	4.8	K2	12	" 2	"
00 20 E		0			12	" 5	"
00 10 E	-09 04	0			12	" 8	too weak
01 54 W	+20 19	00	7.0	G0	4-4-4	OLS. " 2	0147 Cloud. too weak
00 59 W	+05 04	0	6.4	K2	4-4-4	" " 8	Too weak
00 26 W	20 04	0	6.04	K1	4-4-4	" " 2	fine
00 04 E	-12 57	00	6.6	G5	4-4-4	" " 8	too weak
00 47 W	+06 41	0	6.81	dK4	4-4-4	" " 2	fine
00 15 E	21 54	0-1	6.6	G5	4-4-6	" " 8	0456 clouded out fine
					15/10	" 5	
						2 P.H. Plates Needed.	
						No Heat.	
1954 Sep. 7	MC	SC	S	MTW	STW	SW	ME
	-27.3	+18.5	-19.5	-14.2	-0.3	+10.3	+0.9

193

Observer.....*MR*

0167 39 42.6 3500.3

[illegible]

Dome Temp. $+66^{\circ}$

Focus... 15.722

Dome Temp.

Transparency Conditions *very hazy*
clds at sunset

194

996

3500.3

Ending Time
L.S.T.

P.H.

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

0:18 W	$+54^{\circ} 40'$	0	8.9/9.7	A0	2-4	<i>star on (clds)</i> 20:47-20:53 21:16-0 <i>Heat was on; image very poor</i>	<i>two weak</i>
						<i>Hopeless at midnight & closed up</i>	
						<i>1 P.H. used plates</i>	

Sept. 10 MC SC HTW STW S SW ME
-30.0 +3.4 -3.2 0^m -11.8 +41^s -5.2^s

Shawed 300 visitors 3 lyp with 74", & with 11"

Date Sat-Sun 1954 Sep 11/12

Observer ^{Pop} 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	sel -008	+16.5	22 18	22 44	2	0 55E
21719	HD 220334	23 17.8	+20 01	"	"	"	16.4	22 51	23 21	5	0 45E
21720	MWC 361										
21721	HD 200775	21 00.4	+67 47	"	"	"	+16.2	23 39	0 13	3	1 12 W
21722	MWC 13										
21723	HD 9105	1 24.6	+62° 51	"	"	"	+16.3	0 23	1 23	3	1 00 E
21724	HD 9812	1 30.8	+58 08	"	"	"	+16.4	1 29	2 15	4	0 14 E
21725	HD 10780	1 40.4	+63 22	"	"	"	+16.3	2 20	2 40	4	0 01 W
21726	54 Psc	0 34.2	+20 43	"	"	"	+16.1	2 46	3 14	1	1 43 W
21727	MWC 29										
21728	HD 13661	2 08.1	+54° 04	"	"	"	+15.8	3 25	5 21	2	2 15 W
Focus Test, O.T.E.				"	"	"	+15.9			2	

eliminate
all these

Dome Temp...+46°F.....

Transparency Conditions..... *God, considering brightness of the moon.* 196

997

Exposure Time E.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp. n	REMARKS	Quality
22 44	2	0 50 E	14 17	0!	6.1	G5	4-4-4	Had trouble getting the star focused	
23		0 45 E	20 19	0!	7.0	G0	4-4-4		
23	3	2 ^h 12 ^m W	+67° 58	0!!!	7.2	Bse	4-4-4	Set 2 Be Focussing has little or no effect.	No spectra on any of these plates due to out of focus images
123	3	1 ^h 00 E	+63° 06	0!!	7.5	cBse	4-4-4	Set 8 s Be	
215	4	0 ^h 14 E	+58° 23	0	7.4	B5	4-4-4	Set 2 B Std. Vel. What ho! It seems these go with the OB program, not the OLS!	
240	4	0 ^h 01 W	+63° 35	0!	6.44	KK ₂	4-4-4	Set 9 OLS	
3 4	1	1 ^h 43 W	+21° 00	0	6.70	KoV	4-4-4	Set 5 OLS	
521	2	2 ^h 15 W	+54° 18	-8.947	8.6	Borne	4-4-4	Set 2 Be P that the star is now trying to pretend it's the Ring Nebula. Focusing doesn't help	
	2						15/10	Set 10 1/2 I suspect this is all you will find on this plate.	
								4 p.h. with E103 and 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 +56.5 -1.0	
								Sep. 15 -32.0 +29.9 -24.4 +22.0 +0.3 +72.5 -3.2	
								17 -33.3 +12.1 -46.1 -30.5 - .4 +10.5 -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	I 35	E10340	008	20.7	19 08 ²⁴	19 32	1	20 59W +
21719	{ 19.3 Her	17 55.6	+16 46	"	"	"	"	19 38	19 46		21 24W +
21720	{ 37 Aql	19 29.6	-10 47	"	"	"	"	19 52 ²⁰	20 12	3	20 16W -
21721	{ 46 Cap	21 39.7	-09 32	"	"	"	20.7	20 19 ²⁴	20 43		21 24E -
21722	0 Cyg	19 33.8	+49 59	"	"	"	"	20 57 ¹⁵	20 59		20 59W +
								21 00 ³	21 03		21 03W +
								21 03 ⁶	21 09		21 09W +
21723	{ 0 Bna	18 49.7	+39 16	"	"	"	20.7	21 18 ³⁶	21 26	2	22 15W +
21724	{ 60 Ser	18 24.5	-02 03	"	"	"	20.7	21 56 ³²	22 30		23 38W -
21725	{ HD213429	22 26.1	-07 04	"	"	"	20.7	22 36 ¹⁵	23 08	4	00 17W -
21726	{ HD214850	22 35.9	+14 01	"	"	"	20.7	23 17 ¹⁵	23 32		00 29W +
21727	8 Psc	23 12.0	+02 44	"	"	"		23 38 ¹⁵	23 39	3*	00 29W +
								23 39 ³	23 42		00 07W -
								23 42 ⁶	23 48		00 13W -
21728	1 Cet	00 14.3	-09 23	"	"	"		00 09	00 12	1*	00 30E -
							20.7	00 14	00 20		00 22E -
								00 21	00 33		00 09E -

Dome Temp. +66.....

Focus 15717.....

Dome Temp.

Transparency Conditions

Good

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

Ending Time EAT.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 32	1	00 59 W	+03 08	0	6.1	F5	4-4-4	OLS Set 2	fine
19 46		01 24 W	+16 46	0-1	5.72	K0	12	OLSS Set 8	Low end
20 12	3	00 16 W	-10 40	0	6.19	G8	12	OLSS Set 2 (Agrees with HD. Catalogue)	good
20 43		01 24 E	-09 18	0	6.23	G8	12	OLSS Set 8 (Took ⁹ 5. of double-see field)	good
20 49		01 09 W	+50 06	1	4.8	F5		OLS Set 2 (A little cloud around)	fine
21 03		01 03 W					12	Set 5	
21 09		01 09 W	+ 20		5.7		12	Set 9	
21 22	2	02 10 W	+59 20	0	5.74	K0	12	OLSS Set 2 Took Brx of dbl seen in 74" Exp	Low
22 30		03 38 W	-02 01	0	6.45	K0	12	OLSS Set 8 Cloud in field. Had to wait.	Low
23 08	4	00 17 W	-06 47	00-0	6.6	F5	12	OLS Set 2	1 weak
23 32		00 29 W	+14 18	0	6.1	G5	12	OLS Set 8 Field as in 21623	weak
23 39	3	00 04 W	+03 02		4.8	G8	12	OLSS Set 2	
23 42		00 07 W					12	5	
23 48		00 13 W						9	
23 51	*	00 30 E	-09 05	0	4.8	K2	—	Ho * Set 2	fine
23 52		00 22 E					6-6	5	
00 33		00 09 E						9	

* P.H. #1+3 had backs
upside down

Date. Sept 19-20 Contd.

Observer.

Hv

...Julian Day...2435005

0 176 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
21729	H.D. 166	00 01.4	+28 28	L-25	E _{103a0}	.008	20.6	00 39	01 09	2	00 40W
21730	54 Psc.	00 34.2	20 43	"	"	"	"	01 12	01 44	"	00 42W
21731	H.D. 4628	00 43.1	+04 46	"	"	"	20.5	01 50	02 24	4	01 14W
21732	H.D. 17925	02 47.7	-13 11	"	"	"	19.7	02 29	03 09	"	00 05E
21733	" 20165	03 09.3	+08 37	"	"	"	20.0	03 15	05 15	1	01 40W
Camera to be used		Focus Test		O.T.B.			20.0				

Dome Temp.....55°F

Transparency Conditions Good.

200

Sid. Elect. Reset Approx.

[illegible]

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 00.7	-11° 48'	I-25	1030-0	.008	17.6	19:14	20:16	2	0:51W
21735	37 Aql	19 29.6	-10 47	"	"	"	17.4	20:20	20:44	3	0:51W
21736	93 Iler	17 55.6	+16 46	"	"	"	17.3	20:50	21:02	"	2:44W
"	"	"	"	"	"	"	"	21:03	21:09	"	2:50W
21737	0 Dra	18 49.7	+59 16	"	"	"	17.0	21:19	21:29	1	2:18W
"	"	"	"	"	"	"	"	21:30	21:35	"	2:24W
21738	53 Dra	19 09.8	+56 41	"	"	.008	17.2	21:39	21:47	"	2:16W
21739	46 Cap	21 39.7	-9 32	"	"	"	—	21:53	22:05	2	20:05W
21740	8 Psc	23 12.0	+2 44	"	"	"	17.4	22:13	22:19	"	04:17E
"	"	"	"	"	"	"	"	22:20	22:23	"	1:13E
21741	26 Cyg	19 58.5	+49 50	"	"	"	—	22:36	22:50	3	2:30W
21742	72 Cyg	21 30.7	+38 05	"	"	"	17.0	22:56	23:04	4	1:11W
21743	HD 200775	21 00.4	+67 47	"	"	"	17.0	23:12	23:34	2	2:13W
21744	HD 200391	20 58.1	+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	2:13W

Dome Temp. $+60^{\circ}$

Focus 15.677

Dome Temp. $+52^{\circ}$ Transparency Conditions *very good*

202

5.006

3524.2

Ending Time L.I.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20:06	2	0:51 W	-110 44'	0	7.8/8.5	A2	4-7-7	Set 2 HdBm	<i>fine</i>
20:44	3	0:51 W	-10 40	0	6.19	G8 III	6-6	" 2 OLSS	<i>fine</i>
21:02	0	2:44 W	+16 46	1-2	5.72	KOD III	6-6	" 8 OLSS	<i>fine</i>
21:09	"	2:50 W	"	"	"	"	-	" 5 "	
21:29	1	2:18 W	+59 19	2	5.74	KOD III	12	" 2 OLSS	<i>fine</i>
21:35	"	2:24 W	"	"	"	"	-	" 5 OLSS	
21:47	"	2:16 W	+56 48	2	6.19	G8 III	12	" 8 OLSS	<i>fine</i>
22:05	2	00:05 W	-9 16	1	6.23	G8 II-III	6-0	" 2 OLSS	<i>fine</i>
22:19	"	01:17 E	+3 03	2	4.80	G8 III	12	" 5 OLSS	<i>fine</i>
22:23	"	1:13 E	"	"	"	"	-	" 8 "	
22:50	3	2:30 W	+49 59	1	6.34	KOD III	12	" 2 OLSS	<i>fine</i>
23:04	1	1:11 W	+38 19	2	6.04	K III	12	" 8 "	<i>fine</i>
23:34	2	2:13 W	+67 59	1	7.2	Bse	4-7-4	" 2 Be	<i>good</i>
0:51	7	3:30 W	+27 38	1	8.12	G0	4-4-4	" 2 Spec. bright - This plate cuts little bright & so 5 spots slightly out of focus	<i>fine</i>
1:03	9	2:18 W	+4 28	2	5.9	Ko	6-6	" 8 Std. Vel.	<i>fine</i>

Note: Same plate as 21748

Date Sept 20-21, 1954
continuedObserver MnJulian Day 24350060 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	1:59W
	"	"	"	"	"	"	17.1	1:17	1:35	1	2:17W
21747	⁶³⁴ HD 219364	23 12.2	+61 25	"	"	"	17.0	1:44	2:08	3	2:33W
21748	HD 223501	23 45.0	+61 39	"	"	"	17.0	2:13	3:39	2	3:37W
21749	ι Persei	3 01.8	+49 14	"	"	"	17.0	3:46	3:47	4	0:22W
	"	"	"	"	"	"		3:51	3:53	4	0:25W
	"	"	"	"	"	"	17.1	3:54	3:58	4	0:33W
21750	HD 38230	5 39.2	+37 16	"	"	"	17.1	4:07	5:21	1	0:11E
	Focus Test	O.T.B.		"	"	"	17.0			1	

Dome Temp
Focus
Dome Temp

Dome Temp.....

Transparency Conditions..... Hazy after 2130

Focus.....

Dome Temp.....

006

3521-2

Ending Time R.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1:17	1	1:59 W	+38° 27	2	6.4	B3ne	none	Set 8 Hd Be	strong
1:35	1	2:17 W	"	1	"	"	4-4-4	Set 2 " (That's right - Set 2!)	strong
2:08	3	2:33 W	+61° 44	1	7.0	B8	4-4-4	Set 5 Mo Bin	strong
3:39	2	3:37 W	+61° 59	0	8.2	B3e	4-4-4	Set 8 Hd Be	fine
3:47	9	0 22 W	+45° 24	1	4.64	GoV	none	Set 1 OLS	fine
3:53	4	0 28 W		1	"	GoV	12	Set 5 "	
3:58	9	0 33 W	+49° 24	1	"	"	none	Set 9 "	
5:21	1	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-a + 8 in refrig.	

Note: same plate as 21743
light hazy cloud guiding

Dome Temp. 76°F

Transparency Conditions

Transparency Conditions *Rain showers about at first* 206

206

Dome Temp. 76°F

Sept. 21 Changed to
12 $\frac{1}{2}$ " camera

25" was { Focus 15.677
Gilt 23.15

12' 2" Four 12.950
Silt. 20.35

[illegible]

Thurs-Fri

Date Sept 23-24/54Observer Oke L. MoJulian 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 08 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. 35

Focus

Dome Temp.

Hour Angle
End

44

Dome Temp. $+51^{\circ}\text{F}$

Transparency Conditions

good

208

Focus.....

Dome Temp.....

5009

27.7

Ending Time R.S.T.	P.M.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 14 00								Nova Herc 1934 was slightly off the field of each plate.	
19 29									
20 42									
32 00									Nothing. Backed side out. Nothing
37 20									
51 30									
57 42									
21 03 37									
09 26									
14 43								Hrc = $3^{\text{h}} 02^{\text{m}} \text{W}$ at 21 15 45	
20 29									
27 01									
33 36									
40 23								Light from train	
46 59			$+45^{\circ} 50'$					Hrc $3^{\text{h}} 35^{\text{m}} \text{W}$ at $21^{\text{h}} 48^{\text{m}} 30^{\text{s}}$ This means α was $18^{\text{h}} 05^{\text{m}}.5$	

Dome Temp. 47°F

Focus 12.950

Dome Temp.

Transparency Conditions

Good

210

009
0 45-0 3527

Ending Time L.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0139	01 47W	61 55	0	8.6 8.7	B. 5.16	1-1-1	Set. 2, O.B. Field very difficult to identify ^{wrong star}	Correct
0329	01 04W	56 04	0	8.5	B. 11.12	2-2-2	" 8.0 B. " " " " " " ^{correct star}	from
0415	00 18E	43 10	0	8.3	Gop	2-2-2	" 2. Bidelman's * Clock Rate Very Irregular	strong
0557	00 24W	42 02	0	7.7	G 2	2-2-2	" 8 Std. Vel.	strong
	0 36 E					8/6	" 5	
							2 P.H. +4	
							Hon M.	
							Flash lite Kaput.	
							He se NW SW S SW HE Sept. 24 -1.2 -19.0 -15.2 -4 ^m -25.9 +41 ^s 0.0	

Dome Temp. 5
Focus 13.05
Dome Temp.

[illegible]

Dome Temp. 54°F

Focus 13.950

Dome Temp.

Transparency Conditions good, cloudy earlier

A call about a very bright meteor(?) travelling from S to N at 0^h 20^m approx. white in color. with a halo or coronas.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
04 15 W	56 18	1-2	10.47	B1, II	1-1-1	Feb 2 O.B. prog. Through clouds; end at the end	fair
					8/6	7	all right
						1 PM + 4	
						H on M.	

Date Sun Sept 26-27/54 Observer L-Hv Julian Day 2435012

183 17 142 8589.8

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 33.9	45 47	I-R ₂	E-10300	set 016	+15.0	20 52	23 02	3	2 29 W
21776	HDE 229923 ²³⁵⁸⁰⁷	22 16.8 ^{22 17.4}	58 27 ^{55 03}	"	"	"	+15.0	23 07	01 07	"	03 50 W
21777	BD. +61°40	00 15.0	61 50	"	"	"	15.3	01 15	03 29	4	03 15 W
21778	BD +62°655 H.C. 15224	04 00.0 03 59.3	62 11 62 04	"	"	"	15.2	03 44	05 28	"	02 23 W
	Flame Test.			09. B.							

Dome Temp. $+54^{\circ}\text{F}$

Transparency Conditions

Focus 12.950

Dome Temp.

Clouds early in evening.

Reading Time R.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 02	3	2 29W	45 59	0-1	10.1	B ₂ III	1-1-1	Set 2 Q.B. Prog.	fine
0 07	1	02 50 W	55 19	0-1	9.77	B ₂ IV	1-1-1	Set 8 " "	strong
23 29	4	03 15 W	62 10	0	10.03	B ₂ (e?)	1-1-1	" 2 " " Preceding * of Pair.	fine
05 21	1	01 28 W	62 16	0	^{2.5} 9.8	B ₂ ?	1-1-1	" 8 " " Please check field ^{Wrong}	strong
							4/3	" 5	

3 P.H. in D.

Plates Needed.

H on M
 Sept. 27 ^{MC} ^{SC} ^{MTW} ^{STW} S SW NE
 -3.0 -16.4 +9.2 +.1^m -25.5 -5.2 +3.0

Dome Temp.....

Transparency Conditions.....Fair

Clouds Earlier

216

Ending Time E.S.T.	P.R.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03 44		03 SSW	60 54	0	10.51	B, V	1-1-1	Set 2 OB, Prog.	fine
05 23		01 27 W	62 13	0	9.93	B ₃	1-1-1	" 8 " "	fine
							4/3	" 5	all right
								2 P.H. in D.	
								Plates Needed.	

Date 1954 Oct 4-5 Mr. J. Observer MR - H. Julian Day 24350.20

BR

191 09 17.2 3548.5

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
21788	HD 154277	16 ^h 59.4 ^m	+16° 10'	I-12 1/2	103a-0	set .016	421.0	18:48	19:43	2	3:15W
21789	HD 229234	20 20.3	+38 12	"	"	"	21.0	19:50	21:06	3	1:17W
21790	HD 202349	21 10.1	+37 21	"	"	set .008	21.0	21:14	21:32	3	0:55W
21791	HD 239767	21 43.1	+56 27	"	"	.016	21.0	21:40	00 04	4	0255W
21792	HD 218155 C 12-A	23 00.6	14 25	"	"	.008	20.7	00 13	00 23	2	0155W
21793	TB5-38	23 51.7	60 40	"	"	.016	20.8	00 38	01 46	4	0228W
	Found. Test.		0.7B								

Dome Temp.....

Transparency Conditions *high thin creases w/rope*

220

Dec setting solenoid stuck

Ending Time E.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
1943	2	3:15 W	+16° 08'	0	8.75	KO III	1-1-1	C9-H set 2 ²⁰⁻²² are AG stars finished now?	good
2143	3	1:17 W	+38 22	0	9.4	09.5 III	1-1-1	OBp.9 set 2 ¹	fin
2144	3	0 55 W	+37 37	0	7.2	B0.5 V	2-2-2	" set 5 set 8 by mistake '016 slit, 1"	fin
2244	4	0 25 S W	56 41	0	9.95	B0.5 p V	1-1-1	" " 2	fin
0045	2	0 1.55 W	14 40	0	6.59	A ₀	2-2-2	C-Reg. " 8	good
0146	4	0 2 28 W	60 58	0	10.27	B ₁ ind V	1-2	OB " 8 <u>0050</u> Thin cirrus <u>0135</u> Star Gone Quite Windy	l wind all night
							4/3	" 5	
								3 P.H. + 8	
								Horn M	
								NE SE MCW SW S SW NE Oct. 6 -8.7² -11.9² -8.7⁵ -2^m -27.7 +19⁵ -2.9	

Date Wed. Oct 6-7/54 Observer L. H. V. Julian Day 243.5020

193 07 36.0 3552.1

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-12½	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	03 58.8	62 04	"	"	"	8.6	02 45	05 19	2	01 59W
	Stars	Test			0913						

Dome Temp. 40°FFocus 12.980Dome Temp. 34°F

Transparency Conditions

Strong winds and clouds delayed start.

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.	fin
02 29 / 03 46W	60 02	0	10.53	B ₂ II	1-1-1	" 8 " "	fin
05 9 / 01 59W	62 11	0	10.26	B ₃	1-1-1	" 2 " "	fin
					4/3	" 8	c little to red
1 P.H. + 8							
Han - M.							



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

Date Thurs. Fri. Oct 7-8. 1954 Observer O - H Julian Day 2435023.

194 06 48.1 3533.8

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	I-12	E103a-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 193855	20 17.4	+38 42	"	"	Set 008	+9.7	21 48	22 08	4
21800	BD +54° 2761	22 19.9	+55 11	"	"	Set 016	+9.6	22 21	01 35	4
21801	H.D. 14542	02 15.9	56 56	"	"	"	9.7	01 43	01 53	1
2802	"	"	"	"	"	.008	9.7	01.56	02 16	"
	Test				G.9.13.	"				

Dome Temp.....

Transparency Conditions *Mood.*

224

[illegible]

Date Wed - Thurs. 1954 Oct 13/14 Observer Pok - 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.	Hour Angle End
21803	HD 229239	20 20.4	+38 11	I 12 1/2	E103-a-0	SEL 016	+20.6	18 31	19 51	2	0 40 W 3
21804	BD +47°3421	21 25.0	+47 37	"	"	"	20.8	20 00	21 30	1	1 13 W 1
21805	HD 216248	22 46.3	+58 08	"	"	"	20.8	21 40	23 50	3	1 20 W 3
21806	HD 4694	00 43.9	+64 05	"	"	"	20.5	23 56	00 56	1	0 20 W 1
21807	BD. + 61° 39	00 14.8	61 55	"	"	"	20.3	01 04	02 00	4	0 25 W 6
	Focus Test.			O. 9/B.							

Dome Temp. $+66^{\circ}\text{F}$

Transparency Conditions *Good*

Focus.....12:935

Dome Temp. 56° F

Ending Time E.S.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 2		0 44 W	38 20	0-1	9.6	B ₁ Iab	1-1-1	set 2! AB major p. 9. 25	fine
0 30		1 13 W	47 52	.2	10.12	A0.Iab	1-1-1	" 7 " p. 12	fine
0 37		2 12 W	58 29	2-0	10.33	B ₂ II	1-1-1	" 2 " p. 16	extremely fine
0 56		0 1 20 W	64 21	0	8.9	B ₂ Ta	1-1-1	" 7 " p. 24	fine
1 0		0 2 53 W	62 10	0	8.7	B _{0.5} IV	1-1-1	" 2 " " 4/3 " 8. <u>0135</u> Cloud in N.W.	fine
								3 P.H. Plates Needed.	and slightly violet
								Hon. M.	
								HE SC MTC SNE S SW ME Pet 15 -13.2 -5.4 +3.3 +3m -27.7 +34.8 -2.0	

Dome Temp. 39°F

Transparency Conditions..... *Good*

228

Clouds from sunset on.

Ending Time E.S.T.	P.R.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality																
23 29 1		V 12 W	61 25	00	9.2	B _{0.5} Ib	1-1-1	Set 2 AB. prog. p 24	fine																
0 2 1		03 19 W	61 52	O	9.3	B ₀ IV	1-1-1	Set 8 " " 23 40 Clouds, 00 30 Clear	fine																
7 36 2		02 00 W	62 10	O	10.15	B ₇	1-1-1	" 2 " " f 26	fine																
5 25 3		02 07 W	43 10	O	8.3	G ₀ p	1-1-1	" 2 Bidelman's *	strong																
7 56 11		01 43 W	32 44	00	6.50	A ₀	2-2-2	" 8 N Binary	strong																
2							8/6	" 8	all rough?																
2 P.H. + 10.																									
Hon. M.																									
<table><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>Oct. 18</td><td>-15.7^s</td><td>-3.8</td><td>+2.8</td><td>+1^m</td><td>-28.0</td><td>-1.1</td><td>+2.5</td></tr></table>											MC	SC	MTW	STW	S	SW	ME	Oct. 18	-15.7 ^s	-3.8	+2.8	+1 ^m	-28.0	-1.1	+2.5
	MC	SC	MTW	STW	S	SW	ME																		
Oct. 18	-15.7 ^s	-3.8	+2.8	+1 ^m	-28.0	-1.1	+2.5																		

Dome Temp. +45.0

Focus. 12.934

Dome Temp. 41.0 F

Transparency Conditions

230

34.
35773
Ending Time
L.S.T.
20:06
22:43
20:20
E+...
F+...

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0:36 E	+54° 11'	1+	10.05	B0 II: n	1-1-1	OB p. 14 Set 2	fine
3:18 W	+46 11	1	10.35	B1 IV	1-1-1	OB p. 12 Set 8 (B6)	fine
2:12 W	+61 13	0	10.31	B0.5 IV	1-2	OB p. 18 Set 2	fine
					4/3	" 8	all right
						0000 Clouds	
						0022 Star Gone	
						0117 solid.	
						2 P.H. + 8.	
						Hon. M.	
						Oct 20	
						ML S	
						-16.2	
						SC S	
						-1.6	
						MTW S	
						+2.0	
						STW	
						+3.3	
						S S	
						-27.4	
						SW S	
						+17.2	
						HE S	
						+1.0	

Date Wed-Thurs Oct 20/21, 1954 Observer Bre - H Julian Day 2435036

0206 59 27.9 3581.8

[illegible]

Dome Temp. $+45^{\circ}\text{F}$ Focus 12.934 Dome Temp. 43°F Transparency Conditions *Good*

232

Clouds partly in evening, cleared about 22^{hr}Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0244 W	60 06	1	9.92	B9.5	1-1-1	set 2 OB progr. p 16. Delayed start because of	fin
0021 W	62 10	0	10.04	B4	1-1-1	" 8 " " p 26 ghost in guid. eyepiece	fin
0325 W	62 11	0	10.30	B5	1-1-1	" 2 " " "	fin
					4/3	" 8	ill sight
						2 P.H. + 6.	
						H.M.	

Dome Temp. $+52$ Focus 12.935 Dome Temp. 39°F

Transparency Conditions

 ~ 40 visitors II yr M + P.Ending Time
L.S.T.

P.E.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

8 1 4	W 48	34 41	0	6.5	B ₄	3	Set 2	13 Type	Std Vel.	
8 6	W 52 ^m					3	" 5			fine
8 22	W 56 ^m					3	" 9			
8 50	W 12 ^m	38 53	0-1	7.7	B ₂ III	2-2-2	Set 2	OB prog.	p 7.	fine
9 5 1	W 2 17	37 17	1	10.2	B _{1.5} Ia _p	1-1-1	" 8	" "	p 7	fine
9 23 2	W 1 37	58 43	1-2	9.7	B ₃ Ib	1-1-1	" 2	" "	p 14	fine
9 23 2	W 1 00	61 49	2-3	8.8	B ₂ Ib	2-2-2	" 8	" "	p 24	fine
9 23 3	W 1 54	61 45	1-0	8.4	B ₁ Ib	2-2-2	" 2	" "	p 24	fine
9 23 4	02 37 W	62 11	0	8.7	B _{0.5} Ib	1-1-1	" 8	" "	p 24	strong
9 23 5	01 40 W	48 22	0	9.0	A ₇	2-2-2	" 2	α Per.	Cluster	fine
9 23 6	03 33 W	50 14	0	9.0	F ₅	2-2-2	" 8	" "	"	good
9 23 7	04 10 W	49 04	0	8.2	A ₁	2-2-2	" 2	" "	"	fine
						8/6	" 8			centered above

2 P.H. Plates Needed
Horn, M,Note for L: Guiding eyepiece has
been strained so that slit is
very low in field (I) (attenuated)

Sat. Oct. 23, 1954. About 300 visitors. Showed M 15
with big telescope, Mars with 4-inch. N. Br.

Date Sat-Sun. Oct 23/24, 1954 Observer PBR

Julian Day 24350391

© 209 58 39.8 3588.3

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
21829	BD +61° 2515	23 40.9	+61 45	F12	E103-a-0	set 016	+16.0	21 46	00 46	3
21830	+15 15841	02 09.8	+56 34	"	"	"	16.0	00 56	00 58	4
								00 58	01 02	
								01 02	01 10	
21831	HD 14302	02 13.6	+55 52	"	"	set 008	16.0	01 16	01 56	3
21832	BD 47° 792	03 08.8	+47 42	"	"	"	"	02 03	02 23	1
21833	BD 50° 728	03 09.4	+50 58	"	"	"	"	02 33	03 43	
21834	BD 48° 931	03 22.6	+48 41	"	"	"	15.6	03 50	04 50	2
21835	BD 49° 953	03 24.0	+49 23	"	"	"	"	04 54	05 26	
21836	HD 30353	04 41.8	+43 06	"	"	"	"	05 31	05 51	3
21837	HD 36484	05 26.9	+32 44	"	"	"	16.0	05 56	06 00	
	Focus Test	O.T.B.								

Dome Temp. 50° F

Transparency Conditions *Good, hazy*

236

Ending Time E.T.	P.E.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS		Quality																																
00		02 53W	62 01'	2	10.37	Bos V	1-1-1	set 2	OB prog. p. 18.	fin																																
01		00 34W	56 49	2	7.0	Bos		2	B-Type Std. vel.	} Companion only on middle Others of <u>NO</u> use																																
02		00 38W						5																																		
03		00 46W						8																																		
04		01 28W	56 08	2	8.5	B II-II	2-2-2	8	OB prog. p. 26	fin																																
05		01 00W	47 50	3	8.1	A0	2-2-2	2	2 per cluster no 285	fin																																
06		02 20W	51 16	2	9.1	F2	2-2-2	8	" Note here 314 declination	fin																																
07		03 15W	48 50	3	9.1	F7	2-2-2	2	" 863	fin																																
08		03 48W	49 34	3	8.5	A5	2-2-2	8	" 921	fin																																
09		02 56W	43 11	3	8.3	G0p	2-2-2	2	Bidelman Star	fin																																
00		02 21W	32 47	2	6.50	A0	6	5	Spect. Binary	fin																																
							8/6	9		all right																																
									1 PH + 8 , 11 on M.																																	
									<table><tr><td></td><td>MC^S</td><td>SC^S</td><td>MTW^S</td><td>STW^S</td><td>S^S</td><td>SW^S</td><td>ME^S</td></tr><tr><td>Dec 22</td><td>-17.41</td><td>-09.4</td><td>-2.2</td><td>+1.1^m</td><td>-35.2</td><td>+24.2</td><td>-6.4</td></tr><tr><td>25</td><td>-16.8</td><td>-02.1</td><td>+5.0</td><td>+1.1^m</td><td>-27.9</td><td>+56.1</td><td>+1.1</td></tr><tr><td>27</td><td>-17.7</td><td>+02.3</td><td>-.5^S</td><td>0^m</td><td>-23.5</td><td>+14.1</td><td>-6.9</td></tr></table>		MC ^S	SC ^S	MTW ^S	STW ^S	S ^S	SW ^S	ME ^S	Dec 22	-17.41	-09.4	-2.2	+1.1 ^m	-35.2	+24.2	-6.4	25	-16.8	-02.1	+5.0	+1.1 ^m	-27.9	+56.1	+1.1	27	-17.7	+02.3	-.5 ^S	0 ^m	-23.5	+14.1	-6.9	
	MC ^S	SC ^S	MTW ^S	STW ^S	S ^S	SW ^S	ME ^S																																			
Dec 22	-17.41	-09.4	-2.2	+1.1 ^m	-35.2	+24.2	-6.4																																			
25	-16.8	-02.1	+5.0	+1.1 ^m	-27.9	+56.1	+1.1																																			
27	-17.7	+02.3	-.5 ^S	0 ^m	-23.5	+14.1	-6.9																																			

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

② 213 58 04.9 3596.1

[illegible]

239 Sat 30 100 visitors
O, Hr showed BCyg.

Date Sun Mon Oct 31 - Nov 1, 1954 Observer O-Hr Julian Day 2435047

① 217 57 59.9 3603.0

[illegible]

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

Focus. 12.9.36

Dome Temp. 31°F

Transparency Conditions

Clouds until $21^{\text{h}}30$ Ending Time
L.S.T.

P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02 28W	+62 04	1 0	10.03	B2pe	1-1-1	allway in OB p 18 brighter of pair	fin
01 13W	56 05	0	8.5	B1II-II	1-1-1	" 8 " P.P. 26	fin
02 40W	62 10	0	10.26	B3	1-1-1	" 2 " "	fin
02 47W	34 29	0	8.4	B0.5 IV	2-2-2	" 8 " " 0350 Cloud from N + W. 0450 Cloud, <i>Quality</i> 0546 Star Gone.	fin
					8/6	" 5	
						2 P.H. +4	
						H on M.	
						Nov. 3	
						HC	
						SC	
						4+u	
						5m	
						S	
						8W	
						ME	
						-19.5	
						-4.1	
						-5.8	
						-1 m	
						-29.1	
						+7.4	
						-1.0	

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

① 220.58 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.
(2) 844	B.D. +61° 2408	23 11.2	61 32	I-12½	E-103A _o	.016 ^{set.}	+3.0	21 20	23 30	2
(2) 845	BD +61° 2559	23 48.7	61 52	"	"	"	+3.0	23 34	01 46	2
(2) 846	H.D. 36484	05 26.9	32 44	"	"	.008	3.2	01 57	02 03	3
(2) 847	H.D. 30353	04 41.8	43 06	"	"	"	3.1	02 31	02 57	"
<i>Focus Test O.G. 13</i>										

Dome Temp..... 54

Transparency Conditions.....

242

Cloudy early evening, demonstrated telescope to evening. {class

[illegible]

Nov 8 @ 224 58 53.7 3615.9

Date Mon - Tues 1954 Jun 8-9 Observer MR - Hr Julian Day 2435055.

Nov. 9 0225 59 07.6 3615.4

[illegible]

Dome Temp. $+44^{\circ}$ Transparency Conditions excellent; ☺

244

Focus 12.9350207 Brilliant fireball Directly overhead. South to North 2 sec.Dome Temp. 61.54

Clearing about 0100.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 26	1:56 W	$+38^{\circ} 20'$	2-1	9.9	BO II	1-1-1 OBp.9 set 5 (set 2, 008 in error)	fine
21 40	2:32 W	$+59^{\circ} 17'$	1	10.26	BS Ia	1-1-1 OBp.12 set 8	fine
23 02	2:40 W	$+63^{\circ} 14'$	1	9.5	B9 Ia	1-1-1 OBp.22 set 2 cldo at end	fine
						2 P.H. + 0 Plates needed	
						H.M.	
0 07	0:123 W	43 12.5	0	8.3	Gop	2-2-2 set 2 Bidelmann's *	fine
0 33	00 54 W	32 45	0	6.50	Ao	2-2-2 " 8 'Binary	fine
0 40	0207 W	34 30	0	8.4	Bo.5 IV	2-2-2 " 2 O.B. pp 26	fine
0 54	0212 W	40 51	0	7.7	Os	2-2-2 " 8 OB " 28 Looks fainter	fine
					8/6	" 5 c to red	
						2 P.H. + 10	
						H.M.	

Dome Temp. +27°F

Transparency Conditions *Very good*

246

Reading Time L.S.T.	P.R.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2-3	3	02 18 W	48 43'	0	9.1	F4	2-2-2	ref 2 x per mag 421	lating
5-0	3	04 20 W	49 20	0	9.2	A0	2-2-2	8 exposed for 10 min no 1344 about on ref 2	lating
5-52	4	02 50 W	32 45	0	6.50	A0	2-2-2	2 Binary	lating
6-30	4	01 08 W	28 45	0	8.42	E0	2-2-	5 AC 25 Some cloud	fine
							8/6	9	center to red
								2PH +8	
								H. on M.	
								Nov. 10 HC_s -18.8 SC +05.5 MTU -06.5 STU -2^m S -17.7^s SW +22.3^s ME_s +03.9	

Dome Temp.....

Transparency Conditions

Focus 15.562

Dome Temp.....

Changed to 25" camera 12 1/2" was Focus 12.935 25" is Focus 15.482
 Filt 20.35 25" is Filt 23.15

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 57	+63 37	0	6.47	K2	6-6	Set 2 8" 0 OLS	
00 13	34W		"	"	6-6	" 8 16"	fine
00 17			4.60	F7V	—	" 1 1 1/2 OLS	
00 22					12	5 3	0620 Image Unsteady
00 29	00 53W	49 00	1+		—	9 6	fine
00 33			3.8	F5	—	" 1 40 ^S OLS	
00 37					12	5 80	fine
00 37	152W	2920	1		—	9 160	
00 44			5.5	G5V	—	1 4	
00 55	+03 11				12	5 8	fine
01 11	01 00W				—	9 16	
01 16			4.64	G0V	—	1 1 1/2 " 0117 Cloud.	
01 23					12	5 3	fine
01 29	20W	49 25	1		—	9 6	

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 33	6			2.29	K ₅ III	—	Set 1 10 OLS	
01 34	7					—	4 15	fine
01 35	8					—	7 25	
01 36	00 09 W					—	10 40	
01 42	04 W			3.62	F ₆ V	—	Set 1 1/2 OLS	fine
01 44	05 W					12	5 1	
01 46	00 05 W					—	9 2	
02 00	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
02 05	00 08 W	45 58				—	9 10	
02 05	00 20 W	32 46	0	6.50	A ₀	4-4-4	" 2 13 in. 0239 Cloud.	noting
02 20	00 32 W	13 54	0	7.0	G ₅	4-8	" 2 OLS. 0303 Cloud.	too weak
						15/10	" 8 3 PH + 4 H.M.	OK

Date. Nov. 12-13 / 54.

Observer.....Hr

Julian Day 24350.59

0 230 00 19.8 3622.5

[illegible]

Dome Temp.....

Transparency Conditions..... 2 incl.

252

259
3622.5

Ending Time
E.S.T.

[illegible]

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

① 231 00 42.3 3624.4

[illegible]

Dome Temp... +4.0°

Focus... 15.505

Dome Temp...

Transparency Conditions *Hazy*

254

Cloudy at sunset. Cleared off at 19^h.

Hour	Angle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 53	00 28W	+14 20	0-1	6.1 ⁵	G5	4-4-4	Set 2 OLS Field as in 21623 (Wanted strong)	fine
20 19	00 04W	+38 58	0-1	6.35	Ko III	4-4-4	8 " some cloud in S.	good
20 18	00 02E	+28 45	1	6.8	Ko	4-4-4	2 " Field of 21729 Clouding in!	fine
							4 PH + 11	
							HC SC MTU STU S SW NE Nav. 15 -16.6^S +08.3^S -11.1^S -.2^m -14.9^S +11.8^S -.1^S	

Nov. 15 232 01 06.7 3626.3

Date Mon - Tues Nov 15-16 Observer MR Julian Day 2435062

Nov. 16 0 233 01 33.0 3628.1

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
21875	<i>PCyg</i>	21 ^h 30.2 ^m	+45° 09'	I-25	1030-0	^{red} 008	+4.3 C	18 34 00	18 36 30	1
								18 36 45	18 41 45	"
								18 42 00	18 52 00	"
21876	26 Cyg	19 58.5	+49 50	"	"	"	+4.2	18 57 40	19 13 40	2
21877	53 Dra	19 09.8	+56 41	"	"	" [✓]	+4.2	19 18 45	19 36 45	"
21878	HD 213429									

Dome Temp. +

Focus 15.50

Dome Temp.

Star Angle
End

0:39 W

2:24 W

3:46 W

3626.3

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

Focus 15.502

Dome Temp.

Transparency Conditions

good, but cld in N & elsewhere on horiz.

256

062

0 328.1

Reading Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 36 30	$+45^{\circ}23'$	0	5.17	G8 III	-	Set 1 OLS supp $2\frac{1}{2}''$	
19 4 45					12	5	5
18 52 00	0:39 W				-	9	10
19 13 40	2:34 W $+49^{\circ}58'$	0	6.34	K1 II-III	4-4-4	Set 2 " $16''$	fine
19 36 45	3 46 W $+56^{\circ}47'$	0	6.19	G8 III	4-4-4	8 " $18''$ (haze)	fine
						clouds came in from NW.	
						4 P.H. + 9 Hon M	

Date *Thurs Dec 2-3/54*Observer *Hd-*Julian Day *2435.079*

O 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	<i>θ Per</i>	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	<i>E Eri</i>	03 28.2	- 9 48	"	"	"	"	22 53½	22 55	2
								22 55½	22 59	
							-1.0	22 59½	23 05½	
21880	<i>E Eri</i>	03 28.2	- 9 48	"	"	"		23 10	23 11½	3
								23 12	23 16	
								23 16½	23 23½	

Dome Temp.....

Transparency Conditions

260

Thick clouds earlier

[illegible]

Dec 50 252 14 51.4 3653.1

Date Sunday Dec 5-6/54 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 008	-4.1	18 16 10	18 18 40	4	
								18 19 10	18 24 10		
								18 25 40	18 35 40		1 42 W
21882	{ 72 Cyg	21 30.7	38 05	"	"	"	-4.1	18 40	18 52	1	1 58 W
21883								18 59	19 17		0 27 W
21884	{ H.D. 220334	23 17.8	20 01	"	"	"	-4.2	19 21	19 57	2	1 16 W
21885								20 02	20 20		0 13 W
21886	{ 107 Pise	01 37.1	19 47	"	"	"	-4.3	20 26	20 38	3	0 23 E
21887								20 42	21 00		0 18 E
21888	{ u Cas	01 01.6	54 26	"	"	"		21 11	21 19	4	0 53 W
21889								21 35	21 52		0 47 W
21890	{ E Cet	02 34.7	-12 18	"	"	"	-4.4	22 03 10	22 05 50	1	
								22 07	22 12		
								22 13	22 23		0 26 W
21891	{ H.D. 17925	02 47.7	-13 11	"	"	"	-4.4	22 28	22 50	2	0 39 W
21892								22 56	23 18		0 05 E

Dome Temp... +18°F

Focus... 15.392

Dome Temp...

Transparency Conditions

Good.

262

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 15 40	1 40	45 123	0	5.17	G8 III		Set 1 OLS Prog.	
18 24 10	1 41					12	Set 5	fine
18 35 40	1 42 W						Set 9	
18 52	1 58 W	38 17	0	6.04	K ₁ III	6-6	Set 2 " "	weak
19 17	0 27 W	38 57	0	6.35	K ₀ III	6-6	Set 8 " "	fine
19 57	1 16 W	26 17	0	7.0	G ₀	6-6	Set 2 " "	weak
20 25	0 13 W	05 01	0	6.4	K ₂	6-6	Set 8 " "	weak
20 53	0 23 E	20 00	0	6.04	K ₁ V	6-6	Set 2 MC SC MTW STW S SW ME	weak
21 00	0 18 E	02 52	0	6.4	G ₀	6-6	Nov 20 14.1 +10.7 -35.2 -4 ^m -2.1 +20.5 +5.7	weak
21 13	0 53 W	54 39	0-1	5.71	G ₅ IV	6-6	Dec 12 13.3 +11.2 -32.5 -3 ^m +1.4 +40.0 +1.5	weak
21 50	0 47 W	63 35	0-1	6.44	K ₂	6-6	Set 8 " "	weak
21 58 50	23	-12 07	0	5.3	F-5		Set 1 " "	
22 10	25					12	Set 5 " "	
22 23	0 26 W						Set 9 " "	fine
22 50	0 39 W	-13 00	0	6.6	G ₅	6-6	Set 2 " "	weak
23 13	0 05 E	21 53	0-1	6.6	G ₅	6-6	Set 3 " "	weak

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

[illegible]

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

082
539

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
021E	-05 49	0	70	K0	6-6 15/10	Set 2 OLS Prog. <i>closed shutters</i> haze snow 4 R.H.S loaded +10	<i>weak</i>
						MC SC MTW STW S Sw ME Dec 6. -10.0 ^S +10.4 ^S -30.1 ^S -5.5 ^{+1.05} +20.2 ^S +27.5 ^S +10.9	

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.	Hour Angle End
21894	V548 Cyg	19 ^h 54. ^m 6	+54° 32'	I-25	D3aD	.016 ^{at}	-7.3°C	17:33	18:35	4	3:22 W
21895	HD 207130	21 41.9	+71 52	"	"	.008 ^{at}		18:49	19:00	1	2:00 W
21896	HD 221356	23 26.4	-4 38	"	"	"		19:10	19:38	1	0:52 W
21897	B Ct	00 38.6	-18 32	"	"	"		19:42	-	2	-
	"	-	-	"	"	"		-	-	3	-
	"	-	-	"	"	"		-	19:47	"	3:11 E
21898	13 Ct	00 30.1	-4 09	"	"	"		19 56	20 00	2	-
	"	"	"	"	"	"		20 00 20	20 08	"	0:19
21899	T Ct	01 39.4	-16 28	"	"	"	-7.3	20 11 20	-		-
	"	"	-	"	"	"		12 17	-		-
	"	"	-	"	"	"		13 42	-		-
	"	"	-	"	"	"		16 10	20 20 10		0:38 E
21900	112 Psc	01 55.0	+2 38	"	"	"		20 25	20 37	14	0:31 E
21901	HD 10307	01 35.7	+42 07	"	"	"		20 40 12	20 43 27	"	0:06 E
	"	"	"	"	"	"		20 43 50	23 50 00	"	-

3.9

Dome Temp. $+17^{\circ}\text{F}$

Transparency Conditions

good

266

Focus 15.352

Dome Temp.

83.

54.7

Ending Time
2.1.7.

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18.35	3:22 W	$+54^{\circ} 40'$	1	8.9-9.7	A-D	2-2-2	set 5	fine
19.00	2 00 W	-	1	6.46	K III	12	set 2 windy. 0 LS	good
9.38	0 52 W	$-4 21$	1-2	7.2	T-8	6-6	set 8	good
-	-	$-18 13$	1	3.0	K0	-	set 1 $1/2^{\text{m}}$	
-	-	-	-	-	-	12	5 $4/5^{\text{s}}$	fine
7	0 11 E	-	-	-	-	-	9 2^{s}	
20.10	-	$-3 51$	1-2	5.6	F8	12^{s}	" 2 4	
20.08	0 19 W	-	-	4	"	12	" 8 8	fine
-	-	$-16 11$	1	4.21	G8V	-	" 1 $1/2$	
-	-	-	-	-	-	-	" 4 1	fine
-	-	-	-	-	-	-	" 7 2	
20.20	0 38 E	-	-	-	-	-	" 10 4	
20.37	0 31 E	-	2	6.4	G0	6-	" 2 12^{s}	
20.47	0 06 E	$+42 22$	3	5.57	G2V	-	" 6- 3^{m}	fine
23.51	-	-	-	-	-	"12"	" 10- 6^{m}	

267

☺ Dec 6 253 15 44.5 3653.9
 ☺ Dec 7 254 16 38.4 3654.7

Date..... Observer *MR-O*..... 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.J.	Err Angle End
21902	<i>v And</i>	01 30.9	+40 54	I-25	E103-0	<i>3</i> 008		20 52 20	—	2	0 02 4
	"	"	"	—	—	—		20 53 30	—		—
	"	"	"	—	—	—		20 55 15	20 58 15		—
21903	<i>2 Tri</i>	01 47.4	+29 06	"	"	"		21 01 40	—	3	—
	"	"	"	"	"	"		21 02 13	—		—
	"	"	"	"	"	"		21 30 20	21 31 35		0 25
21904	<i>5 Tri</i>	02 10.8	+33 46	"	"	"		21 34 42	—	4	—
	"	"	"	"	"	"		21 36 48	—	5	—
	"	"	"	"	"	"	-7.3	21 40 50	21 48 50	5	0 13 W
21905	<i>2 Ari</i>	02 01.5	+22 59	"	"	"		21 52 22	—	1	—
	"	"	"	"	"	"		21 52 56	—	2	—
	"	"	"	"	"	"		21 54 20	21 55 40	3	0 35 W
21906	<i>6 Crt</i>	02 34.7	-12 18	"	"	"		21 59 25	—	2	—
	"	"	"	"	"	"		22 01 00	—		—
	"	"	"	"	"	"		22 06 45	22 06 45		0 23 W

3653.9
3654.7

083

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 08 W	41 10	3	4.62	G2V	—	Set 1 150° OLS	
—	—	"	"	"	12	5 1.5	fine
20 57 15	—	"	"	"	—	9 3	
— 3	29 21	3	3.8	F5	—	" 1 20 OLS	
—	—	"	"	"	—	5 40 Here we did blow a fuse	fine
21 31 35	—	"	"	"	12	9 80	
— 4	34 00	3	5.48	G0	—	" R 2 OLS	
—	—	"	"	"	12	8 4	fine
21 48 50	0 18 W	"	"	"	—	9 8	
— 1	23 14	3	3.14	K2	—	" 1 20 OLS	
— 3	—	"	"	"	12	5 40	fine
21 56 20	0 35 W	"	"	"	—	9 80	
— 2	—	1	5.3	F5	—	" 1 2 Here we did break the contact box	
—	—	"	"	"	12	5 8 m	fine
22 04 45	00 23 W	"	"	"	—	9 18	

Date.....Observer MR-O-Hr 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.	Hour Angle End	D
21907	94 Crt	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		22 W	
21908	10 Tau	03 31.8	+0 05	"	"	"		22 52 35	-	4	-	-
	"	"	"	"	"	"		22 54 15	-	"	-	
	"	"	"	"	"	"		22 57 30	23 03 30	"	013 W	
21909	HD 25457	03 57.5	-0 33	"	"	"		23 06 00	-	1	-	
	"	"	"	"	"	"		23 11 15	23 21 15	"	163 W	-
21910	0 ² Eri	04 10.7	-7 49	"	"	"		23 24 30	-	2	-	-7
	"	"	"	"	"	"		23 29 45	23 39 45		011 W	
21911	1 Ori	04 44.4	+6 47	"	"	"		23 43 30	-	3	-	+6
	"	"	"	"	"	"		23 44 37	-		-	
	"	"	"	"	"	"		23 46 35	23 49 35	"	010 E	
21912	58 Eri	04 43.1	-17 07	"	"	"	-7.2	23 54	00 16	4	5015W	-
21913	111 Tau.	05 18.6	+17 17	"	"	"		00 31	00 39		5010W	+1
	"	"	"				-7.2	00 39	00 55		5010W	

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
22 35 3	—	-1° 28'	1-2	5.6	F5	—	ct 1 3 OLS	
22 37	—	—	"	"	"	12	" 6	fine
22 49	0 22 W	—	"	"	"	"	12	need to cut more
— 4	—	+0° 15'	"	4.9	G5	—	" 1 1 1/2 OLS	plates??
— 9	—	—	"	"	"	12	5 3	fine
23 19 9	0 13 W	—	"	"	"	—	9 6	
— 1	—	—	1-2	5.8	F5	—	" 2 5 OLS	fine
23 21 5	0 03 W	-0° 25'	"	"	"	12	8 80	
— 2	—	-7° 45'	0	5.0	G5	—	" 1 5" OLS	fine
23 30 1	0 11 W	—	"	"	"	12	8 10"	
— 3	—	+6° 52'	0	3.62	F6V	—	" 1 45" OLS	
— 4	—	—	"	"	"	—	5 1 1/2	fine
23 35 2	0 13 E	—	"	"	"	12	9 3	
00 16 8	00 15 W	-16° 59'	0	6.0	G0	6-6	" 2 20 min OLS	good
00 29	00 01 W	+17° 20'	0	5.6	F8V	6-6	" 5 8 min "	fine
00 55	00 18 W	"	0	"	"	6-6	" 10 16 min	

Date Dec 6/7/54

Observer.....Hv

..Julian Day..2435083.

[illegible]

Dome Temp. $+13^{\circ}\text{F}$

Focus.....

Dome Temp.....

Transparency Conditions A little cloud n East.

272

Reading Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01	0138W	+32 45	00	6.5	A0	6-6	Set. 2. Binary.	fine
02	0210W	43 11	0-1	8.3	Gop	3-3	" 2. Bidelman's *	fine
03	0025E	-13 49	0	5.8	G1V	3-6	" 2 12m. OLS.	fine
03	0033E	-3 37	0	6.0	F5	4-4-4	" 8 "	fine
04	0019E	28 29	0	6.8	K0	4-4-4	" 2 "	BROKEN
05	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. "	
Wind Turning Dome.								
2 P.H. + 14								
H on M.								

273

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 54.6	+54 32	I 25	K1032C	Set 016	-6.9			
21921	HD 213429	22 26.1	-7 04	"	"	Set 008	-6.9	18 19	18 44	2
21922	91 Aqr	23 10.7	-9 38	"	"	"	-6.7	18 49	18 53	
21923	HD 211166	22 53.5	+8 30	"	"	"		18 54	19 02	
21924	HD 221156	23 26.4	-4 38	"	"	"				
21925	13 Oct	20 30.1	-4 09	"	"	"				
21926	B 14	00 38.6	-18 22	"	"	"				
21928	HD 30353	04 41.8	+3 26	"	"	"	-6.2			

Dome Temp..... 64.5° at 10:00 a.m.

274

Sunset - some cloud, very windy.

	MC	SC	MTW	STW	S	SW	ME
Dec. 8	-9.2 ^s	+8.5 ^s	-40.1 ^s	-.6 ^m	-.3 ^s	-9.7 ^s	-.1 ^s
Dec. 10	-8.8 ^s	+8.8 ^s	-42.1 ^s	-.6 ^m	+7 ^s	+9.7 ^s	+3.1 ^s

Sum

Date.

Dec 12-13/54

Observer.

張

— H. v.

Julian Day

2435089

⑦ 260 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.
21923	1 Peg A	21 17.5	+19 23	I-25	E103a0	008	-0.5	19 04	19 07	3
								19 08	19 14	
								19 15	19 27	
21924	β Cet	00 38.6	-18 32	"	"	"	"	19 36 15	19 36 30	4
								19 38 00	19 38 30	
								19 41 00	19 42 00	
21925	HD 217166	22 53.5	+8 50	"	"	"	"	19 56	20 32	1
21926	49 And	01 24.1	+46 30	"	"	"		20 39	20 55	1
	HD 17925	02 47.7	+13 41				Temp control reset.			
21927	HD 30353	04 41.8	43 06	I-25	E103a0	016	-1.0	23 27	00 57	1
21928	H.D. 36484	05 26.9	32 44	"	"	008	-1.0	01 08	01 34	2
21929	" 65176	07 52.4	-01 20	"	"	016	-1.0	02 12	03 42	3
21930	" 65079	07 51.9	+03 14	"	"	"	-1.0	03 49	04 59	1
21931	" 88230	10 05.3	49 58	"	"	008	-1.0	05 20	06 50	1
	Test		O.F.B.							

Dome Temp. 26°F

Focus 15.417

Dome Temp. 25.5°F

Transparency Conditions good, obs in N

cleared about 11:30

278

Geminids noticeable both last night & to-night

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0031				5.38	GOT	—	et 1. OLS	
			1			6-6	" 5.	fine
0036W	40 04					—	9.	
0147W	37 15	0	8.1	K ₁	4-4-4	" 2	"	fine
0042E	28 28	0-1	6.8	K ₀	4-4-4	" 8	" Northern of Pair	fine
0021E	15 08	0	7.0	G ₅	4-4-4	" 2	"	fine
0020E	36 00	0	6.22	G _{8IV}	4-4-4	" 8	"	fine
0039E	23 18	0	6.2	F ₅	4-4-4	" 2	"	fine
0115E	45 20	0-1	7.0	G ₀	4-4-4	" 8	" Brighter *	fine
0044E	38 00	0-1-2	7.24	G _{6IV}	4-4-4	" 2 MC	SC ^s MTW STW S ^s SW ^s ME ^s	fine
0114E	37 30	1-2	6.5	F ₈	4-4-4	Dec 13 ^s -5.0 +8.3 ^s	-45.1 -6 ^m +3.0 +40.1 +2.7 ^s	fine
0117E	-19 42	00	6.0	K _{IV}	4-4-4	" 2	"	weak
						15/10	" 8 1 PH. + 12	
							H. M.	
							MC SC MTW STW S SW ME	
							Dec. 15 -3.3 +7.7 ^s -45.2 ^s -2 ^m +3.5 ^s +5 ^s +8.4 ^s	

⊙ Dec. 16 263 25 22.9 3663.1

⊙ Dec. 17 264 26 26.0 3664.1

Date Thurs Dec 16-17/54 Observer L- (0) 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.	Hour Angle End
21942	H.D. 213429	22 26.1	-07 04	I-25	E-103.0	set 008	-1.2	17 30	18 09	4	0 53 W -0
21943	91 Aqr	23 10.7	-9 38	"	"	"		18 13	18 25		0 24 W -0
21944	1 Peg	21 17.5	+19 23	"	"	"	-1.1	18 32 ³⁰	18 38 ³⁰	3	
"	"	"	"	"	"	"		18 38 ⁴⁰	18 50 ⁴⁰	"	2 44 W
21945	13 Gt.	00 30.1	-4 09	"	"	"		18 54	19 10	2	0 16 E -0
21946	B Gt	00 38.6	-18 14	"	"	"		19 13 ⁴⁵	19 14 ¹⁵	3	
	"	"	"	"	"	"		19 15 ¹⁰	19 16 ¹⁰	3	
	"	"	"	"	"	"		19 16 ³⁰	19 18 ³⁰	3	
	"	"	"	"	"	"		19 18 ⁴⁵	19 22 ⁴⁵	3	0 07 E
21947	51 Peg	22 52.5	+20 32	"	"	"	-1.1	19 29	19 51	2	2 09 W +2
21948	85 Peg	23 56.8	+26 34	"	"	"		19 55	20 25	4	1 38 W +2
21949	107 Psc	01 37.1	+19 47	"	"	"		20 28	20 48	4	0 21 W 2
21950	HD 220334	23 17.8	20 01	"	"	"		20 55	21 49	1	7 42 W 2
21951	94 Cet	03 07.7	-01 34	"	"	"	-1.1	21 54	22 08	1	0 10 W -0
21952	HD. 4628	00 43.1	04 46	"	"	"		22 13	22 47	2	3 14 W 0
21953	" 16160	02 50.6	06 25	"	"	"	-1.2	22 50	23 34	2	2 13 W 0

3663.1
3664.1

Dome Temp. $+27^{\circ}\text{F}$

Transparency Conditions

Focus. 15.432

Dome Temp.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 09 4	0 53 W	-06 48	0	6.6	F8	4-4-4	Set 2 O.L.S. Prog.	good
18 25	0 24 W	-09 20	0	5.1	K0	6-6	5 1/2 12" OLS	fine
18 31 1		+19 35	0	5.19	K1 III	6-6	" 2 6" "	fine
18 50	2 44 W			"	"	6-6	" 8 12" "	fine
19 10 2	0 10 E	-31 51	0	5.6	F8	6-6	" 2 16" OLS.	fine
19 15 3			0	3.0	K0		" 0 1/2 OLS	
19 18 3							3 1"	fine
19 18 3						12	6 1/2 2	
19 22 3	0 07 E						10 4	
19 51 2	2 09 W	+20 31	0	6.21	G0	6-6	Set 8 22" OLS	fine
20 15 4	1 38 W	+26 52	0	6.41	G2	6-6	" 2 30" OLS	good
20 48 4	0 21 W	20 02	0	6.04	K1	6-6	Set 8 20" "	good
21 19 1	3 42 W	20 18	0	7.0	G0	6-6	Set 2 34" "	good
21 38 1	0 10 W	-01 24	0	5.6	F8	6-6	" 8 14" "	fine
22 47 2	3 14 W	05 03	0	6.4	K2	6-6	" 2 34" "	fine
22 54 4	2 13 W	06 40	0	6.81	K1 K4	6-6	" 8 14" "	fine

Dome Temp. 21°F

Transparency Conditions Good.

Focus.....

Dome Temp.....

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 20 30 30E	35 24	0	6.7	Go	6-6	Set 2 O.L.S. Prog	(strong)
01 00 47W	+10 37	00	7.0	G-5	4-4-4	" 8 " 0145 Aurora.	(strong)
					15/10	" 5 - Haze + thin Cloud from SW.	
						4. P.H. +13	
						Hon. M.	
						MC SC MTW 3TW S SW ME	
						Dec. 17 -2.9 +6.0 -50.1 -.1 ^m +3.2 +17.5 +2.2 ^s	
						Dec. 20 -1.1 ^s +.7 ^s -52.9 ^s -.6 ^m +3.0 -16.5 ^s +4.1 ^s	

Dec 20 0 267 29 40.9 366.5
Dec 21 0 268 30 47.4 367.9

...Julian Day...2435097...

[illegible]

284

Dome Temp. $+12^{\circ}\text{F}$ Transparency Conditions *very good*Focus *15.342**Olds in Still*

Dome Temp.

Ending Time
EST.Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

18:43

0:51 W

 $-4^{\circ} 21'$

1.5

7.2

F8

4-4-4

sit 5

OLS $\leftarrow$ 1st Dec 4 RA clamp stuck*pin
1 week*

20:14

2:56 W

 $+9^{\circ} 05'$

1

6.9

G0

12

sit 8 1/2

Thru old; RA slow motion stuck in on pos.

Too cloudy to continue

Date Tues. Wed. Dec 21-22/54 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.	Angle End
21958	HD 211476	22 12.2	+12 23	1-25	E103a.0	.008	-9.8	17 27	18 37	2	2.04W
21959	HD 217166	22 53.5	+8 50	"	"	"	-9.5	18 42	19 18	2	2.04W
21960	HD 6343	0 59.4	+65 26	"	"	"	-9.6	19 32	20 12	3	0.51W
21961	HD 4180	0 39.2	+47 44	"	"	"	-9.6	20 17 ¹⁰	20 20	4	
"	"	"	"	"	"	"	"	20 20 ¹⁵	20 26	4	2.26W
21962	HD 17925	02 47.7	-13 11	"	"	"	-9.6	20 36	21 22	1	0.19W
21963	10 Tau	03 31.8	+0 05	"	"	"		21 26	21 33	1	0.19E
21964	HD 19243	03 00.7	+62 00	"	"	"	-9.7	21 42	22 12	3	0.53W
21965	HD 21650	03 24.6	+41 25	"	"	"	-9.7	22 17	23 15	2	0.35W
21966	8 Tau	04 14.1	+15 23	"	"	"	-9.7	23 22	23 32	3	
"	"	"	"	"	"	"		23 32	23 36	3	1.02W
21967	8 Tau	04 17.2	+17 18	"	"	"		23 39	23 47	4	0.09W
"	"	"	"	"	"	"	-9.7	23 47	23 51	1	1.14W
21968	6 Tau	04 22.8	+18 58	"	"	"		23 55	23 59	1	
"	"	"	"	"	"	"		23 59	00 07	1	1.29W

Dome Temp. +14

Transparency Conditions

Clear

ocus. 15.322

Dome Temp. +6

Reading Time R.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
9 37	2 04 W	+12 40	1	7.6	G2	4-4-4	St 2 OLS	fin
9 38	2 04 W	+9 05	1	6.9	G0	4-4-4	" 8	fin
20 12	0 51 W	+65 42	1	7.1	B5e	4-4-4	" 2 Be	fin
20 20			0	4.7	B4m	12°	" 2 3" Be	fin
20 24	1 26 W	+48 01	0	"	"	6-6	" 8 6" "	fin
21 22	0 19 W	-12 58	0	6.6	G5	4-4-4	" 2 as	fin
21 33	0 19 E	+0 15	0	4.9	G5	6-6	" 8 "	strong
22 12	0 50 W	+62 12	0	6.5	B2e	4-4-4	" 8 Be	fin 7
23 15	1 38 W	+41 33	0	7.2	B5m	4-4-4	" 2 Be	fin
23 22			0	4.60	K0	6-6	" 2 4" OLS	fin
23 33	1 02 W	+15 30	"	"	"	12	" 8 8" "	fin
23 44	0 9 W	+17 19	0	4.71	K0	6-6	" 2 8" OLS	
23 51	1 14 W		"	"	"	12	" 8 1" "	fin
23 59		+19 04	"	4.58	K0	12	" 2 4 OLS	fin
20 07	1 24 W		"	"	"	6-6	" 8 8 "	fin

2 PH moved up will
put both ^{plate} on box one
will be added.

clouds.

Room Temp.

Focus.

Room Temp.

[illegible]

3667.3
3667.9

288

ome Temp.....

Transparency Conditions.....

ocus.....

ome Temp.....

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03:22	0.54W	32 45	0	6.50	A0	4-4-4	net 5 Sp. binary	fine
03:40	2.04W	37 35	0	7.4	B5ne	4-4-4	net 8 Be. prog. The same plate as 21965	fine
03:57	2.30W	15 08	0	7.7	B3e	4-4-4	2 "	good
03:59	3.08W	14 55	0	7.1	B2ne	4-4-4	8 "	fine
04:03	3.23W	11 15	0	5.8	B2ne	6-6	2 " Star gone	local
						15/10	8	ct. red.
							4PH, plates needed	

ome Temp.....

Transparency Conditions.....

ocus.....

ome Temp.....

Dec 22/54

Changed to 12 $\frac{1}{2}$ camera 25" was { Focus 15.322 } 12 $\frac{1}{2}$ is { Focus 12.934 }
 { f/11 23.15 } { f/11 20.35 }

Ending Time
E.S.T.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 OK

MC SC MTW STW S SW ME
 Dec. 22 -1^s +2.0^s -55.2^s -8^m +1^s +4.8^s +20^s

Dome Temp... +23...

Transparency Conditions... Settled clouds at beginning

Focus... 12.933...

Good

Dome Temp.....

3 PH E103a-0-5 1 RH H1 Speed: #1
#2,3,4

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	+48 00	0	6.7	G5	4-4	Set 2 α Per C1 #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 $+4.4^s$ $+1.7^s$ -20.1^s -7^m $+9^s$ -19.4^s -4.5^s	

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

Focus. 12934

Dome Temp. $+30^{\circ}$ Transparency Conditions *Scattered Clouds*

110.

668.9

Reading Time
R.T.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
21 17	2 0° 31 W	+49 35	0+	7.8	AO	2-2-2	Ext 2 α Per #386 <i>Scattered Clouds</i>	<i>fine</i>
21 57	2 1 10 W	+48 26	0	7.6	AO	2-2-2	" 8 α Per #423	<i>fine</i>
22 24	3 1 37 W	+50 48	0	7.0	B9	2-2-2	" 2 α Per #441 <i>Clouds</i>	<i>strong</i>
23 08	3 2 18 W	+51 36	0	7.7	AO	2-2-2	" 8 α Per #575	<i>strong</i>
				6.8	B9	" 2	α Per #551 <i>Clouded over</i>	
							1 PH hi speed	
							1 PH E103a-0 +12	
							MC SC MTW STW S SW ME	
							Jan 3 $+1.7^S$ $+8.3^S$ -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	

Date.....*Fri Jan 7-8, 1955*.....Observer.....*Ad-*.....

...Julian Day..2435115.

② 286 51 21.9 3667.6

[illegible]

Dome Temp. ... 24° F

Focus.....

Dome Temp.....

Transparency Conditions

[illegible]

Jan. 13	①	291	57	04.1	3666.8
Jan. 14	①	292	58	10.9	3666.8

Dome Temp. 72
 Focus 1293
 Dome Temp.

Hour	Angle	End
0.51E	+	
0.01W	+	
0.02W	+	
0.45V	+	

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

Dome Temp.

Transparency Conditions *Clim, Clouds in West*Wed Jan 12. 13 Visitors from Spec N course at CNS,
RCAT Station, w. peg. Showed telescope etc.

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
19 01 3	0 51 E	+47 53	0	8.6	F0	2-2-2	522 α Per #104 Sid Clock 1 ^m fast	fine
20 01 3	0 01 W	+49 13	1	8.6	A0	2-2-2	" 8 " 354 Some cloud.	fine
21 01 4	0 02 W	+43 11	1-2	8.3	Gop	2-2-2	" 5 Bidelman's Star. " "	strong
21 01 2	1 45 W	+51 29	1-2	9.0	A3	2-4	" 2 α Per #522 Clouds - Snow.	No Spect.
						15-10		
							2 PH 103 a-o + 6	
							1 PH hi speed.	
							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	

Date June 18/19 1955, Tue-Wed Observer — Pm

Præ

Julian Day...2435126.

① 298 03 42.4 3665.4

[illegible]

Dome Temp. +12

Transparency Conditions Clearing late in the night.

Focus.....

Amma

Dome Temp. +8

Ending Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
04 54 W	43 10	0	8.3	GOP	2-2-2	set 5 Biddleman *	fine
02 50 W	24 46	0	8.74	KO	2-2-2	2 AB 25	fine
02 39 W	27 56	0	8.49	KO	2-2-2	8 " clouds + gusty wind	good
					15/10	5	ctered
						1 PH Hi-speed	
						2 PH E 103-a-o + 4	
						ME SE MTW STW S SW ME _S	
						Jan. 19 +9.0 ^S -10.7 ^S -13.1 ^S -1 ^m +4.4 ^S -30.6 ^S -15.9 ^S	

Date Jan. 19/20, 1955 Wed-Thurs Observer Fox - H_v Julian Day 2435121.
 0 299 04 47.8 3665.0

[illegible]

Dome Temp. +16°F

Transparency Conditions *Partially cloudy*

Focus.....

bright aurora

Dome Temp. + 8° F =

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

Ending Time R.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 05 W	49 00	1	9.1	A9	2-2-2	2	2 Per #501	fine
02 20 W	51 29	1	9.0	A3	2-2-2	8	#522	fine
02 41 W	48 25	1	6.8	B9	4-4-4	2	#581	fine
03 33	47 44	1	7.7	A0	4-4-4	8	#625 Temp. unsteady	fine
05 43 W	49 02	0	9.0	A0	2-2-2	2	#606	fine
00 54 W	27 56	0	8.98	K0	2-2-2	" 2	A.G. 25.	good
02 44 W	25 16	0	9.0	G5	2-2-2	" 8	" " Guiding hopeless	good
7					8/6	" 5	0536 Drifting in both RA & dec. Seeing very poor.	not satisfactory
2 P.H. Plates Needed.								
Hon. M.								
<u>Telescope running slow all night!!</u>								

Jan 20 @ 229 04 47.8 3665.0

Date Thurs-Fri Jan 20-21, 1955 Observer O-H Julian Day 2439129

Jan. 21 @ 300 05 52.8 3664.5

[illegible]

Dome Temp. $+115^{\circ}\text{F}$

Focus. 12934

Dome Temp.

Transparency Conditions *Clear*

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 39	1 04 E	+48 11	0	7.4	A0	2-2-2	Sid 2 α Per # 692 PA. slow Motion streak on 15 th exposure last	strong
19 32	0 09 E	+49 07	0+	8.4	A4	2-2-2	" 8 α Per # 651	strong
21 24	1 22 W	+46 50	1	8.9	A3	2-2-2	" 2 α Per # 665	strong
21 11	2 00 W	+48 07	0+	7.9	A0	2-2-2	" 8 α Per # 756	strong
22 06	2 23 W	+48 01	0+	6.8	B9	4-4-4	" 2 α Per # 735	strong
22 32	2 49 W	+47 34	1	7.1	A0	4-4-4	" 8 α Per # 775	strong
23 03	3 19 W	+49 47	1-2	8.0	A0	2-2-2	" 2 α Per # 780	strong
23 57	4 13 W	+49 13	1+	8.5	A3	2-2-2	" 8 α Per # 802	strong
01 54	05 28 W	49 44	0-1	8.6	A4	2-2-2	" 2 α Per # 731 0110 Haze + Cloud from S.W.	fine
						8/6	" 8	cloudy to mid.
							2 P.H. + 8	
							H.M.	
							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 -14.5 -21.1 -3 ^m +5.3 -28.7 -3.2	
							26 +26.6 -14.5 -17.5 -1 ^m +7.6 -8.7 +0.3	

0 Jan. 27	306	12	09.1	3659.6
0 28	307	13	08.7	3658.4

Date Thur-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	I-12	E163a-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 39	(21) 17	3
	BD+48°944	3 24.9	+48 16	"	"	"				

Munster
2 Jan 4.

135.

Focus...12.934

Dome Temp. 12° F

Transparency Conditions

Chas.

306

[illegible]

Date Jan 28/29/55 Fri. Sat. Observer — Hr

Julian Day 2435136

0 308 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.	Hour Angle End
22008	H.D. 87647	10 01.2	13 17	I-12½	E1030-0.008		-11.5	01 51	02 29	3	6039W
22009	" 87271	09 58.8	12 07	"	"	"	-11.5	02 34	02 56	"	0108W
22009F	87363	Focus lost			0.7/13, HiSpd. Plate.					1	

Dome Temp.....

Transparency Conditions Clear.

308

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02:43	00 39W	+12 59	00	7.51	A5	2-2-2	Set 2	fine
02:46	01 08W	11 51	00	7.04	A0	2-2-2	" 8	fine
	i					15/10	" 25	et redalittle
<u>0345</u> Dec quick motion will not Engage if cold Motor brushes sparking quite a bit. 2 P.H. + 2 E 1030-0 H on M.								

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

LOCUS... 12.934

ome Temp. $+40^{\circ}\text{F}$

Transparency Conditions

Clear

310

[illegible]

[illegible]

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

Focus 12 934

Dome Temp.

Transparency Conditions

Start delayed because of light clouds.

Ending Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
49 38	0	2.0	A5	2		Set 2 - L Persei star gone at 19 20 4 PH.s loaded + 7 H on M	
						MC SC MTW STW S SW ME	
						Jan. 31 $+30.6^{\text{S}}$ -17.9^{S} -27.2^{S} $-.6^{\text{m}}$ $+10.3^{\text{S}}$ -20.0^{S} $+1.7^{\text{S}}$	
						Feb. 2 $+31.5^{\text{S}}$ -20.8^{S} -23.4 $-.4^{\text{m}}$ $+10.3^{\text{S}}$ -0.8^{S} -5.7^{S}	

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

⑦ 313 18 40.2 3650.5

[illegible]

Focus.....

ome Temp. 90 Was - 10 for a while.

Transparency Conditions *Very good*.....

314

Focus next at 12.923

[illegible]

Date Thurs-Fri Feb 3/4, 1955 Observer BoR - Hr Julian Day 243514.2
 ① 314 19 30.7 3649.3

① 314 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	Star Angle End
22022	{ BD + 49° 975	03 29.8	+49 24	T-12 1/2	E103-a-O	2et 008	-13.5	18 32	20 40	4	01 42
22023		03 30.6	+47 04	"	"	"	-9.0	20 48	22 30	4	02 16
22024		{ BD + 47° 862	03 30.8	+47 51	"	"	"	-7.8	22 36	23 16	1
22025	BD + 48° 949		03 27.3	+48 19	"	"	"	-6.8	00 03	00 23	1
22026	H.D. 30353	04 41.8	43 06	"	"	"	-6.8	00 35	01 45	2	03 33 W
22027	{ B.D. + 30° 2024	10 24.1	30 01	"	"	016	-6.6	02 10	04 11	3	02 20 1/2
22028		H.D. 105020	12 00.4	29 04	"	"	"	-6.7	04 20	06 30	1
Focus - 700 ft 0.47.13.											
* Note: all these plates should be marked "Temp?" JFH											

Dome Temp. + 8°F

Transparency Conditions *good windy*

Focus.....

Dome Temp. + 1°F

Reading Time
L.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 42 W	49 33	0	9.0	A2	2-2-2	set 2 1260 #1183	weak
03 32 W	47 12	0	9.0	F3	2-2-2	8 " #1218	weak
10 45 W	48 00	0	8.8	F7	2-2-2	2 #1225 Temp. unsteady!	good
05 29 W	48 29	0	7.0	A0	2-2-2	8 #1082	good
05 33 W	43 14	00	8.3	Gop	2-2-2	" 2 Bidelma's * <i>wrong * sp. B8 for A0.</i>	weak
02 24 W	29 43	00	9.66	F6	1-1-1	" 5 K.A.F.S.	strong
03 04 W	—	0	9.56	K0	1-1-1	" 9 "	fine
					4/3	" 2	eternal

1 P.H. + 12

Hon. 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

Dome Temp. +16 F

Transparency Conditions Good

Focus.....

Dome Temp.....

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

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
2 05 4	W 1 14	50 08	0 -	9.2	A ₂	1-1-1 Set 2 & Per Cl. # 1050	008 l wk
21 2	W 2 13	49 19	0	9.2	A ₀	1-1-1 " 8 " " # 1344	l wk
22 6 1	W 3 35	50 10	1	9.1	F ₀	1-1-1 " 2 " " # 609	fine
23 25 2	W 3 20	43 12	1	8.3	G ₀ p	2-2-2 " 2 Bidelman's * Some clouds	slm
23 40 3	W 2 50	32 45	1	6.5	A ₀	2-2-2 " 2 N Binary	strong
20 19 4	03 20 W	44 50	1	7.67	A ₂	2-2-2 " 2 KA 6x6	strong
				7.76	A ₀	2 " 8 " 0028 Cloud from S.E.	
					8/6	" 5 3 P.H. + 4	
						Ham M.	
						MC SC MTW Stw S SW ME	
						Feb 7. ^s -32.9 ^s -0.5 ^s -13.2 ^m -0.1 ^s +2.6 ^s -6.6 ^s +22.1	

Feb. 7 ① 317 21 54.5 3645.4

Feb. 8	0	318	22	39.9	3644.2
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Date 1955 Feb 7/8 Mon-Tue Observer MR-Hr Julian Day 2435.146

[illegible]

3645.4
3644.2

320

Dome Temp. $+23^{\circ}F$

Transparency Conditions

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18.27 3	1:58 E $+35^{\circ}20'$	0	6.6	09.5 III	2-2-2	Set 5 OB p.26	fine
20.50 2	2:06 W $+47^{\circ}12'$	0	9.0	F3	2-2-2	Set 2 & Per 1218	good
23.15 1	4:38 W $+49^{\circ}31'$	0	9.0	A2	2-2-2	Set 8 " 1183. seems very faint	too weak
24.00 1	0:18 E $+55^{\circ}46'$	0	7.46	A0	2-2-2	Set 2 8x8	fine
00.00 1	06 04 W $61^{\circ}04'$	0	7.45	F0	2-2-2	" 8 "	strong
02.00 1	2 19 W $29^{\circ}45'$	0	9.45	F3	1-1-1	" 2 K.A.F.S.	strong
04.00 1	00 58 W $44^{\circ}30'$	0	9.48	F8	1-2-	" 8 "	strong
06.00 3	02 28 W $28^{\circ}55'$	0	9.76	145	1-1-1	" 2 "	good.
					4/3	" 8 2 P.H. E 103 a.O. cored slightly	
						Plates Needed.	
						Hon. M.	
						MC SC MTW STW SW S ME	
						Feb. 9 $+25.1^S$ -2.5^S -14.9^S 0 $+1.5^S$ $+2.7^S$ $+16.0^S$	

Dome Temp.....

Transparency Conditions Clear

Feb 8 1953 Changed to
25" camera

$12\frac{1}{2}$ " was Focus 12.925
 25" is Silt 20.35 Focus 15.385
 Silt 23.15

[illegible]

Date Sat-Sun Feb 12-13, 1955 Observer O - PK Julian Day 2435.151323 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.	Hour Angle End
22046	HD 30353	04 41.8	+43.06	J-25	E10300	.016	-11.7	22 45	23 13	4	3 39W
22047	α Aur	05 09.3	+45 54	"	"	⁵⁷ .008		23 20		3	
	"	"	"								
	"	"	"								
	"	"	"						23 21		3 20W
22048	λ Aur	5 12.1	+40 01	"	"	"	-11.7	23 26	23 34	1	3 31W +4
22049	56 Aur	6 39.5	+43 41	"	"	"		23 37	23 51	1	2 19W +1
22050	β Gem	7 39.2	+28 16	"	"	"		23 55		2	
	"	"	"					23 56			
	"	"	"					23 57	23 58		2 28W
22051	α CMi	7 34.1	+5 29	"	"	"		00 08		3	
	"	"	"								
	"	"	"								
	"	"	"						00 09		01 45
22052	HD 52711	6 57.2	+29 31				-12.0	00 15	00 35	4	2 48W +23
22053	31 Hya	9 24.1	-2 19	"	"	"		00 38	00 44	2	2 50W -2

Dome Temp. $+8.0^{\circ}\text{F}$ Focus 15.300

Dome Temp.

Transparency Conditions $\text{Clouds until } 10:15 \text{ PM}$ *gradually clearing*

324

151

3638.5

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 13	4	3 39W +43 11	0	8.3	Gop	2-2-2	Set 5 - Bidelman's Star	
23 13	3			0.7	G0		" 1 1 ^s OLS	
							4 2	
							7 4	
23 21		3 20W —	0			—	10 8	Two weeks
23 34	1	3 31W +40 01	0	5.38	GoV	6-6	" 2 9 ^m OLS	good
23 51	1	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	28 W +28					" 9 40 ^s	
	3			0.74	F5		" 1 15 OLS	
							4 2 ^s	two weeks
							7 4 ^s	
00 09		01 45		6.4 F8			10 8 ^s	
00 35	4	2 46W +29 24		6.4	F8	6-6	" 2 OLS	lunar
00 44	7	0 29W -2 36	0	4.9	F5	6-	" 8 "	fine

Date cont.Observer O - R.R.Julian Day 2435151323 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	F103a-0	.008		00 49			
	"	"	"					00 50			21
	"	"	"					00 52	00 55		3 15W
22055	HD 76943	8 54.2	+42 11	"	"	"	-11.8	01 01	01 02		
								01 02	01 04		
								01 04	01 08		01 23W
22056	0 UMa	9 26.2	+52 08	"	"	"		01 13			
	"							01 14			
	"							01 16			01 50W 5
22057	{ HD 71148	08 20.7	+46 00	"	"	"	-12.0	01 24	01 34	4	01 42
22058	{ 20 LMi	09 55.3	+32 26				-12.0	02 01	02 13	4	01 27W 32
22059	{ HD 89744	10 16.3	+41 44				-12.2	02 20	02 36	1	01 32W 2
22060	{ 36 UMa	10 24.2	+56 30					02 40	02 44	1	01 28W 1
22061	{ HD 88230	10 05.3	+49 58	"	"	"	-12.0	02 51	04 21	2	03 26 45
22062	{ HD 110833	12 39.8	+52 19				-12.0	04 27	05 27	2	01 02W 5
22063	{ HD 126053	14 18.1	+1 43				-12.0	05 36	06 00		00 50W

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

51
3-5Ending Time
R.T.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20			3.8	F5		964 1 40 OLS	
21					12	5 80 ^s	quadrant bad weak
00 55	3 25W	12 55				9 200 ^s	
01 02			4.38	F5 I		" 1 1 ^m OLS	
01 03					12	5 2 ^m	fine
01 18	01 23W	41 56	0			9 4 ^m	
			3.8	F8		" 1 40 OLS	
					12	5 80	fine
	01 00W	51 53	0			9 160	
01 24	02 42W	45 46	0	6.8	G0	4-4-4 2 OLS	fine
01 28	01 27W	32 06	0	6.0	G5 V	4-4-4 8 "	fine
01 30	01 30W	41 25	0	6.2	F5	4-4- 2 " WK comp. 8 ^m	fine
01 34	01 28W	56 12	0	5.33	F8 V	12 8 "	fine
01 41	03 26W	49 40	0-1	7.97	dt 10	4-4-4 2 "	fine
01 52	02 00W	52 00	1	7.8	K3	4-4-4 8 "	fine
01 50	00 52W	1 26	1	6.8	G0	4-4-4 2 "	fine

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp. 0° F

Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 00W	-01 58	1	54	G2M	1/2	rich 8 OLS	fine
00 55W	+17 08	1	54	KOM	6-6	1 OLS	fine
00 36W	+01 58	1	5.6	F812V	6-6	5 "	fine
					15/10	9	O.K.

2 PH +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

Dome Temp. +26°F

Focus.....15.442

Dome Temp.....

Transparency Conditions *clouds earlier, clearing gradually*

330

Hour	Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 04	1		0	4.9	KI IV		alt. 1 OLS	
20 04	31				"	12	5	weak
20 05	0 23 E	-19 13					9	
20 05	0 24 W	-5 07	0	7.5	K4	4-4-4	1 OLS	weak
20 05	0 39 W	29 22	0	6.4	F8	4-4-4	9 "	good
20 05	0 42 W	43 11	0	8.3	G0 p	4-4-4	5 Bode's main star	fine
20 05	42		0	5.26	F7 IV-V		1 OLS	
20 05						12	5	fine
20 05	0 50 W	67 17					9	
20 18	0 100 W	61 35	0	5.7	F8	4-4-4	2 OLS	good
20 42	0 0 19 E	40 38	0	5.6	G0 V	4-4-4	8 "	good
01 26	0 15 1 E	-19 42	0	6.0	K1 IV	4-4-4	2 "	good
00 10	0 1 19 E	-13 45	0	5.7	K1 III	4-4-4	8 "	fine
00 31	0 0 59 E	+14 01	0	5.69	G5 V	4-4-4	2 " 3 P.H. 103a-0	fine
00 30	0 10 8 E	-12 08	00	6.6	F8	4-4-4	8 " H. on M.	fine
						15/10	" 5	ct. red.

0300 Some Haze

0330 More Haze

Some clouds faintly

Plates Needed.

Date Jan Feb 25-26/55 Observer HL-HV Julian Day 2435164
 0 336 32 46.0 3619.2

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
{ 22078 22079 22080	MWC 88 HD 29866	4 37.3	40 36	I-25	E10300	008	+0.7	19 49	20 03	4	N 124
	MWC 93 HD 31293	4 49.4	30 24	"	"	"	+0.7	20 07	21 35		N 145
	MWC 115 HD 37202	5 31.7	21 05					21 42½	21 43	1	
								21 44½	21 45½		
								21 47	21 49		N 217
{ 22081 22082 22083	MWC 190 HD 65875	7 55.8	-2 36	"	"	"	+0.7	21 58	22 20	2	N 25
	MWC 156 HD 50083	6 46.5	+5 13	"	"	"	+0.7	22 25	23 01	2	N 215
	HD 76943	8 54.2	+42 11	"	"	"	+0.4	23 08	23 09	3	
								23 10	23 12		N 21
								23 12	23 16		
22084 {	81 Cnc	09 06.9	+15 24	"	"	"	+0.3	23 24	00 54	4	0148W 40
	From For				0.9/13						

Dome Temp..... + 30

Focus..... 15.452

Dome Temp.....

Transparency Conditions

1 day + Cloudy.

332

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 03.4	W 124 40 41	00	6.1	B2e	2-2-2	Be. Prng. Set 2	good
21 35	W 245 30 28	0	7.5	Acep	2-2-2	" " " 8 clouds much of time	good
21 43			3.0	B3e	6	" " Set 1	fine
21 45					6	" " " 5	
21 49	W 217 21 05	U			6	" " " 8	
22 20	W 25 ^m -2 46	0	6.4	B2e	2-4	" " Set 2	fine
23 01	W 215 +5 09	0	6.8	B2e	2-2-2	" " " 8	good
23 09			4.38	F5V		OLS " 1	fine
23 12	W 21 ^m				12	" 5	
23 16						" 9	
00 54	-01 48 W +15 09	0	7.0	G5	4-4-4	OLS MC Set 2 15/10 Feb. 25 -19.4 -1.9 -8.5 -1 ^m +19.2 -3.4 -4.7 K Set 8. Haze + Cloud after Mid.ite.	weak
						Feb. 28 -16.5 -3.1 -14.9 -2 ^m +20.8 +27.4 -4.7	
						1.P.H. + 8	
						H.M.	

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

0 340 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 12.9	+32 06	I-25	E103-a-O	net .008	+2.0	01 47	01 51	1
								01 51	01 59	
								01 59	02 11	
22086	{ β Vir	11 45.5	+2 20	"	"	"	+2.0	02 16	02 20	2
								02 20	02 28	
								02 28	02 44	
22087	{ ϵ Vir	12 57.2	+11 30				+1.8	02 50	02 52	3
								02 53	02 57	
								02 57	03 05	
22088	{ 69 Vir	13 22.1	-15 27				+1.8	03 13	03 29	4
22089								70 Vir	13 23.5	+14 19
22090	{ τ Boo	13 42.5	+17 57				"	03 52	03 54	1
								03 54	03 58	
								03 58	04 06	
22091	{ θ Boo	14 40.5	+17 23				"	04 12	04 20	2
								Focussed on T-B		

Dome Temp... +30

Transparency Conditions... cloudy earlier, still some haze & cloud

Focus... 15.472

Dome Temp...

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 51		31 45	1	4.2	F9		rel 1 OLS progr.	
01 59						6-6	5	fine
02 11	01 14 W						9	
02 20		2 00	1	4.17	F8 V		1	
02 28	58					6-6	5	fine
02 44	01 15 W						9 more cloud	
02 52		11 10	1	3.6	G9 III		1	
02 57						12	5	strong
03 05	00 25 W						9	
03 20	00 24 W	-15 45	0	5.7	K1 III	4-4-4	2	weak
03 44	00 38 W	14 00	0	5.69	G5 V	4-4-4	8	fine
03 54	28	17 40	0	4.99	F7 V		1	
03 38	32					12	5	fine
04 06	00 40 W						9	
04 20	00 03 E	17 06	0	5.4	K0 III	6-6	2	good
						15/10	8	OK.
							20 H plates needed	

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

Date Sun Mar 6-7, 1955 Observer Hd- Hs 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	Hour Angle End
22092	7 Cma	06 32.3	-19 10	I-25	E10320	008	-	18 57	18 59 3		
								19 01	19 05		
							-1.1	19 06	19 14		2 45 ^m
22093	MWC 164 HD 52721	06 57.2	-11 09	"	"	"	-2.6	19 20	19 48	4	2 34 ^m
22094	HD 50281	06 47.4	-5 03	"	"	"	-2.7	19 53	20 47	7	W 35 ^m
22095	9 Pnp	07 47.1	-13 38	"	"	"	-2.8	20 52	20 58	2	
								20 58	21 12		00
22096	I Hya	08 19.7	-3 26	"	"	"		21 17	21 25	3	
							-2.7	21 25	21 41		2 03 ^m
{ 22097	55 Cnc	08 46.6	+28 43	"	"	"	-2.9	21 46	22 08	4	2 03 ^m
{ 22098	HD 71148	08 20.7	+46 00	"	"	"	-2.8	22 15	22 39	4	W 53 ^m
{ 22099	81 Cnc	09 06.9	+15 24	"	"	"	-2.8	22 44	23 14	7	W 43 ^m
{ 22100	11 LMi	09 29.7	+36 16	"	"	"	-3.0	23 20	23 40	1	

027
008

Dome Temp. +22 F

Focus 15.405

Dome Temp.

Transparency Conditions *Good*

336

5173

Reading Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 59 3				4.9	K ₁ IV		Set 2 OLS	weak
19 05						12	" 5	
19 14	E 43 ^m	-19 12	0					
19 48 4	E 34 ^m	-11 15	0	6.6	B3C	4-4-4	Be Prag	local
20 47 7	N 35 ^m	-5 07	0.1	7.5	K ₄	4-4-4	OLS	weak
20 58 2				5.8	G ₁ V	12	Set 2 OLS	fine
21 12	00	-13 48	1			-	" 8	
2 25 3			1	6.0	F5	12	" 2 OLS	
2 25 3	E 03 ^m	-3 37	1				" 8	fine
2 28 8	E 03 ^m	28 29	1	6.8	K ₀	4-4-4	" 2 OLS	
22 39 4	N 53 ^m	45 46	1	6.8	G ₀	4-4-4	Mar. 2 -15.0 -3.5 -19.9 -.3 ^m +23.4	fine
23 14	N 43 ^m	15 09	1	7.0	G ₅	4-4-4	" 2 OLS 4 -21.1 -3.1 -21.2 -.3 ^m +26.0	weak
23 40		35 59	1	6.22	G8 II	4-8	" 8 OLS very windy - haze Snow after midnite	good

337.

☉ 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-O 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.
2210.1	K Cet	03 14.1	+3 00	I-25	103c-0	set .008	-7.3	18 53 30	18 57 30	1
2210.2	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		+1 50
2210.3	δ Tau	4 17.2	+17 18	"	"	"	"	19 29 20	19 35 20	3
								19 35 20	19 38 20	
								19 38 35	19 40 05	
2210.4	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	
2210.5	ζ Ma	6 32.3	-19 10	"	"	"	"	19 59 10	20 01 10	1
								20 10 45	20 15 50	

600.8
598.8

338

Dome Temp. +14

Transparency Conditions

Focus. 15.352

Dome Temp.

5174.

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18 57 30	-	-	2	5.50	GJV	-	set 1 4" OLS	fine
19 06				4.60	KO	12	set 5 8"	
19 13						-	set 9 2"	fine
19 22 00	2		2			-	set 1 6 OLS	
19 25 20						12	set 5 3	
+1 50						-	set 9 + 1 1/2	
19 35 20	3	+17° 25'	2	4.71	KO	12	" 1 6 OLS	fine
19 38 20						12	5 3	
19 40 05							9 1 1/2	
19 47 40	4			4.58	KO	12	" 1 6 MC OLS	
19 52 40						12	Mar 57 3-10.3 -32.4 -22.2 -6" +1.5 +21.3 +4.5	fine
19 58 10							" 9 1 1/2	
20 01 15			0	4.9	KITL	6-6	" 1 10 OLS	
20 16 50						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.	Hour Angle End
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	2 07 W
22108	X' Ori	5 48.5	+20 16	"	"	"	"	20 54 50	21 03 20	3	2 07 W
								21 03 30	21 08 30	"	
22109	56 Aur	6 39.5	+43 41	"	"	"	"	21 12 20	21 24 20	4	2 22 W
22110	γ Gem	6 39.7	+13 00	"	"	"	-7.7	21 28 08	21 29 08	1	2 22 W
								21 29 25	21 31 25	2	
								21 31 40	21 35 50	1	
22111	HD 52711	6 57.2	+29 31	"	"	"	"	21 38 10	21 58 10	1	2 40 W
22112	β Gem	7 39.2	+28 16	"	"	"	"	22 12	-	1	2 40 W
								-	22 13		
								22 13 40	22 14 40		
								22 15 35	22 17 35		
22113	θ UMa	9 26.2	+52 08	"	"	"	"	22 23 20	22 34 20		2 40 W
								22 24 35	22 26 35		
								22 27 35			

3595.8

Dome Temp.....

Transparency Conditions

good

340

Focus.....

Dome Temp.....

174

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
-	+18 34	1-2	5.6	G4II	6	set 2 OLS	fin
2 07 W	+17 18		5.6	F8II	6+6	set 8	fin
	+20 13	2	4.9	F8	6-6	set 2 OLS 8"	lousy
					6-6	set 8 4" + 1	
1 22 W	+43 36		5.8	G0II	6-6	set 2 OLS 12	fin
	+12 53	1	3.8	F5	-	set 1 1 OLS	
					12	5 2	fin
					-	9 4	
1 40 W	+29 23	2	6.4	F8	6-6	set 20 OLS	fin
	+28 06		2.15	K0II	-	" 0 15 OLS	
					12	3 30"	lousy
					-	6 1"	
					-	9 2"	
	+51 51	2	3.8	F8p	-	set 1 1 OLS	lousy
					12	5 2	
					-	9 4	

Date SeptObserver M. R. O. - H. r. 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	T25	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 00	
								23 11 40	23 19 45	
22116	16 UMa	9 6.4	+61 50	"	"	"		23 23 40	23 28 00	
								23 29	23 39	
22117	11 L Mi	9 29.7	+36 16	"	"	"	-7.5	23 44	00 00	
22118	20 L Mi	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	
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 05	"	"	"	-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 57-1	
					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-V	6-6	set 2 OLS 16	strong
0100W	32 06	2	6.0	G5 I	6-6	set 8 OLS 14 Slide not drawn.	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
					OVER		

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
05 53 0059E	-01 04	0	5.6	$\frac{68}{14-2}$	44-4	Set. 2	Extraordinary
					$\frac{15}{10}$	" 8 2 P.H. Plates Needed. Hon. M.	
						Gerry - MR suggested that more plates should be cut, 7.	
						MC SC MTW STW S SW ME	
						Mar. 9 -14 ^s -22 ^s -23 ^s -4 ^m +12 ^s +10 ^s +02:05 ^s	

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

Transparency Conditions

Focus. 15.490

Dome Temp.

Clouds all evening

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 21	0 05W	23 19	0	G.2	F5	4-4-4 Set 2 OLS clouds toward end	weak
00 05	0 045W	41 26	0	G.2	F5	4-4-4 Set 8 2345 Clouds + haze	weak
					15/10 " 5		
						3 P.H. + 10	
						Hon. M.	
						2 Phone calls about bright light in southern sky near moon	
						MC SC MTW STW S SW ME	
						Mar. 11 -7.8 -6.9 -28.1 -7m +31.0 +23.0 +6.6	

Mar 14 0 352 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.	Hour Angle End
22126	H.D. 37394	05 33.2	53 26	I-25	E-103A ₀	set .008	0.0	19 20	20 00	3	1 28W
22127	" 43587	06 11.9	+05 08	"	"	"	0.0	20 05	20 25	3	1 16W
22128	{ 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 Cnc	09 06.9	15 24	"	"	"	0.0	20 43	21 23	2	0 41E
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	0 20E
22131	36 UMa	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	0 49E
22132	H.D. 101177	11 33.5	45 40	"	"	"	-0.1	22 40	23 10	2	1 20E
22133	{ UMa	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	1	0 42E

Dome Temp. +27°F

Transparency Conditions

Focus.....15.465

Dome Temp.....

180.

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 00 3	1 28W	53 27	0	7.0	K ₀	4-4-4	Set 2 0.45 15 0.45 15	weak
20 25 3	1 16W	05 08	0	6.3	G ₀	4-4-4	" 8	good
20 32 ⁰⁰		12 57	0	3.8	F ₅		Set 1	
20 34 ²⁰						12	" 5	fine
20 37 ²⁰							" 9	
21 23 0	0 41E	15 10	0	7.0	G ₅	4-4-4	Set 2	weak
21 47 3		70 01	1	5.2	G ₅ V		Set 1	
21 54 ²⁰						12	Set 5	fine
22 05 ⁰⁰	0 20E						Set 10	
22 15 ³⁰		56 11	1	5.33	F ₈ V		Set 1	fine
22 22 ⁰⁰						12	Set 5	
22 32 ³⁰	0 49 E						Set 9	
23 10 0	1 20E	45 19	1	7.0	G ₀	4-4-4	Set 8	fine
23 20 ⁵⁰		31 45	1-0	7.2	F ₉		Set 1	
23 25 ⁰⁰						12	Set 5	fine
23 33 ⁰⁰	0 42 E						Set 9	

Dome Temp. 22°F

Transparency Conditions

Focus.....

Dome Temp.....

5179.
588.1Ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 47 30 04E	40 39	1-0	5.6	Gor	4-4-4	Set 2 OLS	fine
00 01 27E	-19 40	0	6.0	K ₁ IV	4-4-4	Set 8 "	fine
			4.17	F ₈ V	—	" 1	fine
					12	5	fine
00 17W	+02 00	0			—	9	
01 09E	-01 13	0	7.7	K ₀	4-4-4	" 2	fine
00 53E	+02 39	0	6.6	G ₅	4-4-4	" 8 0300 Some haze	fine
00 43W	+13 37	0	7.4	G ₉	4-4-4	" 2	fine
					13/10	" 8 1 P.H. + 2	OK
						Hor. M.	
						ME SC MTW STW S SW ME	
						Mar. 14 -5.4 -8.1 -30.5 -6 ^m +32.8 -6.9 +7.5	

Date Mon - Tues ¹⁹⁵⁵ Mar 14-15 Observer MR - Hr Julian Day 243581.
0353 33 39.2 3586.3

[illegible]

Dome Temp. 28°F

Focus 157437

Dome Temp.

Transparency Conditions hazy & cld
clearing late

352

Reading Time
R.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
05:50 W	+20 03	0	3.66	KO III	-	St 1 1/2 OLS	Forgotten
		"	"	"	12	5 1	too much
		"	"	"	-	9 2	apex
0055 012 E	+03 33	00	6.15	KO III	4-4-4	" 2 " 11 0030 Haze & Cloud.	Weak
					15/10	" 8	
						1 P.H. + 12	
						Her. M.	
						MC SC MTW STW S SW ME	
						Mar. 16 -3.9 -9.2 -31.1 -.6m +34.7 +11.7 +8.7	
						18 -2.7 -9.9 -29.9 -.6m +35.9 -27.0 +4.1	

Date Fri Mar 18-19/55 Observer Hol - Hv Julian Day 2435185
 © 357 32 34.2 3579.4

© 357 32 34.2 3579.4

[illegible]

Room Temp.....14

Transparency Conditions

354

Cloudy & v windy earlier.

[illegible]

Sat - Sun.

Date 1955 Mar 19-20 ~~Ann-Lee~~ Observer MR - Por

Julian Day 2435186

358 32 13.6 3577.7

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 CMa	6 ^h 32.3 ^m	-19° 10'	I-25	103-00	at 008	-0.5C	19 ^h 23 30 ^s	19 ^h 33 30 ^s	4	-
	"	"	"	"	"	"	"	19 34 00	19 39 00	"	0:34W
22152	1K Gt	3 14.1	+3 00	"	"	"	"	19 45	19 52	"	4:04W
22153	HD 37394	5 33.2	+53 26	"	"	"	-0.5	20 04	20 45	1	2:37W
22154	X' Ori	5 48.5	+20 16	"	"	"	"	20 50	20 53	1	-
	"	"	"	"	"	"	"	20 53 15	20 59 15	"	2:37W
22155	Praesepe 428	8 36.1	+20 14	"	"	"	-0.4	21 08	22 22	2	1:12W
22156	" 212	8 34.1	+19 54	"	"	"	-0.5	22 26	23 14	"	2:06W
22157	8 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	-	0:48W
22158	16 Vir	12 15.3	+3 52	"	"	"	-0.4	23 48 20	00 00 20	4	0:48E
22159	θ Boo	14 21.8	+52 19	"	"	"	"	00 21	00 23	-	-
"	"	"	"	"	"	"	"	00 24	00 28	-	2:25E
22160	o Boo	14 40.5	+17 23	"	"	"	"	00 48	00 56	1	2:17E
22161	HD 136064	15 13.5	+67 44	"	"	"	"	01 10	01 22	1	2:22E

Dome Temp. 25°FTransparency Conditions gwdFocus 15.438

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
—	—	0	4.9	K ^{IV}	12	Set 1 10 ^m OLS	
0 134 W	-19° 14'	"	"	"	12	Set 5 5 ^m	fin
4:04 W		0	5.50	G ^{SV}	12	Set 9 6 ^m OLS	weak
2:37 W	+53 28	1-2	7.0	K ^O	4-4-	Set 1 40 ^m OLS	fin
—	—	2	4.9	F ⁸	—	Set 5 3 OLS	fin
2:37 W	+20 15	"	"	"	12	Set 9 6	
1:12 W	+20 00	"	7.86	K ^O III	44-4	Set 1 Praesepe Cluster	fin
2:06 W	+19 40	"	7.55	K ^O III	44-4	Set 6 " "	fin
—	—	2	3.68	K ^O III	—	Set 1 1/2 OLS DBI star?	
—	—	"	"	"	—	1	fin
0:48 W	+20 02	"	"	"	12	2	
0:48 E	+3 33	"	6.15	K ^O III	6-6	Set 1 OLS	fin
		3	4.56	F ⁵		5 "	string
2 25 E	52 02	3			12	9 "	
2 17 E	17 08	3	5.4	K ^O III	6-6	2 "	string
2 22 E	67 29	2	5.6	F ⁸ I	6-6	8 "	string

Date Mar 19/20, cont Observer - Box Julian Day 2435186

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
22162	{ m CrB HD 137898 5 Ser A	15 19.1	+30 39	T25	E103-a-O	008	-04	01 43	01 53	2	01 58E
22163		15 23.6	+2 12				"	02 04	02 18		01 38E
22164		15 14.2	+2 02.9				"				
22164	{ 8 Boo A	15 11.5	+33 41				"	02 31	02 32	3	
								02 33	02 35		
								02 36	02 40		01 04E
22165	{ HD 135204	15 08.8	-0 58	"	"	"	"	02 54	04 20	4	00 42
22166		16 38.1	-2 07				"	04 26	04 50		00 47
22167	{ HD 154417	17 00.2	+0 51				"	04 57	05 25	1	00 07E
22168		17 55.6	+16 46					05 29	05 39		00 48E
		Focus target	D.T.B.								

Dome Temp.....

Transparency Conditions.....

Focus.....

Dome Temp...+26°F

Ending Time LST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS			Quality
0 32	01 58E	30 25	2	56	G0	6-6	pet 2	OLS	A sector got loose; had to lower telescope + fix it.	very strong
0 18	01 38E	1 58	1	5.1 560	AS FSIV-V	4-4-4	8		Originally wrong star.	very strong
0 22			2	4.45	G81W		1		Correct star is indicated.	
0 35			2			12	5			strong
0 42	01 04E	33 29	2				9			
0 46	00 39W	-1 15	1	7.7	K0	4-4-4	2		clouds	fine
0 50	00 47W	-2 05	1	6.4	K0	4-4-4	8			fine
0 55	00 07E	0 45	0	6.3	G0	4-4-4	1		Some cloud again.	fine
0 59	00 48E	16 45	0	5.72	K0-11	6-	5			fine
						15/10	9			OK.
								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		
								+2.8 -12.1 -24.1 -.6 ^m +39.8 -18.2 +2.9		

Date Wed Mar 23-24, 1955 Observer Hd 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.	Hour Angle End
22169	39 Tau	03 59.4	+21 44	I-25	E103a0	008	+0.5	19 38	20 08	2	W 350
22170	104 Tau	05 01.5	+18 30	"	"	"	+0.6	20 13	20 21	2	
	"	"	"	"	"	"		20 21	20 37		W 317
22171	4D 39881	05 50.3	+13 56	"	"	"	+0.5	20 41	21 21	3	W 312
22172	d 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		W 38

Dome Temp.....

Transparency Conditions

Power - flicks of cloud.

360

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

[illegible]

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	set 008	+0.8	Exposures 1 2 4		4	
								sun at			
								19.50			
22174	HD. 38230	05 39.2	37 16	"	"	"	+0.8	20 05	21 15	1	3 40W
22175	Procyon 253	08 34.3	20 22	"	"	"	+0.8	21 20	22 08	2	1 39W
22176	" 283	08 34.6	20 02	"	"	"	+0.8	22 11	23 11	2	2 42W
22177	15 Com	12 22.0	28 49	"	"	"	+0.8	23 17	23 23	1	0 52E
22178	69 Vir	13 22.1	-15 27	"	"	"	+0.8	23 39	23 54	2	1 21E
22179	57 Vir	13 10.6	-19 25	"	"	"	+1.0	00 05	00 33	2	0 31E
22180	ADS 8470	12 09.1	+33 20	"	"	"	"	00 41	01 51	3	1 40
22181	ADS 8735	12 55.7	+18 55	"	"	"	+0.8	01 56	02 14	3	1 25
22182	v Vir	14 14.4	-1 48	"	"	"	"	02 21	02 35	4	0 28W
22183	g Dra	12 56.1	+67 08				"	02 45	03 01	4	2 13
22184	ADS 9520	15 05.9	+63 30				"	03 09	03 51	1	0 54W
22185	ADS 9962	16 08.5	+42 38					03 59	04 45		0 45

Dome Temp. $+34^{\circ}\text{F}$
 Focus..... 15.457
 Dome Temp.....

Transparency Conditions

362
Good with moderately strong wind, telescope jumping.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
12 44		1	0.7	G0		Set 1 OLS	
1 04					12	" 5	weak
1 50						" 9	
2 15	3 40W	1	8.1	K1	4-4-4	Set 2 OLS	weak
2 08	1 39W	1	7.37	Ko III	4-4-4	Set 2 Praesepe cluster	fine
2 3	2 42 W	1	7.46	Ko III	4-4-4	Set 8 " "	fine
2 23	① 52 E	1	5.39	K1 III	6-6	Set 8 OLS	fine
2 34	1 21 E	0	5.7	K1 III	6-6	Set 2 OLS	fine
2 2	0 31 E	0	6.0	K1 IV	4-4-4	8 " supl. Check precession in dec	fine
2 51	1 49 W	1	7.71	K0	4-4-4	2 Vis. Bin.	fine
2 14	1 25 W	1	6.49	F5	4-4-4	8 "	fine
2 35	0 28 W	1	6.0	G8 II	6-6	2 OLS, supl.	fine
2 3	2 13 W	1	6.14	G8 III	6-6	8 " quite	fine
2 51	0 54 W	2	7.20	F2	4-4-4	2 Vic. Bin.	strong
2 45	0 45 W	2	7.30	K5	4-4-4	8 " "	fine
						over	

Date Mar 29/80, cont. Observer — PGR Julian Day

[illegible]

Dome Temp.....

Transparency Conditions

Focus.....

Dome Temp.....

Ending Time L.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
5.7				3.82	K2M		set 1 OLS	
5.9						12	5	fair
5.4	01 33 W	6 32	1				9	
5.6				4.33	F6V	12	1 OLS	
5.2	01 32 W	15 45	1				5	strong
						15/10	9	OK
							3841. plates needed	

Date Wed - Thurs, Mar 30/31, 1955 Observer RK - H Julian Day 2435197
 009 26 16.3 3554.0

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Angle End
22188	α Aur	05 09.3	+45 54	I-25	E103-20	set 008	+60'	19 36	8 ^{sec}	4	
									16		
									39 ^{sec}		
22189	HD 39881	05 50.3	+13 56	"	"	"	"	19 46	20 40	1	03
22190	HD 43587	06 11.9	+5 08	"	"	"	"	20 43	21 03	1	03 04
22191	HD 42807	06 07.7	+10 40	"	"	"	"	21 07	21 45	2	03 47
22192	HD 41330	05 59.4	+35 24				"	21 51	22 15	2	04 25
22193	VL 133	08 29.6	+19 56				"	22 22	23 20	3	03 0
22194	50	08 32.0	+19 37	"	"	"	+5.8	23 31	00 15	3	03 54W
22195	A.D.S. 8489	12 11.1	41 13	"	"	"	6.0	00 34	01 04	4	01 07W
22196	" 8516	12 15.2	38 27	"	"	"	"	01 10	02 30	1	22 26W
22197	" 9112	14 02.4	35 15	"	"	"	5.9	02 38	04 38	1	22 48W
22198	" 10259	16 51.0	24 54	"	"	"	"	04 45	05 15	"	03 W
	<i>Faint</i>	<i>Faint</i>	<i>Faint</i>	<i>Faint</i>	<i>Faint</i>	<i>Faint</i>					

Dome Temp. 38°F

Transparency Conditions *Very good*

Focus 15.522

Dome Temp.

0210 Aurora.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
			0.7	G0		part 1 OLS	strong
		0				5	
					12	9	
03 00W	13 54	0	7.0	G5	4-4-4	2 OLS Vis Bin ² (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	G0	4-4-4	8	fine
03 00W	19 45	0	7.25		4-4-4	2 Raesepe	strong
03 54W	19 23	0	6.94		4-4-4	8 " Dec slow motion thickening	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 36W	25 48	1	7.05	K0	4-4-4	" 8 " "	fine
					15/10	" 5	
						Hcn.M.	
						1 P.H. + P	

A for?

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

⑩ 10 25 30.3 3551.8

[illegible]

Dome Temp.....

Transparency Conditions

Some Haze

368

198
3551.8

Ending Time
E.S.T.

[illegible]

Fri Hd. Clouds till 2200. started to open 2230 but more clouds.
 Sat Apr. 2-3 - 40 visitors - Lecture and library demonstration - O-Bk.

Date 1955 Apr 4-5 Mon - Tue Observer M.P. - H.V. Julian Day 2435202.

© 14 22 03.6 3542.7

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
22205	HD 36484	05 26.9	+3.2 44	I-25	103a0	.008	10.7	19:53	20:13	2	13 14
22206	{ Prae 428	08 36.1	+20 14	"	"	"	"	20:21	21:47	3	-
22207	{ " 512	08 34.1	+20 22	"	"	"	"	21:55	22:47	"	-
22208	{ Prae 300	08 34.7	+19 54	"	"	"	"	22:52	23:14	4	-
22209	{ 8 Leo	10 14.5	+20 21	"	"	"	10.5	23:23	-	1	-
	{ "	"	"	"	"	"	"	-	-		-
	{ "	"	"	"	"	"	"	-	23:26		-
22210	{ 15 Com	12 22.0	+28 49	"	"	"	"	23 33	23:39	4	0.11E
22211	{ 9 Dra	12 56.1	67 08	"	"	"	10.8	00 09	00 29	1	2004W 60
22212	{ 2 Vir	14 14.4	-01 48	"	"	"	10.7	00 40	01 10	"	2039E
	{ Focus Test		09.15								

Dome Temp.....

Focus 15.582

Dome Temp.....

Transparency Conditions *sl. haz. in sol.*

Delay opening due to blown fuses

370

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20.13	2 43 14	+32 45	1	6.50	A0	6-6	set 5 N Bin	fin
21.4	3 -	-	1	7.86	K0 III	4-4-4	set 2 Praesepe cluster	fin
21.47	-	+19 43	1-2	7.55	K0 III	4-4-4	set 8 " "	fin
23.4	4 -	+19 43	1	6.47	-	4-4	set 2 " "	fin
-	-	+20 03	1	3.66	K0 IV	-	set 1 OLS 1/2" Dbl star	
-	-	"	"			12	5 1 1/2"	fin
23.26	-	"	"			-	7 1"	
23.39	10:13 E	+28 30	0-2	5.39	K1 IV-IV	6-6	set 8 OLS Supp	fin
00.29	00 04 W	66 48	0-1	6.14	G8 III	4-4-4	" 2 " "	fin
01.0	00 29 E	-02 04	0	6.10	G8 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 BGR-HR Julian Day 2435205

0 17 19 05.6 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.	Hour Angle End
22213	HD 39881	05 50.3	+13 56	I-25	E103-a-0	alt 068	+1.2	19 43	20 35	1	03 36
22214	66 Aur	07 17.2	+40 52	"	"	"	+1.0	20 42	21 08	1	02 21
22215	Procs. 328	08 35.0	+20 04	"	"	"	"	21 17	22 17	2	02 36
22216	Procs. 348	08 35.2	+19 56	"	"	"	"	22 20	23 20	2	03 26
22217	ADS 8470	12 09.1	+33 20	"	"	"	"	23 28	01 28	3	03 07
	Focus Test		G. 7.13.								

Dome Temp. 32°F

Focus 15460

Dome Temp. 36.6

Transparency Conditions good

372

Leading Time
R.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
03 26W	13 55	0	7.10	G5	4-4-4	ref 2 OLS	fin
02 31W	40 45	0	6.33	Ko III	4-4-4	8 " suppl.	fin
02 23W	19 50	0	7.05		4-4-4	2 In escape	fin
03 26W	19 42	0	6.95		4-4-4	8 " thin clouds	fin
02 02W	33 00	0	7.71	Ko	4-4-4	2 Vis. Bire. 0040 Cloud. 0115 " 2 Haze	fin
					15/10	" 8	OK
1 P.H. + 8.							
Hon M.							
Phone call from Oshawa.							
Bright light in Western Sky 0120							
Size of Moon Moving Rapidly							

725
022
747

Date Fri Apr 8-9, 1955 Observer Hol

..Julian Day.....2435206.

① 18 18 02.2 35347

[illegible]

Dome Temp. 40 F

Focus 15.510

Dome Temp.

Transparency Conditions 374
Clouds at first - continuing poor.

5206.

35347

Ending Time
R.S.T.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

22 10

N 221

20 08

0.1

7.37

KO III

4-4-4

Set 2

Prasepe

Clouds much of time
Guiding

Date 1955 Apr 9-10 Sat-Sun Observer MR - Bk
Bk

Julian Day $243607.$
 19 16 56.9 3532.9

[illegible]

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

Focus 15.642

Dome Temp.

Transparency Conditions

Visitors conservatively estimated at 200
 Showed 7 in 74" + 4 RASCals.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 35	03 50W	19 48	2	7.46	K0 III	4-4-4	Set 2 Praes. cluster	partly good
22 35				366	K0 III		5 1/2 OLS	fine
22 38	02 20W	20 04	2			12	9 "	Image very misty
00 40	01 18W	40 54	1	7.01	K5	4-4-4	2 Vis. Bin	Midnight: pretty heavy, increasing cloudiness
00 52	01 25W	26 05	1	5.20	F5	6-6	5 1/2 "	fine
00 56							9 "	
00 58		30 33	1	4.92	K3		1 "	clouds gone
01 22						12	5	fine
01 30	00 06E						9	
01 35	00 58W	11 31	0	8.08	K2	4-4-4	2 "	X } Superposed
01 35	00 17W	13 11	1	7.10	G5	4-4-4	5 1/2 "	X }
						15/10	9	
							4 PH, plates needed	

Date *Sun-Mon, April 10-11, 1955* Observer *O - Hr* Julian Day *2435208.*
 ☉ 20 15 49.8 35309

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
22226	HD 43587	6 11.9	+5 08	1x25	E103a-0	Ed 008	+18.7	19 34	20 04	1	2 45W +
22227	α CMi	7 34.1	+5 29	"	"	"	"	20 07	20 07	1	1 26W
22228	α CMi	7 34.1	+5 29	"	"	"	"	20 10	20 10	2	
	"	"	"	"	"	"	"	20 11	20 11	2	
	"	"	"	"	"	"	"	20 13	20 13	2	32W +
22229	β Hya	8 50.1	+6 20	"	"	"	"	20 22 30	20 24 0	3	
	"	"	"	"	"	"	"	20 24 20	20 27 20		
	"	"	"	"	"	"	"	20 27 20	20 33 20		37W
22230	Prange VL 133	8 29.6	+19 46	"	"	"	+18.9	20 38	21 14	2	37W +
22231	" 50	8 32.0	+19 37	"	"	"	+19.0	21 19	21 49	4	2 10W
22232	" 204	8 34.0	+20 08	"	"	"	+19.0	21 53	22 23	1	2 42W
22233	" 265	8 34.4	+20 20	"	"	"	+18.9	22 26	23 10	1	3 29W +
22234	" 284	8 34.6	+19 42	"	"	"	"	23 16	00 12	2	4 33W +
22235	3 Scor	15 58.9	-11 06	"	"	"	19.1	00 28	00 58	3	2 07E -
	Focus Test		09.13								

Dome Temp. +63°F.

Focus 15.689

Dome Temp.

Transparency Conditions

Clear

378

208.

35309

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
20 04	2 45W +5 05	1	6.3	G0	4-4-4	Set 2 OLS	fine
20 07	1 26W	1	0.74	F5	12	" 8. 35" OLS	too weak
20 10			"	"	1	6" OLS	
20 11			"	"	12 ^s	5 12 ^s	fine
20 13	1 32W +5 18		"	"	9	24 ^s	
20 24 0			4.35	K0	-	" 1 1 1/2 ^m OLS Supp.	
20 27 20			"		12 ^s	5 3 ^m	lousy
20 33 20	0 37 W		"		-	9 6 ^m	
21 14	1 37 W +19 45	2	7.25		4-4-4	" 2 Prosepe.	fine
21 49	2 10 W +19 23	1	6.94		4-4-4	" 8	fine
22 23	2 42 W +19 55	1-2	6.92		4-4-4	" 2	too faint
23 10	3 29 W +20 07	1-2	6.62		4-4-4	" 8 Clouds from South.	fine
00 12	2 4 32 W +19 29	1-2	7.04		4-4-4	" 2	fine
00 52	0 2 07 E -11 17	1	5.2	F8	4-4-4	" 2 O.L.S. Haze & Smoke??	type strong
					15/10	" 8 1 P.H. +8 H.M.	0130 Very Mucky!!!

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

0 27 07 09.8 3518.9

[illegible]

380

Dome Temp. +54°F

Transparency Conditions Clear

Focus 12.920

Dome Temp.

Mon April 11 changed to 12 1/2" camera - 25" was Jilt 23:15
 Focus 15.689
 Focus 12.920
 Jilt 20.35

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 JK-A FS Hino 304	fine
22 24	2 07 W	+45 08	1	9.99	G2	1-1-1 " 8 " " " +307	fine
00 30	0 3 19 W	+45 00	1	9.76	K5	1-1-1 " 2 " " " 312 Telescope taken 4 1/2 W.	fine
03 11	0 2 13 W	45 03	0	9.13	F0	1-1-1 " 8 " " " 0045 Had to run back Dec. slow motion	fine
04 44	0 2 18 W	45 03	0	9.25	A2	1-2 " 2 " " " Trouble with Dec Motion	lousy
					4/3	" 8 Hor. M.	OK
						2 P.H. + 4	

Electric Clock in dome 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

Date Fri. April 22-23, 1955 Observer L. H. V. Julian Day 2435220

32 00 06.9 3509.9

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
22241	H.D. 958 ⁶ 86	10 58.6	59 27	I-12 $\frac{1}{2}$	E-103A0	set 016	-12.9	20 53	22 53	3	1 34W
22242	" 101674	11 36.9	44 42	"	"	"	+12.9	23 08	00 38	3	02 42W
22243	BD+45°2134	13 46.8	44 52	"	"	"	12.7	00 47	04 11	2	04 07W
	Flame Test				O. 9. B.						

Dome Temp. 48°F

Focus.....12,920

Dome Temp.....

Transparency Conditions

clouds at sunset delayed start.

Ending Time E.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 53	1 34W	59 04	0	9.86	G3	2-2-2	Set 2 K.A.F.S.	<i>are they</i> <u>0300</u> A little Haze?? <i>OK</i>
00 38	02 42W	44 19	0	9.12	F5	2-1-1	Set 8 "	
01 11	04 07W	44 34	0	9.90	F9	1-2-1 4/3	" 2 " 8	
							2 P.H. +2	
							Hor. M.	
MC SC MTW STW S SW ME Apr. 20 +7.1^S -2.3^S -30.0^S -8^m -7.5^S -3.2^S -17.4^S 22 +9.2^S -2.7^S -24.9^S -8^m -5.9^S +17.4^S +9.2^S								

[illegible]

Ws = Wiseman

Date 1955 May 6-7 Fri-Sat Observer MR. (Ws) - 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	st .016	+14.1°C	20 41	23 15	2
22254	HD 121933	13 53.5	+45 39	"	"	"	+14.0	23 19	00 15	2
22255	HD 131447	14 48.0	+44 39	"	"	"	14.0	00 21	02 29	3
Focus Test				0.9.13.						11

Dome Temp.....

390

2 P.H. + f.
Hon. M.

Dome Temp. +50°F

Focus.....12.940.....

Dome Temp. +46°F

Transparency Conditions Haze & foggy, very humid

392

Saturday May 7, 60 visitors - lecture given
& telescope demonstrated, L-BK

235
3480.7

Ending Time
R.A.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 14W	-14 41	0	10.02	B. II	1-1-1	set 2 OB prog. p.3	lim
					4/3	clouds at low end	OK
						1 PH + 8	
						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

2 found it at 16.132

14d.

May 12 Changed to
25" camera

Focus 12.938
12 1/2" was f/11 20.35

25" Focus 15.632
f/11 23.15

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
22 33	41 17	+38 07	1	7.63	K0	4-4-4 Set 2 Vis Bin Prog.	fine
00 20	01 18 W	+34 57	1	7.95	K0	4-4-4 Set 8 " " "	fine
00 32		-11 16	1	5.2 5.5	F8	4-4-4 set 1 OLS	
00 40					4-4-4	5 "	strong
00 5	00 07 E					9 "	
00 58	00 03 W	+77 39	1	6.7	A0	4-4-4 Set 5 Spec Bin. 0100 Haze & Cloud.	strong
					15/10	9	etc red slightly
						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	

① 53 19 36.8 3471.3

[illegible]

Dome Temp. $+54^{\circ}$ Transparency Conditions *Good*Focus *15.685*Dome Temp. $+46^{\circ}$

242

471.3

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 02	0 34 W	50 44	0	6.73	F8	4-4-4	Set 2 ADS	fin
00 06	0 10 W	63 15	0	7.20	F2	4-4-4	Set 2 ADS	good
00 22	0	-11 15	0	5.2	F8	12 ^s	"2 OLS 4 ^m	fin
00 30	0 21 E	-11 15	0	-		6-6	" 8 ^m	
01 26	0 36 W	13 37	0	7.4	G9	4-4-4	Set 2 OLS	weak
02 15	0 13 W	0 45	0	6.3	G0	4-4-4	Set 8 OLS	good
3 00	0 48 W	37 57	0	6.9	G5	4-4-4	Set 2 Vis. Fou	} overlaps X X
4 00	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.	Hour Angle End
[22268	ADS 8735	12 55.7	+18 55	I-25	E103A-70	set. 008	20.5 20.5	20 29	20 53	4	0 51E
[22269	ADS 9539	15 09.5	+48 57	"	"	"	20.4	21 09	22 43	4	1 14E
[22270	ADS 9962	16 08.5	+42 38	"	"	"	20.4	22 48	23 24	1	1 31E
[22271	ADS 10127	16 32.8 ⁷	+34 01	"	"	"	20.4	23 28	00 44	1	0 16E
22272	HD 154528	17 00.9	+77 48	"	"	"	20.4	1 05	1 30	2	0 4E
[22273	ADS 10715	17 37.0	+24 34	"	"	"	20.4	1 46	2 34	3	0 14W
22274	ADS 11494	18 31.8 ⁵	+4 52	"	"	"	20.3	2 41	3 54	3	0 35W
[	Focus Test	O.T.B								3	

Dome Temp. ↑
Focus 15.7
Dome Temp. ↓

Dome Temp. +63°F

.695

Transparency Conditions Fair

398

Focus 15.717

15.717

Dome Temp. +58°

243

470-2

Ending Time
E.S.T.

20 53

22 43

23 24

00 -

1 30

2 34

3 59

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.	weak
1 14 E	+48 42½	0	8.06	K0	4-4-4	" " "	good
1 31 E	+42 27	1½	7.30	K5	4-4-4	" " "	fin
0 36 E	+33 54	1	7.89	K0	4-4-4	" " "	fin
0 14 E	+77 39	0	6.7	A0	4-4-4	Set 5 Spec. Bino.	strong
0 10 W	+24 32	1-0	7.27	K0	4-4-4	Set 2 Vis Bin Prog. 6200 thin cloud	fin
0 35 W	+4 55	0	7.64	K2	4-4-4	" " " 1300 upper ring stars broken clouds stars disappeared in haze 3 54	fin OK
					15/10	" 5	
						1 PH + ?	
						How M	
						Shutters will not operate	
						MC SC MTW STW S SW ME	
						May 16 +21.8 -19.2 -8.1 -.5m -1.1 +10.7 +1.7	

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	Præsepe #300	8 34.7	+19 54	I-25	F103a-O	^{at} 0.008	+15.9	20 19	20 49	4	3 39 W
22276	" #253	8 34.3	+20 22	"	"	"	+15.7	20 52	22 16	4	4 57 W
22277	ADS 8992	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 28 E
22279	HD 145958	16 08.6	+13 48	"	"	"	+15.7	23 58	1 18	2	0 86 W
22280	12 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 49 W
22282	HD 166620	18 06.4	+38 28	"	"	"	+15.5	2 39	3 49	4	1 00 W
	Focus Test	O.T.B.		"	"	"	+15.5			4	

Dome Temp. + 40° F

Transparency Conditions *Clear*

400

244

1469.0

Ending Time
E.S.T.

[illegible]

Date Tues 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	Præsepe. 328	8.35.0	+20 04	I-25	E103a0	.008	+14.8	20 30	21 10	1	3 55 W
{ 22284	" 348	8 35.2	+19 56	"	"	"	+14.8	21 14	21 54	1	4 37 W
{ 22285	ADS 8735	12 55.7	+18 55	"	"	"	+14.8	22 03	22 26	2	0 51 W
{ 22286	ADS 929.6	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 39 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 25 W
22290	V451 Oph	18 24.5	+10 49	"	"	"	+14.7	2 11	3 23	1	0 19 W
[22291	ADS 12693	19 32.8	+16 14	"	"	"	+14.5	3 29	3 51	2	0 2 E
	Focus Test	O.T.B.					+14.5			2	

Dome Temp. $+44^{\circ}$

Transparency Conditions

Love

402

245
7-8

Boating Time
E.E.T.

21 10

254

22 29

22 38

22 30

C 43

135

201

3 23

351

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 55 W	+19 52	0	7.05	A ₅	4-4-4	Prosepe 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 04 W	+11 31	0	8.08	K ₂	4-4-4	" " " Set 2	lens
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	strong
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	cloudy, 17th
						1 PH + 8	
						H on M	
						MC SC MTW STW S SW ME	
						May 18 +17.5 -19.8 -25.1 -7m +1.0 +31.4 -4.6	

Dome Temp.....

Transparency Conditions Good.

404

29.6

Trading Time
E.S.T.

2

21 507

23 12 -

000000

00 45

02-497

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
4 47W	+20 08	0	7.37	Ko III	4-4.4	Set 2	
1 33 ^E W	+13 37½	1½	7.4	G9	4-4.4	Set 2 OLS I guided on the south preceding* (clouds 73:20)	fine
00 36 E	"	"	"	"	4-4.4	" 8 OLS " " " north following*	fine
00 47 E	77 39	0	6.7	A0	4-4.4	" 5 Spect. Bin.	Extremely fine
00 22 W	+10 50	0	8.1	A0	4-4.4	" 5 Ecl. Bin. Cloud + Haze for 1 hr. 0300 Windy Image Unsteady. partly overlapping	fine OK
					15/10	" 9.	
						IPH. #4 Hor. M.	

Date 1955 May 19-20 Thu Fri Observer L-We-Hr Julian Day 2435.247
 @ 58 08 41.7 3465.4

[illegible]

Dome Temp. $+58^{\circ}$ Focus 12.939 Dome Temp. 12.939 Transparency Conditions *Clear*

406

*May 19, changed to
122 camera**25" was Jilt 23.15
Focus 15.685**122 is Jilt 20.35
Focus 12.938*247
34654Reading Time
E.S.T.

P.E.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
3 02W	+62 56	0	7.56	Fo	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 44W	30 12	0	10.08	G8	1-1-1	Set 8 KA FS.	fin
00 18W	77 39	0	6.7	Ao	2-4	" 5 Spect. Bin.	fin
00 43W	10 50	0	8.1	Ao	4-4-4	" 5 Ecl. Bin.	fin
					15/10	" 9	OK.

Hon. M. I.P.H. Plates Needed.

MC	SC	MTW	STW	S	SW	ME
May 20	$+22.4^S$	-21.7^S	-3.5^S	-4.4^m	$+1.0^S$	-11.1^S

Date 1955 May 20-21 Fri Sat Observer (Mo)-Ws-Hr Julian Day 2435248
 059 06 27.1 3464.2

[illegible]

Dome Temp. +63°

Focus 12.939

Dome Temp. +52° F

Transparency Conditions

Clear (some haze) 408

5.248
44.2Ending Time
L.S.T.

20 58

21 12

23 36

21 52

22 24

22 49

23 06

00 27

00 56

02 34

03 15

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.	good! bin
2 45 W	11 48	0	7.04	A ₀	2-2-2	Set 8 " "	bin
3 06 W	12 59	0	7.51	A ₅	2-2-2	Set 2 " "	lousy.
3 10 W	17 54	0	6.62	A ₀	2-2-2	Set 8 " "	lousy
0 24 E	11 26	0	7.7	F ₅	2-2-2	Set 2 " "	bin
3 02 E	11 25	0	7.2	A ₅	2-2-2	Set 8 " "	bin
	29 18	0	9.42	F ₆	2-	Set 2 KA F ₅ Forget to reset slit.	
00. 58 W	29 18	"	"	"	1-1-1	Set 2 " "	flexure 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 Ech. Bin.	bin
00 24 W	-07 26	0	9.0	B ₁ I _a	1-1-1	" 2 O.B.	Field difficult to identify. seems alright Hrc and S check. - Mo
					4/3	" 8	weak OK
						Hrc M. 1 P.H. +6.	

S-Mo-K with visitors, about 200. Showed Jupiter briefly with 74", then with coelo. M3 with 74", and Saturn later with coelo. McFarlane, Char.

Dome Temp. $^{+}$
Focus.....12-9
Dome Temp. $^{-}$

Hour	Angle	End
1	10	10
2	20	20
3	30	30
4	40	40
5	50	50
6	60	60
7	70	70
8	80	80
9	90	90
10	100	100
11	110	110
12	120	120
13	130	130
14	140	140
15	150	150
16	160	160
17	170	170
18	180	180
19	190	190
20	200	200
21	210	210
22	220	220
23	230	230
24	240	240
25	250	250
26	260	260
27	270	270
28	280	280
29	290	290
30	300	300
31	310	310
32	320	320
33	330	330
34	340	340
35	350	350
36	360	360

New
is, Char.

49.
3462.8

Ending Time
R.T.

Dome Temp. $+60^{\circ}\text{F}$

Focus. 12-939

Dome Temp. $+56^{\circ}$

Transparency Conditions

Clear but a lot of haze.

410

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0 50 W	+29 38	0	9.99	F5	1-1-1	S + 2 K.A.F.S.	fine
0 14 W	+77 40	0	6.7	A0	2-2-2	Set 5 Spec. Bin.	Interm
0 28 W	+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 Ma - K Julian Day 2435251

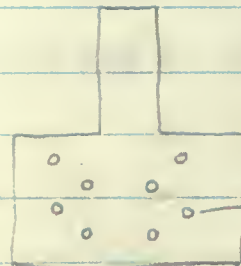
⑥ 61 59 35.5 3460.0

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	13 03.0	+29 59	I-125	E103a-O	0.016	+23.1	22 18	23 32	4
	Focus Test	O.T.B.				0.008				
	1955 May 26-27		K.	0100 hrs	No cloud, but very thick haze. Only bright stars visible.					

Dome Temp.....

Transparency Conditions Good after clouds cleared.

412

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23 32	2 13W	+29 41	0	10.08	F8	1-1-	Set 2 KAFS 8-6 set 10 Cut exposure for fear of rain. Clouds 23 20	him OK
							Too much cloud. 4 PH + Plates Needed Ham M	
								
							Broken Wire	
							MC SC MTW STW S SW ME	
							May 24 +24. ^S 8 -24. ^S 2 -3. ^S 4 -4 ^m +1. ^S 9 -25. ^S 7 -4. ^S 5	
							26 +25. ^S 8 -24. ^S 5 +0. ^S 9 -4 ^m +3. ^S 0 +16. ^S 7 -2. ^S 1	

Date 1955 May 27-28 Fri. Sat. Observer Ws - Hr Julian Day 2435.255

065 50 06.6 3454.

[illegible]

Dome Temp.....

Transparency Conditions

Transparency Conditions Cloudy on horizon - lightning -
clear at zenith. 414

Trading Time
S.S.T.

22 49

[illegible]

and Ending Time
E.S.T.

