Inside displaced to violet means focus should be made shorter.

Pressing in right hand switch of dome turning relay
moved dome to the east.

	Plate No End of			
1945	Feb	10923		
	Mar	11010	87	
	apr	11063	53	
	May	11081	18	
	June	11161	80	
	July	11229	68	68
	aug.	11381	152	220
	Sept	11543	162	382
	Oct	11626	83	465
	Nov	11694	68	533

13

Hour Angle End	Declina

our Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

David Dunlap Observatory
74" Log Book
Vol 14
Plate Numbers 10916-11731
Feb 1945 - Dec 1945

5

1945

Date Sunday Feb 18-19 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	h	Hour Angle End	De
10916	HD 59878	7 26.9	23 07	I-25	E103a-0	008	-6.0	7 20	8 20	2		
~~10917~~	61035	7 32.2	24 36	"	"	"				3		

F = −23.86.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS				
8 20		+23 05	0	7.22 G5	2-2	ft comp. clouded.				good
				6.60 F0						
							MC	SC	MTW	STW
						Feb. 19	+56.6	+28.4	+17.0	−0.1 m

7

1945

Date Monday Feb 19-20 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
10917	HD 52554	6 56.6	17 53	I-25	E103a-O	008	-2.5	7 18	8 00	3	121E +
	Thursday Feb. 22-23										
	High winds, cloudy - H										
	Friday February 23-24, 1945				Cloudy - H						
	Sunday February 25-26, 1945				Clear all day; clouding late afternoon						Cloudy

Focus 23.81

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
8 00	1 20 E	+17 51	0	7.55 Ma	2-2-2	clouded.
						very inexact
						MC SC MT ST
						Feb. 22 +59.0 +29.4 +02.2 +0.m3
						26 +61.8 +31.1 00 +0.m1
						reset, stopped
lt. afternoon	Cloudy all night.					

9

Date 1945 Feb 27-28 Tuesday N - U **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	
10918	HD 61294	07 33.5	+38 34	1-25	E-1030	.008	-2.8	19 28	20 00	4	1.25 E	+
10919	61630	07 35.1	+13 59	"	"	"	-2.8	20 06	20 54	1	0.91 E	+
10920	65757	07 55.1	+23 53	"	"	"	-2.9	20 58	21 32	2	0.12 E	+
10921	76944	08 54.2	+38 00	"	"	"	-2.9	21 36.5	22 28.5	3	0.17 E	+
10922	77250	08 56.3	+06 02	"	"	"	-3.0	22 34	23 20	4	0.34 W	+
10923	72505	08 28.2	+13 36	"	"	"	-2.9	23 25	00 05	1	1.18 W	+

Clouds breaking away after sunset. High wind. (impossible to work west) 10

Focus 23.82 ±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS	
20 00 4	1 25 E	+38 29	0	7.07	K5	2-2-2		weak
20 54 1	0 31 E	+13 57	0-1	7.50	K0	2-2-2	image unsteady	fine
21 32 2	0 12 E	+23 48	1.	7.42	K0	2-2-2	seeing variable	strong
22 26 3	0 17 E	+37 50	1	7.72	K5	2-2-2		fine
23 30 4	0 34 W	+05 54	0	7.31	K0	2-2-2		strong
00 05 1	1 48 W	+13 28	1	7.40	K0	2-2-2	windy - seeing variable	strong

4 plates + full box

Wed. "Clearish" early evening; clouded - finally cleared 2:10

11

Date 1945 Sunday March 2-3 H-U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Ini	D
1 a 4 24	HD 61 [illegible]	07 32.3	[illegible]	I-7T	[illegible]	[illegible]	+15	19 36	[illegible]	[illegible]	
	1945 Sunday, March 2-3, H-				cloudy with rain						

Clear most of day. Cloudy in evening [illegible] at 7

Sun at 5175

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
6-59E	+24 32	2-1	[illegible] 0 F	2-3 Very foggy. Not much [illegible] aft first 20 minutes. Thick. Probably no good.

	MC	SC.	MTW	STW
Mar. 2	-03.0 (read)	+32.5	-07.3	+0.2 reset

13

Date Sat Mar 3-4 /45 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
10925	[illegible]	7 32.2	+24 36	3.25	Eas O	.08	+2.8	7 32	[illegible]	[illegible]	[illegible]
[illegible]	65066	51.8	8 54	"	"	"	+2.7	8 37	9 17	4	[illegible]
[illegible]	[illegible]	55.9	[illegible]	"	"	"	+2.7	9 21	9 41	[illegible]	11 W
10928	[illegible]	8 16	4 15	"	"	"	+2.6	9 45	10 29	2	39 W
10929	[72359	273	10 26	"	"	"	+2.6	10 34	11 04		52 W
	[Focus	outside Plate holder									

Focus [illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
[illegible] E	24 31	0	6.60 F0	2-2-2	2. cloud of single
[illegible] E	8 48	0	6.90 G5	2-2-2	
11 W	5 01	0	5.66 F0	2-2-2	Heavy wind.
3[illegible] W	4 06	0	7.07 G5	2-2-2	
1 02 W	10 17	0	6.30 A0	2-2-2	wind bothering
				2-5	

Plate Box in Dome

Date Sunday March 4-5, 1945 - U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	H.D. 45724	06 [illegible]	+02 43	E-25	E-103a-0	0.08	+1.6	18 52	20 12	[illegible]
[illegible]	48348	06 37.7	+03 [illegible]	"	"	"	+1.5	20 15	21 00	[illegible]
10232	62364	07 39.0	+02 26	"	"	"	+1.5	21 09	21 [illegible]	[illegible]
10233	69652	08 12.7	+53 53	"	"	"	+1.5	21 55	22 37	[illegible]
[illegible]	67224	08 [illegible]	+[illegible] 33	"	"	"	+1.3	22 31	22 [illegible]	[illegible]
[illegible]	68097	08 [illegible]	+56 46	"	"	"	+1.4	22 [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	08 [illegible]	+[illegible] 41	"	"	"	+1.4	[illegible]	[illegible]	[illegible]
10237	67827	08 [illegible]	+37 [illegible]	"	"	"	+1.5	23 59	[illegible]	[illegible]

Tuesday, March 6-7, 1945 - H Road ploughed out; drove [illegible]

Cloudy all day & early evening. Partly clearing about 9:00, filling [illegible]

Shortly thereafter. Clear again, but very hazy. Start [illegible]

up at 11:30 P.M. Thick haze comes over end of [illegible]

South-east wind, [illegible]

Frost forming left off [illegible] opened up the [illegible]

Frame unchanged

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 18 W	+02 41	0	7.74 K2	2-2-2	Light cirrus [illegible]
0 58 W	+03 03	0-1	7.44 K0	2-2-2	Light [illegible] +
0 41 W	+00 19	0-1	7.14 F5	2-2-2	
1 43 W	+52 47	0	6.64 F0	2-2-2	
1 28 W	+52 28	0-1	7.05 K0	2-2-2	
1 25 W	+51 39	0-1	6.90 K0	2-2-2	Stars moving
1 28 W	+50 31	0-1	5.94 A2	2-2-2	Get strong
3 02 W	+38 55	1	7.03 G5	2-2-2	Stars moving very [illegible]
Transparency very variable all night					5 x 12 feet [illegible]
					+ Sculptor [illegible]
[illegible]					[illegible]
[illegible]					[illegible]

17

Date Sunday March 6-7 1945 14 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10928	HD 71095	08 20.4	+02 27	I-25	E-103a-O	5.7 0.8	41.3	22 [illegible]	23 [illegible] 4	[illegible]

1945 Mars MC −00.7 SC +34.0 MTW +06s.0 STW +0m.4

Seeing not stated

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 20 W	+02 19	0	7.09 K5	2-3-2	Sharpness. Atmosphere [illegible]
						East half of [illegible]
						3-5 [illegible]
						Completely cloudy by [illegible]
						This is [illegible]

Date Wednesday Mar 7-8 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	#	Hour Angle End
10939	HD 47886	06 30.7	+11 06	I	E-30-0	0.08	-00.6	18 48	19 48	1	[illegible]
10940	HD 62141	07 35.4	+22 39	"	"	"	-00.6	19 53	20 37	2	[illegible]
10941	HD 65785	07 55.0	+20 05	"	"	"	-00.6	20 41	21 23	3	[illegible]
10942	HD 65900	07 55.9	+5 09	"	"	"	-00.7	21 28	21 40	4	[illegible]
10943	HD 72908	08 30.3	+3 05	"	"	"	-00.7	21 [illegible]	[illegible]	1	[illegible]
10944	HD 78196	09 [illegible]	+1 52	"	"	"	-00.8	22 28	[illegible]	2	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
6m E	11 03	0-1	7.78 Mo	2-2-2	
19 E	22 35	0-1	7.34 KO	2-2-2	
9m W	19 58	0-1	7.28 [illegible]	2-2-2	
27 W	5 01	0-1	5.66 AO	3-3	
37 W	2 56	1	7.49 KO	2-2-2	
1 [illegible] W	1 42	1	7.76 Mo	2-2-2	

	MC	SC	MTW	STW
Mar. 8	+01.4	+35.6	+18.2	+0.7

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	+0.7	[illegible]	[illegible]	[illegible]
~~[illegible]~~	[illegible]	07 57.7	+23 53	"	"	"	+0.9	19 43	20 25 9	[illegible]
	~~69149~~	~~08 10.6~~	~~+54 26~~							
~~10947~~	62407	07 35.7	+13 07	"	"	"	+0 9	21 02	21 [illegible] 1	[illegible]
~~10948~~	65322	07 [illegible]	+13 30	"	"	"	+0 8	[illegible]	22 1[illegible] 2	[illegible]
	focus test									

Friday March 9-10, 1945 - H Cloudy + mild with 1-2" of snow

Sat. Opened up but clouded

Box on dome

Sunday, March 11-12, 1945 H. Cloudy in afternoon; cleared but hazy

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible]	[illegible]	7.57 K0	2-2-	[illegible]
0 45 E	+23 48	0-1	7.42 [illegible]	2-2-2	[illegible]
			~~7.58 K5~~		P.A. change [illegible]
					Changing by [illegible]
0 45 W	+13 03	1-2	7.50 K0	2-2-2	
1 10 W	+13 24+	1	7.38 K5	2-[illegible]	[illegible] 2.32 [illegible]
				Mar. 12	MC +04.7 SC +38.0 MTW $-23^s.0$ (adv / mi) STW $-0^m.1$
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Date Mon. March 12-13 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
10945	HD 56941	7h 14.0	+42 50	I-25	E103a-O	008	+3.7	6 52	7 32	3	[illegible]
10946	62407	7 28.7	13 07	"	"	"	+3.8	7 37	8 17	4	[illegible]
10947	65522	7 54.0	13 30	"	"	"	+3.7	8 20	9 00	1	[illegible]
10948	64938	7 51.2	04 44	"	"	"	+3.7	9 04	9 44	2	[illegible]
10949	72208	8 26.5	10 09	"	"	"	+3.7	9 47	10 17	3	[illegible]
~~10950~~	~~99967~~	11 25.0	47 12	"	"	"					

On setting on 99967 - could not get dec S.M. to work - thought at first it was just at end of its run but on moving telescope down so I could get at it - could not get motor to turn at all

Motor gone wrong?

F = 23.72

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
43 E	+42 49	1	7.57 K0	2-2-2	
X 10m E	+13 01	1-0	7 50 K0	2-2-2	
7m W	+13 25	1-0	7 38 K5	2-2-2	
58 W	+4 41	0-1	7 32 K0	2-2-2	
52 W	+10 01	0-1	6 58 A0	2-2-2	gst strong wind bellowing
			~~7 49 K0~~		

Date Tuesday March 13-14 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						S.F				
10950	HD 60654	7 30.5	+40 14	I-25	E-103a-O	008	+06.8	19 00	[illegible]	
10951	65757	7 55.1	+23 53	"	"	"	+ 6.8	[illegible]	[illegible]	
10952	69478	8 12.1	+29 11	"	"	"	+ 6.8	[illegible]	[illegible]	
10953	69149	8 [illegible]	+54 26	"	"	"	[illegible]	[illegible]	[illegible]	
10954	[illegible]	[illegible]	+53 53	"	"	✓	[illegible]	[illegible]	[illegible]	
10955	73131	8 31.6	+53 16	"	"	"	[illegible]	[illegible]	[illegible]	
10956	99967	11 [illegible]	+47 12	"	"	"	[illegible]	[illegible]	[illegible]	

Thursday March 15-16 1945-H Stars at [illegible] 20 [illegible]

Delay in starting because in setting on first star the wooden hand-wheel (dec motion) dropped off motion rod. Had to bring telescope down and put in a nail. Focus set 23.67

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	0 22 E	+40 10	1	7.72 Ma	2-2-2	
[illegible]	0 07 E	+23 47	1	7.92 K0	2-2-2	Seeing variable
[illegible]	0 16 W	+29 23	1	7.31 K0	2-2-2	
[illegible]	1 11 W	+54 22	1-2	7.58 K5	2-2-2	
[illegible]	1 31 W	+53 48	1	6.14 F0	2-2-2	
[illegible]	1 53 W	+53 27	1	7.54 [illegible]	2-2-2	
[illegible]	1 12 E	+47 38	1-2	7.89 [illegible]	2-2-2	[illegible]

[illegible] fitting in orbit

Wed.

Sky thick. South wind not much hope of getting 2 remaining S*

	MC	SC	MTW	STW
Mar. 15	+06.8	+39.1	$+06^{s}.8$	$+0^{m}.2$

Date 1959 March 16-17 Friday N-U **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
10957	HD 64052 HD 6371	07 46.9	+03 32	1-25	E 103a O	M .008	+14.2	19 14	20 54	3
10958	χ Vela	05 26.2	+32 07	"	"	.005	" 4.3	21 03.5	21 16	4
10959	HD 63630	[illegible] 44.5	+46 12	"		M .008	+14.2	21 25	21 53	1
10960	94237	10 47.5	+00 21	"	"	"	+14.3	22 03	23 15	2

Focus at 23.57 ±

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 24 W	+03 28	0	7.54	K2	2-2-2
	3 26 W	+32 11	0	4.66	F1	3½-2-3
	1 24 W	+46 07	0	6.61	A3	2-2-2
	0 15 E	+00 37	0	7.77	K5	3-3-2

Date ..... March 18-19, 1945 H.U. Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10961	HD 64052	07 46 9	+03 32	T-25	E-103a-0	3.5 008	+13.5	19 03½	21 [illegible]½ 3	[illegible]

Transit 23.57

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 [illegible]	1 15 W	+03 26	1	7.94 Ma	2-2-2	Light haze - increasing. Thicker + thicker + thicker

	MC	SC	MT	SC
Mar. 19	+10.0	+40.4	+26.2s	+0.1m
Mar. 22	+11.4	+41.8	-27.0s	-0.0m

reset.

31

Date Thursday, March 22-23 1945 14 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle	De
10962	HD 63630	07 44.8	+46 12	I-25	E-103-0	S.P. 008	+7.7	20 35	21 35	4	
10963	99967	11 25.0	+47 12	"	"	"	+7.6	22 00	23 00	1	

Thick clouds end of afternoon and early dark; clear from the 30
west early evening, but edge of bank not moving off overhead until after 20h

From 20h 23.6h

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
1 54	1 38 W	+46 08	0.5	6.57 A3	2-2-2 Binary Fair light & dark feature
					Thick clouds 21h00; star gone 21h02 – 21h23; due to
					bright moonlit clouds, the photographic plate was
					protected by putting in the finding mirror.
					Haze - light clouds
2 1	0 44 E	+46 59	0-1	7.49 K0	2-2-2 Clouds 22h30 – 22h45; 22h55 star gone
					Clouding of infinitely. Closed at 23h0m

Date [illegible] Mar. 23-24 Friday N-U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Mid	Dec
10964	HD 34078 [illegible]	05 09.1	+34 12	I 25	[illegible]	M .603	+0[illegible]	1[illegible] 10	19[illegible]		
	"					L .065		1[illegible] 10	[illegible]		
10965	HD 36371 χ Aur.	05 26.2	+32 07	–	–	–	[illegible]	17 15	[illegible]		
10966	HD 43194	06 21.2	+13 10	–	–	P 0.008	[illegible]	[illegible]	[illegible]		
10967	03630	07 44.8	+46 12	–	–	–	[illegible]	[illegible]	[illegible]		
10968	68461	08 07.4	+16 49	–	–	–	+08.1	20 [illegible]	[illegible]		
10969	HD 80493 YP [illegible] HD 82635	09 15.0	+34 49	–	–	–	[illegible]	[illegible]	[illegible]		
10970	[illegible] HD 84441	09 28.1	+36 50	–	–	–	[illegible]	21 [illegible]	[illegible]		
10971	[illegible] HD 86663	09 40.2	+24 14	–	–	–	+05.1	22 [illegible]	[illegible]		
10972	[illegible]	09 54.9	+08 31	–	–	–	[illegible]	[illegible]	[illegible]		
10973	[illegible] 95507	11 25.0	+47 12	–	–	–			[illegible]		
	[illegible]										

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 11 W	+34 16	1	5.57	B0	3-3
2 02 W					3-3
1 59 W	+32 12	1-2	4.66	B1	3-3,3-3
1 42 W	+12	1	7.99	F0	2-2-2
0 50 W	+46 07	1-0	6.61	A3	3-2-2
0 53 W	+16 43	1	6.90	G0	2-2-2
0 12 W	[illegible]	1	5.0	M0	[illegible]
[illegible]	[illegible]	1	[illegible]	G5	[illegible]
0 37 W	+34 02	1	3.9	G5	?,6,6
0 54 W	[illegible]	1	6.7	M2	2-2-2
0 13 W	[illegible]	1-2	7.49	[illegible]	2-3-2

Date 1945 Sat. Mar. 24-25 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
10974	HD 45194 HD 2973	6 21.0	+13 10	I-25	E103a-O	0.08	+13.0	7 12	7 44	1		
10975	YP 2228 S Gem HD 61421	6 58.2	20 43	"	"	"	+13.0	7 50	8 [illegible]	2		
10976	YP 2423 [illegible]	7 34.1	5 29	"	"	"	+12.7	8 15	8 15	3		
10977	HD 63630 HD 77912	7 48.8	46 12	"	"	"	+12.8	8 30	8 52	4		
10978	YP 2874, B 2437	9 00.2	38 51	"	"	"	+12.6	8 58	9 20	1		
10979	HD 82780 HD 82308	9 29.1	40 24	"	"	"	+12.9	9 24	9 54	2		
10980	YP 2993 λ Leo	9 26.0	23 25	"	"	"	+12.9	9 59	10 16			
10981	HD 99957 HD 95123	11 25.0	47 12	"	"	"	+13.0	10 21	11 01	4		
10982	YP 3370 47 Ur Maj HD 75339	10 53.9	40 58	"	"	"	+12.9	11 10	11 30	1		
10983	YP 3466 56 "	11 17.3	44 02	"	"	"	+12.9	11 34	11 54	2		

End plug in hinder-to-trail Focus 22 60

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
1 10 W	+13° 10′	1	7.09	F8	2-2-2	Binary
50 W	—	1	var	G0	5-5-5	2m, 3m, 4m flipper ½
30 W	—	1	0.9	F5	5 5 (5)	? 7s 14 20
55 W	46 07	1-2	6.61	A3	2-2-2	Binary
07 W	—	1-0	5.5	G5	3-3 3-3	8m 14m flipper ½
13 W	40 15	1-0	6.90	F2	2-2-2	Binary
42 W	23 13	0-2	5.7	K5	3-3	7m + 13m F ?
36 E	47 02	1-2	7.49	K0	2-2-	Revised-Focus
24 W	—	2	5.7	G0	3-3 3-3	18m 12m flipper ½
X 17 W	—	2-3	5.9	G5	3-3 3 3	6. 12 "
	Plate Box in dome				12 plates + 2	

Date Sunday March 25-26 4-U **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
10994	HD 35468 γ Ori	05 [illegible]	[illegible]	I-25	[illegible]	[illegible]	14.8	19 [illegible]	19 [illegible] 40	[illegible]	
10995	HD 36371 χ Aur	05 [illegible]	+32 [illegible]				14.8	19 [illegible]	20 [illegible]	[illegible]	
10996	HD 34078 [illegible] 1249	[illegible]	+34 12				14.7	[illegible]	[illegible]	[illegible]	
10997	HD 35497 β Gem	05 [illegible]	[illegible]				14.7	[illegible] 35	20 [illegible]	[illegible]	
[illegible]	HD 34078 [illegible] 1249	05 [illegible]	+34 14				14.7	[illegible]	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	HD 85503 [illegible]	[illegible]	[illegible]				15	[illegible]	22 41	[illegible]	
[illegible]	HD 40277 [illegible]	10 [illegible]	[illegible]				[illegible]	[illegible]	[illegible] 04	[illegible]	
[illegible]	HD [illegible]	09 29.1	40 24				14.6	23 22.	0 04		
[illegible]	HD 17778 YP [illegible] 72	[illegible]	+23 38				[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]								
[illegible]	HD 106760 YP 3637	13 [illegible]	-33 [illegible]				14.5	0 36	1 00	2	

Ending Time E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21 50 W	16 19	0	1.51 B2	6, 6; 6, 6;	20°; 30°, 50° 100°
2 33 W	32 11	0	4.66 B1	3-3; 3-3; 3-	8m; 12m; 20m Hyper in 10m
[illegible] 13 W	34 15	0	[illegible] [illegible]	3-3,	20°
0 3 [illegible] W	26 35	0	1.[illegible]3 B8	[illegible]	[illegible]
[illegible] W	37 15	0	5.57 B0	2-3	[illegible]
[illegible] W	46 07	0	6.61 A3	2-2-2	[illegible]
[illegible] W	26 19	0-1	[illegible] [illegible]	3-3; 3-3	[illegible]
[illegible] W	34 05	[illegible]-1	[illegible] F2	3-3; 3-3	[illegible]
3 [illegible] W	[illegible] 16	0	6.90 [illegible]	2-2-2	[illegible]
[illegible] W	[illegible] 07	[illegible]-1	6.2 M0	3-3	[illegible]
				6/7	
0 42 W	+33 35	0-1	6.1 F0	3-3	
					[illegible]
					8 [illegible]
					Several [illegible]

	MC	SC	HTW	STW	SW
Mar. 26	+13.8	+43.3	-16.2	-0.m0	-03.8

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10995	HD 36371 ~~[illegible]~~	05 26.2	+32 07	I-25	[illegible]	L 005	19.2	[illegible]	20 [illegible]	3
[illegible]	HD 34078 Boss 1249	[illegible]	+34 12	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	+46 12	"	"	M 008	19.2	[illegible]	21 [illegible]	[illegible]
[illegible]	[illegible]	09 29.1	+40 24	"	"	"	19.2	21 18	21 49	2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HD 92125 [illegible]	10 33.1	+32 30	"	"	"	19.1	22 46	23 03	4
[illegible]	HD 94264 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HD 98230/1 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HD 101153 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HD 107700 [illegible]	[illegible]	[illegible]	"	"	"	19.0	0 35	0 53	4

HSA [illegible] 41

[illegible]

Temp. [illegible] 67°F [illegible]

[illegible] 2349

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
2 42 W	+22 11	1	4.66 B1	3;3-3;2-3 58m (1/4 - 11°); 11m, 7m
3 37 W	+24 07	1	5.57 B2	2-3
1 29 W	+46 07	1	6.21 A3	2-2-2 Binary
1 20 W	+40 13	1	6.92 F2	2-2-2 Binary
1 42 E	+47 22	1-0	7.49 [illegible]	2-2-2 Binary
0 [illegible] W	+33 [illegible]	1-0	5.4 G[illegible]	[illegible] 10m; 5m
1 39 W	+31 32	0	[illegible]	[illegible] 3m, 2m, 7m
0 31 W	[illegible]	0	[illegible]	[illegible] 8m, 4m, 15m
0 50 W	[illegible]	0-1	[illegible]	3-3
				[illegible]
1 37 W	+21 11	1	5.2 F5	6;6 18m, 8m

Date Wed Mar 28-29 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
11005	HD 68461	8 07.4	16 49	I-25"	F103a-0	008	+20.3	7 33	7 05	1	[illegible]
11006	82780	9 20.1	40 24	"	"	"	+20.3	8 06	8 36	2	[illegible]
11007	HD 86728 YP 3125 [illegible]	9 55.2	32 35	"	"	"	20.4	8 44	9 08	3	4 E
11008	HD 89010 YP 3174 35 [illegible]	10 11.0	24 00	"	"	"	20.4	9 13	[illegible]	4	[illegible] E
11009	HD 89025 YP 3176 5 "	10 [illegible]	23 55	"	"	"		9 43	9 51	1	16 E
11010	HD 90967	11 25.0	47 12	"	"	"	+20.2	10 01	10 51		[illegible] E
	Focus										
~~11011~~	~~YP 3592 9-1830~~	~~11 47.2~~	~~38 26~~	~~"~~	~~"~~	~~"~~	~~+20.1~~	~~10 58~~			
		Thu 1945 [illegible]	[illegible]		cloudy	wet	[illegible]	N			
		Friday [illegible]	[illegible]		cloudy	wet	[illegible]	+			
		Saturday - clear or	partly at 9[hr]		cloudy	10[00]	11[00]	[illegible]	[illegible] beyond	Y	
		Sunday [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

Focus unchanged.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
1m W	16 44	1	6.90 G6	2-2-2	very high wind
49 E	40 16	1	6.90 F2	2-2-2	
41 E	32 13	1	6.4 G5	3-3 3-3	8m 16m F ½
28 E	23 48	1	6.5 G0	3-3 3-3	10 16 "
16 E	—	1	3.9 F0	5-5-5	1m 2m 3m F ½
30m E	47 01	1	7.49 K0	2-2-2	
	38 10	1	7.3 G5	2-	too many clouds

	MC	SC	MTW	STW
Mar. 29-30	+15.5	+45.2	−03.7s	+0.2m
Apr. 2	+17.2	+47.3	+24.2s	+0.1m

crew overd at 9-16.30. Evening clouds [illegible]

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	46 58			

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11012	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11013	82780 HD 90537	09 29.1	+40 24	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11014	[illegible]	10 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11015	[illegible]	11 20.5	[illegible]	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

snow flurries during day and rain [illegible] with very high winds [illegible] clearing after dark; [illegible] still strong.

Ending Time G.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	1 16 E	47 00		49	2
	1 18 W	+40 15		6.90 F2	
	0 54 W	+37 00		5	3
	0 38 W	+37 00		7	
					clouds in north

Date Friday, April 6-7, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11016	HD 45794	06 21.0	+13 10	D-25	E-103a-O	008	+8.1	19 26	20 04 1	1 28W
11017	82786	09 29.1	+40 24	"	"	"	+8.1	20 07	20 45 2	0 35E
11018	99967 HD 89125	11 25.0	+47 12	"	"	"	+8.0	20 50	21 36 3	1 28E
11019	YB 31792 39 Lyn HD 89949	10 12.7	+23 36	"	"	"	+8.0	21 41	22 11 4	0 21W
11020	3189 = 40 Lyn	10 14.3	+19 59	"	"	"	+8.0	22 13½	22 32 1	0 21W
	[illegible]	[illegible]	[illegible]							
11021	HD 99202	11 20.5	+27 19	"	"	"	+8.0	22 38	23 20 2	0 [illegible]

Found that ① back of holder #4 was not in place; discovered [illegible]
② back of holder #2 was inverted; reversed [illegible]

Clouds in afternoon; clearing around sunset. Variable S-SW wind. 48

Sunset 23.6

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
[illegible]	2 23W	+13 08	1	7.09	F8	2-2-2	Image small but very [illegible]
[illegible]	0 03E	+40 14	1	6.90	F2	2-2-2	← Clouds in NE; over field of HD 99967 [illegible] good post [illegible] of setting on 99967. Light [illegible]
[illegible]	1 08E	+47 02	1-2	7.49	K0	2-2-2	Light clouds coming [illegible]
[illegible]	0 40W	+23 25	1	6.2	F5	3-3;3-3	10m; 18m 30m Clouds [illegible] good
[illegible]	0 59W	+[illegible] 44	1	5.4	F5	6;3-3	6m; 12m [illegible]
[illegible]	0 40W	+27 05	1-2	7.21	A2	2-2-	Increasing clouds after [illegible] 23h30. Still thick 23h40 – cloud [illegible] 2 holders loaded + 8 plates in box

Date Sat Apr 7-8 Y. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
11022	HD 82780	9 29.1	40 24	I-25	E103a-O	.008	+12.5	7 28	8 08	3	
11023	99967	11 250	47 12	"	"	"	+12.5	8 16	9 06	4	
11024	99302	11 305	27 19	"	"	"	+12.6	9 15		1	

Focus 23.60

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
38 E	+40 15	0-1	6.90 F2	2-2-2	Some haze
1 35 E	+47 02	0-1-2	7.49 K0	2-2-2	clouds & haze.
	+27 05		7.21 A2	2-	star gone most of time. plate discarded
					Plate Box in dome.

Date Sunday April 8-9 1945 H-U **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
						M .008	16	19 27	19 49	2
						"	16	19 59	20 27	3
						"	16	20 31	21 15	4
	HD 95135	10 579				"	16	21 20	0 20	1
	HD 111812					"		0 33	0 43	2
	HD 113496					"		0 45	1 07	3

Hour Angle End

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Date Monday April 9-10 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
11030	HD 82780	9 29.1	40 24	I-25"	E103a-O	008	+17.1	7 29	8 29	4	0hr E
11031	99967	11 25.0	47 12	"	"	"	+17.1	8 37	10 07	1	2.6 E
11032	HD 106714 YP 3686 γ Coma.	12 11.3	24 30	"	"	"	+16.9	10 11	10 31	2	[illegible]
11033	HD 112033 YP 3886 35 "	12 48.4	21 47	"	"	"	+16.9	10 34	11 08	3	[illegible]
11034	HD 112769 YP 3906 36 "	12 54.0	17 57	"	"	"	+16.9	11 12	11 52	4	0hr E

Focus unchanged

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
[illegible]	9m E	40 14	0	6.90 F2	2-2-2	0 Exp x 2
[illegible]	26 E	47 00	0	7.49 K0	2-2-2	
[illegible]	48 E	24 15	0	6.1 G8	2-2-2	flapper 1/3 2/3
[illegible]	48 E	21 32	0	6.1 G6	3-3-3-3	14m 20m
[illegible]	9m E	17 44	0	6.8 Ma	2-2-2	

Box in Dome.

20 plates in Dome

Date Tuesday April 16-11 1935 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11035	HD 45124	06 21.2	+18 15	I-25	F-1934-0	2.4	19.6	19 39	20 37	1	
11036	82788	09 29.1	+42 24	"	"	"	19.7	20 42	21 42	2	
11037	HD 89744 YP 3197	10 16.2	+41 44	"	"	"	19.9	21 45	22 11	3	
11038	HD 89758 3195	10 16.4	+42 00	"	"	"	19.5	22 12	22 37	4	
11039	HD 96833 3416	11 14.4	+45 02	"	"	"		22 36	23 37		
11040	HD 98262 3451	11 19.1	+30 55	"	"	"	19.7	23 00	23 [illegible]	2	
11041	HD 103095 3582	11 49.2	+39 26	"	"	"	19.7	23 26	[illegible]	3	
	Sun [illegible]	[illegible]	[illegible]								

Trans est 33:17

Sidereal Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	3 15 [illegible]	+13 11	0	7.2 [illegible]	2-2-2	* [illegible]
[illegible]	1 01 [illegible]	[illegible]	0	[illegible]	2-2-2	[illegible]
[illegible]	0 [illegible]	+[illegible]	5	[illegible] 4	3-3	[illegible]
[illegible]	1 [illegible]	[illegible]	5	4.8	[illegible]	[illegible]
[illegible]	0 [illegible]	[illegible]	[illegible]	[illegible]	6,6,6	[illegible]
[illegible]	1 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1 [illegible]	[illegible]	[illegible]	7.2	[illegible]	[illegible]

Date Wed Apr 11-12 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11042	HD 82780	9 29.1	40 24	I-25	E103a-0	008	+20.0	7 44	8 44	4
11043	YP 3140 Sideo	10 02.6	10 29	"	"	"	+20.0	8 51	9 21	1
11044	HD 89449 YP 3189	10 14.3	19 59	"	"	"	+20.0	9 24	9 44	2
11045	HD 96097 YP 3299	10 59.9	7 53	"	"	"	+20.0	9 50	10 15	3
11046	HD 99302	11 20.5	27 19	"	"	"	+20.0	10 20	11 20	4
11047	HD 108381 YP 3754	12 22.0	28 49	"	"	"	+20.0	11 24	11 46	1

Thursday April 12-13, 1945 N - Cloudy, breaking up [illegible] 21 [illegible]

Friday April 13-14, 1945 H Cloudy early evening. Clear [illegible]

Focus unchanged.

Ending Time L.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
[illegible]	15 W.	40 15	0	6 90 F2	2-2-2	[illegible]
[illegible]	19 W.	10 19	0	6 2 K5	2-2-2	fl. upper 1/3 2/3
[illegible]	30 W	19 46	0-1	5.4 F5	3-3 3-3	" 1/2 1/2 8m 12m.
[illegible]	15 W	7 40	0-1?	5 0 F0	5-5 5	6m 8m 10m fl. upper 1/2
[illegible]	1 00 W	27 06	0-1	7 27 A2	2-2-2	star looks very fl.
[illegible]	25 W	28 36	0-1	6 0 K3	2-2-2	

	MC	SC	MTW	STW
Apr. 12	+23.0	+53.6	−05.8 reset	+0.5

[illegible]

[illegible] high wind 21h45m–21h5m (about 1 min. [illegible]). [illegible] was too strong for [illegible] [illegible] 21h15m. Clearing (?) again. [illegible] wind. [illegible]

Date Sat. April 14-15 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
11048	HD 82780	9 29.1	40 24	I-25	E103a-O	.008	+10.0	7 39	9 09 2	50	-
	Sunday, April 15-16 1945 H - Cloudy										
	Tuesday, April 17-18, 1945 H - Clear and [illegible]										

Trouble finding star.

Focus 23.62

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
1:1?	50 W	40 15	0	6.90 – F2	2 – 2 – 2	0 Exp x 3! Take centre of Exp. 8 30 ?

	MC	SC	MTW	STW
Apr. 18	+25.8	+57.1	−15.0 s	+0.2 m

61

Date Wed. Apr 18-19 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
~~11049~~	HD 99967	11 25.0	47 12	~~I-25~~	~~E1030.0~~	002			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
				149. KO.		
						Cloudy at first - Snowing at 9^00 started
						to open 9^30. cloudy 10^00!

·63

Date 1942 Apr. 19-20 January N-U **Julian Day** 1

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11049	HD 82780	09 29.1	+40 24	1-25	E-103aO	·008	+08.3	20 22	21 29 3		
11050	99302	11 20.5	+27 19	"	"	"	+08.3	21 29	22 5 4	X	
	focus test										

Very cloudy — most of sky at zenith. Cumulus and [illegible] on north - west.

Focus 23 66 ±

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1 23 W	40 15	1	6 90	F2	2-2-2	lunar halo [illegible] (Corrected shape after 1st exp.) [illegible]
3 [illegible] W	21 06	1-0	7.21	A2	2-2-2	sky getting [illegible] - cloud out.
						4 leaves landed; left box.

Date Friday April 20-21 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	
						S.P.						
11051	HD 82780	09 29.1	-40 24	1-25	E-103a-O	0.8	+71	19 47	20 07	1		
11052	HD 99202	11 20.5	+27 19	"	"	"	+71	21 27	22 [illegible]	2		

Cloudy all day, clearing late afternoon.

Stars 2365

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	1 24	+41 15	0	6.90	F2	2-2-2	Light cirrus, clouds 20^{-15} — end. Sky [illegible]
							Showing tracks all last half of night. [illegible]
	1 24	+27 06	0	7.21	A2	2-2-2	Light clouds north of [illegible]
							Haze rising in east forming slight [illegible]
							second night — HD 92382.
							Cleared up 23^{30} [illegible]
							Thickened again.
							(3" snow Saturday morning.)

Date Sat Oct 21-22 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11053	HD 82780	9 20.1	10 24	[illegible]	[illegible]	008	+4.7	7 42	8 30	3	[illegible]	
11054	" 99302	11 20.5	27 19	"	"	"	+4.8	8 43	9 39	4	[illegible]	
11055	HD102212 YP3557 ν Virgo	11 40.7	7 05	"	"	"	+4.7	9 46	10 18	1	[illegible]	
11056	HD102529 [illegible]	[illegible] 42.8	[illegible] 46	"	"	"	+4.5	10 22	10 38	1	[illegible]	
11057	HD107383 3721 11 Coma	12 15.7	18 51	"	"	"	+4.6	10 42	11 14	2	[illegible]	
11058	HD 116594 Zone	13 19.5	12 57	"	"	"	+4.6	11 17	12 17	4	[illegible]	

Sidereal Watch 12h out

Focus 23.70

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
39 W	+40 15	0-1	6.0 F2	2-2-2	Trouble getting plate holder out
2m E	27 06	0-1	7.21 F2	2-2-2	
16 W	6° 52′	0-1	5.9 N1	3-3 3-3	Dome burning freely 12m 20m 3/4
35 W	20 31	0-1	4.9 F0	5-5	6 - 10 1/2
37 W	18 06	1	5.9 G6	3.3 3.3	12 20 1/3 1/3
37 W	12 42	0-1	7.3 G7	2-2-2	
				1-5	
					Dome Temp +33 at end
	Plate Box in dome				

Date Sunday April 22-23 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11059	HD 82780	9 21.1	-40 24	I-25	E-103a-O	1.5	+7.5	19 50	21 30	X

Friday 1945 Apr. 27-28 N.
Drow most of day with high winds. Breaking ~21h but still too cloudy to observe 22.30.

Clear most of day, cloudy and [illegible] afternoon
Partly clearing after midnight.

Frame out 22.66

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	X 1 33 W	+40 15		6.90 F2	[illegible]
					Increasing clouds but bits of sky [illegible]
					Completely cloudy by 21^{30}
					MC SC MTW STW
					Apr. 23 +28.6 +59.3 +18.6 +0.2 reset
					Apr. 25 +29.8 +61.2 +22.8

Date April 28-29 Sat. Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
11060	HD 82780	9 29.1	40 24	I-25	E103a-O	008	+6.0	19 55	20 45	2	[illegible]
11061	" 99302	11 20.5	8 19	"	"	"	+6.1	20 52	21 52	3	[illegible]
11062	" 108651	12 23.8	36 27	"	"	"	+6.1	21 56	22 36	4	[illegible]
11063	" 116504	13 19.5	12 57	"	"	"	+6.1	22 41	23 41	1	[illegible]

Focus 23.70

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
1^h 22^m W	40 13	0-1	6 90 F2	2-2-2	hunting
38 W	27 04	0-1	7 21 A2	2-2-2	
20 W	26 12	1	6 77 A3	2-2-2	
29 W	12 43	0-1	7 3 G7	2-2-	hazy
	Plate Box is Gone				
	1 sh of 99302 [illegible]				
	[illegible]				
	once per week.				

Date Sunday April 22-23 1905 H-U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
H-U 2	HD 82780	09-39	+49-24	I-25	Y-103a-O	.008				2
		Tuesday	May 1		Y-O H	replaced the				
			replaced motor.							
			In doing this we unbolted motor from shaft coupling, to see if it was							
			motor was							
			Also replaced							
			slit, was at							

Cloudy most of afternoon, clearing at [illegible] sunset.

Trans 23.64

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				699 F2	Clouds prevented ever finding the star.
					Finished - closed up 2[illegible]
					Apr. 30 — MC +31.4 — SC +65.4 — MTW $-24^{s}.4$ — STW $+0^{m}.4$ reset

Date Tuesday, May 1-2, 1945 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11063	HD 82780	09 27.1	+40 24	I-25	E 103a-O	Est 008 S!	15	20 40	(21 5) 2		

Cloudy all day. Clear [illegible] at end.

Sun set 22.66

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 [illegible]	[illegible]	0	6.90 [illegible]	2-2-2	[illegible]
						[illegible]
						May 2 — MC +32.2 — SC +63.8 — MTW −16.2 — STW +0.6

	MC	SC	MTW	STW
May 2	+32.2	+63.8	−16.2	+0.6

77

Date Wed May 2-3/45 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
11064	HD 99967	11 25.0	47 12	I-25	E103a-0	.008	+13.0	8 05	10 05
	Thu. May 3-4,		Rain	N					
	Friday May	11-12	N	Clouded over late afternoon. Partly cleared around 21h, clouded over again.					

Form 2260

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
11 35	1 02 W	47 :00	0	7.49 KO	2-2-2 hazy	
						found stopped MTW STW May 5 + 24s +0.2m May 7 +29 +0.2 reset - stopped
						1945 May 8 Tues. V.E. Day No one on duty.
						MC SC MTW STW May 9 +34.6 +65.1 -0.4s -0.1m
						Wed. generally cloudy Thursday - H - Cloudy with rain early evening Partly clearing 11:30 but clouds again later clear at dawn.

Date Sunday May 13-14, 1945 H-U Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
11065	HD 99967	11 25.6	+47.2	I 2.5	E 30-0	[illegible]	41.5	20 32	21 35.4
		1945 May 17-18		Thu.	Rain	(still)	N		

[illegible]

[illegible] ([illegible])

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible] 13 [illegible]	47 02	0	7.49 K0	2 - 2 - 2	[illegible]

[illegible]

	MC	SC	MTW	STW
May 14	$+36^{s}.6$	$+66^{s}.9$	$+18.6$	$+0.0$

81

Date Sat May 19-20 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
11066	HD 99302	11 20.5	27 19	I-25	E103a-O	008	+14.4	8 30	9 30	1	1 39
11067	HD 124897 YP4251 α Boötis HD 125560	14 11.1	19 42	"	"	"		10 14,	10 20, 10 23	2	
11068	YP4275, 20 HD 129712	14 15.0	16 46	"	"	"	+14.1	10 35	10 59	3	
11069	YP4324 34	14 39.0	26 57	"	"	"	+14.1	11 03	11 33	4	

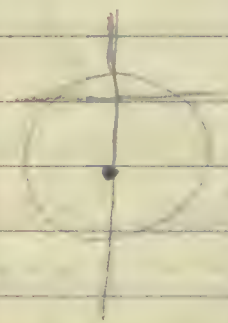
Focus 2358

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comb.	REMARKS
	1h 39m W	27 07	0	7.21 A2	2-2-2	very hazy
	17m E		0	1.2 K0	6-6-6	5, 10 : 7, 14 : 10, 20 ; focus
	14 W	16 38	0-1	6.4 K3	3-3	1/3 1/3
	21 W	26 49	0-1	6.7 M3	2-2-2	1/3 2/3
						Plate Box in Frame
						[illegible] — [illegible] exposure, [illegible] [illegible] of the Frame. [illegible] ground glass. finally got it focused. On looking on [illegible] you will see [illegible] [illegible] — [illegible], which [illegible] [illegible] light we used to use for ground glass — when [illegible] [illegible] of this it will be [illegible]

	MC	SC	MTW	STW
May 21	+39.6	+70.4	+02.8s	0.8m
22	+39.5	+68.8	+04.8s	+0.2m

Date Wed. May 23-24 Y-D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H
11070	HD 99302	11 20 5	+ 27 9	I-25"	Eastman O	.008	13.0	8 36	9.30	2
11071	" 116594 HD129972	13 19 5	+ 12 57	"	"	"	12.5	9 36	10 36	3
11072	YP 4383 o Bootis HD130917	14 40 6	+ 17 23	"	"	"	12.8	10 39	11 03	4
11073	YP 4402 Rosc 3785	14 45 2	+ 38 13	"	"	"	12.7	11 07	11 41	1
	Focus									



Correct position of stars in [illegible] of plate

May 23 HC +39.3 DS +69.4 PTW -0.9 PTU -0.7 84

Focus set 2960

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS	
	1h 54m W	27 07	0-1	7.2: A0	2-2-2		good
	1h 07m W	12 47	0-1	7.30 G7	2-2-2		good
	0h 07m W	17 14	0-1	5.7 K0	2-2-2	~~[illegible]~~ 1/3 2/3	fine
	42 W	38 03	0-1	6.3 F0	2-2-2	1/2 1/2	fine
					7-5		
						Focus good	
		Plate Box [illegible]					

Date 1945 May 24-25 Thu. N - D **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11074	HD 103651	12 23.8	+26 27	1-25	E103a	.008	+16.8	20 42	21 16	2
11075	106999	12 13.2	+27.52	"	"	"	+16.7	21 22	22 18	3
11076	116594 HD131511	13 19.5	+12 57	"	"	"	+16.6	22 29	23 05	4
11077	YP 1323 BS 5553	14 48.9	+19 33	"	"	"	+16.5	23 14	23 50	1
	focus									

Greenw. 23 52 ±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
[illegible]	0 42 W	+26 17	1-2	6.77	A_3	2-2-2	time lost finding star — new experience. strong
[illegible]	1 54 W	+27 38	1-2	7.46	A_2	2-2-2	Kap. 3 x 3 seeing improving strong
[illegible]	1 35 W	+12 47	2	7.30	G_7	2-2-2	time
[illegible]	0 51 W	+19 23	2	6.8	K_1	2-2-2	flipper 1/3 3/3 seeing 5 strong
							" 8
							Greenw. [illegible]

87

Date [illegible] H. D. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
11078	HD 108651	12 23.9	36 27	[illegible]	[illegible]	.029	19.4	21 19	21 57
11079	HD 114996	12 09.1	33 04	"	"	"	19.5	22 05	22 59
11080	HD 152224	16 47.0	32 44	"	"	"	19.5	23 10	"
	[illegible]	[illegible]	[illegible]	[illegible]					

Sunday, May 27-28, clouds followed by [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Temp	REMARKS	
	1h 29m	36 15	1	6.77	2-2-2		fine
	1h 49m	32 52	1-2	7.31	2-2-2	Seeing improving	very good
	[illegible]	32 40	1-2	7.26	2-2-2		fine
							OK

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 13	23 27 1	[illegible]	

	MC	SC	MTW	STW
May 28	+42.3		+01.3	−0.0
29 (WRGN)	+41.6	+68.9	+02.0	+0.1
31	+41.5	+68.5	+06.2	+0.1

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
3 21 W	−26 13	0.1	6½ A3	2-2-2
				Jun. 4 +42.1 +68.5 +00.3 ~~+1.6~~ +0.3

91

Date 1945 June 5-6 Tues. H.D. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
	HD113226										
1 1 5 2	3919-6 Vir	12 57.2	+11 30	[illegible]	[illegible]	008	19.1	20 49	21 [illegible]		

Cloudy most of day, clearing late afternoon. Cloudy at night, not safe to look.

Spectrum [illegible] very faint dark [illegible] 6 Vul, [illegible] for [illegible] clouds and difficult. Focus not [illegible] good?

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 45 N	+11 15	0-1	4.0 K0	6; 6; 6	Sep. 2m, 4m, (.9) PA [illegible] 2/3
						Clouds much of last afternoon, [illegible]
					Set	M-3. Star hung clouds. Hung [illegible]
						instead of star-trails [illegible] (faint
						stars were visible on fairly sharp images)
						Closed up 22m; plate bag is down

93

1945

Date Wed. June 6-7 Y-D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Pr	Hour Angle End	D
11083	HD116594	13 19.5	12 57	35"	E-103a-O	.008"	16.1	20 46	22 06	3	[illegible]	
11084	HD127665 YP 4322 pBnta	14 27.5	30 49	"	"	"	15.8	22 14	[illegible] 28	4	[illegible]	
11085	HD139641 YP 4659 pBnta	15 34.2	40 41	"	"	"	15.6	22 41	23 11	1	[illegible]	
11086	HD141992 YP 4720 pSerp	15 46.9	21 17	"	"	"	15.6	23 10	[illegible] 52		[illegible]	
	Focus test outside Run house											

Form 2352 ±

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
$1^h 27^m W$	12 45	0-1	7.30G	2-2-2	
$0^h 41^m W$	30 39	0-1	5.2 K0	3-3	flipper 1/3 2/3 adjust light to illuminate cross wires
$0^h 19^m W$	40 34	0-1	6.3G5	3-3	" 1/2 1/2
$0^h 46^m W$	21 10	1	6.5 K5	3-3	" 1/3 2/3 setting ?
				2-5	

Date Thursday, June 7-8, 1945 H-D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11087	HD 108651	12 23.8	+26 27	I-25	I-103a-O	008	18.8	20 55	21 45 3	
11088	HD 117817 HD135722	13 27.7	+14 54	"	"	"	18.8	21 52	23 12 4	
11089	YP 4.24 - δ Boo HD141477	15 11.5	+33 41	"	"	"	18.9	23 15	23 [illegible] 1	
11090	YP 03+40 K Ser HD142091	15 44.2	+18 27	"	"	"	18.8	23 33	23 57 2	
11091	4722 - KGB	15 47.5	+35 58	"	"	"	18.8	23 59	0 21 3	
11092	HD152224	16 47.0	+32 44	"	"	"	18.8	0 23	1 35 1	
11093	{ 170829 Focus Test	18 26.4	+20 46	"	"	"	18.9	1 38	2 [illegible] 1	
11094	172187	18 33.7	+43 [illegible]	"	"	"	18.9	2 18 2 22	2 52 2	

Spent ½ hour setting on and running [illegible] with [illegible]
and with resulting time [illegible]

Focus set 22.48

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
2^h 06^{m}W	26 14	0	6.77 A2	2-2-2	Binary
2^h 29^{m}W	14 43	0-1	7.36 F0	2-2-2	8:15 Seeing improving [illegible]
	+33 33	0-1	4.5 K0	6;6	Stiffer in 2/3 ; [illegible] 5^m, 9^m.
0^h 58^{m}W	+18 18	0-1	6.1 M1	3-3	Stiffer in 2/3 (?) [Possibly in only ⅓]
1 17W	+35 53	0-1	6.0 K0	3-3	" " 2/3
1 34W	+32 40	1	7.26 K0	2-2-2	Binary
0 37W	+30 48	0-1	6.59 G5	2-2-2	"
1 05W	+43 12	1	6.26 A5	2-2-2	"
					Light louder during last exposure

Date 1945 Friday, June 3-9 N.D. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
11095	HD131156 YP 4472.5 Leo	14 46.5	+ 19 31	1-23	E [illegible]	CO [illegible]	20.4	22 10	[illegible]	3	[illegible]
11096	HD134083 YP 4492.43 Leo	15 02.9	+ 25 16	"	"	"	+ 20.8	22 24	[illegible]	4	[illegible]
11097	HD141714 YP [illegible] Her	15 45.4	+ 26 22	1-23	"	"	+ 20.8	22 59	23 17	1	[illegible]
11098	HD143107 YP 4754 εCrB	15 53.4	+ 27 10	"	"	"	+ 20.7	23 30	23 54	2	[illegible]
11099	HD150997 YP 4993 ζ Her	16 39.5	+ 39 07	"	"	"	+ 20.7	23 56	00 11	3	[illegible]
	focus test										

Late [illegible] because of clouds.
Clouds back still in [illegible]

[illegible] at 23 40 +

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
0h 34m W	+19 21	0	5.5 G3	2-2-2	bright [illegible] of sun, flipper [illegible]
0 43 W	25 58	0	5.4 F4	2-2-2	flipper ½
	+26 16	0	5.6 G4	2-2-2	flipper ½
0 49 W	+27 06	0	5.5 K2	2-2-2	flipper ⅔
0 21 W	+39 03	0	4.5 G4	3-3, 3-3	flipper ½, exposures 5m, 9m
				7-5	setting 10.

[illegible] leader + 2 plates

Date Sat June 9-10 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
11100	YP 4263 31 Boötes	14 36.7	48 35	[illegible]	E1020 0	008	21 4	9 41	[illegible] 11	4	[illegible]
11101	YP 4460 β	14 55.2	40 47	"	"	"	21 3	10 15	[illegible]	1	[illegible]
11102	YP 4665 [illegible]	15 35.1	47 08	"	"	"	21 3	10 35	11 06	2	[illegible]
11103	YP 4714 [illegible]	15 57.2	33 36	"	"	"	21 5	11 11	11 35	3	[illegible]
11104	YP 4948 [illegible]	16 40.2	34 13	"	"	"	21.4	11 41	00 31		[illegible]

Sunday from [illegible] " cloudy [illegible] fog.

Sky very hazy - gradually clearing

Focus unchanged.

Eastern Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	27 W	+8 26	0	5.9 G5	3 - 3	Polar [illegible]
	27 W	40 38	0	4.4 G5	6 - 6	1/2 6h 9m
	24 W	47 02	0	6.2 F1	3 - 3	1/2
	37 W	33 30	0	6.0 G0	3 - 3	1/2
	34 W	34 10	0	6.2 F2	3 - 3	1/2 higher
						Some hurry, sky still clearing
						No time to have a look
						Polaris not done
						Heat not put on
						MC SC MTW STW
						Jun. 11 +43.8 +68.8 -01.6 +0m.2
						Jun. 12 +45.0 +66.6 -02.8 +0.2 W.B.E.N.

Date Sunday June 12-13, 1925 H-D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Angle Mid	D
11105	YP4191 γ Boo	13 49.9	+19 54	I-25	E-[illegible]	[illegible]	21.5	9 35	9 49	1	[illegible]	
11106	YP4334 σ Boo	14 30.3	+30 11	"	"	"	21.0	9 58	10 18	2	[illegible]	
11107	YP4554 η Cor Bo	15 19.1	+30 39	"	"	"	21.1	10 24	10 57	3	[illegible]	
11108	YP4603 ζ Cor Bo	15 23.7	+29 27	"	"	"	21.2	11 02	11 24	4	[illegible]	
11109	HD 152224	16 47.0	+32 44	"	"	"	21.2	11 46	13 06	1	[illegible]	
~~11110~~	" 161130	17 38.7	+29 28	"	"	"	20.8	13 12	13 42	2	[illegible]	

Focus at 33.9 ±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Temp	REMARKS
	$1^h 03^m$ W	18 42	0-1	3.4 G0	6-6-6	flipper 1, in 8, 9 5, — up — [illegible]
	$0^h 52^m$ W	38 02	0-1	4.9 F_2	6-3-3	" " 6, 12 "
	$0^h 44^m$ W	30 31	0-1	5.7 G_6	3-3-3-3	" " 12, 20 "
	$1^h 04^m$ W	29 21	0-1	4.0 Fcp	6-6-6	" " " 3, 6, 12 "
	$1^h 05^m$ W	32 41	0-1	7.26 K0	2-2-2	10 minute wait for a [illegible] [illegible]
	$1^h 10^m$ W	29 28		6.09 A	2—	Cooling up again; [illegible] [illegible] [illegible] [illegible] [illegible]

All pl. looked
Epsilon in focus
Heat for mirror on

	m.c.	s.c.	m.T.W.	s.T.W.
June 3.	+42.6	+66.6	−01.1	+0.3 W.B.E.N.

Date Wednesday June 13 74-/45 No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
11110	Y.P. 4179. 9 Boötes	13 52.0	+27 59	1-25"	E-103a-O	Set .008	+23.9°C	21 03	21 53	2	
11111	Y.P. 4225 Es 3948	14 [illegible]	+27 04	"	"	"	23.8°C	21 59	23 17	3	
11112	Y.P. 4813 Boo. 4161	16 16.5	+29 57	"	"	"	23.8°C	23 21	[illegible]	[illegible]	
11113	H.D. 172157	18 33.7	+43 08	"	"	"	23.8°C	00 14	[illegible]	[illegible]	
11114	H.D. 172133	18 30.3	+44 50	"	"	"	23.8°C	01 12	02 40	[illegible]	
	Focus test - on this [illegible]				7s-6s						
11115	Y.P. 6134 x Sagittae	19 54.3	+19 13	"	"	"	23.8°C	02 54	[illegible]	[illegible]	

[illegible] 45 for [illegible] [illegible] time N

Sky hazy, at sunset

Focus at 23.40±

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
1 10W	+27 48	1	6.2	K5	2-2-2	Jupiter 2/3 time in. Image
1 56W	+36 55	1+	7.2	K0	2-2-2	" 2/3 " "
[illegible]	+39 53	1-2	5.8	F2	3-3	" 1/2 " " ; 20.26 mm.
[illegible]	+43 13	1-2	6.4	A5	2-2-2	Image
0 40E	[illegible]	1	6.3	A2	2-2-2	Image [illegible]
1 02W	+11 23	1	4.9	K5	3-3	Saturn 2/3 time in, 16.36 mm. [illegible]
						Heat in tower
						Regular time done.
						mc s.c m.w s.w.
						June 15 +44.0 +67.8 +02.5 +03+ CBL

105

Date Sat June 16-17 Y-D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hr	Hour Angle End
~~1111~~	YP 4326 γ Boo	14 28.1	38 45	25"	1-103a-O	Sq 60"				4	

Late starting

Focus unchanged

Reading Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
				3.3 FO		not worth continuing

107

1943

Date Mon June 18-19 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	4	Hour Angle End
11116	YP 4255 Rus 5347	14 12.3	40 13	I-25	E103a-O	008	+16 2	8 51	9 31	7	4
11117	YP 4326 8 Bools	14 28.1	38 45	"	"	"	+16 3	9 35	9 46	1	
11118	YP [illegible]	[illegible]	[illegible]	"	"	"	+16.3	[illegible]	11 11	2	
11119	HD 173187	18 [illegible]	43 08	"	"	"	+16.2	11 17	11 57	3	

Focus 23.5 : 2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
[illegible]	47 W	+40 01	0-1	66 F2	2-2-2	f ½
[illegible]	46 W	?	0-1	33 F0	6-6-6	" 2m 3m 4m
[illegible]	48 W	+43 20	0-1	77 H1	2-2-2	⅓ ⅔ [illegible]
[illegible]	1 38 E	+43 13	1	600 F5	2-2-2	" "

Done displacing at end of exposure.
Done color test with [illegible] up to [illegible] wire
well going, [illegible]

1945

Date Tues June 19-20 D **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	PH
~~[illegible]~~	[illegible]	16 16.5	39 57	[illegible]	E 10 [illegible]	[illegible]				4

Wednesday June 20-21 No - clear during afternoon, filling in at dusk. Partly clear (could see 1-2 magnitudes) at 2:15 AM.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
		C	58 F_2		[illegible]
					again [illegible] (11 30 EST) [illegible]
					be good enough in time [illegible]
					clear [illegible]
					[illegible]
					[illegible]
					[illegible]
					MC SC MTW STW
					June 20 +43.9 +68.6 +14.6 +0.4

(11)

Date 1945 June 21-22 Thurs. N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11120	XP4215; 15 Boo	14 09.9	+10 34	1-2	E 103aO	.008	+21.2	20 56	21 32	A
11121	XP 4270; 18 Boo	14 14.4	+13 28	"			+21.0	[illegible]	22 37	1
11122	XP 4279; 39 Sco	15 48.5	+13 31		"	"	+21.1	[illegible]	23 35	[illegible]
11123	HD 170859	18 26.4	+20 46				+21.0	23 42	00 46	3
11124	HD 172187	18 33.7	+43 08	"	"	"	+21.0	00 51	01 25	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	[illegible]	+10 23	0	6.2	G3	2-2 2	[illegible]
	2 03W	+19 16	0	5.7	G	2-2-22	[illegible]
	1 28W	+13 24	0-1	6.7	F9	2-2-2	[illegible]
	0 [illegible]	+20 (1)	1-2	13.7	G5	2-2-2	[illegible]
	0 22W	+18 14	1	6.40	A3	2-2-2	[illegible]

Date Friday June 22-23 1945 H-Sh **Julian Day** 2431629-

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11125	HD 172157	18 37.7	+43 06	I-25	[illegible]	.008	+24.6	20 49	21.29	[illegible]
11126	HD 116594	13 21.7	+12 43	I-25	E-103a-0	.008	+24.6	21.31	[illegible]	[illegible]
11127	SP 4616	11 05.7	+20 45	I-25	E-103a-0	.008	+24.4	23 07	23 33	[illegible]
11128	SP 4101	11 23.4	+21 42	I-25	E-103a-0	.008	+24.4	23.31	23.41	[illegible]
11129	SP 5227	17 26.7	+16 11	I-25	E-103a-0	.008	+24.3	23.53	00 15	[illegible]
11130	SP [illegible]	17 [illegible]	+27 47	I-25	E-103a-0	[illegible]	+24.5	00.17	00.29	[illegible]
11131	HD [illegible]	15 26.4	+20 41	I-25	E-103a-0	.008	+24.4	00.42	[illegible]	[illegible]
— 11132 —	HD 172157	18 38.7	+43 05	I-25	E-103a-0	[illegible]	+24.3	02 41	02 [illegible]	—
	Focus Test	Continuous through Focus 7.5 sec.								
11133	HD 172157	18 40.9	+43 16	I-25	E-103a-0	.008	+24.1	03.13	03.23	[illegible]
11134	SP 6270	21 24.3	-06 01	I-25	E-103a-0	.008	+24.5	03 27	03.52	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.			Focus Sol 23.49 REMARKS
3 19 E	+43 13	0-1	6.40	A5	2-2-2	[illegible]
3 24 W	+12 45	0-1	7.30	97	2-2-2	[illegible]
1 11 W	+31 39	0-1	6.1	K1	2-2-2	Image blurred. Flare in [illegible]
1 01 W	+21 37	0-1	3.5	K0	b;b;b	Exposure 3-9-10 min, [illegible]
0 20 W	+26 11	0-1	5.5	K4	3-3	Image blurred. Flare in [illegible]
[illegible]	+27 46	0-1	4.3	95	b;b;b	Exposure 10-7-5 min. Flare in [illegible]
1 [illegible]	[illegible] 44	0-1	7.17	91	2-2-2	Binary [illegible]
1 58 W	+43 13	0-1	6.40	A5	2-2-2	Flare [illegible]
[illegible]	[illegible] 19	0-1	6.12	[illegible]	2-2-2	
0 10 W	-05.47	0-1	[illegible]	S0	b;b;b.	Exposure 12-5-5 min. Flare [illegible]
						That is mine
						[illegible] plate is [illegible]

Date Saturday June 23-24 1945 D Julian Day 2431630

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11135	YP4159 Boss 314	13 47.4	34 56	[illegible]	[illegible]	[illegible]	29.4	8 55	9 37	[illegible]	[illegible]
11136	YP4217 Boss 323	14 13.9	35 58				28.4	9 44	10 05	[illegible]	[illegible]
11137	YP4325 Boss 346	14 30.5	37 04				28.5	10 17	11 21	[illegible]	[illegible]
11138	YP4731 Y Hyc	15 49.2	42 44				29.2	11 26	11 48	[illegible]	[illegible]
11139	YP4744 Boss 4	15 51.2	15 59				29.2	11 56	00 12	[illegible]	[illegible]
11140	YP5350 Oh Hyc	17 52.5	[illegible]				28.5	0030	0054	[illegible]	[illegible]
11141	HD 172187	[illegible]	[illegible]				29.2	0059	0145	[illegible]	[illegible]
11142	[illegible]	[illegible]	16 19				28.9	0200	0300	[illegible]	[illegible]
	Focus Test										
11143	YP5510 HG [illegible]	20 35.3	30 02				29.0	0312	0331	[illegible]	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
$1^h 38^m$ W	34 46	1+	6.8 M_2	2-2-2	flipped in $\frac{3}{4}$
$1^h 40^m$ W	35 48	1+	6.0 K_1	2-2-2	"
$2^h 38^m$ W	36 55	1	7.2 K_0	2-2-2	"
$1^h 49^m$ W	42 39	0-1	5.1 F7	3-3-3-3	flipped in ½
$2^h 08^m$ W	15 54	1	4.3 F_5	6-6-3-3	"
$0^h 50^m$ W	37 17	0-1	5.2 $A1$	3-3-3-3	flipped [illegible]
$1^h 02^m$ W	43 13	1+	6.40 A5	2-2-2	BINARY, [illegible] — proved
$1^h 34^m$ W	16 26	1	7.34 F5	2-2-2	BINARY, [illegible] clouds
				7-5	
$0^h 54^m$ W	70 17	1	4.5 cF4	6-3-3-3	flipped in [illegible]
					mirage [illegible]
					0+1 plates in dome
					Plate box in dome
					Heat off

Date Sunday June 24-25 1945 M.-S. **Julian Day** 2431631

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11144	[illegible]	[illegible]	[illegible]	E-25	E-103a-0	.008	+29.6	21.09	22 15	I	[illegible]	[illegible]
11145	[illegible]	19 14.2	+11 19	E-25	E-103a-0	.008	+27.6	01.57	03 21	II	[illegible]	[illegible]
11146	[illegible]	20 00.5	+32 41	E-25	E-103a-0	.008	+21.1	03.31	07 51	III	[illegible]	[illegible]
	[illegible]	[illegible]	Through haze									

clouds coming in from west [illegible]
[illegible] for [illegible]
declination [illegible] guessing [illegible]

From 23 30±

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
[illegible]	2 29 E	+43 13	0-1	6.40 - A5	2-2-2	Binary, 21-22 [illegible]
						guiding and [illegible]
						11.30 - 12.30 E.W.T. - [illegible]
						clouds - [illegible]
						Reopened 1.50 E.W.T. From [illegible]
[illegible]	2 06 W	+41 24	0-1	7.34 F7	2-2-2	Binary. [illegible]
[illegible]	[illegible] E	+32 54	1	[illegible]	2-2-2	[illegible]
					7-5	
						412 plates [illegible]

	MC	SC	MTW.	STW
Jun. 25	+42.0	+68.8	+25.6	+0.4
26	+04.4 reset	+68.8	+26	+0.3 (reset)

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1147	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.6	[illegible]	[illegible]	[illegible]
1148	[illegible]	[illegible]	[illegible]				25.4	[illegible]	[illegible]	[illegible]
1149	[illegible]	[illegible]	[illegible]				25.5	[illegible]	[illegible]	[illegible]
1150	[illegible]	[illegible]	[illegible]				25.4	10 56	[illegible]	[illegible]
1151	[illegible]	[illegible]	[illegible]				25.3	[illegible]	[illegible]	[illegible]
1152	[illegible]	[illegible]	[illegible]				25.2	[illegible]	[illegible]	[illegible]
1153	[illegible]	[illegible]	[illegible]				25.3	[illegible]	[illegible]	[illegible]
1154	[illegible]	[illegible]	[illegible]				25.1	[illegible]	[illegible]	[illegible]
	[illegible]									
1155	[illegible]	[illegible]	[illegible]				25.1	[illegible]	[illegible]	[illegible]
1156	[illegible]	[illegible]	[illegible]				25.3	[illegible]	[illegible]	[illegible]
1157	[illegible]	[illegible]	[illegible]				25.0	[illegible]	[illegible]	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Emulsion	REMARKS
1h 05m W	25 22	1+	5.2 F5	3-3-2	
1h 05m W	00 05	1+	7.7 M2	2-2-2	
1h 10m W	52 43	1	6.7 G9	2-2-2	
0h 29m W	37 44	1	3.6 G0	6-6-3-3	
1h 05m W	27 03	1	6.3 B11	2-2-2	
1h 22m W	24 47	1	6.4 K1	2-2-2	
1h 06m W	20 48	1-2	7.37 G5	2-2-2	
1h 30m W	42 12	1-2	6.7 F5	2-2-2	
				1-5	
0h 29m W	37 50	1-2	5.6 F5	3-2-2	
1h 45m W	47 00	2	6.2 A0	2-2-2	
1h 27m W	32 03	2	6.2 K5	2-2-2	

121

Date Thursday June 28-29, 1945 Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11158	[illegible]	[illegible]	+11 42	I-20	F-103-aO	0.08	+26.1	22 38	22 50 12	[illegible]
	[illegible]	[illegible]	[illegible]							
11159	HD 173 224	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11160	HD 173 187	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
		+11 38	0-1	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	MC	S.C.	MTW	S.W.
June 29	+03.2s	+71.3s	+38.2s	+0.4m

Date [illegible] **Julian Day** [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	HD 172157	18 32.7	+43 28	1-25"	E-103-D	[illegible]	+27.8	21 08	21 58	[illegible]
11163	YP 4834-911 HD159332	16 08.3	+05 17	[illegible]	[illegible]	.018	[illegible]	22 11	[illegible]	[illegible]
11164	YP [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.8	23 15	00 30	[illegible]

July 2 (G.C.T.) m T.W. +2.2 m T.N. +0.7 W.B.C.11.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
02 16 E	+43 13	0	A5	L.L.	2-2-2	focus at 13.30 T. [illegible] 21.67 plate [illegible]
01 12W	[illegible]	0	K0	L.L.	2-2-2	[illegible]
01 21W	[illegible]	0	[illegible]	[illegible]	2-2-2 2.2.2	[illegible] 42-35? [illegible] ½ [illegible]
						focus [illegible] 00.15 - 00.30 = [illegible]
						gone for good by 01.30
						The focus should be too short on these plates
						Computed setting for Temp. 27° = 23.38

125

Date Monday [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					July 3 Mc. +02.0s SC +75.5s MTW +05.0s S.W +15s - W.B.E.N 1.0

127

Date Tuesday July 3-4 1945 D **Julian Day** 2431646

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11165	YP4145 [illegible]	13 44.7	16 13	25"	[illegible]	[illegible]	21.9	08 54	09 42	[illegible]
11166	YP4437 [illegible]	15 31.6	39 21				21.9	09 48	[illegible]	[illegible]
11167	HD 158547	17 14.5	26 00				21.7	10 46	[illegible]	[illegible]
11168	YP5172	17 09.9	32 36				21.6	11 [illegible]	00 24	[illegible]
11169	HD 170603	18 21.4	20 46				21.5	00 35	01 31	[illegible]
11170	HD 172187	18 33.7	43 08				21.5	01 36	02 00	[illegible]
	Focus Test									
11171	YP5872 [illegible]	19 12.9	37 57				21.5	02 07	02 42	[illegible]
11172	YP 6141 [illegible]	19 55.5	17 15				21.5	02 49	03 21	[illegible]
11173	YP 6173	21 00.5	09 44				21.5	03 25	03 49	[illegible]

Holiday July 5 - July 11 - [illegible] aluminized

Left [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] good.

Little wind & cloud at about

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
1h 26m W	+16 06	3-4	6.0 M6	3-3-3-3	flipper in 2/3 up 13.30 min
1h 34m W	+39 13	2-4	7.2 M2	2-2-2	"
[illegible] W	+25 58	1-2	7.0 G9	2-2-2	[illegible]
[illegible] W	+32 35	1-2	6.0 G2	3-3-3-3	flipper in 1/2 up 14.30 min
1h 38m W	+20 50	2	7.37 G5	2-2-2	binary
1h 55m W	+43 13	1-2	[illegible] A5	2-2-2	binary fine clouds
				7-5	
1h 59m W	+38 06	1-2	5.6 G9	3-3-3-3	flipper in 1/2 up 14.22 min
—	+17 25	1-2	5.5 M4	3-3-3-3	flipper in 2/3 up 14.20 min
1h 12m W	+19 56	1-2	5.2 F1	3-3-3-3	flipper in 1/2 up 9.15 min

	MC	SC	MW	SW
July 5	+0.5s	+78.5s	+13.0s	+0.3m
July 6	+0.1s	+79.5s	+13.6s	+0.3m

12+2 plates in [illegible]

[illegible] OM

Date Tuesday July 10-11 1945 D Julian Day 2431647

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11174	HD 137182	15 19.5	+16 54	23	[illegible]	004	19.0	9 38	[illegible]	[illegible]
11175	HD 152224	16 47.0	+33 49				19.8	10 53	10 55	1
11176	HD 153809	16 56.5	+16 45				19.7	11 00	11 38	2
11177	HD 170829	18 26.4	+20 46				18.6	11 41	00 16	3
11178	HD 172187	18 33.7	+43 08				19.5	00 21	00 35	4
11179	HD 181144	19 14.2	+16 19				17.5	00 [illegible]	01 12	[illegible]
11180	HD 196133	20 23	+44 00				18.5	01 34	01 50	2
	Focus Left									
11181	YP 4359	20 35.3	+09 44				17.4	01 59	02 25	3
11182	YP 6494	20 53.5	+37 56				18.0	02 39	03 00	[illegible]
11183	HD 209313	22 01.0	+46 56				18.2	03 05	03 35	1

	MC	SC	MTW	STW
Jul. 9	−02.7 s	+84.1 s	−02.6 s	−0.1 m
Jul. 10	−04.2	+85.0	+02.4 reset	−0.1

Tripod, high, wind get steady another. Trouble with RA clamping pinion, not working for some time. Clean / operation of a hand. Bolt for [illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
01h 25m W	+10 45	0	7.19 A0	3-3-3	Vilfa
01h 03m W	−32 40	1-1	7.24 K2	3-3-3	Binary. Tried higher focusing with finder but without noticeable improvement
01h 32m W	+16 42	0	7.24 A0	3-3-3	Vilfa
00h 49m W	−20 49	1	7.37 G5	3-3-3	Binary
00h 51m W	+43 13	1	6.90 A5	3-3-3	Binary
—	+16 25	0-1	7.34 F5	3-3-3	Binary. Trouble with expanding
00h 14m W	+45 02	1	6.62 A2	3-3-3	Binary
				9-7	
—	+07 54	1	6.0 G2	4-4-4-4	Ellipse in [illegible] sep. 9.1 Trouble
00h 09m W	+22 08	1	7.11 K4	3-3-3	Ellipse in [illegible]
00h 02m W	+47 00	1-2	7.52 K0	3-3-	Binary

	MC s	SC s	MTW s	STW m
Jul. 11	−04.7	+81.1	+09.5	+0.0

Long comp. because are [illegible] a little out of adjustment

4+12 plates: [illegible]

Mount test [illegible]

Date [illegible] **Julian Day** [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
		1912 [illegible]	Sunday		Cloudy						
		1912 [illegible]	[illegible]	H-D Cloudy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 50W	+43 13	0-1	[illegible]	[illegible]	3-3-3	[illegible]
							[illegible]
							no signs of clearing
							MC / SC / MTW / STW
							Jul. 12 -04.7 +88.7 +14.0s +0.2m
							July 13 -05.6 +89.8 +19.2 +0.2
							July 16 -07.0s +95.0s -1.0s (reset) +0.3m (reset)

Date Monday, July 16-17, 1945 H-Sh **Julian Day** 2431653·5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11165	HD 172187	18 33.7	-43 07	I-25	E-103a-O	.008	+24.1	20 47	[illegible]	
11166	HD 164898	17 58.3	+45 28.1	I-25	E-103a-O	.008	+23.9	21 21	[illegible]	3
[illegible]	HD 170[illegible]	18 26.4	+20 46	I-25	[illegible]	[illegible]	+23.[illegible]	[illegible]	22 20	4
11168	HD 151464	17 40.6	+33 17	I-25	E-103a-O	.008	+23.7	23 33	[illegible]	1
	Focus bad - [illegible]									
11169	HD 181144	19 19.2	+16 19	I-25	E-103a-O	.008	+23.7	00 16	[illegible]	2
11190	196513	19 53	+42 07	"	"	"	+23.9	00 53	01 23	3
11191	198133	20 30.2	+44 56	"	"	"	+23.7	01 23	[illegible]	4
11192	YF 6252	20 12.8	+45 16	"	"	"	+23.7	02 01	02 21	1
11193	HD 209812	22 01.0	+46 15	"	"	"	+23.6	02 28	03 08	2
11194	HD 172157	18 17.7	+42 03	"	"	"	+23.6	03 26	03 50	3

Tuesday July 17-18 1945 D-Sh

Clouds at 11:00. Rain down by 20:00 but clouded in quickly, by 9 20:00 thick uniform cloud at [illegible]

Still [illegible] at 1:30 - [illegible] home (E. wind). [illegible] - decided not to open up by [illegible]

- [illegible] home

Frame out 23.45 (E.S.T.)

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 02 E	+42 13	0	6.40 A5	3-3-3	Seeing very [illegible]
[illegible] E	+45 37	0	7.42 A0	3-3-3	Seeing [illegible]
0 12 W	[illegible]	0	7.37 [illegible]	3-3-3	" . Image very [illegible]
1 41 W	+33 16	0-1	6.99 B5	3-3-3	Valued the image [illegible]
				9-7	Fair Excellent
5 41 W	+16 26	1	7.34 F5	3-3-3	
1 45 W	+42 13	1	7.20 F7	3-3-3	[illegible]
4 / [illegible]	+45 01	0	[illegible]	[illegible]	Binary
1 26 W	+45 26	1	6.3 F5	4-4	[illegible]
0 26 W	+46 59	1	[illegible]	3-3-3	Binary
4 37 W	+43 12	1-2	6.6 A5	3-3-3	Binary [illegible]
					Frame [illegible]
Wednesday July 18-19, 1945 H.Sh					
Heavy clouds all evening. Clears somewhat alt.					
midnight but completely clouded in again by 0100 EST.					
Still hopeless at 0300 EST - Fin.					3 + 2

Date Thursday July 19-20 1945 H-Sh **Julian Day** 2431656.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	PLAT	Hour Angle End	De
11195	HD 170829	18 28.4	+20 41	I-25	F-1030-0	.008	+25.0	20 41	21.52	II		
11196	HD 172187	18 35.0	+42 11	I-25	F-1030-0	.008	+24.9	22 03	22.23	I		
11197	HD 181141	19 14.2	+11 24	I-25	F-1030-0	.008	+24.8	22.34	23.14	II		
11198	HD 175055	18 48.5	+45 00	I-25	F-1030-0	.008	+24.8	23.27	23 55	II		
11199	HD 213389	22 25.9	+48 51	I-25	F-1030-0	.008	+24.7	00.12	00 38	II		
	Focus Test includes through focus											
[illegible]	HD 214141	22 36.7	[illegible]				+24.8	[illegible]	[illegible]			
[illegible]	YB 4142	[illegible]	+20 [illegible]				+24.9	[illegible]	[illegible]			

Friday July 20-21 1945 H-Sh.

Clouds all evening Outlook still hopeless at Midnight EST.

	MC	SC	MW	SW
July 17	-07.5^s	$+96.9^s$	$+02.3^s$	$+0.4^m$
19	-08.3	$+99.9^s$	$+09.7^s$	$+0.5^m$

Hour Angle End	Declination	Seeing	Ptg. Mag.		COMPARISON	Focus 23.44 REMARKS
1 07 E	+20 49	0-1	7.37	G5	3-3-3	Haze. Binary
0 40 E	+43 12	0-1	6.40	A5	3-3-3	Seeing variable. Binary
0 33 E	+16 24	1.	7.34	F5	3.3-3	Binary. Haze.
0 28W	+45 04	1-2	7.20	B9	3.3.3	Seeing variable. Velocity
2 13 E	+49 06.	2-3	7.52	K0	3-3-3	Binary. Seeing variable.
					9.7	
1 17 E	+19 15	2-3	7.12	A	3-3-3	[illegible]
0 40W	+21 55	2-3.	6.7	K5	3.3-3	[illegible]
						Heat on Mirror
						2 + 8 plates in dark.
						MC SC MW SW
						July 20 -09.0^s $+101.5^s$ $+12.5^s$ $+0.5^m$
						Saturday – heavy thunderstorm [illegible]
						cloudy through night

137

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible] 28.4	+ 20 47	[illegible] -25	[illegible] -1030-0	[illegible]			

Thunder Showers in early evening. Cloudy with showers until 21:00. Fairly clear but hazy by midnight. Clear except to S by 00:45, cloud began to open up.

Watch stopped (approximately from standard clock) MTW -1:6 m SW +0:1 m

Evening Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Focus Set 23 44 (Tabular + .05). REMARKS Replaced evening shutter time.
				95 - 7.37.	Increasing haze and light clouds. By 01:15 (Watch E 00:01 or 11:70 P.M.) (setting thus checked) star was not visible in finder. At edge of minor clouds to S.W. (01:25), closed up immediately. At 01:55 slight glow first sign of scattering; by 02:05 all stars and most of minor clouds gone from E - most of ground mostly sky still completely covered at 03:00
					Night on Pluto 2+5 plates in time.
					Exposures plate box are done.
					ME SE MW SW
					July 23 -11.5 +106.8 -01.2 +0.3
					reset reset

139

Date Monday July 23-24 Mr. Ch. **Julian Day** 2431[illegible]0.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11[illegible]07	HD 170827	18 25.3	+ 20 46	I-25	E-1030-0	.008	+27.8	23 [illegible]	22 4[illegible]	
	Focus Test	Out in	Hand hole							
11203	HD 196132	20 30.3	+ 4 50	I-25	E-1030-0	.008	+27.6	23 01	23 51	
11204	YP 6858 2 Plates	21 56.2	+ 12 38	I-25	E-1030-0	.008	+27.6	00.07	00.59	
11205	YP 6850, 6[illegible] 2 Plates	21 18[illegible]	+ 4 13	I-25	E-1030-0	.008	+27.0	01 07	01 [illegible]	
11206	YP 6724 4 Plates	21 [illegible]	+ 07 19	I-25	E-1030-0	.008	+27.0	01.53	02.33	
11207	YP 6682 2 Plates	21 25.4	+ 23 12	I-25	E-1030-0	.008	+27.0	02 45	03 21	
11208	YP 6[illegible] 5 Plates	22 02.7	+ 19 57	I-25	E-1030-0	.008	+27.9	03.35	04 [illegible]	

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS.
0 03 W	+ 20 49	0+	7.37	G5	3-3-3	
					9-7	
0 52 E	+ 45 00	0	6.12	A2	3-3-?	
01 10 E	+ 12 54	1+	6.0	F2	3-3-3 3-3-3	
01 11 W	+ 14 24	1+	6.1	F2	3-3-3	Nothing on 1120546 – plates discarded but
01 47 W	+ 05 34	+2	6.1	F0	3-3-3 3-3-3	numbers retained.
01 43	+ 23 24	2+	6.0	K5	4-4-4	
	+ 19 14	2	6.1	F0	4-4-4	

141

Date Tuesday July 24-25 1945 D Julian Day 2431661

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Remarks
11209	YT4935	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
11210	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	Fresnel									
[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	plate not kept
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
					[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

	MC	MN	SC	SN
Sw 25	-10.4^s	$+4.2^s$	$+112.2^s$	$+0.4^m$

143

Date Wednesday July 25-26, 1945 5h **Julian Day** 2431662.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	?
11215	HD 170829	18 21.4	+20 47	I-25	F-1030-0	Slit .008				
11215	HD 170829	18 21.4	+20 47	I-25	F-1030-0	.008	+27.1	00.17	[illegible]	IV
	Focus Test	Outside	[illegible]							

50% clouded during each evening, getting worse toward 20 00
Strong NE wind Clear Sky, 21.00 Cln. Open up 22.05 despite light clouds.

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				G5 7.37	Focus Set 23.31
					Set on binary by 22.30 Clouding up rapidly towards - not with stars exposure.
					Close up temporarily. Only isolated patches of clear sky by 23.15. Somewhat
					clearer by 0.00 Heat lightning.
					COMP Opened up 00.05. Focus Final 23.35
01 48 W	+20 48	0	G5 7.37	3.3.3.	Light Cloud 00.20 Seeing Binary very bad. Vanishing [illegible]
				7-5	Switch [illegible] - [illegible] attention. [illegible]
					More cloud [illegible]. No light [illegible] 01.30 - [illegible]
					[illegible] light clouds [illegible] sky. [illegible]
					up. Plate will be [illegible] exposed
					Heat on Mirror
					4+3 + plate on home
				July 26	Refocused [illegible] on [illegible] light.

145

Date Thursday, July 26-27, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
~~1216~~	HD 152224	16 47.0	+32 44	I-25	E-103a-0	set 008	26.5		

Clear most of day; thin clouds in evening
Seeing at least.

Focus at 2239

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
				7.26 KO		Clouded up at 20^20. Kept on the sky
brought down stars. At 20^40 cleared
up again. Closed at 22^50.
Left W.L. 0^h EST.
						MC SC MW SW
July 27 -13^s.7 +115^s.8 +9^s.8 +0^m.4

Date Friday July 27 1928/45 No **Julian Day** 2431664.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11216	HD 170827	18 26.4	+20 46	1-25°	E-123a-O	.008	+25.0°C	20 27	22 05	1		
	Sirius test				7s.6s							

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
					Stars at 23.43
1 19 E	+20 47	0	7.37 G5	3-3-3	Sunny - [illegible] haze! - clouds [illegible] [illegible] ; muchy clouds [illegible] clouds up temporarily 22.10(?), clouds - clouds - [illegible] until dawn (oh yes! ~~min~~ about 3 A.M)
					Saturday - cloudy w/ light & wind

Date Sunday July 21-22, 1945 5h Julian Day 2431116.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11217	HD 170829	18 26.4	+ 20 46	I-25	E-103a-0	Slit .008	+26.9	20 33	22.13	II
11218	HD 170710	18 25.8	+ 46 23	I-25	E-103a-0	.008	+26.9	22 25	23.09	II
	Focus Test. Outside through box									
11219	HD 172127	18 33.7	+ 43 08	I-25	E-103a-0	.008	+26.8	23.21	23.39	II
11220	HD 161144	19 14.2	+ 16 19	I-25	E-103a-0	.008	+26.7	23.47	00.27	I
11221	HD 179355	19 07.3	+ 41 50	I-25	E-103a-0	.008	+26.6	00.35	01.01	II
11222	HD 213369	22 25.9	+ 45 51	I-25	E-103a-0	.008	+26.5	01.13	01.49	II
11223	HD 209313	22 01.0	+ 46 45	I-25	E-103a-0	.008	+26.4	02.01	02.31	II
11224	HD 214946	22 36.7	+ 44 29	I-25	E-103a-0	.008	+26.5	02.38	02.58	II
11225	YZ 7215.3 And	23 59.7	+ 49 30	I-25	E-103a-0	.008	+26.4	03.06	03.21	II
11226	YZ 7220.51 Cep	23 02.2	+ 74 51	I-25	E-103a-0	.008	+26.4	03.33	03.54	II
~~11227~~	YZ 6872.1 Cep	22 00.6	+ 64 34	I-25	E-103a-0	.008				II
11227	YZ 51 Phoenix	00 15.9	+ 37.29	I-25	E-103a-0	.008	+26.4	04.01	04.15	II

Hour Angle End	Declination	Seeing	Ptg. Mag.		100 Mm	REMARKS
00 03 E	+20 49	0	7.37	G5	3-3-3	BINARY [illegible] Light haze [illegible] fair
00 54 W	+46 24	0-1	7.46	F0	3 3-3	Velocity * Seeing variable [illegible] fair
					7-5"	
01 16 W	+43 13	1	6.40	A5	3-3-3	BINARY Seeing very variable 0 – 2" [illegible] fair
01 21 W	+16 25	1	7.34	F5	3-3-3	Binary. [illegible] 4 mm.
02 04 W	+41 57	1-2	7.11	B9	3-3-3	Wind * Seeing variable weak
00 37 E	+49 04	1-2	7.52	K0	3-3-3	Binary. [illegible] good
00 42 W	+44 41	2	7.52	A0	3-3-3	Binary. [illegible] fair
00 37 W	+44 44	2-3	7.26	A2	3-3-3	Binary. Seeing variable good
00 37 W	+49 46	2-3	5.9	K0	4-4-4-4	Flamsteed [illegible] Separation 13-6 mm. [illegible] fair
01 02 W	+25 12	2-3	[illegible]	[illegible]	4-4-4-4	[illegible] Separation 14.5 mm. [illegible] good
						Moonlight [illegible]
00 14 W	+37 42	2-3	5.6	F5	4-4-4-4	Separation 8-4 mm. [illegible] Latency. fair
						[illegible]

	M.C.	S.C.	M.T.W.	S.T.W.
Jul. 30	-16.0	+124.1	+20.0	+0.6

Date [illegible] **Julian Day** 2431667.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Tuesday – Wednesday –

Damaged dome trolleys and wires repaired by H. No.

In an experiment I cut down [illegible] to (1) on [illegible] using less two trolleys clear of wires, then neutralizing after

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	[illegible]	+20 49	1	[illegible]	3-3-3	
	[illegible]	[illegible]	[illegible]	[illegible]	3-6-3	
						[illegible]
						[illegible]
						[illegible]
						[illegible]
						[illegible]
						[illegible]
						[illegible]
						July 31 MC -16.9 SC +123.2 MN +23.1 [illegible] +0.7
						[illegible]
						Tuesday July 31 - Aug 1
						Thunderstorm 8 pm EST
						Clear Fog 11
						Clouded [illegible] partly [illegible] 12
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

Date Wednesday, August 1-2, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
[illegible]	HD 170829	[illegible]	+20 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21 02	22 32	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]								
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ground fog [illegible]

Ending Time EST	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	7 37 [illegible]	3-3-3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
					[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] *
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ground fog [illegible]

* [illegible]

[illegible]

	MC	SC	MW	SW
Aug 2	-17.3^{s}	$+122.9^{s}$	$+32.0^{s}$	$+0.7^{m}$

Date Thursday August 2-3, 1945 5h **Julian Day** 2431670.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End
11237	HD 170829	18 21.4	+20 46	I-25	E-1030-0	Set .008	+28.7	20 26	22 16	II	
11238	HD 172187	18 33.7	+43 08	I-25	E-1030-0	.008	+28.5	22 21	22 39	III	
11239	HD 172068 n.p	18 33.0	+41 12	I-25	E-1030-0	.008	+28.4	22 44	23 28	IV	
11240	HD 181144	19 14.2	+16 19	I-25	E-1030-0	.008	+28.3	23 33	00 23	I	
	Focus Test - Outside Through Focus										
11241	YP 6067 α Aquila	19 46.2	+10 10	I-25	E-1030-0	.008	+28.1	00 31	00 57	II	
11242	HD 196122	20 30.3	+44 50	I-25	E-1030-0	.008	+28.0	01 04	01 24	III	
11243	YP 6555, 61 Cygni	21 02.4	+38 15	I-25	E-1030-0	.008	+27.9	01 30	02 36	IV	
11244	YP 48 χ Peg	00 09.4	+19 39	I-25	E-1030-0	.008	+28.0	02 44	03 26	I	
11245	YP 117 BS 107	00 23.2	+09 39	I-25	E-1030-0	.008	+28.0	03 33	04 11	II	
11246	YP 165 δ And	00 34.0	+30 49	I-25	E-1030-0	.008	+28.0	04 15	04 29	I	

Four Set 23.37 ± 00.01

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		COMP	REMARKS
	00 16 W	+ 20 48	0	7.37	G5	3-3-3	BINARY. Seeing very poor. Light haze. Lightning on E Horizon. Cleared up 21.30. Seeing improved to 50%
	00 32 W	+ 43 13	0-1	6.40	A5	3-3-3	BINARY
	01 21 W	+ 41 16	0-1	6.86	A0	3-3-3	Velocity * Double Star. Magnitude of each component 7.4. Set on component. Seeing variable. Good enough. Cleared 21.11 - stars found
	01 34 W	+ 16 23	0-1	7.34	F5	3-3-3	Binary. Stars missed. Seeing variable. Image very poor. Found at 20 m. Note Allan
						$8^s - 7^s$	
	01 37 W	+ 10 17	0-1	5.8	G0	4-4-4-4	Flipper on ½ time Exposure 10-15 min.
	01 21 W	+ 45 01	1	6.62	A2	3-3-3	Binary
	02 00 W	+ 38 30	0-1	7.5	K5	3-3-3	Fainter component of double star. Flipper on ½ time. Slight on spectrograph?
	00 17 E	+ 19 54	0-1	6.2	M0	4-4-4-4	Flipper on ½ time Exposure 26-16 min.
	00 15 W	+ 09 54	0-1	6.3	F2	4-4-4-4	Flipper on ½ time Exposure 24-14 min
	00 21 W	+ 30 36	0-1	4.6	K2	4-4-4-4-4	Flipper on ⅔ time Exposure 6-4½-3 min. Slight on spectrograph?
							11240 was mislabelled 11241 by mistake
		Heat not on Mirror					Accordingly 11241 was repeated as 11241X.
		244 plates in dark					* Dome moves very sluggishly.
							Light illuminating settings on screen [illegible]
							Use flashlight. Had difficulty [illegible] 11241 [illegible]

Date Friday Aug. 3-4/45 **No** **Julian Day** 2431671.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H
11247	H.D. 170827	18 26.4	+20 46	1-25"	E-103-0	.008	+22.9°C	20 21	21 43	--
11248	172187	18 33.7	+43 08	"	"	"	22.8	22 08	22 [illegible]	1
11249	164878	17 58.3	+45 01	"	"	"	22.8	22 34	23 54	[illegible]
11250	196133	20 30.3	+44 50	"	"	"	22.6	00 00	00 26	3
11251	YP 6416	20 43.2	+34 00	"	"	"	22.8	00 27	00 57	4
	Guide Star - [illegible] time base:			$7^s - 6^s$						
11252	YP 6165	21 21.7	+46 17	"	"	"	22.6	01 05	01 37	1
11253	YP 6918	22 07.4	+57 42	"	"	"	22.6	01 44	02 14	2
11254	YP 6926	22 08.4	+69 38	"	"	"	22.8	02 18	02 55	3
11255	H.D. 214946	22 36.7	+44 27	"	"	"	22.7	03 03	04 23	[illegible]
11256	YP 167	0 33.3	+28 46	"	"	"	22.7	04 07	04 35	1

Aug 3. JC +134s.9 MC −18s.9 MW +36s.6 SW +0m.2

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
						Sun at 23.4 ±	
	1 15E	+20 49	C-1	7.37	G5	3-3-3	Binary telescope very hard to focus [illegible]
	0 27W	+43 13	1+	6.26	A8	3-3-3	" [illegible]
	2 27W	+45 22	0-1	7.44	A0	3-3-3	" [illegible] 5B Lyrae (+0 5?) [illegible]
26 3	0 27W	+45 00	0-1	6.62	A2	3-3-3	[illegible] meridian [illegible]
20 59	0 47W	+34 12	0-1	6.2	K0	3-2-3	flipper 2/3 in [illegible]
							[illegible]
	2 15E	+46 30	0-1	5.8	F0	4-4;4-4	flipper in 1/2; [illegible] 12.2 min.
	0 38W	+57 56	0-1	4.6	K0	4-4;4-4	flipper in 2/3; [illegible] 8, 10, 12 min. strong, very strong
	1 22W	+69 51	0	5.8	F2	4-4;4-4	flipper in 1/2; [illegible] 16, 34 min. [illegible] strong, strong
	1 53W	+44 45	0	7.26	A2	3-3-3	Binary [illegible]
	0 25W	+21 03	0	5.3	G0	4-4	flipper in 1/2
							3+4 [illegible]

159

Date Sept Aug 4-5 1925 D Julian Day 2421672.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
11257	HP 162117	16 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22 0	20 25	[illegible]		
11258	[illegible]	[illegible]	32 47				21 5	21 [illegible]	[illegible]		
11259	HD [illegible]	17 [illegible]	[illegible]				21 7	21 35	22 06		
11260	HD 170847	18 24	[illegible] 46				21 5	22 10	22 [illegible]		
11261	HD 172187	18 31	[illegible]				21 6	22 54	[illegible]		
11262	HD [illegible]	19 [illegible] 2	[illegible] 16				21 5	23 12	23 44		
11263	[illegible]	20 152	[illegible] 13				21 4	23 47	[illegible]		
11264	[illegible]	[illegible]	[illegible] 15				21 4	00 22	[illegible]		
11265	HD [illegible]	20 362	[illegible] 86				21 9	[illegible]	[illegible]		
	~~[illegible]~~										
11266	HP 6561	[illegible]	[illegible]				21 4	01 03	[illegible]		
11267	HD 209913	[illegible]	[illegible] 45				21 6	01 26	[illegible]		
11268	HD 213119	22 [illegible]	[illegible] 21				21 6	02 07	[illegible]		
11269	HD 214946	21 36.7	+44 20				21 6	02 41	[illegible]		
11270	HP 717 [illegible]	[illegible]	+11 40				21 4	[illegible] 07	03 18		
11271	HP [illegible]	[illegible]	[illegible] 18				21 2	03 21	03 47		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	[illegible]	[illegible]	1+	7.09 F5	3-3-3	[illegible]
	[illegible]	[illegible]	1-2	6.83 W	3-3-3	[illegible]
	43	[illegible] 23	1-2	7.44 A5	3-3-3	Binary (Blue-Yellow)
	[illegible] W	+20 49	1+	7.37 [illegible]	3-3-3	"
	28 W	+43 13	1-2	6.26 [illegible]	3-3-3	"
	1h 04m W	+16 26	2-	7.94 F5	3-3-3	"
	1h 31m W	[illegible] 25	1-2	6.6 F5	3-3-3	[illegible]
	1h 36m W	[illegible] 26	1-2	4.1 F5	4-4-4-4	"
	1h 00m W	[illegible] 00	1+	6.62 A2	3-3-3	Binary
					4-4	
	1h 55m W	+47 27	1-2	6.1 K5	3-3-3	[illegible]
	1h 52m W	+47 01	2+	6.5 K0	2-3-3	Binary
	1h 46m W	+47 05	2+	[illegible]	3-3-3	"
	1h 07m W	+44 44	2+	7.44 A2	3-3-3	"
	1h 11m W	+11 56	2	4.7 F5	4-4-4-4	[illegible]
	1h 20m W	+9 34	2	5.7 F5	4-4-4-4	[illegible]

Date ..... Julian Day 24[illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	+0244				21 [illegible]	[illegible]	[illegible]
11273	[illegible]	[illegible]	+0205				213	[illegible]	[illegible]
			Sun Aug 5-6 1945 Sh.						
			Sky completely overcast.						
			Mon Aug 6-7 1945 Sh						
			Sky completely overcast [illegible]						
			clearing by [illegible]						
			Tues Aug 7-8 Sh						
			Broken clouds, murky.						
			wind shifting from N.W.						

How Angle Dist	D
0 25W	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	[illegible]	REMARKS
[illegible]	0 28W	+03 10	1-2	[illegible]	[illegible]	[illegible]
[illegible]	1 26W	+25 [illegible]	1	[illegible]	[illegible]	[illegible]

[illegible]

	MC	SC	MTW	SW
August 7.	-20.4^s	$+149.2^s$	$+54.0^s$	$+1.1^m$

	MTW	STW	
Aug 7	-04.8	$+\overline{0.1}^m$	R[illegible]

Date Tuesday August 7 1945 D Julian Day 2431679.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11271	HD 269213					Det 1.5"	19.8	01 14			

Wednesday Aug. 8/45
Light in plate folder compartment of spectrograph
replaced by Y and No

Dual, [illegible] [illegible] - 01° EST
HB — Light in platelets, [illegible] of [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	[illegible]	REMARKS
		+47 00	1 1	752 Ko	3-	[illegible]	[illegible]
							Clouds [illegible]
							after [illegible] - [illegible]
							[illegible] - clouds [illegible]
							with [illegible] [illegible] at 0130
							Trails in [illegible] [illegible]
							++ 19 [illegible] [illegible]
							Thirty [illegible]

Date Wednesday August 8.9.1945 5h **Julian Day** 2431676.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11274	HD 148551	16 23.8	+45 11	I-25	E-1030-0	Set .008	+24.4	20.15	21.17	I
11275	HD 161464	17 40.6	+33 17	I-25	E-1030-0	.008	+24.3	21.23	21.47	II
11276	HD 170829	18 26.4	+20 46	I-25	E-1030-0	.008	+24.3	21.52	22.38	III
11277	HD 170562	18 25.0	+17 55	I-25	E-1030-0	.008	+24.3	22.42	22.56	IV
11278	HD 170542	18 24.9	+13 47	I-25	E-1030-0	.008	+24.3	23.00	23.28	I
	Focus Test - Outside through bore									
	HD 181144	19 14.2	+16 19	I-25	E-1030-0	.008				II
11279	HD 196133	20 30.3	+44 50	I-25	E-1030-0	Set .008	+23.7	01.01	01.19	II
	HD 209813	22 01.0	+46 56	I-25	E-1030-0	.008				III

Scattered clouds at sunset.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp	23·43 E 0·02 REMARKS
	01 44 W	+ 45 06	0+	7.27	A0	3-3-3	Velocity ✱. Light haze ~~[illegible]~~; transparency very poor. Sky very hazy clouded by 21·00 transparency [illegible], seeing improving.
	00 55 W	+ 33 17	1-2	6·99	B8	3-3-3	Velocity ✱
	01 01 W	+ 20 49	1-2	7.37	G5	3-3-3	BINARY. Clouds to N.
	01 20 W	+ 17 59	1-2	6.51	B9	3-3-3	Velocity ✱
	01 53 W	+ 13 50	1-2	7.23	F2	3-3-3	Velocity ✱. Increasing scattered clouds, [illegible] clouds moving from
						7.5 sec	overhead.
				7.34	F5		Closing in rapidly, while setting on star. Not until starting
							exposure. Close up "too porous" at 23·40 E.S.T.
							Cloud clear somewhat after 00·30, [illegible] 00·50 [illegible]
	01 39 W	+ 45 01	1-2	6.62	A2	3-3-3	Binary.
				7.52	K0		Binary. More clouds scattered over sky with some clear patches.
							No prospect of any real improvement. Close up finally 21·40 E.S.T.

✱ Nt.:- Last plate will probably be useless - Found when closing up that focus test diaphragm had not been returned to its normal position.

Hat NeT or Mirror.

A 8 + 6 plate in dome.

	MC	SE	MW	SW
Aug 9	−23°.5	+154°	+03°.5	+0.m3
Aug 10	−20°.3	+158°	+07°.2	+0.m3

Date Friday August 10-11/45 **No.** **Julian Day** 2431678.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End	D
11280	H.D. 170829	18 26.4	+20 46	1-25"	E-103a-O	.008	+27.6°C	20 10	21 [illegible]	1		
11281	H.D. 166621	18 06.4	+18 28	"	"	"	+27.4	21 10	21 46	2		
11282	167135	18 08.8	+11 51	"	"	"	+27.3	21 50	22 14	3		
11283	168131	18 13.2	+11 51	"	"	"	+27.4	22 16	22 38	4		
11284	168498	18 ~~13~~ 14.9	+11 50	"	"	"	+27.3	22 40	23 26	1		
11285	151144	17 14.2	+16 19	"	"	"	+27.4	23 31	00 09	2		
11286	190133	20 [illegible]	+44 50	"	"	"	+27.5	00 14	00 28	3		
	Focus [illegible] Time [illegible]					7s	-6s					
11287	Y.P. 6145	20 47.2	+27 53	"	"	"	+27.4	00 36	01 06	4		
11288	H.D. 209813	22 01.0	+46 45	"	"	"	+27.5	01 12	01 50	1		
11289	213389	22 25.7	+48 51	"	"	"	+27.5	01 54	02 26	2		
11290	214946	22 36.7	+41 29	"	"	"	+27.3	02 30	02 54	3		
11291	T.P. 98	0[illegible]	+19 37	"	"	"	+27.3	02 59	03 31	4		
11292	Y.P. 167	0[illegible]	+20 53	"	"	"	+27.3	03 35	03 51	1		
11293	H.D. 3264	0[illegible]	+41 [illegible]	"	"	"	+27.3	03 57	04 [illegible]	2		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
							Focus at 23.37±
	0 23E	+20 49	1-2	7.37	G5	3-3-3	Binary [illegible]
	0 37W	+18 33	1-2	7.26	A2	3-3-3	" [illegible] *
	0 03W	+11 55	2-1	6.76	A0	3-3-3	" * (brighter mf.)
	1 22W	+11 55	2	6.97	B8	3-3-3	" *
	2 03W	+11 55	1-2	7.34	A0	3-3-3	" *
	1 53W	+16 25	2	7.34	F5	3-3-3	Binary
	0 50W	+45 02	2-3	6.62	A2	3-3-3	"
	1 11W	+28 05	2	5.7 & 8	F8p	3-3-3 3-3-3	[illegible]
	2 41W	+47 02	2-3	7.55	[illegible]	3-3-3	Binary
	0 58W	+43 07	2-3	7.52	K0	3-3-3	"
	1 16W	+44 45	3	7.26	A2	3-3-3	"
	0 20W	+19 55	2-3	6.2	M2	4-4;4-4	[illegible] 2/3 [illegible]
	0 15W	+21 10	2-3	6.6	K0	3-3-3	" " 2/3 (brighter mf.*)
	0 51W	+[illegible] 17	3	7.42	B[illegible]	3-3-3	Binary
							[illegible]

Date Saturday Aug 11-12 1945 No - D Julian Day 2431679.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11294	HD 170829	18 26.4	+20 47	25"	E 103a	set .60	23.5	20 28	22 28	3		
	Focus Test											
~~[illegible]~~	[illegible]	18 48.9	+41 16				28.2	22 36	23 14	4		

Sunday Aug 12-13/45 No

Scattered clouds at sunset continuing till 10 P.M. (D.S.T.) - somewhat clearer 10:00 - 10:20 - filled in completely 10:30 Light showers 11:30 (D.ST) - sky much improved 01:00 at which time dome was dripping badly - filled in again 2 A.M.

Monday Aug 13-14 1945 Sh.

Cloudy all day; scattered clouds and thick haze during early part of evening. Sky cleared after 22:30 Opened up 23:10 and set on HD 196133 - image hard visible in finder. Closed up again 23:40. Situation unchanged at 00:10 Hit [illegible] Mirror Plate Box on Dome

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	Focus Set 23.37 REMARKS
1h 07m W	+20 47	0-1	[illegible]	3-3-3	Binary Hazy
				9-7	
1h 37m W	[illegible]	1-2	[illegible]	3-[illegible]	[illegible] Very hazy
					* [illegible]
					3+16 plates [illegible]
					[illegible]

	m.c.	s.c.	m.t.w.	s.t.w.
Aug. 13	-26.7 s	-14.4 s	+13.5 s	+0.4 m
Aug 14	-26.8 s	-19.1 s	+15.5 s	+0.4 m

Tuesday Aug 14-15 D

Cloudy during day with heavy rain in late afternoon. Intermittently clear with SW-W wind during early evening followed by heavy cloud

Surrender of Japan announced at 7 PM EDT. Tomorrow is V-J day.

171

Date Wednesday August 15-16 1945 5h **Julian Day** 2431683.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11295	HD 149532	16 25.7	+15 19	I-25	E-103a-0	Set .009	+21.6	20.01	21 27	I		
11296	HD 158606	17 26.2	+17 36	I-25	E-103a-0	.006	+21.4	21.31	21 17	I		
11297	HD 170829	18 26.4	+20 46	I-25	E-103a-0	.008	+21.2	22.22	23 21	II		
11298	YP 6046 17 Lyra	19 42.6	+22 30	I-25	E-103a-0	.008	+21.0	23 [illegible]	23.51	IV		
11299	YP 6154 16 Vulp	19 57.5	+24 39	I-25	E-103a-0	[illegible]	+21.0	00.05	00.25	I		
11300	YP 1712 19 Peg	21 45.4	+16 48	I-25	E-103a-0	.008	+21.0	00.32	00.51	I		
11301	HD 209213	21 01.0	+46 45	I-25	E-103a-0	.008	+21.0	01.03	01 [illegible]	I		
	Focus Test	Date	Hour	Angle								
11302	HD 214946	22 [illegible]	+45 29	I-25	E-103a-0	.009	+21.1	02 17	02.[illegible]	I		
11303	HD 3264	00 30.7	+46 00	I-25	E-103a-0	.008	+21.1	03.20	03 14	I		
11304	YP 497 Boo 172	01 35.7	+42 07	I-25	E-103a-0	.008	+21.1	04.19	04 41	I		

Hour Angle End	Declination	Seeing	Ptg. Mag.		Camera	REMARKS	
02 15W	+15 16	0⁻ → 0⁺	7.57	A3	3-3-3	Variable Star.	weak
02 08W	+17 36	0⁻	7.28	F5	3-3-3	Variable Star	l. weak
02 23W	+20 43	0	7.37	G5	3-3-3	BINARY	
01 24W	+33 36	0	5.4	F5	4-4-4-4	Exposure 12.8 mm. Flaps in ½ time.	good; l. weak
01 45W	+24 48	0-1	5.1	F0	4-4-4-4	Exposure 12-5 mm. Flaps in ½ time.	weak
00 28W	+17 04	0⁻	5.1	F2	4-4-4-4	Exposure 13-4 mm. Flaps in ½ time.	weak; weak
01 11W	+46 51	0 → 0⁻	7.52	K0	3-3-3	Binary	weak
					7.5 Sec	No focus test?	
01 56W	+44 46	0⁻	7.52	K0	3-3-3	Binary	l. weak
01 02W	+48 17	0⁻	7.42	B2	3-3-3	Binary	weak
00 23W	+42 22	0 → 1	5.7	F8	4-4-4-4	Exposure 11-8 mm. Flaps in ½ time.	fair l. weak
						Aug. 16 — M.C. -28.8; S.C. -12.8; M.T.W. +24.2 s; S.T.W. +0.5 m	
						4 + 0 plates in dome. Hist. not on Plates.	
	Catch Securing Cover for plates came loose while spotting for different plates and plates came loose - plates rejected.					Focal Plate Holder [illegible]	
						Dome [illegible] shutter [illegible]	

173

Date 945 August 16-17, Thursday N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11305	HD 170829	18 26.4	+20 46	1-25	E103aO	.008	+21.9	21 49	22 17	1		
11306	181144	19 14.2	+16 19	"	"	"	+21.9	22 54	23 44	2		
11307	196133	20 30.3	+44 50	"	"	"	+21.9	23 49	00 11	3		
11308	213389	22 25.9	+48 51	"	"	"	+21.8	00 18	01 08	4		
11309	YP 7425; v Cand	23 41.1	+45 52	"	"	"	+21.8	01 13	01 49	1		E
11310	HD 5638	00 53.0	+46 31	"	"	"	+21.8	01 54	02 16	2		E
11311	2264	00 30.7	+48 00	"	"	"	+21.9	02 21	02 [illegible]	3		E
	focus test											

Considerable cirrus cloud at moment.
Opened up at 20 00 but delayed evening because of
clouds. Finally closing at 21 45
Focus 23.47 ±

Ending Time R.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	1 44 W	+20 43	1	7.37 G5	3-3-3	binary	seeing variable — fair
	1 51 W	+16 23	0-1	7.34 F5	3-3-3	binary	fair
	1 02 W	+35 01	1	6.62 A2	3-3-3	binary	l. strong
	0 04 W	+49 06	1	7.52 K0	3-3-3	binary	fair
	0 31 E	+46 09	1	6.1 cG5	3-3-3; 3-3-3		Exposures 14m, 22m — v. strong; ½ too strong
	1 16 E	+46 46	1	6.56 B2	3-3-3	binary	strong
	0 12 E	+48 17	1	7.23 B2	3-3-3	binary	setting 2 — l. strong
					7-7		setting 3 — focus v. slightly to violet
							(after setting on HD 213389 the dome was not moved until closing up!)
							3 bottom bands, + 4 [illegible]
					Aug 17	NC −28s.8	SC −9s.4 NW +32s.2 SW +0m.7

175

Date 1945 August 17-18, Friday No. Julian Day 2431685.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End	D
11312	H.D. 209813	22 01.0	+46 45	1-25"	E-103-O	.008	+22.4°C	01 17	01 45	1		
	Jones Test - outside three bands 7s-6s											

Scattered clouds during afternoon; [illegible] at sunset; broken mostly cloudy 10-[illegible] [illegible] sky improving considerably [illegible] - decided to open up:

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
						Focus unchanged (23.47±)
1 10W	+47 00	1-2	7.52	Ko	3-6	Binary haze; filling in again 02.4 (0.5±)
						star gone [illegible], still
						cloudy 03.35 - clouds up!
						2+6 plates in dome.

Date 1946 Aug 18-19 Saturday D **Julian Day** [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11313	HD 153001	16 55.4	+17 57	"	"	[illegible]	25.5	20 52	21 [illegible]	[illegible]	[illegible]
11314	HD 164615	[illegible]	+11 17	"	"		25.6	21 00	21 26	[illegible]	[illegible]
11315	HD 180144	19 [illegible]	+16 19				25.5	21 41	22 21	[illegible]	[illegible]
11316	[illegible]	19 [illegible]	+17 [illegible]				25.2	21 23	22 43	[illegible]	[illegible]
11317	YP [illegible]	19 [illegible]	[illegible]				25.5	22 47	[illegible]	[illegible]	[illegible]
11318	YP [illegible]	19 [illegible]	[illegible]				25.6	23 31	[illegible]	[illegible]	[illegible]
11319	HD [illegible]	[illegible]	[illegible]				26.3	23 [illegible]	[illegible]	[illegible]	[illegible]
	[illegible]										
11320	[illegible]	[illegible]	[illegible]				25.9	00 16	[illegible]	[illegible]	[illegible]
11321	[illegible]	[illegible]	[illegible]				25.3	01 01	[illegible]	[illegible]	[illegible]
11322	HD [illegible]	[illegible]	[illegible]				25.4	01 36	[illegible]	[illegible]	[illegible]
11323	HD 212946	22 36.7	+44 29				25.5	02 06	[illegible]	[illegible]	[illegible]
11324	YP 214	00 44.8	+11 26				25.3	02 37	03 03	[illegible]	[illegible]
11325	YP 227	00 43.7	+16 24				25.4	03 07	03 23	[illegible]	[illegible]
11326	HD 3264	00 30.7	+45 00				25.4	03 28	03 52	[illegible]	[illegible]
11327	HD 5638	00 53.6	+46 31				25.4	03 [illegible]	[illegible]	[illegible]	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
					Focus set 23 41
1h 38m W	+17 50	0	[illegible]	3-3-3	Field of finder
1h 39m W	+16 20	1	[illegible]	3-3-3	
1h 36m W	+16 25	1	[illegible]	3-3-3	
0h 36m W	+17 24	1+	[illegible]	[illegible]	
1h 24m W	+19 37	1+	[illegible]	[illegible]	
1h 18m W	+15 26	2	[illegible]	[illegible]	
1h 11m W	+19 01	2+	[illegible]	3-3-3	
0h 49m W	+19 26	2-	[illegible]	3-3-1	
0h 37m W	+19 00	2	[illegible]	3-3-3	
1h 00m W	+19 07	2-3	[illegible]	3-3-3	
1h 04m W	+19 45	2	7.26 A_2	3-3-3	
0h 08m E	+11 48	1-2	[illegible]	3-3-3	
0h 09m W	+16 41	1-2	[illegible]	4-4-4-4	
0h 10m W	+18 17	2	7.23 B_2	3-3-3	Binary
0h 17m W	+16 17	2	6.56 B_2	3-3-3	

179

Date 1945 August 19-20, Sunday No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	M	Hour Angle End	D
11328	HD 170829	18 26.4	+29 46	1-25"	E103a-O	.008	+26.9°C	19 50	20 14	1		
11329	164898	17 58.3	+45 21	"	"	"	26.9	20 42	21 48	2		
11330	172187	18 33.7	+43 08	"	"	"	26.8	21 51	22 14	3		
11331	179367	19 07.2	+44 22	"	"	"	26.9	22 18	[illegible]	4		
11332	36133	20 33.3	+44 50	"	"	"	26.9	23 38	[illegible]	1		
11333	YP 5206	21 40.4	+58 19	"	"	"	26.8	[illegible]	21 36	[illegible]		
11334	HD 214946	22 36.7	+44 39	"	"	"	26.7	01 40	[illegible]	[illegible]		
	[illegible]						7.5	6.5				
11335	YP [illegible]	23 32.2	+77 04	"	"	"	26.7	02 29	[illegible]	[illegible]		
11336	YP 7468	23 49.4	+56 57	"	"	"	26.7	02 45	[illegible]	[illegible]		
11337	HD 3264	[illegible] 37.7	+45 00	"	"	"	26.7	03 13	[illegible]	[illegible]		
11338	5231	[illegible]	+16 31	"	"	"	26.7	03 49	04 11	[illegible]		
11339	10252	[illegible] 38.2	+31 42	"	"	"	26.7	04 16	04 42	[illegible]		

19

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
						Focus at 23.40±
0 09E	+20 49	1-2-3	737	G5	3-3-3	Binary Image seeing variable
1 24W	+45 24	1-2	744	A0	3-3-3	" " "
1 15W	+43 13	1-2	640	A5	3-3-3	" " "
2 01N	+44 30	0-1	731	A0	3-3-3	Vel * Image [illegible]
1 22W	+45 00	1-2	662	A2	3-3-3	Binary
[illegible]	+55 34	1-2	636	M0	3-3-3	[illegible] 3/4 [illegible] 46, 25 [illegible] *
1 12W	[illegible]	3	726	A2	3-3-3	Binary
0 [illegible]	+77 21	2-3	441	K0	7-7-7	[illegible] 1/3 [illegible]
[illegible] 54W	+67 13	2	515	F5	4-4-4	[illegible] 1/2 [illegible] 12, [illegible]
0 52N	+45 18	3	723	B2	3-3-3	Binary Image
0 52W	+46 46	3	656	B2	3-3-3	" "
[illegible] 34W	+21 56	3	720	G5	3-3-3	" "
x1						3+2 [illegible]
						MC SC MTM STM
						-31.2 -06.3 [illegible] [illegible]

Date Monday August 20-21, 1945 **Sh.** **Julian Day** 24[illegible].5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11340	HD 170[illegible]	18 26.4	+30 4[illegible]	I-25	F-1030-0	521 .008	+27.7	21.43	23.37	I		
	Focus Test	[illegible]	[illegible]	[illegible]								
11341	HD 191123	[illegible]	+45 50	I-25	F-1030-0	[illegible]	+27.6	23.48	00.10	II		
11342	Y 1079, 4Pg	21 33.5	+05 19	I-25	F-1030-0	[illegible]	+27.6	00.18	00.41	III		
11343	Y 1872 VPg	22 00.6	+04 34	I-25	F-1030-0	.008	+27.5	00.51	01.27	IV		
11344	HD 212442	22 19.2	+14 46	I-25	F-1030-0	.008	+27.4	01.27	01.43	V		
11345	HD 214946	22 36.7	+44 29	I-25	F-1030-0	.008	+27.3	01.50	02.14	VI		
11346	HD 216608	22 49.2	+44 13	I-25	F-1030-0	.008	+27.3	02.18	02.34	VII		
11347	HD 224601	23 55.7	+44 42	I-25	F-1030-0	.008	+27.3	03.30	03.42	I		
11348	HD 5835	00 53.[illegible]	+41 31	I-25	F-1030-0	[illegible]	+27.3	03.47	03.03	II		
11349	HD 3264	00 30.7	+45 0[illegible]	I-25	F-1030-0	.008	+27.3	03.[illegible]	03.34	III		
11350	Y 435 [illegible]	01 11.4	+45 [illegible]	I-25	F-1030-0	.008	+27.3	03.38	04.04			
11351	HD 10588	01 33.2	+31 43	I-25	F-1030-0	.008	+27.3	04.[illegible]	04.35	IV		
11352	Y 1472 V[illegible]	01 30.9	+40 54	I-25	F-1030-0	.008	+27.3	04.4[illegible]	04.54	V		
	Tuesday Aug 21	D	Rain at 10 P.M.									

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
02 49 W	+20 48	0-1	7.37	G5	3-3-3	
					7-5	
01 18 W	+45 02	1-2	6.62	A2	3-3-3	Binary.
00 50 W	+05 34	1-2	6.1	F0	4-4-4-4	Light haze.
01 00 W	+04 49	1-2	6.1	K5	4-4-4-4	
01 02 W	+15 02	2	.73	B8	3-3-3	Binary
01 14 W	+44 45	2+	7.26	A2	3-3-3	Binary
01 14 W	+44 29	2-	5.75	A4	3-3-3	Binary
00 24 W	+45 00	1-2	6.23	A0p	3-3-3	Binary
00 12 E	+46 47	1-2	6.56	B2	3-3-3	Binary
00 41 W	+48 17	1-2	7.2	B2	3-3-3	Binary
00 27 W	+45 17	1-2	6.0	K0	4-4-4-4	
00 35 W	+31 57	1-2	7.20	G5	3-3-3	Binary
01 02 W	+41 09	1-2	5.0	F0	4-4-4-4	

183

Date Wednesday August 22-23 1945 Sh Julian Day 2431845.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
	HD 170829	18 26.4	+20 46	I-25	E-103a-0	.008	+20.8	21.49	23.57	II
11354	γ₁ 6445, ε Equ	20 54.1	+03 55	I-25	E-103a-0	.008	+20.8	00.04	00.26	VI
	Focus Test	Outside Hemisphere								
	HD 212442	22 19.2	+14 44	I-25	E-103a-0	.008				

Clouds at Summit, [illegible]
21.30 [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	23 16 W	+ 20 44	0-1	7.37	F5	3.5-3	Focus Cat 23 49 + 00 01
	01 18 W	+ 04 07	1"	5.7	F2	4-4½	[illegible]
						7-5	
				6.66	F2		[illegible]
							[illegible]
							[illegible]
							[illegible]
							3 + 10 [illegible]
							Aug. 23 MC -33.5 SC +06.1 MTW 5 +47.5 STW m +0.9

Clouds at Summit, [illegible]
21.30 [illegible]

185

Date Thursday Aug 23-24 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H
11355	HD 172187	18 33.7	43 08	I-125	E103a-O	.008	+21.0	19 45	20 03	4
11356	170829	264	20 46	"	"	"	21.0	20 09	20 59	2
11357	181144	19 142	16 19	"	"	"	21.0	21 03	21 45	3
11358	180316	110	27 46	"	"	"	20.9	21 52	22 16	4
11359	196133	20 30.3	44 60	"	"	"	21.0	22 21	22 45	1
11360	209813	22 010	46 45	"	"	"	21.0	22 50	23 30	2
	Focus	outside Hour base								
11361	HD 214946	22 367	44 29	"	"	"	21.0	23 38	00 12	3

Friday Aug 24-25 / No - cloudy with scattered showers

Saturday Aug 25-26 / D Rain!

Found dome not closed

Focus unchanged

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
42 E	+43° 13'	1	640 A5	2-2-2	E
21 W	20 49	0-1	737 G5	2-2-2	" (Holden decaded)
20 W	16 25	0-1	734 F5	2-2-2	"
54 W	27 54	0-1	657 B5	2-2-2	" (dec not [illegible] completed)
5m W	45 01	1	676 A2	2-2-2	"
40m E	47 00	1	753 K0	2-2-2	"
				7-5	
36 E	44 45	1	726 A2	2-2-2	"
					4 [illegible] [illegible] done
					Watch adv. 1 min
				Aug. 24	MC -34.8 SC +09.0 MTW -06.8 STW 0.0

Date Sunday August 26-27, 1945 **Julian Day** 2431694.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	PLATE NUMBER
11362	HD 170829	18 26.4	+20 46	I-25	E 1030-0	.008	+17.5	19.15	20.41	I
11363	HD 164898	17 59.6	+45 31	I-25	E 1030-0	.008	+17.5	20.47	21.41	I
11364	HD 179294	19 07.3	+42 26	I-25	E 1030-0	.008	+17.5	21.46	22.36	II
11365	HD 181144	19 14.2	+16 11	I-25	E 1030-0	.008	+17.4	22.42	23.37	II
11366	HD 196183	20 30.7	+44 50	I-25	E 1030-0	.008	+17.3	23.43	00.37	II
11367	HD 209813	22 01.0	+46 45	I-25	E 1030-0	.008	+17.3	00.11	00.45	I
11368	HD 213359	22 25.9	+45 51	I-25	E 1030-0	.008	+17.2	00.41	01.31	I
11369	HD 214946	22 36.7	+44 29	I-25	E 1030-0	.008	+17.2	01.32	02.12	III
	Focus Test	[illegible]	[illegible]							
11370	HD 224801	23 57.7	+44 42	I-25	E 1030-0	.008	+17.1	02.26	03.[illegible]	I
11371	HD 3264	00 30.7	+45 00	I-25	E 1030-0	.008	+17.0	02.45	03.[illegible]	I
11372	HD 5638	00 53.0	+46 31	I-25	E 1030-0	.008	+17.0	03.14	03.[illegible]	I
11373	YP 443, 444, 445	01 24.1	+46 27	I-25	E 1030-0	.008	+17.0	03.32	04.[illegible]	II
11374	HD 10528	01 35.2	+31 43	I-25	E 1030-0	.008	+17.1	04.01	04.23	I
11375	YP 466, 5 Tau	02 10.9	+33 46	I-25	E 1030-0	.008	+17.1	04.27	04.51	I

Clear all day. Observing time 18·30 - 21·30

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
						Focus Set 23·54 to 00·02
00 14W	+20 49	0-1	7.37	G5	3-3-3	BINARY
01 45W	+45 22	0	7.42	A0	3-3-3	Binary (1st [illegible]) Light cloud 21·35
01 30W	+42 31	0	7.33	B8	3-3-3	[illegible] Light [illegible] 21·45 [illegible]
00 24W	+16 24	0-1	7.34	F5	3-3-3	Binary Light cloud (yellow) [illegible] 23·2[illegible]
01 35W	+45 01	0-1	6.76	A2	3-3-3	Binary
00 45W	+46 59	1-2	7.52	K0	3-3-3	Binary
01 04W	+49 06	1-2	7.52	K0	3-3-3	Binary. Light cloud 01·19
01 37W	+44 46	0-1	7.26	A2	3-3-3	Binary
					7-5	[illegible]
00 43W	+44 57	1-2	6.25	A0	3-3-3	Binary. Light cloud 00·3[illegible]
00 40W	+45 16	2	7.23	B2	3-3-3	Binary
00 35W	+46 46	2	6.56	B2	3-3-3	Binary
00 32W	+46 45	2	6.1	G5	4-4-4-4	Exposure 16-9 mm Flapping ½ time Bottom [illegible]
00.46W	+31 57	2	7.20	G5	3-3-3	Binary
00 41W	+33 59	2	5.7	G0	4-4-4-4-4-4	Exposure 10·8-6 mm Flapping ½ time.
						Heat [illegible] D+2 [illegible]

Date Monday August 27-28/45 **No** **Julian Day** 2431675.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11376	HD 170829	18 20.4	+20 46	I 25"	E 103a-O	.008	+20.3°C	19 37	20 57	2		
11377	181144	19 14.2	+16 19	"	"	"	20.3	20 32	21 16	3		
11378	164878	17 58.3	+45 21	"	"	"	20.3	21 21	22 18	4		
11379	180316	19 11.0	+27 46	"	"	"	20.3	22 19	23 13	1		
	Given to [illegible]			[illegible]	7s-6s							

August 28. MC −38.0s SC +18.7s MTW +06.2s SW −0.1m

Clouding in from W at beginning of night!

Sidereal Time	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
							Focus at 23.50±
21	0 06W	+20 49	3	7.37	G5	3-3-3	Binary - haze - cirrus clouds 19.11 - clearer 20.0
16	0 06W	+16 25	3	7.34	F5	3-3-3	" thick haze
18	2 22W	+45 24	2-1	7.42	A0	3-3-3	" haze - clouds 22.03
13	2 07W	+27 53	1	6.57	B5	3-3-3	" " more clouds 22.30 [illegible]
							stellar image badly [illegible]
							thin haze and clouds 22.55 [illegible]
							gone 23.13
							Endless clouds at 20 - clear up - [illegible]
							2+8 plates in dark. clouds at 225

Date Tuesday Aug 28-29 1945 D **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]							
[illegible]	[illegible]									

Wednesday Aug [illegible] 1945 St

[illegible] 11:00. Hazy [illegible]

Thursday August 30/31 No - sky clear but very hazy. [illegible] at dusk. Settled down to two to three magnitudes of haze (at least), up to 01.00 E.S.T. when the situation was still hopeless.

Evening Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1° 58 E	+45 01	1-2	6.76 A	3-3-3	
	1° 10 W	+40 22	1	7.02 A	3-3-3	
	1° 38 W	+31 02	1-2	[illegible]	[illegible]	
	1° 36 W	+21 54	1-2	[illegible]	3-3-3	
	2° 01 W	+13 20	1-3	[illegible]	3-3-3	
				4.3 Gp		
					3-3-3	
		Eclipse Ap. 13 Sept. 1 D				
		[illegible]		[illegible]		
		Rain 10 15				
		Saturday Sept 1-2 D				
		rain !				
		Cloudy at bed				
		[illegible]				
		[illegible]				
		[illegible]				
		Pleiades in dome				

Cloudy at sunset around [illegible]

	MC	SC	MTW	STW
Reset Aug 29			+00.7	+01.3
Aug. 30	-39.3	+33.7	+03.5	0.0
31	-39.7	+26.4	+06.8	+0.1

WHEN

193

Date [illegible] 2-3, 19[illegible]5 **Julian Day** [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20[illegible]	[illegible]35	20[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20[illegible]	[illegible]41	21.[illegible]7	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20[illegible]	[illegible]12	22.[illegible]2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]08	22.3[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]35	23.2[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]01	00[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20[illegible]	[illegible]41	01.0[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]10	01.2[illegible]	[illegible]
[illegible]	[illegible] 215242	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]34	01.1[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]41	02.13	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]0	02.[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]5	02.3	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]8	03.8	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]21	03.7	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	03.5	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	coo. p. shift	too much
	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]		too much
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		v. good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	guiding!	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	guiding!	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	"	[illegible]
	[illegible]	[illegible]	3	[illegible]	4 4	[illegible]		fair
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	guiding	v. good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	guiding	good
	[illegible]	+31 57	3	[illegible]	[illegible]	[illegible]		fair
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	3-3-3 [illegible] guiding! good
[illegible]	[illegible]	[illegible]	[illegible]	fine, good
[illegible]	[illegible]	3	[illegible]	guiding! fine & much

Date 1945 Aug. 3-4 Friday N - H **Julian Day** 1702.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11403	HD 164818	17 53.3	+45 21	1.25	103a0	.008	+21.2	19 39	20 57.3	[illegible]
11404	170329	18 26.4	+20 46	"	"	"	+21.1	21 27	22 07.4	[illegible]
11405	180316	19 11.0	+27 46	"	"	"	+20.9	22 13	23 53.1	[illegible]
11406	196133	20 22.3	+44 30	"	"	"	+20.9	23 21	2[illegible] 2	[illegible]
11407	209813	22 01.0	+46 45	"	"	"	+20.9	23 40	* [illegible] 3	[illegible]
11408	213239	22 25.7	+49 51	"	"	"	+20.1	0 33	1 17.4	[illegible]
11409	215242	22 [illegible]	+41 38	"	"	"	+20.1	1 21	1 [illegible] 1	[illegible]
11410	216628	22 [illegible]	+44 13	"	"	"	+20.7	1 [illegible]	2 [illegible] 2	[illegible]
11411	221521	22 [illegible]	+44 [illegible]	"	"	"	[illegible]	2 [illegible]	2 [illegible] 3	[illegible]
11412	3234	00 [illegible]	+15 20	"	"	"	[illegible]	2 [illegible]	2 [illegible] 4	[illegible]
11413	5138	[illegible]	+31 31	"	"	"	[illegible]	3 [illegible]	[illegible] 1	[illegible]
11414	14583	01 [illegible]	+31 [illegible]	"	"	"	[illegible]	3 [illegible]	3 [illegible]	[illegible]
11415	14688	[illegible]	+21 25	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
11416	27483	04 152	+13 [illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
11417	[illegible]	[illegible]	+27 50	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	1 32 W	+42 22	0	7.42	A0	3-3-3	
	2 12 W	+38 42	0-1	7.37	G5	3-3-3	
	0 17 W	+27 53	0	6.57	B3	3-3-3	
	1 37 W	+45 01	0-1	6.76	A2	3-3-3	
	1 02 W	+47 00	0-1	7.52	K0	3-3-3	
	1 14 W	+49 37	1	7.52	K0	2-3-3	
	[illegible]	+46 57	1	6.12	B0	3-3-3	
	[illegible]	[illegible]	1	[illegible]	F4	3-3-3	
	0 [illegible] W	[illegible]	1-2	[illegible]	[illegible]	3-3-3	
	1 [illegible] W	+47 7	[illegible]	7.32	B2	3-3-3	
	1 23 W	[illegible]	1-2	6.51	B2	3-3-3	
	0 13 W	[illegible]	1-2	7.20	F5	3-3-3	
	1 [illegible]	[illegible]	2	[illegible]	A0	2-3-3	
	[illegible]	[illegible]	1-2	[illegible]	F5	2-3-3	
	[illegible]	[illegible]		[illegible]	K0	[illegible]	

Date 1945 Sep 4-5 Tuesday D **Julian Day** 1703.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11418	HD 209813	22 010	+46 45			Int 008	22 6	23 33	00 43	2
11419	216608	22 492	+49 13				22 6	00 47	00 57	3
11420	217639	23 122	+61 35				22 3	01 07	01 16	4
11421	224801	23 157	+44 42				22 3	01 21	01 33	1
11422	YP 7496 11 Tec	23 542	+06 19				22 2	01 39	01 47	2
11423	HD 3629	00 37	+48 00				22 2	01 55	02 13	3
	Fine Test									
11424	HD 5028	[illegible]	+41 21				22 9	02 35	02 47	4
11425	YP 396 pec	01 041	+35 05				22 4	02 49	02 57	1
11426	HD 10599	01 382	+31 40				22 3	03 00	03 34	2
11427	YP 509 17 Tec	01 371	+19 47				22 3	03 28	04 00	3
11428	HD 14650	02 171	+16 28				22 2	04 04	04 22	4
11429	HD 19473	02 511	+37 17				22 2	04 31	04 41	1
11430	YP 3798	02 524	+36 16				22 2	04 57	[illegible]	2

clouds and haze until 23 00

focus set 23 46

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS	
	1h 19m W	+47 01	1-2	7.52 Ko	3-3-3		faint
	0h 43m W	[illegible]	2+	5.73 A4	1-1-3		faint
	[illegible]	[illegible]	2	6.34 B+	2-3-3		[illegible]
	[illegible]	[illegible]	2+	6.25 Ap.	3-3-3		[illegible]
	[illegible]	[illegible]	2	4.4 F5	8-8-8	flipper in ½	
	0h 15m W	+48 18	1-	[illegible]	3-3-3		faint
					1-7		
	[illegible]	[illegible]	2	[illegible]	1-3-1		[illegible]
	[illegible]	+35 [illegible]	2	[illegible]	1-8-8	[illegible]	
	[illegible]	+21 57	2+	7.26 G4	3-3-3		[illegible]
	1h 01m W	+20 03	2	6.16 F5	4-4-4	flipper in 2/3 [illegible]	[illegible]
	0h 42m W	+16 40	2-3	6.78 A0	3-3-3		[illegible]
	[illegible]	+29 37	2-3	7.36 A	1-1-3		[illegible]
	[illegible]	+20 30	2	6.2 F5	3-3-3	[illegible]	[illegible]

Date 1945 Sep. 5-6 Wednesday **No** **Julian Day** 2431704.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End
11431	HD 181144	19 14.2 (1945)	+16 19 (1945)	1-25"	E-103a-O	sub .008	+26.1°C	19 22	20 12	5	
	Nova Aquilae	19 16.0	+00 35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
11432	170829	18 26.4	+20 46	1-25"	E-103a-O	.008	26.1	20 43	21 37	4	
11433	164898	17 58.3	+45 21	"	"	"	26.1	21 41	22 31	1	
11434	196133	20 30.3	+44 50	"	"	"	26.1	23 35	23 25	2	
11435	207813	22 01.0	+46 26	"	"	"	26.1	23 27	00 29	3	
11436	213389	22 25.7	+48 51	"	"	"	26.1	00 33	[illegible]	4	
	[illegible]				7s-6s						
11437	215242	22 38.7	+46 38	"	"	"	26.0	01 47	[illegible]	1	
11438	216668	22 49.2	+44 13	"	"	"	26.0	02 25	03 43	2	
11439	224851	23 25.7	+44 42	"	"	"	26.0	02 47	03 [illegible]	3	
11440	5628.00	53.0	+46 31	"	"	"	26.0	03 06	03 21	4	
11441	105588	01 38.2	+31 43	"	"	"	26.0	03 28	04 12	1	
11442	196588	02 17.1	+16 25	"	"	"	26.0	04 15	4 45	2	
11443	YP 870	02 50.8	+17 37	"	"	"	25.9	04 48	05 16	3	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS Focus at 23.41±
	0 23E	+16 26	1-2	7.34	F5	3-3-3	Binary image unsteady - haze
	faint to photograph						haze
	1 50W	+20 48	2	7.37	G5	3-3-3	Binary thick haze
	3 13W	+45 22	2-3	7.42	A0	3-3-3	Binary
	1 33W	+46 01	1	6.76	A2	3-3-3	Binary
	1 08N	+47 01	1	7.52	K0	3-3-3	" haze
	1 00W	+47 26	1	7.52	K0	3-3-3	" haze
	2 23W	+46 55	1	6.42	A0s	3-3-3	" thick haze
	2 35W	+41 30	2	5.13	A1	3-3-3	
	1 41W	+45 00	2	6.25	A0p	3-3-3	
	1 11W	+46 48	2-3	6.56	B2	3-3-3	
	1 14W	+31 58	2-3	7.20	G5	3-3-3	
	1 08W	+16 40	2-3	6.78	A0	3-3-3	
	1 26W	+17 51	2-3	6.0	F5	4-4-4	flipper in 1/2 [illegible] 15 [illegible] 37 [illegible]

Date Thursday September 6-7, 1945 **Julian Day** 2431705.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11444	HD 196133	20 30 3	+44 50	C-25	F 103a-o	.00 5	+28.2	19 16	19 [illegible]	[illegible]
11445	HD 164899	17 58 3	+45 21	C-25	E 103a-o	.00 5	+28.1	19 56	20.24	[illegible]
11446	HD 170[illegible]	18 26 4	+20 46	C-25	E 103a-o	.00 5	+25.1	20 26	[illegible]	[illegible]
11447	HD 179483	19 07 7	+49 16	C-25	F 103a-o	.00 5	+27.1	21 07	[illegible]	[illegible]
11448	HD 172167	18 37 7	+43 05	C-25	E 103a-o	.00 5	+29.0	21 45	[illegible]	[illegible]
11449	HD 176163	18 57 6	[illegible]	C-25	F 103a-o	.00 5	+29.9	[illegible]	[illegible]	[illegible]
11450	HD 175855	19 49 1	+15 0	C-25	F 103a-o	.00 5	+27.3	[illegible]	[illegible]	[illegible]
11451	HD 192152	19 49 9	+41 [illegible]	C-25	E 103a-o	.00 5	+29.9	[illegible]	[illegible]	[illegible]
11452	HD 182144	19 14 [illegible]	+16 [illegible]	C-25	F 103a-o	.00 5	+27.9	22 [illegible]	[illegible]	[illegible]
11453	HD 207241	22 [illegible]	+46 45	C-25	F 103a-o	.00 5	+27.8	[illegible]	[illegible]	[illegible]
11454	HD 196133	[illegible]	+44 [illegible]	C-25	F 103a-o	.00 5	+27.8	[illegible]	[illegible]	[illegible]
11455	HD 210[illegible]	[illegible]	+41 [illegible]	C-25	F 103a-o	.00 5	+27.7	[illegible]	[illegible]	[illegible]
11456	HD [illegible]	[illegible]	+44 [illegible]	C-25	F 103a-o	.00 5	[illegible]	[illegible]	[illegible]	[illegible]
11457	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11458	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]							

Sep 5	MC	SC	MTW	STW
	-44.6	+42.0	$-16^{s}.1$	~~-0.3~~ -0.5

Correction 204

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS	
	02 19 E	+45 02	3	676	A2	3 3-3	Binary Light page	Trouble with R.A. Clamp motor; [illegible] motor pure for far end - clamper [illegible] [illegible] clamper [illegible] good
	01 09W	+45 23	2 3	742	A0	3.3-3	Binary	good
	01 19W	+20 49	2-3	737	G5	3-3-3	BINARY	Clamp working fine - [illegible] good
	[illegible]	+43 24	1-2	[illegible]	A2	3-3-3	Variable Star [illegible]	fine
	[illegible]	+42 13	1-2	640	A5	3-3-3	Binary	good
	[illegible]	+42 18	1	[illegible]	[illegible]	[illegible]	[illegible]	good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	good
	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	fine
	[illegible]	[illegible]	2	[illegible]	A5	[illegible]	[illegible]	w. weak
	[illegible]	+47 01	3	[illegible]	[illegible]	[illegible]	[illegible]	fine
	03 05W	+47 01	3	[illegible]	A1	[illegible]	guiding	fine
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	l. strong
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	fine
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	good
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	guiding	l. strong
	[illegible]					[illegible]		fine OK.

Date [illegible] **Julian Day** 2431705.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	[illegible]	fine
[illegible]	[illegible]	3	[illegible]	[illegible]	fine
[illegible]	[illegible]	3	[illegible]	[illegible]	fine
[illegible]	[illegible]	3	[illegible]	[illegible]	fine
[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2-3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2-3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]				
	[illegible]				[illegible]
	[illegible]				

Date Friday Sept 7-8/45 **No** **Julian Day** 2431706.5

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End	Dec
11467	H.D. 164858	17 58.3	+45 21	1-25"	E-103-0	008	+28.5°C	19 19	20 29	1	[illegible]	[illegible]
11468	172187	18 33.7	+43 08	"	"	"	28.7	20 32	21 [illegible]	2	[illegible]	[illegible]
11469	176133	20 30.3	+44 50	"	"	"	28.5	21 04	21 40	3	[illegible]	[illegible]
11470	180316	19 11.0	+27 46	"	"	"	28.5	22 04	22 38	1	[illegible]	[illegible]
11471	181144	19 14.2	+16 19	"	"	"	28.6	22 42	23 34	2	[illegible]	[illegible]
11472	209813	22 01.0	+46 45	"	"	"	28.4	23 38	00 50	3	[illegible]	[illegible]
11473	213389	22 25.7	+48 51	"	"	"	28.5	00 53	01 31	4	[illegible]	[illegible]
	Jupiter Tail of Comet				7s-6s							
11474	216608	22 44.2	+44 13	"	"	"	28.4	01 37	02 [illegible]	1	[illegible]	[illegible]
11475	224801	23 55.7	+44 42	"	"	"	28.5	02 04	02 44	2	[illegible]	[illegible]
11476	2264	00 3.7	+48 00	"	"	"	28.5	02 48	04 12	3	[illegible]	[illegible]
11477	27453	04 15.2	+13 38	"	"	"	[illegible]	04 [illegible]	04 41	4	[illegible]	[illegible]
	~~H.C. 576~~	~~03 14.1~~	~~+03 00~~	~~"~~	~~"~~	~~"~~						

Sep. 7	MC	SC	MTW	STW
	-44.7	+44.0	-12.7	-0.4

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
							Focus set 23.38±
	1 11W	+45 24	0-1	7.42	A0	3-3-3	Bering [illegible]
	1 14W	+43 13	1	6.40	A5	3-3-3	" [illegible]
	0 02E	+45 00	1-2	6.76	A2	3-3-3	" this haze 21.30 - [illegible]
	2 15W	+27 54	2-3	6.57	B5	3-3-3	" start in 11470 [illegible]
	3 08W	+16 25	1-2	7.34	F5	3-3-3	" [illegible] haze
	1 37W	+47 01	2-3	7.52	K0	3-3-3	" haze
	1 58W	+47 05	2-3	7.52	K0	3-3-3	" [illegible] haze 7.47
	2 00W	+44 34	2	5.73	A4	3-3-3	" more haze
	1 37W	+44 58	2	6.25	A0	3-3-3	" sky filling in 2.15-[illegible]
	2 33W	+43 16	2	7.23	B2	3-3-3	" haze
	2 46E	+13 46	3	6.57	F4	3-3-3	" [illegible]
				5.8	G5		[illegible]
							[illegible]
							[illegible] rapidly from SW 0-4 [illegible]
							3+2 [illegible]

Date Sat Sep 8-9 45 D Julian Day 17075

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	19 59	2[illegible]	1
11479	[illegible]	[illegible]	[illegible]				27.2	20 46	21 56	2
11480	196193	[illegible]	+[illegible]				27.2	22 00	22 34	3
11481	201 032	21 01.5	+62.59				27.1	22 38	23 54	4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
			1-2			
	$1^h 37^m$ W		0-1		3-3-3	21 50
	$0^h \cdot 5^m$ W	+45 01	1+	6.76 A_2	3-3-3	
	$1^h 44^m$ W	+63 12	1	7.40 A_5	3-3-3	
						star gone after 5 min
						weather ng closed up.

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
		+45 24	1	7.90	F0	3-3-3	Observer good
		+46 26	1	7.44	F2	3-3-3	good
		+43 12	1-2	6.40	F0	3-3-3	very strong
		+43 28	2T	5.8	F0	4-4-4	
		+43 50	2T	6.5	F0	4-4-4	
		+34 49	2	6.7	F0	3-3-3	
		+16 25	1-2	7.14	F5	3-3-3	
		+45 01	2T	6.70	A0	3-3-3	very strong
		+46 51	2-3	7.50	A0	3-3-3	good
							[illegible]
		+44 0	3-3	7.60	A0	3-3-3	
		+44	2-3	7.3	A2	3-3-3	
		+44 30	2-3	7.4	A0	3-3-3	good
		+46 19	2-3	6.40	A0	3-3-3	very strong
		+45 [illegible]	2-3	6.85	A0	3-3	good
		+46	2-3	7.0	A2	3-3-3	good

Date .... Julian Day ....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Monday September 10-11/45 No
scattered showers during most of night

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1-2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1-2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	2-3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	2-3	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

215

Date Tuesday Sept 11-12 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11 503	HD 170829	18 264	+20 46	I - 25	E 1032-0	SET 008	+21.0	7 41	8 31	4	1:7 W	2
11 504	181444	19 142	16 19	"	"	"	+20.9	8 36	9 26	1	- W	
11 505	196133	20 303	44 50	"	"	"	+20.7	9 32	9 58	2	1/2 W	
11 506	209813	22 01.0	46 45	"	"	"	+20.6	10 02	10 52	3	1/2 E	
11 507	215242	22 387	46 38	"	"	"	+20.7	10 55	11 15	4	1:0 E	
11 508	213389	22 259	48 51	"	"	"	+20.7	11 19	12 55 ~~09~~		1:3 W	

Focus 23 49 Clouds at first

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
9 31	1 07 W	20 49	1	7.37 G5	2-2-2	haze at times
9 36	1 14 W	16 24	0-1	7.34 F5	2-2-2	clouds
9 58	32 W	45 01	0-1	6.76 A2	2-2-2	
10 52	6m E	47 00	0-1	7.52 K0	2-2-2	clouds
11 15	20 E	46 55	0-1	6.42 A0s	2-2-2	
11 55	~~49~~ 33 W	49 06	1	7.52 K0	2-2-2	clouds. very little after 11 55

Date Wednesday September 12-13 1945 N Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11509	HD 170829	18 36.4	+20 44	I-25	[illegible]	[illegible]	[illegible]	21 16	22 16	[illegible]	[illegible]
11510	181144	19 14.2	+16 [illegible]	"	"	"	[illegible]	22 [illegible]	22 57	[illegible]	[illegible]
11511	19[illegible]	[illegible]	+44 [illegible]	"	"	"	[illegible]	23 [illegible]	23 [illegible]	[illegible]	[illegible]
	20[illegible]	22 51.4	+4[illegible] 45	"	"						
	Friday Sep. 14-15.			Pair	N.						

Clouds out of day. Thing would not let stay by
you left. [illegible]

Sun set 22 [illegible]

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible] W	+20 49	2	237 [illegible]	3-3-3	Upper lights [illegible]
[illegible] W	+16 25	0-1	234 [illegible]	3-3-3	
[illegible] W	+15 01	[illegible]	231 [illegible]	3-3-3	Lights [illegible]
			252 [illegible]		Clouds [illegible]
					[illegible]

Date Saturday September 15-16/45 No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11512	H.D. 181144	19 14.2	+16 19	1-25"	E-103a-O	.008	+17.7°C	20 04	[illegible]	1	[illegible]	
11513	180316	19 11.0	+27 46	"	"	"	17.2	21 57	22 39	2	[illegible]	
11514	Y.P. 6408	20 42.0	+15 46	"	"	"	17.2	22 44	23 03	3	[illegible]	
11515	Y.P. 6408	" "	" "	"	"	"	17.2	23 09	23 32	4	[illegible]	
11516	H.D. 209813	22 01.0	+46 45	"	"	"	17.2	23 36	[illegible]		[illegible]	
	Focus Check - outside				7" 6"							
	H.D. 224561	23 32.7	+44 42	"	"	"	17.1	[illegible]		6		

Cloudy during afternoon and early evening. Clear 17-45 EST

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		Color	REMARKS
							Focus at 23.53±
	1 59W	+16 26	0-0	7.34	F7	3-3-3	Binary
	2 48W	+27 54	0	6.51	B8	3-3-3	
	1 41W	+15 57	0	4.5	K1	8;8;3	Appears in 7/2 separation 4.6.5 min
	2 10W	+15 59	0	5.5	F5	4-4;4-4	" " 7/2 " 16,12 min
	2 11W	+47 01	0	7.52	K0	3-3-3	Binary Sep 0.37
		+44 59		6.25	Nop	3-	Observed in 3 min after lightning approach - [illegible] Fading [illegible] for [illegible] [illegible] 15-23.00. [illegible] in [illegible] by 2300 - clouds up

Date Tuesday September [illegible] **Julian Day** 2[illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11517	HD 10[illegible]	[illegible] 58.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21.10	1
	Focus Test	Out & through focus								
11518	HD 215381	[illegible] 25.7	[illegible]	[illegible]	[illegible]	[illegible]	+12.2	23 [illegible]	01.10	[illegible]
11519	HD 20[illegible]13	22 01.0	[illegible]	[illegible]	[illegible]	[illegible]	+12.2	01.13	[illegible]	3
11520	HD 3264	00 [illegible].7	[illegible]	[illegible]	[illegible]	.008	+12.5	02.25	03.15	4
	Focus Test	Out & through focus								
11521	HD 5633	00 53.0	+46 31	[illegible]	[illegible]	.008	+12.6	03.24	03.46	1
~~11522~~	HD 10581	01 39.2	[illegible]	[illegible]	[illegible]	.008	+12.7	03.50		[illegible]

Monday Sep 17-18/45 No - cloudy during afternoon and evening. Rain 23.45 -

Weather improving 0800 Sep. 18 (N)

Tuesday Sept 18-19/45 (Y) H clear. No rain. Windy. Sept 19-20 H - [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptgr. Mag.	Comments	REMARKS
	03 35W	+47 23	0-1	7.00 40	3-3-3	Rising. Still [illegible] very heavily visible at from 20 30 [illegible]
					7-5s	Uniform [illegible] [illegible]
						Clear up temporarily 21.21
						Clouds closing [illegible] [illegible] 22.30 [illegible]
	03 03W	+47 05	0-1	7.55 41	3-3-3	Rising. Light clouds [illegible]
	03 43W	+47 00	0-	7.12 40	3-3-3	Rising. Hazy
	03 03W	+48 17	0-	7.14 B2	3-3-3	Rising. Hazy. [illegible]
					7-5s	
	02 17W	+46 46	0	6.47 B1	3-3-3	Rising.
		+31 57	0-	7.20 45	3-	Rising. Clouds [illegible] at 04 00 [illegible]
						heavy clouds [illegible]
						[illegible] clear up 04 10
						4-12 [illegible]
						m.c. s.e. m.w. s.w.
						Sep. 17/45 -5.22 +1.06.3 +2.36 +5.22
						[illegible] /45 -1.57 [illegible] +2.[illegible] +0.97
						[illegible] -3.[illegible] [illegible] [illegible] [illegible]

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Exposure End	Date
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		4
	[illegible]										

Ending Time S.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						m.T.W. S.T.W. S.C. m.c.
						Sep. 21 +43.1 +0.8 +1.18 -.34

Date 1945 Sep 21-22 Friday N **Julian Day** 1720 +

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11528	HD 160695	17 53.3	+49 21	1-26	[illegible]	.008	+15.5	18 58	20 [illegible]	[illegible]	1
11529	180316	19 11.0	+27 46	"	"	"	+15.5	20 22	20 [illegible]	[illegible]	2
11530	196322	20 30.3	+41 30	"	"	"	+15.4	21 01	21 [illegible]	[illegible]	3
11531	212[illegible]	22 25.7	+46 38	"	"	"	+15.3	21 44	22 [illegible]	[illegible]	4
11532	216608	22 47.2	+44 13	"	"	"	+15.3	22 16	22 [illegible]	[illegible]	[illegible]
11533	218443	22 [illegible]	+14 46	"	"	"	+15.3	23 13 (22 37)	[illegible]	[illegible]	[illegible]
	[illegible]						+15.1				

1945 Sep 22-23 Saturday No - cirrus clouds during afternoon and early evening. Sky then gradually improved. No sign of improvement by 0030 E.S.T.

1945 Sunday Sept 23-24 [illegible] H - Cloudy with [illegible]

1945 Sunday Sept 24-25 H - cloudy

1945 Sep 27-28 Thu. Cloudy all day, stars visible a 20:[illegible] but still hazy and cloudy. [illegible] too poor 23h N

1945 - Sunday [illegible]

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	2 04 W	+ 45 22	0	7.41	A0	3-3-3	
	1 37 W	+ 27 58	0	6.51	B3	3-3-3	
	0 50 W	+ 45 01	0-1	6.18	A2	3-3-3	
	0 13 E	+ 46 51	0	6.42	A0s	3-3-3	
	0 46 E	+ 44 29	0	5.14	A4	3-3-3	
	1 13 W	+ 15 02	0-1	6.71	B8	3-3-3	
						7-6	

	MC	SC	MTW	STW
Sep. 24	-55.8	+1 23.5	-01.2 s	-0.1 m
27	-57.0	+1 31.8	too S	-0.3

advanced 1 min.

Date 1945 Sep 29-30/45 No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11534	H.D. 170829	18 26.4	+20 46	1-25"	F-103-O	.008	+10.2°C	19 52	21 20	1		
11535	180316	19 11.0	+27 46	"	"	"	9.9	21 24	22 02	2		
11536	196133	20 30.3	+44 50	"	"	"	9.9	22 06	22 40	3		
11537	209813	22 01.0	+46 45	"	"	"	10.0	22 53	[illegible]	[illegible]		
11538	215242	22 40.0	+46 52	"	"	"	10.0	00 07	[illegible]	1		
	From test - outside [illegible]				7.9 - 6.5							
11539	224801	23 55.7	+44 42	"	"	"	10.0	00 38	[illegible]	[illegible]		
11540	3264	00 33.7	+46 00	"	"	"	10.0	01 04	[illegible]	[illegible]		
11541	1638	00 530	+46 31	"	"	"	10.0	[illegible]	[illegible]	[illegible]		
11542	14688	02 171	+16 25	"	"	"	10.0	02 39	[illegible]	[illegible]		
11543	27483	04 152	+13 38	"	"	"	10.0	03 19	03 47	[illegible]		
		1945 Sept 29 - Oct 1			H		Slow [illegible] Cloudy					

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS Items sub 23 64
3 01W	+20 49	O	7.59	G8	3-3-3	Binary
3 06W	+27 54	O	6.51	[illegible]	3-3-3	"
2 35W	+45 01	O	6.68	A2	3-3-3	"
2 17W	+47 00	O-1	7.52	K0	3-3-3	
2 27W	+46 55	O-1	6.42	A0	3-3-3	
1 12W	+45 00	O-1	6.25	A0p	3-3-3	
1 46W	+48 18	O-1	7.14	B2	3-3-3	
1 37N	+46 46	O	6.47	B2	3-3-3	
1 14N	+16 39	O-1	6.78	A1s	3-3-3	
0 35E	+13 46	O	6.06	F4	3-3-3	

229

Date 1945 Wed Oct 3-4/~~45~~ 42 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	D
11544	HD 189013	19 52.9	46 50	I-25	E 103a-O	2nd 008	+7.0 C	19 52	19 34		
11545	HD 196133	20 30.3	44 50	"	"	"	+7.0	19 41	20 11		
11546	HD 199479	20 52.4	43 59	"	"	"	+6.5	20 16	20 50		
11547	HD 201239	21 03.3	47 47	"	"	"	+6.3	20 57	21 49		
11548	HD 209469	21 58.6	42 20	"	"	"	+6.4	21 54	22 42		
11549	HD 215566	22 41.0	44 14	"	"	"	+6.2	22 45	23 29		
11550	HD 3264	00 30.7	48 00	"	"	"	+6.2	23 39	00 21		
11551	HD 8862	01 22.3	43 32	"	"	"	+6.3	00 25	[illegible]		

Ending Time I.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	Set 7 focus 23.68 REMARKS
	W 12m	47 00	0	6.90 A4	3,3,3	weak
	W 11m	45 00	1	6.68 A2	3,3,3	l. weak
	W 25	44 11	1	6.69 B8	3,3,3	l. weak
	W 1h 16m	43 00	1	7.50 A0	3,3,3	weak
	W 1 14	42 35	0	7.04 B9	3,3,3	weak
	W 1 19	44 30	0	7.02 B8	3,3,3	Condensation of work Discovered top of ladder wet after this exposure.
	W 21m	48 16	1	7.14 B2	3,3,3	Focus plate l. weak
	E 02m	43 47	1	6.54 B9	3,3,3	l. weak

Plates fogged in spots. Probably pour plate
Box being left out in light

Plates discarded.

231

Date 1945 Thursday, October 4-5 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11552	HD 175743	18 51.7	+17 59	I-25	E-103aO	set 008	+10.6	18 38	19 12	3
11553	176053	18 53.3	+31 52	"	"	"	+10.7	19 15	20 15	4
11554	190658	20 00.9	+15 13	"	"	"	+10.7	20 17	21 37	1
11555	208174	21 49.4	+27 53	"	"	"	+10.6	21 43	22 19	2
11556	213359	22 25.8	+48 51	"	"	"	+10.6	22 22	22 48	3
11557	215242	22 38.7	+46 38	"	"	"	+10.7	22 52	23 12	1
11558	219675	23 12.6	+17 45	"	"	"	+10.6	23 16	23 50	1
	Focus test - outside thru' focus									
11559	HD 2019	00 19.4	+30 49	"	"	"	+10.4	23 55	0 31	2
11560	2767	00 26.1	+33 02	"	"	"	+10.5	0 34	1 16	3
		1945 Oct. 5-6		Friday	Cloudy with [illegible]					
					Receiving [illegible]					
		1945 Oct 6-7		Saturday	Cloudy; rain 21:30-[illegible]					
					[illegible] at [illegible]		01:00			

Light clouds late afternoon. SW + W wind.

Focus set 23.64

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	0 54W	+18 04	1	6.80 K2	3-3-3	Binary Light clouds delayed start + persisted.
[illegible]	1 56W	+31 58	1	7.20 A3	3-3-3	" Poor lines. Clouds set in frequently.
[illegible]	2 11W	+15 22	1-2-0	8.00 M1	3-3-3	" Light haze
[illegible]	1 04W	+28 06	1	6.85 A5	3-3-3	" " "
[illegible]	0 57W	+49 06	1-2	7.55 K1	3-3-3	" Clouds + wind decreasing
[illegible]	1 09W	+46 54	1-2	6.42 A5	3-3-3	"
[illegible]	1 12W	+18 02	1-2	7.00 A8	3-3-3	"
					10/7	
[illegible]	0 46W	+31 05	1-0	6.78 B9	3-3-3	"
[illegible]	1 15W	+33 17	1	7.08 K0	3-3-3	" Light haze

Date 1945 Sunday, October 7-8, H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11561	HD 164898	17 58.3	+45 01	I-25	E-103a-O	008	+16.6	18 ~~25~~ 30	19 30	1		
	180316	19 11.0	+27 46	"	"	"						

Focus set 23.55

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
[illegible]	2 19W	+45 21	1-0	7.44	A0	3-3-3	Binary [Focus not set until 18^{m}. Plate not with 9]
				6.51	B5		Clouded over rapidly and completely at end of first plate.

Date Monday Oct 8-9 Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11562	HD 196133	20 30.3	+44 50	I-25	E102a-0	.08	+11.6	7 33	8 23		
11563	208174	21 49.4	+27 58	"	"	"	+11.7	8 28	9 12		
11564	209513	22 01.0	+46 45	"	"	"					
		Sunday October 9-10 1905					H - cloudy all night				

Focus

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Con-f	REMARKS
	44 W	+45 00	0 --	6.68 A2	3-3-3	Hoz
	19 W	+28 07	0	6.85 A5	3-3-3	" Star gone [illegible] Good
				7.52 K0		

Date 1945 Wed Oct 10-11 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
11564	HD 10548	01 38.2	31 43	I-24	E1030-0	008	+7.7	0025	0128
11565	HD 16855	02 37.1	43 07	"	"	"	+7.0	0136	
	1945 Oct. 11-12 Thu			N-	Clouds and rain				
	1945 Fri Oct 12-13 Hd				Clouds and rain at night				
Saturday October 13-14 1945		Sh. Cloudy all day, clearing toward sunset. Clouds overhead at 18:00, clouded in by 19:00 Still light at 00 50.							
Sunday Oct 14-15 1945		H- Cloudy all night							

Clearing slowly from north
after 23h00

Focus set 23.69

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 50m	31 57	0	7.20 G5	3,3,3	Vis rather poor. Focus set s.t.b.
	W 7h 00m	43 20	0	6.72 A2	3,3,3	Dome turning unreliable ~~Clearing 11.00~~. OK after freeing relays.

Oct 13 [illegible]

M.C.	F.D.	S.T.
−64°	−2° 13'	+2° 7'

	Me	SC	MTW	STW
Oct 15	−67.0	+02 02.0	+06°.0	−0°.4
		Adv 2m added wt 1.5	Adv 1m.	
		+02.0		

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11566	HD 19312	19 11.6	+27 46	I 26	[illegible]	[illegible]	[illegible]	[illegible]			
							[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	1859	1929		
11568	HD 199479	20 52.4	+43 59	"	"	"	+11.4	1932	2012		
11569	HD 205935	21 58.9	+46 23	"	"	"	+11.6	2006	2120		
11570	HD 214946	22 36.7	44 29	"	"	"	+11.5	2124	[illegible]		
11571	HD 14688	22 17.1	+16 25	"	"	"	+10.8	00 09	[illegible]		
11572	HD 15314	02 27.5	+14 36	"	"	"	+11.[illegible]	00 52	01 12		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
				6.57 B	3,	[illegible]
[illegible]	[illegible]	N 37 55	0		3,3,3	Focus out 32.2
[illegible]	W 0 20	N 45 00	1	6.65 A2	3,3,3	
[illegible]	W 0 31	N [illegible] 10	1	6.69 B3	3,3,3	
[illegible]	W 0 48	N 46 38	2	7.57 B8	3,3,3	Clouds 2009-2016, again 2021-2040, again 2052-[illegible]
[illegible]	W 1 01	N [illegible] 47	1	7.18 A2	3,3,3	clouds 2140 Fortunately noted at 2215 Clouds
						Focus set 0.4.6
						Still thick at 2240 Closed up.
[illegible]	E 0 07	N 16 39	0	6.78 A15	3,3,3	Reset temp.
[illegible]	W 0 05	N 14 50	2	6.57 A2	3,3,3	

Date 1945 Wed. ~~Thu.~~ Oct 17-18 HC Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End	Dec
11573	HD 181144	19 14.2	+16 19	I-25	E1034-0	008	+16.0	18 17	19 09	2	119	+
11574	HD 196133	20 30.3	+44 50	"	"	"	+16.0	19 14	19 40	3	136	+
11575	HD 209512	22 01.0	+46 45	"	"	"	+16.0	19 42	20 27	4	119	+
11576	HD 213399	22 25.9	+48 51	"	"	"	+15.9	20 30	21 15	1	117	+
11577	HD 214946	22 36.7	+44 29	"	"	"	+15.9	21 20	21 56	2	[illegible]	+
11578	HD 219634	23 12.2	+61 25	"	"	"	+15.8	22 04	[illegible]	3	[illegible]	+
11579	HD 215073	23 03.3	+72 36	"	"	"	+15.7	22 32	23 24	4	[illegible]	+
11580	HD 2019	[illegible]	+30 47	"	"	"	+15.7	23 21	23 55	1	119	+
11581	HD 14688	02 [illegible]	+41 25	"	"	"	+15.7	23 59	00 35	[illegible]	[illegible]	+
11582	HD 15814	02 [illegible]	+14 36	"	"	"	+15.7	00 29	[illegible]	[illegible]	114	+

Set Focus 23.57

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
W 1 18	+ 16 25	1	7.34 F7	3,3,3	
W 0 36	+ 45 00	2	6.68 A2	3,3,3	
E 0 09	+ 47 00	2	7.52 K0	3,3,3	
W 0 17	+ 49 05	2	7.55 K1	3,3,3	
W 0 44	+ 44 46	2	7.18 A2	3,3,3	Focus test o.t.b. (with hood)
[illegible]	+ 61 35	2	6.47 B4n	3,3,3	
W 0 51	+ 72 53	1-2	7.58 A2	3,3,3	
W 1 01	+ 31 06	1	6.78 F7	3,3,3	
E 0 27	+ 16 40	2	6.78 A1s	3,3,3	l strong
E 0 11	+ 14 50	1	6.57 F8	3,3,3	l "

243

Date 1945 Oct 18-19 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11583	HD 180216	19 11.0	+27 46	1-25	E 103a O	.008	+ 18.8	18 39	19 03	4		
11584	213339	22 25.9	+48 51	"	"	"	+ 18.8	19 ~~44~~ 21	20 13	1		
11585	196133	20 30.3	+44 50	"	"	"	+ 18.8	20 17	20 45	2		
11586	208835	21 53.9	+46 23	"	"	"	+ 18.7	20 49	21 43	3		
11587	209813	22 01.0	+46 45	"	"	"	+ 18.7	21 47	22 37	4		
11588	224801	23 55.7	+44 42	"	"	"	+ 18.7	22 41	23 39	1		
11589	3264	00 30.7	+48 00	"	"	"	+ 18.7	23 03	23 43	2		
11590	14683	02 17.1	+16 25	"	"	"	+ 18.7	23 46	00 10	3		
11591	16382	00 53.0	+46 31	"	"	"	+ 18.7	00 15	00 35	4		
	from [illegible]											

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Focus 23.54±	REMARKS
	1 21 W	+27 33	1	6.51 B5	3-3-3	
	0 44 E	+49 05	1-2	7.55 K1	3-3-3 3-	oct. 5; rect. 8 Reset focus 23.52±
	0 44 W	+44 59	1-2	6.68 A2	3-3-3	
	1 19 W	+46 37	1-2	7.37 B8	3-3-3	light clouds
	2 05 W	+47 00	1	7.52 K0	3-3-3	
	0 32 W	+14 55	1-2	6.25 A0p	3-3-3	
	0 41 W	+48 17	1-2	7.14 B2	3-3-3	cloud bank moving in N.W.
	0 28 E	+16 37	2	6.78 A1s	3-3-3	
	1 11 W	+46 45	2	6.47 B2	3-3-3	light clouds.
					6-7	light clouds scattered over [illegible] of sky. heat on mirror [illegible] of pinD. +4 [illegible]

Date 1945 October 19-20 Friday H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11592	HD 209813	22 01.0	+46 45	I-25	E-103a-O	0.08	+15.6°	22 59	0 19	1	[illegible]	[illegible]
11593	14683	02 17.1	+16 25	"	"	"	+15.5	0 24	1 14	2	[illegible]	[illegible]
	From [illegible] - [illegible]											

Cloudy with stars, wind + rain early evening. Sky cleared briefly around 21 hrs. Then completely cloudy again. Sky clear with stars, W & NW [illegible]

Lowest T 23.57

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	3 52W	+47 01	0	752 K0	3-3-3	Light haze
[illegible]	0 30W	+16 39	0	678 A1	3-3-3	Light clouds, clouds forming thicker
					6-8	+ covering most of sky
						for rest of night.

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11594	HD 196133	[illegible]	[illegible]			[illegible]	[illegible]	19 05	19 39	[illegible]	[illegible]	[illegible]
11595	HD 199479	20 52.4	+43 59				13.8	19 43	[illegible] 13	4	[illegible]	[illegible]
11596	HD 208835	21 59.9	+46 23				13.5	[illegible] 16	[illegible] 05	1	[illegible]	[illegible]
	Focus Test outside through clouds											

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cloud	REMARKS
	$0^h 46^m$ W	[illegible]	[illegible]	[illegible] A.	3-3-3	[illegible]
	$0^h 58^m$ W	+44 12	[illegible]	6.69 B_8	3-3-3	Clouds gone, [illegible]
	$2^h 09^m$ W	+46 38	[illegible]	7.37 B_8	3-3-3	Clouds! after half [illegible] off.
					9-7	
						Still cloudy at 00.30
						Nurna Heat on
						4+6 plates in dome

	MC	S.C.	MTW	STW
Oct. 22	$-70^s.0$	-04.1 removed 0.7 wt.	$-01^s.0$	$-0^m.4$ reset.

Date Mon Oct 22-23/45 Y **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11597	HD 208174	21 49.4	+27 53	I-25	E103a-O	0.08	10.7	8 32	9 12	1		
11598	HD 219675	23 12.6	+17 45	"	"	"	10.5	9 16	10 06	2		
11599	HD 2453	00 23.2	+31 53	"	"	"	10.6	10 10	11 00	3		
11600	HD 2019	00 19.4	+30 49	"	"	"	10.5	11 03	11 43	4		
11601	HD 14688	02 17.1	+16 25	"	"	"	10.5	11 49	0c 39	1		

1945 Oct 25-26 Thursday. N.

H & P Society at Observatory. Rain.

Circuity till about 5' 1 M

Focus 2365'

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
1 07 W	28 06	0	6 85 A5	2-2-2	2 times 0 exp
38 W	18 02	0	7.00 A8	2-2-2	Seeing Better
22 W	32 10	0-1	671 A05	2-2-2	
1 08 W	31 05	0-1	678 B9	2-2-2	
7m W	16 39	0-1	6 78 A1S	2-2-2	Focus test + 07B
				Oct. 24	MC -70s.0 SC -05.2 HTC +07.4 [illegible]
					Watch found run down: set from clocks.
				Oct. 25	+01.2 - 0m.3
					Rest

251

Rain early evening, clearing from 2000

Date Fri Oct 26-27, 1945 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11602	HD 224801	23 55.7	+44 42	I-25	E103a-O	008	+6.0	21 15	22 07	2		
11603	HD 5638	00 53.0	+46 31	"	"	"	+6.0	22 11	23 15	3		
11604	HD 8862	01 22.3	+43 32	"	"	"	+6.0	23 20	23 54	4		
	Focus							~~00 03~~				
11605	HD 14648	02 17.1	+16 25	"	"	"	+6.0	00 02	00 45	1		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	W 0 "	+ 45 "	0	6.25 Hcp	3,3,3	Clouds most of Time
[illegible]	W 0 22	+ 46 47	0	6.47 B2	3,3,3	" " " "
[illegible]	W 031	+ 43 47	1	6.54 B9	3,3,3	Windy - hard to guide
					7-9	outside Plex bars
[illegible]	W 029	+ 16 39		6.78 F5	3,6	Clouds at 0913 Sky clear at by 0045

Date Saturday Oct 27 28 /45 No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	H	Hour Angle End	Dec
11606	H.D. 215566	22 41.0	+44 14	1-25"	E-103a-0	set .008	+07.3°C	20 [illegible]	21 49	2	[illegible]	[illegible]
11607	224801	23 55.7	+49 42	"	"	"	7.1	21 54	22 22	3	[illegible]	[illegible]
11608	2019	00 19.4	+30 49	"	"	"	7.1	22 26	23 06	4	[illegible]	[illegible]
11609	3264	00 33.2	+48 00	"	"	"	7.0	23 10	00 14	1	[illegible]	[illegible]
	Focus test - outside the [illegible] 7" - 6"											

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cond'n.	REMARKS
						Focus at 23.68±
[illegible]	1 13W	+44 29	0-1	7.02 B8	3-3-3	
[illegible]	0 31W	+45 01	1	6.25 A0p	3-3-3	
[illegible]	0 53 W	+31 06	1-2	6.78 B9	3-3-3	
[illegible]	1 49 W	+48 17	1-2	7.14 B2	3-3-3	23 45- cirro-stratus clouds slowly filling
						smoky - stars going 23.58 - 0015

Date Sunday, October 28-29, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11610	HD 180316	19 11.0	+27 46	I-25	E-103a-0	Set 008 M	+8.2	17 51	18 23	2
11611	18:144	19 14.2	+16 19	"	"	"	+8.2	18 26	19 22	3
11612	194133	20 30.3	+44 50	"	"	"	+8.2	19 25	19 59	4
11613	207174	21 49.4	+27 53	"	"	"	+8.3	20 01	20 37	1
	Focus test outside thru base									
11614	209813	22 01.0	+46 45	"	"	" L?	+8.1	20 41	21 37	2
11615	215242	22 38.7	+46 38	"	"	"	+8.1	21 39	22 09	3
11616	219675	23 12.6	+17 45	"	"	"	+8.1	22 12	23 08	4
11617	2019	00 19.4	+30 49	"	"	"	+8.1	23 10	23 56	1
11618	2767	00 26.1	+33 62	"	"	" M ✓	+8.1	23 58	0 42	2
11619	14688	02 17.1	+16 25	"	"	"	+8.2	0 46	1 30	3

Strong SE wind.

Focus set 23.67

Ending Time B.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	1 21 W	+27 53	0	6.51 B6	3-3-3	Light clouds at start, clearing
[illegible]	2 16 W	+16 26	0-1	7.34 F7	3-3-3	very good
[illegible]	1 38 W	+45 02	0	6.68 A2	3-3-3	Light clouds.
[illegible]	0 56 W	+28 07	0-1	6.85 A5	3-3-3	Estimg 3
					7 5/5	" 8
[illegible]	1 45 W	+47 00	0-1	7.52 K0	3-3-3	very good
[illegible]	1 39 W	+46 54	0	6.42 A0	3-3-3	very good
[illegible]	2 04 W	+18 02	0-0	7.00 A8	3-3-3	Image becoming very large + unsteady. good
[illegible]	1 45 W	+31 06	0	6.78 B9	3-3-3	seeing improving a bit.
[illegible]	2 25 W	+33 17	0-1	7.08 K0	3-3-3	Light clouds.
[illegible]	1 21 W	+11 38	1	6.78 A1s	3-3-3	Increasing clouds. Star [illegible] pos.

Date Tuesday October 30-31, 1945 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11620	HD 193289	20 14.7	+14 04	I-25	Eastman 20	[illegible]	+9.0	18 00	18 58	[illegible]	[illegible]
11621	[illegible] 203174	21 49.4	+27 53	"	"	"	+9.0	19 03	20 18	[illegible]	[illegible]
	Jones.										

Left focus at 23.67

Evening Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	W 1 00	+14 12	0	6.81 A05	3,3,3 Took following star off pair. Clouds.
	W 0 40	+28 07	0	6.85 A5	3,3,3 Very poor vis: Star almost gone at end.
	Outside three base				10-7

	MTW	STW
Oct. 31	+22^s.6	+0^m.0

Date Wed Oct 31 - Nov 1, 1945 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11622	HD 193349	20 14.7	+14 04	I-25	E 1039-0	008	+9.1	17 47	18 27	2	0 32	+
11623	HD 199140	20 50.1	+28 08	"	"	"	+9.1	18 30	18 52	3	0 22	+
11624	HD 208174	21 49.4	+27 53	"	"	"	+9.1	18 55	19 35	4	0 06	+
11625	HD 209295	21 56.5	+31 03	"	"	"	+9.1	19 ~~38~~ 47	20 57	1	1 21	+
11626	HD 221114	23 24.1	+15 28	"	"	"	+9.0	21 00	21 50	2	0 46	+
	Focus.											
	Sunday	1945	Nov 1-2	N		Cloudy - Lightning						

Left focus at 23:67.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
18 27 2	W 0 32	+ 14 12	0	6.81 A0s	3,3,3	
1852 2	W. 0 22	+ 28 21	0	6.20 B2s	3,3,3	
1935 4	W 0 06	+ 28 07	0	6.85 A5	3,3,3,	
2057 1	W 1 21	+ 31 ~~14~~ 19	0	7.47 B9n	3,3,3	set on wrong star at first.
2150 2	W 0 46	+ 15 44	0	7.04 A2	3,3,3	
	outside thin	bare			10-7	Suddenly thick at 2200. Breaking at 2300 but thick again at 2320.

Date Friday November 2-3, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
						Set					
11627	HD 180316	19 11.0	+27 46	I-25	E-103a-O	008	+12.9	17 41	18 07	3	
11628	196133	20 30.3	+44 50	"	"	"	+12.9	18 10	18 36	4	
11629	189013	19 52.9	+46 50	"	"	"	+13.0	18 33	19 18	1	
	Focus test										

Focus set 23.60

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 25 W	+27 53	1	6.51 B5	3-3-3	A few light clouds.
0 34 W	+45 01	1-2	6.68 A2	3-3-3	Clouds rising slowly in SW
1 54 W	+46 57	1-2	6.90 A4	3-3-3	Clouds much of exposure.
				$10/8^s$	outside two boxes.
					Variable clouds & fog, all evening
					Stars 22^{30} - 23^{15}

Date Saturday Nov 3-4 1945 D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11630	HD 191194	19 14.2	+16 19		103a-F	Set 1008	+07.2	17 40	[illegible]	[illegible]	[illegible]
11631	HD 196152	20 30.2	+4 50				+06.9	19 19	[illegible]	[illegible]	[illegible]
11632	HD 209835	21 53.9	+40 23				+06.8	[illegible]	[illegible]	[illegible]	[illegible]
11633	HD 215242	22 38.7	+46 38				+07.0	20 58	21 14	[illegible]	[illegible]
11634	HD 224991	23 57.7	+44 42				+07.1	[illegible]	[illegible]	[illegible]	[illegible]
11635	HD 225093	23 59.3	+72 36				+07.0	21 41	[illegible]	76	[illegible]
11636	HD 5638	00 53.0	+46 31				+06.9	22 36	[illegible]	3	[illegible]
11637	HD 3962	01 22.2	+43 32				+07.0	23 02	[illegible]	[illegible]	[illegible]
	Focus Test	outside	the class								
11638	HD 14588	02 17.1	+16 25				+06.8	23 17	[illegible] 57	[illegible]	[illegible]
11639	HD 16814	02 27.5	+14 36				+06.8	00 11	[illegible] 57	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	Focus Set 23.67 REMARKS
	2h 02m W	+16 25	0	7.34 F7	3-3-3	Mag.
	1h 49m W	+15 02	1	6.48 A2	3-3-3	Trouble with the last motion [illegible] [illegible] close Hyad. [illegible] Hydra
	1h 37m W	+46 29	1	7.37 B2	3-3-3	Clouds [illegible] for 10 min
	1h 05m W	+36 [illegible]	1+	6.42 A0	3-3-3	
	0h 16m W	+45 10	1+	6.25 A0p	3-3-3	
	0h 06m W	+72 55	1+	7.[illegible] A2	3-3-3	
	0h 31m W	+46 47	1	6.47 B2	3-3-3	
	0h 16m W	+43 48	1+	6.[illegible] B9	3-3-3	
					10-8	
	0h 32m W	+16 40	0	6.[illegible] A2	3-3-3	
	0h 45m W	+14 49	0	6.57 F8	3-3-3	
						6-3 hunter in dome

Date Sunday, November 4-5, 1945 14 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11640	HD 196133	20 30.3	+44 50	I-25	E-103a-O	008	+3.1	17 58	18 34	4		
11641	189013	19 52.9	+46 50	"	"	"	+3.1	18 36	19 16	1		
11642	199479	20 52.4	+43 59	"	"	"	+3.1	19 20	19 56	2		
11643	208174	21 49.4	+27 53	"	"	"	+3.0	19 59	20 39	3		
11644	213389	22 25.9	+48 51	"	"	"	+2.9	20 42	21 48	4		
	From List	outside the Long										
11645	2019	00 19.4	+30 49	"	"	"	+2.9	21 55	22 27	1		
11646	14688	02 17.1	+16 25				+2.9	22 32	23 06	2		
11647	o Cetti	02 14.3	-03 26					23 12	0 24	3		

Partly cloudy much of day. clouds at sunset.

Focus set 23.73

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
0 40 W	+45 02	0-1	6.68 A2	3-3-3	A few light clouds.
2 00 W	+46 58	0-1	6.90 A4	3-3-3	Light clouds. Stellar in ?
1 41 W	+44 12	0-1	6.69 B8	3-3-3	Light clouds.
1 26 W	+28 07	0-1	6.85 A5	3-3-3	[Plateholder hard to get out]
1 58 W	+49 06	0-1	7.55 K1	3-3-3	
				8s/6s	West filling in solid
0 45 W	+31 07	1	6.78 B9	3-3-3	
0 35 E	+16 29	0-1	6.78 A15	3-3-3	
0 47 W	-03 12	0-1	6.77 M	3-3-3	Clouds slowly after sunset (33 [illegible]); 0h24m — [illegible]
					1 + 12 plates in dew
					MC -71 E; SC +01.7; NTW -1s.8 (sec/min); ST -0s.7

Date Monday 5-6/45 R&Y Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	D
11648	HD 196133	20 30.3	+44 50	I-25"	E103a-O	008	+3.3	6 22	6 58	4	[illegible]	[illegible]
11649	199479	20 52.4	+43 54	"	"	"	+3.5°	7 03	7 35	1	[illegible]	[illegible]
11650	209813	22 01.0	+46 45	"	"	"	+3.5°	7 40	8 40	2	[illegible]	[illegible]
11651	215242	22 38.7	46 38	"	"	"	+3.5°	8 44	9 06	3	[illegible]	[illegible]
11652	224801	23 55.7	44 52	"	"	"	+3.6	9 10	9 30	4	[illegible]	[illegible]
11653	2019	00 19.4	30 49	"	"	"	+3.6	9 35	10 05	1	[illegible]	[illegible]
11654	2453	00 23.2	31 53	"	"	"	+3.6	10 08	10 38	2	[illegible]	[illegible]
11655	2767	00 26.1	33 02	"	"	"	+3.5°	10 42	11 12	3	[illegible]	[illegible]
11656	14688	02 17.1	16 25	"	"	"	+3.6	11 17	11 47	4	[illegible]	[illegible]

Focus unchanged

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
[illegible]	1 08 W	+45 00	0	6.68 A2	2-2-2	
[illegible]	1 23 W	+44 11	0-1	6.69 B8	2-2-2	
[illegible]	1 19 W	+47 01	0-1	7.52 K0	2-2-2	
[illegible]	1 07 W	+46 56!	0-1	6.42 A0	2-2-2	
[illegible]	0 14m W	+44 59	0-1	6.25 A0	2-2-2	
[illegible]	0 24 W	+31 05	0-1	6.78 B9	2-2-2	
[illegible]	0 53 W	+32 10	1-0	6.71 A0	2-2-2	
[illegible]	1 25 W	+33 18	0/1	7.08 K0	2-2-2	
[illegible]	10m W	+16 38	1	6.78 A1	2-2-2	

4 plates in dome

Date Tuesday November 6-7, 1945 H **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	De
11657	HD 2767	00 26.1	+33 02	I-25	E-1030	Cat 008	+9.3	22 38	23 18	1		
11658	14688	02 17.1	+16 25	"	"	"	+9.3	23 23	23 43	2		

1945 Thursday November 8-9 N

Cloudy; but transmitted at 0:30 found watch stopped

Friday Nov. 9-10

cloudy - thinning at Times.

Clear all day. Clouding over just before dark.
Clouds breaking away 21h30m — clear.

Frame set 23.65

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 36 N	+33 18	0-1	7.08 KO	3-3-3	Superior transparency.
		+16 39	1	6.78 A1S	3-3	Filling in rapidly from NW 23h33m —
						Thick by 23h4m E
						Trouble with dome turning — everything wet on ground floor — fine out on
						turning floor — not dry.
	Rest from clouds		Approx. correction :			HTW -01s STW -02s

Date Saturday November 10-11/45 **No.** **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11659	HD 196133	20 30 3	+44 59	1-25-4	E-103a-O	.008	+04.7 °C	20 52	21 48		
11660	209513	22 01.0	+46 45	"	"	"	4.6	21 54	[illegible]		
11661	213283	22 27.8	+48 51	"	"	"	4.4	23 04	[illegible]		
11662	27483	04 18.2	+13 38	"	"	"	4.6	00 35	[illegible]		
	Same Tube - outside time Exp. 7s-6s										
11663	36483	05 26.7	+32 44	"	"	"	4.5	01 18	[illegible]		
11664	47335	06 33.3	+28 21	"	"	"	4.6	02 07	[illegible]		

Sunday Nov 11-12, 1945 H - Clouds all [illegible]

Tues Nov 13-14 Hd Cloudy

Thu. 1945 Nov. 15-16 Clear most of day; clouding [illegible]

Fri Nov 16-17 Hd cloudy with rain.

Hour Angle End	Declination	Seeing	Ptg. Mag.		Comp.	REMARKS
						Flows est. ≈3.71±
4 18W	+45 01	0-1	6.68	A2	3-3-3	
4 00W	+47 00	1-2	7.52	K0	3-3-3	R.A clamp worked by hand.!
5 03W	+49 06	1	7.55	K1	3-3-3	" " " " "
0 04E	+13 46	1	6.56	F4	3-3-3	R.A. clamp O.K.
0 33E	+32 48	1-0	6.56	A2	3-3-3	HC36406 on plate in plate
1 04E	+28 19	1	2.82	B7	3-3-3	
						3+12 plate without
	Sky, - overcast clear					
Cement.	clear breaks ~ 23.30					

Date Sunday Nov 18-19, 1945 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T. PM	Hour Angle End
11665	HD 224801	22 55.7	+44 42	I-25	2103a-O	0.8	+6.9	19 43	20 03 1	
11666	45 2133 89	22 25.9	+48 51	"	"	"	+6.8	20 07	(21 16) 2	

Cloudy at sunset – breaking intermittently
Set MTW and STW to clocks without correction

Set focus 23.68

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]	E 0 23	45 00	0	6.25 Hop	2,3,3
[illegible]	W 2 16 *	49 05	0	7.55 K1	3,3,3 Some clouds 2040 – 2055. – call end then * Thick at 2105
					Nov. 19 MCs −69.8 JC −02.2 MTW −08.8 reset STW −0.2 m

Date Tuesday Nov 20-21 Hd — Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	P4	Hour Angle End	De
11667	HD 213359	22 25.9	+48 51	I-25	E1030.0	008	0.0	1908	20 10	3		
11668	221801	23 55.7	+44 42	"	"	"	+0.2	20 35	21 11	4		
11669	5638	00 53.0	+46 31	"	"	"	+0.2	21 16	22 00	1		
11670	10588	01 38.2	+31 43	"	"	"	+0.2	22 05	22 07	2		
11671	15814	02 27.5	+14 36	"	"	"	+0.2	23 13	23 23	3		
	Locus test		outside Kingsley Pass									

Clouds at sunset.

Focus set 23.77

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1 42 W	49 06	0	7.55 K1	3, 3, 3	
[illegible]	+44 39	0	6.25 A0p	3-3-3	[illegible]
0 43 W	+46 47	0	6.47 B2	3-3-3	
1 [illegible] W	+31 56	0	7.20 G5	3-3-3	" "
1 04 W	+14 48	0	6.57 F8	3-3-3	" " halo and [illegible]
				7-6	
					very [illegible]
					3 + 4 [illegible]
					[illegible]

Date Thursday Nov 22-23, 1945 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	P4
11672	HD 15814	02 27.5	+14 36	I-25	E103a-O	008	-1.0 ~~-2.0~~	22 35	23 11	2
11673	HD 26015	04 02.0	+14 54	"	"	"	-1.0	23 14	23 48	1
11674	HD 27483	04 15.2	+13 38	"	"	"	-1.0	23 53	00 29	4
11675	HD 34053	05 09.5	+22 10	"	"	"	-1.0	00 33	~~01 07~~ 01 01	1
	Focus Test.									

clearing from 2100
Set focus 23.80.

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
W 0 30	+ 14 49	0	6.57 F8	3,3,3,
E 0 28	15 02	0	6.28 F2	3,3,3
W 0 01	13 47	0	6.56 F4	3,3,3
E 0 20	22 14	0	6.22 A2	3,3,3
outmate thro		bare		10-7

Date Friday Nov 23-24 1945 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11676	HD 222207	2333.5	+41 57	I-25	E103a-O	cut 008	-1.7 -2.7	19 39	20 ~~42~~ 25	2
11677	HD 224801	23 55.7	+44 42	"	"	"	-1.8 -2.8	20 29	20 53	3
11678	HD 3264	00 30.7	+48 00	"	"	"	-1.8 -2.8	20 58	21 50	4
11679	HD 15314	02 21.5	+14 36	"	"	"	-2.7	21 57	22 23	1
11680	HD 15138	02 21.2	+50 07	"	"	"	-2.8	22 29	23 16	2

Focus Test

Saturday Nov. 24-25 /45 No

Light snow during early evening (9:30 P.M.). Clear somewhat at 11:12, but only three magnitudes visible thru thickening cirro-stratus clouds. Sky still very poor 12:30.

Left focus at 23.80

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
W 041	42 15	0	6.77 B9	3,3,3,
W 048	44 59	0-1	6.25 A0	3,3,3,
W 1 10	48 17	0	7.14 B2	3,3,3,
E 0 14	14 50	1	6.57 F8	3,3,
W 0 45	50 22	2	6.61 F2	3,3,3 clouds at 2232-2246 Call start 2246
outside thro	base.			75 clouds again 2320 — Thick.

	MC	SC	HTW	STW
Hour 26	-67.2	-06.3	-07	-07

Date Monday Nov. 26-27 1945, L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11681	HD. 5638	00 53.0	46 31	I - 25	E-103A-O	.008	+0.3	20 50	21 12 3	[illegible]	[illegible]
11682	" 8862	01 22.3	43 32	"	"	"	+0.2	21 25	21 55 4	[illegible]	[illegible]
11683	" 10588	01 38.2	31 43	"	"	"	+0.2	22 01	22 39 1	[illegible]	[illegible]
11684	" 15814	02 27.5	14 36	"	"	"	+0.2	22 46	23 04 2	[illegible]	[illegible]
	Focus Check					Outside through Case					

Set focus at 23.77

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Partly cloudy at sunset, clear at 18.45 openned up, sky clouded over again, repaired rheostat in finder, sky clearing
2 [illegible] 3	0.21 W	46 47	1	6.47 B2	3, 3, 3
2 55 4	0 35 W	43 47	1	6.54 B9	3, 3, 3 9-age
3 35 1	1 04 W	31 57	1-2	7.20 G5	3, 3, 3
3 14 2	0 40 W	14 50	1-2	6.57 F8	3, 3, 3
					10, 7 Light clouds
					Stopped clock at 4 off but took a nap, sky quite cloudy at 5.30, not able to get Miss Northcotts Binary.
					Nov. 28 MC +66s SC -08s MTW +10s STW 0m2

Date Friday, Nov. 30 - Dec. 1, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
11685	HD 196138	20 30.3	+44 50	I-25	E-103-a	cut 008	-0.9	17 18	17 54	2
11686	209818	22 01.0	+46 45	"	"	"	-0.9	17 56	18 56	4
11687	210334	22 04.6	+45 15	"	"	"	-0.9	18 58	19 23	1
11688	222207	23 33.5	+41 57	"	"	"	-0.7	19 41	20 17	2
11689	2019	00 19.4	+30 49	"	"	"	-1.0	20 20	20 54	3
11690	2767	00 26.1	+33 03	"	"	"	-0.9	20 56	21 30	4
11691	0 Cit	02 14.2	-23 26	"	"	"	-1.0	21 37	22 37	1
	Home test		Test the bar							
11692	HD 27483	04 15.2	+13 38	"	"	"	-1.0	22 43	22 69	2
11693	23626	03 41.5	+31 54	"	"	"	-1.0	23 12	23 36	3
11694	23838	03 43.1	+44 40	"	"	"	-1.0	23 39	0 3	4
11695	29104	04 29.8	+19 41	"	"	"	-1.0	0 08	0 [illegible]	1
	0 Cit	19 51	03 [illegible]	-[illegible]						

Focus out 23.78

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	1 42 W	+45 01	0	6.68 A2	3-3-3	a few light clouds.
[illegible]	1 14 W	+47 01	0-1	7.52 K0	3-3-3	
[illegible]	1 52 W	+45 31	0-1	7.10 G5	3-3-3	
[illegible]	1 22 W	+42 14	0-1	6.77 B9	3-3-3	Light cirrus clouds.
[illegible]	0 53 W	+31 06	1	6.78 B9	3-3-3	
[illegible]	1 22 W	+33 18	1-2	7.08 K0	3-3-3	Light clouds.
[illegible]	0 42 W	-03 12	0-1	5.6 ?M	3-3-3	Trouble with dome turning
						Sky filling in just after first few minutes of the exposure, stars barely visible at end of exposure.
[illegible]	0 48 E	+13 48	1-2	6.56 F4	3-3-3	Clouds.
[illegible]	0 12 W	+32 34	1-2	6.65 F6	3-3-3	
[illegible]	0 39 W	+44 31	1-2	6.57 G0	3-3-3	
[illegible]	0 33 W	+19 48	1-2	7.06 F8	3-3-3	
						2 plates in dome.

Date Last Dec 1-2 1945 D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11696	HD 196135	20 30.5	+44 59		E 117-0	Set 20.5	+02.5	17 33	18 11		
11697	HD 209913	22 01.0	+46 45				+02.5	18 14	19 14		
11698	HD 213389	22 29.9	+48 61				+02.0	19 18	20 14		
11699	HD 224991	23 55.7	+44 42				+01.0	20 19	20 41		
11700	HD 3269	00 30.7	+48 00				+00.5	20 44	21 [illegible]		
11701	HD 8862	01 22.3	+43 47				+00.4	21 29	21 [illegible]		
11702	HD 14698	2 17.1	+16 25				-0.5 (-0.9)	21 59	22 [illegible]		
	From List										

Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	Focus set 23.74	REMARKS
02h 0m W	+47 01	0 –	6.69 A_2	3-3-3		
02h 6m W	+47 01	0-1	7.52 K_6	3-3-3		
02h 11m W	+47 07	1	7.55 K_1	3-3-3		Spectrograph heat not coming on properly
02h 17m W	+46 59	1+	6.25 Ap	3-3-3		
02h 16m W	+43 18	1+	7.14 B_2	3-3-3		
02h 57m W	+43 48	1-2	6.54 B_9	3-3-3	Focus heat 23.77	Spectrograph seems to be working.
03h 7m W	+16 40	1-2	6.78 A_5	3-3-3		Spectrograph misbehaving again; heat not coming on at all; stopping it
				9-7		
						4+4 plates in dome; heat on
					Watch reset	
					Dec. 3	MC -62°.9 SC -10.0 MTW -07.2 STW +03.8 or +0.1

Date Monday Dec 3-4/1945 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
11703	HD. 10588	01 38.2	31 43	I · 25	E-103a-O	Set .008	+1.2	21 18	22 10 1	02 W 3
	Focus Check			Outside		through Lense				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Focus set at 23.75
					Cloudy at sunset, breaking around 7.
					stars showing, clear at 8.30.
22 [illegible]	1.02 W	31 56	O	7.20 G5	3-3-3 Clouds, more clouds, sky [illegible]
					10-7 at 2210

Date Tuesday Dec 4 5/45 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	De
11704	HD 213380	22 25.9	48 51	I-25	F-103a O	Set 008	+0.1	18 20	19 10 2	18 W	4
11705	" 2767	00 26.1	33 02	"	"	"	+0.1	19 48	20 28 3	[illegible] W	3
11706	" 15814	02 27.5	14 36	"	"	"	+0.1	21 24	22 00 4	[illegible] W	19

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Focus fd at 23.77
					Clear all afternoon, clouds just after sunset.
[illegible]	1 18 W	49 07	0	7.55 K1	3-3-3 Clouds, More clouds Star gone at 1910
[illegible]	0 36 W	33 18	0	7.08 K0	3-3-3 Clouds toward end.
[illegible]	0 06 W	19 50	0	6.57 F8	3-3-3 More Clouds. Star gone at 2200

Date Wed Dec 5-6, 1945 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Angle End	De
11707	HD 14688	02 17.1	+16 25	I·25	E103a-O	008	-0.1	20 29	21 15	1	2 025	+
11708	HD 15138	02 21.2	50 07	"	"	"	0.0	21 22	21 52	2	2 008	
11709	HD 18473N	02 53.1	59 17	"	"	"	-0.1	21 58	23 06	3	4 050	
11710	HD 27483	04 15.2	13 38	"	"	"	0.0	23 12	23 44	4	W006	
	focus test							[illegible]		→	[illegible]	
11711	HD 35238	05 18.2	31 08	"	"	"	-0.2	00 07 ~~23 53~~	01 03	7	1 623	3

Fairly clear in North earlier but bank across zenith - subsiding slowly.

Left focus at 23.77.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21 15	E 0 25	+16 38	0	6.78 A15	3,3,3	Low auroral arch with some
21 52	W 0 08	50 21	0	6.61 F2	3,3,3	streamers at 2000. fainter later
23 06	W 0 50	59 27	0	7.35 A0	3,3,3	
23 44	W 0 06	13 45	0	6.56 F4	3,3,3	
	Outside thro base				10/7	
01 03	W 0 23	31 13	0-1	7.37 K0	3,3,3	Started at setting 5 on wrong star
						corrected with setting 1.
						Clouds coming up at end.

	MC	SC	MTW	STW
Dec 7.	-60.4	-13.1	+08.5 s	+0.5 m

Date Friday December 7-8, 1945 H Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11712	HD 210334	22 04.6	+45 15	I-25	E-103a-O	set 008	+3.4	17 14	17 44	2		
11713	213389	22 25.9	+48 51	"	"	"	+3.4	17 47	18 37	3		
11714	208606	21 52.3	+61 04	"	"	"	+3.4	18 41	19 13	4		
11715	221114	23 24.1	+15 28	"	"	"	+3.5	19 17	19 59	1		
11716	2767	00 26.1	+33 02	"	"	"	+3.4	20 01	20 31	2		
11717	2453	00 23.2	+31 53	"	"	"	+3.5	20 34	21 14	3		
	Focus test - outside the barn											
11718	o Cet	02 14.3	-03 13	"	"	"						

Hd Sat Dec 8-9 Gradually thickening from sunset on. Then reasonably clear at 2000, but, on preparing to open, found water dripping off shutters. Decided against

SW wind; press wet, mirror OK.

Frame set 23.73:

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	0 26 W	+45 30	1-2	7.10 G0	3-3-3	Light haze
[illegible]	0 53 W	+49 07	1-2	7.55 K1	3-3-3	Visible haze - clearing
[illegible]	2 07 W	+61 19	1-2	7.30 K0	3-3-3	
[illegible]	1 21 W	+15 45	1	7.04 A2	3-3-3	Haze
[illegible]	0 50 W	+33 19	1	7.08 K0	3-3-3	
[illegible]	1 37 W	+32 09	1	6.71 A0s	3-3-3	Heavy haze most of afternoon; star frequently invisible.
					$9^s/7^s$	

[illegible]

$0^h 21^{35}$ sky cleared fairly well. Set up mirror, but star invisible just before afternoon to start. Sky completely filled in!!!

4+24 [illegible] time

	MC	SC	MTW	STW
Dec. 10	-58.9	-16.4	$+02^s.8$	$+0^m.1$
			reset	

Date Mon Dec 10-11, 1945 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End	Dec
11718	HD. 23626	03 41.5	31 54	T-25	F-103a-O	set .008	-3.0	22 20	23 00 1		
11719	" 29104	04 29.8	19 41	"	"	"	-3.0	23 05	00 01 2		
	Focus Check				Outside through base						

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Cloudy at sunset, breaking occasionally seemly clear at 21.30 a few clouds later
21 [illegible]	0 15 W	32 05	0	6.65 F6	3-3-3 Seeing very poor
[illegible]	0 29 W	19 48	0	7.06 F8	3-3-3
					10-7
					Dec 12 MC −57.4 SC −18.1 MTW +07.0 STW +0.1

Date Wed. Dec 12-13 1945 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11720	HD. 196133	20 30.3	44 50	I-25	E-103a-O	Set 008	-7.1	17 35	18 15	3	2.51W	4
11721	" 222207	23 33.5	41 57	"	"	"	-7.1	18 20	19 06	4	.5W	4
11722	" 3264	00 30.7	48 00	"	"	"	-7.2	19 12	20 12	1	2.97W	4
11723	" 10588	01 38.2	31 43	"	"	"	-7.1	20 17	21 19	2	1.46W	31
11724	" 16855	02 37.1	43 07	"	"	"	-7.2	21 27	22 07	3	1.35W	43
	Focus Test				Outside through base							
11725	" 23626	03 41.5	31 54	"	"	"	-7.2	22 16	22 56	4	2.0W	32

Focus set at 23.85

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
19 15 3	2 51 W	45.02	0	6.68 A2	3-3-3
19 46 4	0 39 W	42 14	0	6.77 B9	3-3-3
20 12 1	0 47 W	48 18	0+	7.14 B2	3-3-3
21 19 2	0 46 W	31 58	0	7.20 G5	3-3-3 Light clouds
22 07 3	0 35 W	43 21	0+	6.72 A2	3-3-3
					10-7
22 56 4	0 20 W	32 04	0	6.65 F6	3-3-3 Light clouds. More clouds. Stay filling in.

Date Sat. Dec 15-16, 1945 Hd Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.		Hour Angle End	Dec
11726	HD 14688	02 17.1	+16 25	25	2.0-0	008	-4.5 -4.9	21 51	[illegible]	1	[illegible]	[illegible]
11727	HD 29 104	04 29.8	19 41	"	"	"	-4.9	22 50	23 42	2	[illegible]	[illegible]
11728	HD 35189	05 18.8	16 36	"	"	"	-4.9	23 47	[illegible] 07	3	[illegible]	[illegible]
	Focus Test											
11729	HD 36484	05 26.1	32 44	"	"	"	-4.9	00 17	00 31	4	[illegible]	[illegible]

Mostly cloudy earlier with a few breaks
Set focus 23.52.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 1 44	+16 40	0	6.78 A1 5	3,3,3,	Some trouble with dome turning
	1 0 30	19 48	0	7.06 F8	3,3,3	and dec setting.
	1 0 06	16 40	0	6.15 A1 5	3,3,3	
		outside the				
	1 0 42	32 46	0	6.56 F2	3,3,3	Dome Temp +10

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17 [illegible]	18 [illegible] 58
11721	222207	22 33.5	+41 57	"		"	-11.3	19 08	19 (58)

[illegible] From Lat 23.39

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 15 W	+45 31	0	7.0 E0	3-3-3	Light clouds Exp 2 x [illegible]
1 47 W	+42 14	0	6.77 39	3-3-3	Clouds delayed start. Increasing wind [illegible] it took to fold [illegible] in field.
					Clouded over towards end, and wind moved so much that, on moving down to south to close up, wind would very soon get [illegible] plane [illegible] it off.
					Wind shifted to South of east, apparently from off the platform, to main light [illegible] later, should [illegible] found up in first place.
					Dec. 17 MC −54.2 SC −24.8 MTW +23.8s STW +0.4m

? 303

Date..... Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Ending Time
E.S.T.

305