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1
For G40. If c to vi, then decrease the reading } make setting
" " " red " increase the reading } with number
increasing

ting
able
ins

2

30
300 30

3

Dome Temp

Focus

Dome Temp

Hour Angle
End

Transparency Conditions 100

Room Temp.

[illegible]

5.

Visitors

visitors Go Re(Hg) W S + Alhiseo

五

Date Sept 24 / Sept / Sun

Observer

Hr / wd
Re / li

Julian Day

[illegible]

Dome Temp. 47°

Focus 44.8

Dome Temp.

Transparency Conditions Fast Moving clouds

Very clear in between

Very windy

6

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
0017E	-7°07'	1	6.28	B9	10/10/10	B8-B9 field checked	800/60 fine
0005E	+54°11'	1-2	6.03	B8	10/10/10	B8-B9	800/60 plain fogged
0004W	+59°38'		6.36	B9	10/10/10	B8-B9 clouds field checked	800/60 strong
0045E	+59°51'		6.37	B8	10/10/10	B8-B9 field checked	800/60 fine
0216E			6.4	B8	10/10/10	B8-B9	800/60 light clouds fine
0031E	+61°08'	1-2	5.85	B9	10/10/10	B8-B9 dze	800/65 very windy light clouds
0044E	+53°51'	2	5.7	B9	10/10/10	B8-B9	800/60 strong
0156W		2	4.65	A3	10/10/10	ASF old vel  hand guided	800/50 strong
0144E	+60°53'	1	6.6	B8	10/10/10	B8-B9 SB	800/62 strong
0140E	+50°38'	1	5.6	B9	10/10/10	B8-B9 SB	800/60 strong
0102W		1	9.5	G5e	10/19	Dust Re	800/60 weak

at 5:00 ^{AM} PM EST noticed something peculiar
 haze not moving } 10° directly south of Sirius. White haze (circular), watched
 - remained same } for awhile - then there was a flash and a ball of light first red then
 place above } green as it grew appeared 10 below the haze - haze from this outburst was
 administration }
 buildings }
 heard drop in shape and lasted till we closed up.

Date Sept. 25/26, 1964 Sun/Mon Observer Mel Eg ^{MS} ^{in sc} _{2nd} Julian Day

[illegible]

Dome Temp.

Transparency Conditions

Transparency Conditions Good - cloud in north and north-west at start of evening
0:30 - Clouds in S & N.

[illegible]

Date 26/27 Sept Mon/Tues Observer ^{Un}_{Re} mel ^{-(Hr)}_{-Cn} Julian Day

[illegible]

Dome Temp. 47°Focus 45/44.5

Dome Temp.

Transparency Conditions

GoodCloud in south all night

10

03^h cirrus up nearly to zenith
0330 L. " over entire skying Time
E.S.T.

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Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

00	A	00 05E	+57 16	1	9.58	B1Vipe	10/10/10	Cu Be	Trans 44.5	800/50	slightly foggy
45	C	00 36E	+62 24	1-2	8.72	B2(V)c	10/10/10	Cu Be		800/60	fine
00	A	00 47E	+53 14	1-2	8.55	B1Vpane	10/10/10	Cu Be		800/60	fine
57	B	01 38E	+37 57	2	9.28	B3Vipe	10/10/10	Cu Be		800/60	fine
00	C	01 21E	+23 23	2	8.93	B2 III:c	10/10/10	Cu Be	04:30 thick cirrus	800/40	sl weak gonding

Cloud up 25^h

~515 Visitors (Grade 13) — Lecture by Hb.

11

Date Tues Sept 27-28/66 Observer Hb - Ea / m.se Julian Day 244

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour An End
29884	HD 177817	19 01.1	-16 23	G40	IIaOb	13		20 25	20 35		
29885	+2° 3771	18 59.2	+2° 58	-	-	17	50°	20 50	22 55		
29886	HD 16219	2 31.1	39 27	G40	IIaOb	17XL	47°F	1 53	01 59	B	E0
29887	HD 25292	3 56.1	53 00	G40	IIaOb	17norm	47	02 11	02 33	C	E1
29888	HD 21933	3 27.1	+9 02	G40	IIaOb	17XL	47	02 41	02 46	A	E0
29889	HD 23258	3 38.6	+20 37	G40	IIaOb	17XL	47	02 49	02 53	B	E0
29890	HD 33461	5 05.3	41 06	G40	IIaOb	17norm	47	02 59	03 23	C	E1
29891	HD 37318	5 32.6	28 24	G40	IIaOb	17	47	03 39	03 03	A	E1
29892	BD +23° 1148	5 53.0	23 20	G40	IIaOb	17	47	04 09	04 49	B	E1
29893	HD 66351	7 58.0	-6 03	G40	IIaOb	13	47	04 56	05 25	C	E2
29893T	Calibration	Star, Wedge	for plates		29884-93						
93F1	Focus	Hilger Spectra		I-25	OTB		9°C			2	

Dome Temp.

52°

Focus

Dome Temp.

47°F

Transparency Conditions

Very hazy - cloudy at
sunset but cleared
clearing again ~ 0100 - fair - good

12

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
01 43W	—	0	5.88	B8	10/10/10	for 446 B8-B9	light streaks
04 21W	—	0-1+	9.2	B0 III	10/10/	45 Db-OB Programme #15 (Hm - firing for 10-15 min) Note - plate may be in backwards in plate box	fine slightly fine foam
						Closed up after exposure cloudy - also Frank He came in to fix Exposure plate	
01 27 39	46	0	6.35	B8	30	B8-B9 (d.e)	500/70 good exposure focusing
01 20 53	12	0	8.1	F8	10-10-10	C	500/60 fine
01 36 + 9	18	0-1	5.59	B8	30	B8-B9	500/70 fine
01 40 + 20	52	0-1	6.01	B9	30	B8-B9	500/70 fine
01 39 41	13	0-1	8.05	B2.2	10-10-10	Gr-BE (#12)	500/60 fine
01 25 28	27	0-1	8.84	B0.5E	10-10-10	Gr-BE (#13)	500/60 fine excellent found an area of light streaks
01 01 23	22	0-1/2	8.93	B2.2	10-10-10	Gr-BE (#17) cirrus 04:33	500/60 fine
01 21 -6	12	0	7.78	K0	10-10-10		500/54 fine
ret 1	15.35						
" 6	15.15						
" 9	14.95						
					10/7		
						Closed up - cloudy	
						PLEASE CHECK FINDER FIELD OF #29893	

Fri Sept 30/Oct 1

Date Wed Sept 28-29/66 Observer ¹⁴⁶di ^{DB}(SD) Julian Day

[illegible]

Dome Temp.

Transparency Conditions

scattered clouds
completely cloudy in
South to ~45°
THREAT OF RAIN

14

Mag Time S.T.	PH	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
49	A	1 17 W	-59 27	0	7.0	Bone	040 12-20 5-5-5 ⁶¹⁰ (44.2)	light inter. clouds during exposure 800/15 fogged good exposure slight to do not in rock at contact not in violet.	
Fast clouds moved in from SW!!									

~ 180 Vistors - looked at Saturn (rings very thin & bright)
 Showed slides in dome.

Date October 2/3 Sat/Sun. Observer ^{Hn.} ai - cn Julian Day

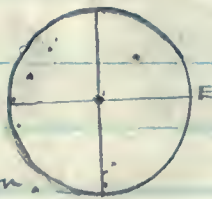
[illegible]

Dome Temp.

Transparency Conditions Excellent!

16

01:30 cloud coming ^{moon just past full} in from west.
01:45 CLOUDS.

g Time S.T.	PH	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
02	A	01 00 W	+17° 06'	0	8.5	G8	12-12-12	STD: VEL. PROGRAM Note finder field as observed: Star has faint visual companion.	800/80 fine
									
29	B	02-01 W	+62 00	1	10.03	B2 pe	12-12-12	On Be field OK	800/50 fine
05	C	02 23 E	+53 13	1	8.53	B1 Epme	12-12-12	On Be	800/50 fine
45	F	03 27 E	+28 27	1	8.84	B0.5 e12	12-12-12	On Be	800/50 fine
21	B	03 24 E	+08 45	0	8.22	B3 e12	12-24	On Be l. cloud.	800/50 fine
								Cloud up 02 30 Where is finder says?	

Dome Temp. 48

Focus 44.5

Dome Temp.

Transparency Conditions

Clouds in SW horizons

18

Clouded over completely then
cleared up ~1930 EST. Photodrive 23h.ing Time
EST.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
51 C	2 34 W	-9 17	0-1 1-2	9.0	09I	10-13/13	(44.2) DB-OB Programme #10 CAPPED AT 1915 WITH H-COUNTS RE-OPENED 1928	foggy good
41 R	4 09 W	+3 06	2	9.2	30TH	12-12-12	DB-OB PROG. #15 CLOUDS (some dots in can show 800/60 headlights into blue) 4.63 9.91-10.84 163 9.91-10.84 163 9.91-10.84	800/43 focusing good off-axis focusing good off-axis focusing
59 A	01 12 W	-	2	6.4	B8	12-12-12	B8-B9 Sp Bin. Foc!	400/31 focusing
12 C	03.06 W	-	2	6.39	B9	12-12-12	B8-B9	800/60 focusing
43 A	00 10 W	+56 21	2	7.6	B1e	12-12-12	Had Be Trouble in locating star. OK now. Field checks	800/50 focusing
					(3)	10/1 G10 5/5/6	Clouds. Thinner plate away	800/502 O.K.
	3rd order 20						Closed up 0030	
							found spider cap	
	Focus is 81 (black, numbers increasing)					no filter 5/5 5/8 40s	Centre of plate was A 4600 moved W side of grating 2 1/2 turns toward plateholder → centre 4300 A G10 filter	focus good "

19

Date Oct 4/5 1966 Tue Wed. Observer

[McI]

Msc

Pl

[Rc]

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
29905	HD10497	01 37.3	+52°23'	G40	HcO	13	-	00:00	00:09	B
29906	"	"	"	"	"	"		00:10	00:17	C
29907	HD12953	02 01.7	+57°57'	"	"	"		00:20	00:29	B
29908	"	"	"	"	"	"		00:35	00:37	C
29909	HD2054	00 19.6	52°30'	G40	IIaO	17xL		00:45	00:49	A
29910	HD10362	01 36.2	+60°55'	"	IIaOb	"		00:53	00:58	B
29911	HD9138	01 24.9	+05°38'	"	"	13mm		01 08	01 18	C
29912	HD21933	3 27.1	+9°21'	"	"	17xL		01 33	01 38	A
29913	HD23258	3 38.6	+20°37'	"	"	"		01 43	01 52	B
29914	HD23552	3 41.0	50°26'	"	"	"		02 00	02 06	C
29915	HD23594	3 41.3	56°49'	"	"	"		02 13	02 21	A
29916	HD23662	3 41.8	68°12'	"	"	"		02 28	02 35	B
29917	HD24769	3 51.2	22°54'	"	"	"	49	02 41	02 47	C

*Sanborn's pogo - to remove some steel water sitting on the catwalk
behind the N. Pier. and they have been flipped down in turning
the dome! One more time! The old spectrograph has been lucky!

Dome Temp. 52

Focus

Dome Temp.

Transparency Conditions intermittent clouds after 0.00

20

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
00 56 E	+52° 44'	0	6.8	F5 Ia	610 7	MK STANDARDS 1/2 Univ. 400/25	fine
00 48 E	"	"	"	"	7	" " " " 1/4 Normal 400/12	fine
01 06 E	+58° 17'	"	6.6	A1 Ia	7	" " " " 1/2 Normal 400/15	sl. weak
00 58 E	"	"	"	"	7	" " " " 2/3 Normal 400/8	sl. weak
01 02 W	+52° 51'	1	5.7	B9	40	B8 B9 400/40	fine
00 05 E	61° 15'	1	6.4	B8	40	B8-B9 400/35	fine
00 27 W	+6° 00'	0	6.2	K4	12/12/12	Std Vel ← waiting for clouds to pass. 400/60	fine
01 15	+9° 18'	0-1	5.59	B8	40	B8-B9 400/35	fine
E01 14	+20 52	0-1	6.01	B9	40	B8-B9 400/35	fine
E01 03	+50° 40'	0	5.87	B8	40	B8-B9 800/70	sl. strong
E0 50	57 03	0	6.46	B9	40	B8-B9 800/70	sl. strong
E0 37	68 25	0	6.28	B8	40	B8-B9 800/70	sl. strong
E0 31	23 07	0	5.96	B9	40	B8-B9 800/70	fine

21.

Date Wed Oct 5 (cont'd) Observer R. J. M. S. E. Julian Day 2454858.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	18.	How
29918	HD 25152	3 54.7	36 44	G40	Ilabk	17XL	49	02 53	02 59	A	100
29919	HD 21026	4 11.2	41 54	G40	Ilabk	"		03 04	03 11	B	EO
29920	HD 25475	4 24.2	10 18	"	"	"		03 16	03 31	C	EO
29921	HD 28459	4 24.2	32 14	"	"	"		03 35	3 54	A	100
29921 F	from test in in/out out			"	"	13	47			B	
29921 T ₁	Calibration Step Wedge for plates							29905-207			
29921 T ₂	"							29910-21			

Dome Temp. 47° F

Transparency Conditions *partly cloudy*

22

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
259	100 23E	37° 57'	0	6.31	B9	40	Bf-B9 800/70	plate fogged fine
3 11 3	EO 29	42° 05'	0-1	6.07	B8	40	Bf-B9 800/70	fine
3 31 0	EO 20	10° 27'	0-1	6.5	B9	40	B8-B9 800/70	fine
54.4	W 0 02	32 25		6.17	B9	40	Bf-B9 <u>clouds</u> 800/70	strong
B						5/5	Gr 10 filters	skew to violet
							Give 800/60 for B8-B9 stars	

23

Date 5-6-68/66

Wed. T. Luss

Observer

(Hd, etc)
Db / H3
Ri

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
29922	HD 198183	20 435 36	07	G12	Daob	9		19 04	19 11	C
29922F	G12 FOCUS TEST			"	"	"	40 ⁰ F			A
29923	HD 2054	00^h 19.6	+52° 30'	G40	Daob	17				A
29924	HD 10362	01 36.2	+60 55							

Dome Temp. 44°F

Focus

Dome Temp.

Transparency Conditions 0030 - fair
0035 - overcast

24

g Time S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
	C	00 53 E		1	4.5	B6C	40	Had BE clouds at sens 100 white had 14 counts of rain (about = 7 min 5-5/pro filter)	100/14 no comparison break sl center the violet
								Closed up 20h EST due to <u>very</u> unsettled weather - could easily rain <u>again!!</u>	
				5.7	B9		B8-B9	800 /	

25

Date 6-7 Oct/66

Observer

Julian Day

MGR

Mse

Fa

Re

Re

(H.A.)

(Glow - Fri)

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Angle End
29923	BD +1° 3694	18 ^h 25.4	+1° 10'	G40	IaOb	17.	50	18 ⁴⁵ ⁷⁰	21 05	A	0322
466-1	HR 8775	23 02.1	+27 51					21 25			
-4	NGC 205							21 55			
29924	+61° 2292	22 19.7	62 12	G40	IaOb	17		22 19 ⁵⁹	00 17	B	0237W
29925	+23° 982	05 ^h 33.1	+23° 16'	G40	IaOb	17		00 30 ²⁷	01 24	C	0330E
29926	+5° 951	05 ^h 26.7	+5° 56'	G40	IaOb	17		01 29 ¹⁹	02 07	A	0240E
29927	-0° 1034	05 ^h 33.0	-0° 14'	G40	IaOb	17		02 10 ⁷	02 24	B	0228E
29928	-4° 1162	05 ^h 27.3	-4° 35'	G40	IaOb	17		02 30 ¹⁸	03 06	A	0140E
29929	-1° 1001	05 ^h 35.2	-1° 30'	G40	IaOb	17		03 08 ⁹	03 26	B	0123E
29930	+16° 852	05 ^h 37.9	+16° 19'	G40	IaOb	17		03 30 ²¹	04 12	A	0050E
29931	-8° 1199	05 ^h 37.6	-8° 11'	G40	IaOb	17		04 14 ³⁷	05 23	B	0033W

Dome Temp.

Nearly Photometric
Very Photometric 21:25 $\rightarrow$ 21:55

2200 - acres

26

[illegible]

21.

Date Oct 7/8 1966 Fri/Sat

Observer

Re
Jn
PaCn
(R1)

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
29932	HD 181558	19 15.8	-19°25'	G40	IIaOb	13XL	52	18:55 ⁹	19:12	A
29933	HR 7339 HD 192666 7738	20:10.9	-12°39'	"	"	"	52	19:19 ⁵	19:28	C
29934	HD 216829	22 ⁿ 49.4	+61°36'	"	"	17	52	22:02 ^m	23 32	C
29935	HD 222368	23 34.8	+05 05	G40 ¹²	IIaOb	9	53°	23 49 ¹⁷	00 23	C
29935	HD 25348	03 56.6	+53°03'	G40	IIaOb	17		00 39 ¹²	01 03	C
29937	"	"	"	"	"	"		01 04 ²⁴	01 28	A
29938	HD 43703	06 12.6	+23 03	G40	IIaOb	17		01 35 ⁵	02 23	B
29939	HD 44131	06 15.0	-02 54	G40	IIaOb	17		02 27 ³⁵	02 37	C
29940	BD +05.1291	06 27.6	+05 52	G40	IIaOb	17		02 44 ¹⁵	03 54	A
29941	HDE 259431	06 27.6	+10.24	G40	IIaOb	17	52°	03 57 ²⁵	04 33	B
29942	HD 50091	06 46.5	-13 07	G40	IIaOb	17		04 38	05 28	C

Dome Temp. 52° Focus 44.5

Dome Temp.

Transparency Conditions Nearly Photometric

28

g Time S.T.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
12	A	$0^h 39^m W$	—	1	6.7	B8	12-12-12 B8-B9	800/60	fogged
28	C	$0^h 02^m W$	$+12^{\circ} 24'$	2	6.39	B9	12-12-12 B8-B9	800/60	sl. weak guiding
32	C	$01 34 W$	$+62^{\circ} 01'$	1	10.03	B2pe	12-12-12 Cn Be	800/50	* fine
23	C	$01 32 W$	$+05 28$	0.1	4.64	F7II	12-12-12 Std Vel.	20/20?	fine
03	C	$02 11 E$	$+53 15$	0	8.55	B1Vpnc	12/12/12 Cn Be	800/50	⊗ fine
28	A	$01 45 E$	"	0.1	"	"	12/12/12 Cn Be	800/50	fine
23	B	$03 05 E$	$+23 02$	0.1	9.06	B1Vipe	12/12/12 Cn Be	800/50	fine
37	C	$02 52 E$		1	6.5	m1	12/24 Std Vel.	400/60	fine
54	A	$01 49 E$	$+05 52$	1-2	9.72	B0:pe	12/12/12 Cn Be	800/50	fine
33	B	$01 10 E$	$+10 22$	1-2	9.02	B2pe	12/12/12 Cn Be	800/50	fine
28	C	$00 33 E$	$-13 09$	0.1	8.52	B3pe	12/12/12 Cn Be	800/50	fine

⊗ Automatic guiding quit entirely

NTB FRANK* Exposed 2 hrs on DB OB star, BD $+12^{\circ} 3771$, but plate removed without dark slide in place. See Jn for details.

Visitors: Cloudy and light shower Show "Universe"
Clearing at end of last tour.

Date Oct 9/9 Sat/Sun Observer 120 / D6 Ri Julian Day 173

[illegible]

Dome Temp.

Transparency Conditions 100 100

Very Good - Clear till
~ 01^h40 EST

3d

Time T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
55	B	00 14 E	+59° 32	0-1	8.2	B3e	12/14/12	Ugly looking clouds in N. Lightnings. Close up 22.30 Hd Bc (23) (Fuse blown) 800/47	gunning
52	A	00 43 E	+31° 17	1 -2	<u>11.0</u>	B8p	12/14/12	Re 'Dirt', #17 (capped 0152) (clouds all over the place - 800/37)	weak
Absolutely useless to observe Clouds came in from SE and cover whole sky. Closed up ∴ night rain. 02:30.									
Couldn't identify finder field for <u>HD 13661</u> at 0 hr									

Date OCT 9/10 SUN/MON Observer W^{HP}2 Ea/1 Julian Day 3

[illegible]

Dome Temp. 63° F.....

32

Focus

Dome Temp.

AUTO GUIDING MOTOR NOT WORKING ANYMORE

Time T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
46	A	E 4 ^m	+36 24	1	4.5	B6e	15-15-15	Hd dec seems wrong. Star seems faint / dupl cap Cop 7 mags static & weak	open weeks guiding weak
05	C	W 13 ^m	46 00	2	4.9	B2.5ex	15-15-15	No Be.	100/24
22	F	W 0 17 ^m	46 03	2	5.2	B3ne	15-15-15	"	100/24? fine
52	G	01. 28 W	61 45	0-	6.6	Bone	15/15/-	20.47 capped (clouds) 21.03 uncapped (clearer)	fogged weak
	A							21.53 closed up - overcast. B/8 (no filter)	se center level better in use

33

Date Oct 10/11 Mon. Tues. Observer ReFu Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
29049	HD 192666 HR 7738	^h 20 ^m 10.9	-12. 39	G-40	II 90b	176	51°	19:50 ^b	2002	B
29949T	Calibration Step Wedge for plates 29932-44, 49									
29949F ₁	12 Oct 66 (msec) focus test in in/out and			G12	II 90b	9	43° F			C
F ₂	"	"	"	G12	"	9	43			C
F ₃							44			C
F ₄	"	"	"				44			A
29949F ₅	13 Oct 66 focus test in in/out and			G40	II 90b	13	44° F			C
F ₆	14 Oct	"	"	G12	II 90b	9	46° F			C
F ₇	"	"	"	"	"	"	"			A
F ₈	"	"	"	"	"	"	"			B
9							48° F			A
10							"			B
11							"			C

Date 13 Oct / 66

Observer... *W. S. S.*

Julian Day.

[illegible]

Dome Temp.

Transparency Conditions

36

Focus

Dome Temp.

ing Time
S.T.

P

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

21 14

45

3/5

change focus to 70 (black scale)

c to v

not c to v:
most in
middle

3/5

3/5

1K

Gr 12 PH C in in
good focus, PH B
fair focus & avoid using
PH A. (c to violet) ✓

37

Date FRI.-SAT. OCT. 14-15/66 Observer vdB, McL Hr Julian Day _____

Plate No.	Object	R.A. 1900 1966	Declination 1900 1966	Inst.	Emulsion	FILTER SLT	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour At End
29950	M31 field A	00 42.5	41 15.4	NEWT	103a0	55 ¹³ = B		00 06 ⁴⁰	00 11 ⁴⁰	1	0 ^h 44 ^m
29951	"	"	"	"	"	"		00 15 ¹⁴	00 20 ¹⁴	2	0 ^h 53 ^m
29952	"					"		00 22 ⁵³	00 27 ⁵³	1	1 ^h 0 ^m
29953						"		00 31 ⁰⁴	00 36 ⁰⁴	2	01 0 ^m
29954						"		00 43 ⁰⁸	00 48 ⁰⁸	1	1 ^h 2 ^m
55						"		00 50 ¹⁸	00 55 ¹⁸	2	1 ^h 20 ^m
56						"		00 57 ²⁰	01 02 ²⁰	1	01 ^h 30 ^m
57						"		01 04 ⁵⁶	01 09 ⁵⁶	2	01 40 ^m
58						"		01 14 ²⁵	01 19 ²⁵	1	01 50 ^m
59						"		01 27 ⁵⁰	01 32 ⁵⁰	2	02 06 ^m
29960						"		01 37 ⁵⁰	01 42 ⁵⁰	1	02 06 ^m
61						"		01 47 ⁴⁰	01 52 ⁴⁰	2	02 26 ^m
62						"		01 57 ²⁵	02 02 ²⁵	1	02 35 ^m
63								02 07 ⁴⁰	02 12 ⁴⁰	2	02 40 ^m
64								02 15 ⁴³	02 20 ⁴³	1	02 50 ^m
65								02 22 ⁵⁹	02 27 ⁵⁹	2	3 ^h 0 ^m

Dome Temp.

Focus

Dome Temp.

Transparency Conditions

Poor - cirrus cloud
most of the time - 38

Long Time S.T.	PM	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	EXP. Comp.	REMARKS	Quality
11 ⁴⁰	1	0 ^h 44 W	+41 16				5 ^m		
20 ¹⁴	2	0 ^h 53 W					"		
27 ⁵³	1	01 01 W							
35 ⁰⁴	2	01 09 W							
48 ⁰⁸	1	1 ^h 21 W						← clouds	
55 ¹⁸	2	1 ^h 28 W						thin clouds during exposure	
02 ²⁰	1	01 ^h 35 W							
09 ⁵⁶	2	01 43 W							
19 ²⁵	1	01 52 W						Mel Guiding for the first time in his life! CLONDS.	
32 ⁵⁵	2	02 06 W						" " "	
42 ⁵⁵	1	02 16 W						" "	
52 ⁴⁵	2	02 26 W						" "	
02 ⁰⁵	1	02 35 W						" "	
12 ⁴⁰	2	02 46 W						VdB Guiding	
20 ⁴³	1	02 54 W							
27 ⁵⁹	2	3 ^h 01 W							

Date Sat Oct 15 (Cont'd) Observer VdB-MCP-Hr Julian Day 2454311.5

[illegible]

Dome Temp.

Transparency Conditions

Curious clouds

40

[illegible]

Date. Oct 17 / 18
Mon - Tue

Observer Db, Wd, Jr, Vr Julian Day[illegible]

Dome Temp. 43°

Focus

Dome Temp.

Transparency Conditions

good

clouded over at 19:20 EST

rain, clearing 2045

42

ag Time S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
18	01 59 W	+9° 17'	0"	9.0	09 I	12/24	D6 O-B Prog # clouds. 800/9	weak
02	01 50 W	+39° 00'	0"	6.42	B9	12/12/12	B8-B9 400/35	good
19	02 20 W	-03° 25'	0"	6.01	B9	12/12/12	B8-B9 400/35	fine
35	03 16 W	+38° 21'	0"	5.65	B9	12/12/12	B8-B9 400/35	fine
47	02 39 W	+26° 24'	0"	5.50	B9	12/12/12	B8-B9 400/35	fine
4	2 41 W	-01° 01'	0"	6.26	B8	12/12/12	B8-B9 400/35	fine
							Photos 79, 80 may bear numbers 80, 81	
49			0					
53			0				Clouds	

43

 F_n

Dome Ter
Focus
Dome Ter

Hour Angl
End

Dome Temp.

Focus

Dome Temp.

Transparency Conditions

Some Haze in South at First
at 23:30 Very Good.

ing Time
S.T.

P.S.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

REMARKS

Quality

0-1

0-1

Thick Clouds at 2206

260 VISITORS (Fe-Hu, Pc) SHOWED SATURXI

45

(Hu)
mel Fa Re

Date 20-21 Oct/66

Observer Mse - Mce Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
29982	HD 152 391	16 48.0	+0° 12'	G40	IIaOb	13	43°F	18:00	18 23	C
29983	HD 1164922	17 58.4	+26° 22'	G40	IIaOb	13				
29984 ³	HD 169578	18, 20.12	+5° 02'	G40	IIaOb	13		18.52	18.59	A
29985 ⁴	HD 174587	18, 46.0	+31° 31'	G40		*	slit at 17	19.07	19.10	B
469-1	45 -							20:20		
-23									0136	
29982 ⁵	BD +23° 921	05 ^h 23.1	+23° 37'	G40	IIaOb	17	35°	0200	0426	C
29983 ⁶	BD -2° 1350	05 ^h 38.0	-02° 21'	"	"	17		0428	0452	B
29984 ⁷	BD -5° 1515	06 ^h 03.5	-05° 19'	"	"	17		0455	0520	C
29985 ⁸	HD 66 242	07 ^h 57.5	-06° 03'	"	"	13L		0527	0537	A
29986 ⁹	HD 99491	11 ^h 21.7	+03° 33'	"	"	13S		0550	0558	B
29986 ⁹ T	7/7	focus tent	setting	43.9		112	+35°F			C
								SUGGEST 43.5 setting for 35°F		

Dome Temp.

Splendid!

46

Time EST.	PA	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
23	C	W 3 11	+0° 5'	1.0	7.56	G5	12-12-12	GH PROG 49/800	grinding lens
					8.10	K0	-	GH PROG. unable to find +/800	
59	A	N 2 14	+5 26	1	6.54	B.9	12-12-12	B8 B9 (56) 35/800	fine
10	E	N 2.02	+31.38	1	6.5	B.9	12-12-12	" (main prog) * 35/800	fine
0136				1					
				1-2					
126	C	0037W	+23° 42	2-3	10.8	F2	12/12/12	Re DUST NO 41 800/50	fine
452	B	0052W	-02° 17	1-2	8.3	B8	12/12/12	Re DUST NO 57 800/40	fine
520	C	0055W	-05° 18'	1-2	8.4	B5	12/12/12	Re DUST NO 70 800/40	fine
537	A	0043E	-06° 14	1-2	^{mag pr} 6.32	G0	12/12/12	GHagen <u>This</u> IS the <u>right</u> star!! 800/65	fine
558	B	0355E	-03° 15'	?	6.04	AKG	12/24	GHagen Shy awfully BRIGHT! 800/32	wrong star
								HAVE TO STOP. SUNRISE! not sure if definitely re-centred to this last star.	
								* NB slit was ^{at} 17 at beginning of spectroscopy run after 0136	

47

Date 21-22 Oct 1966

Observer

Db Ph /
(Hn)

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
29990	HD 158633	17 ^h 25.3 ^m	67° 24'	G40	IIaOb	B 13	48°	18 15	18 ^h 36	A
29991	12° 3771	18 59.2	+2° 58'	G40	"	17	48°	18 47	20 54	B'
29992	HD 195988	20 ^h 29.4 ^m	+41° 07'	G40	"	13	47-8	21 08	21 30	A
29993	HD 1256	00 11.7	-20 24	"	"	17L	47°	21 39	20 54 ^m	B
94.	HD 10260	01 35.3	+60 32	G40	IIaOb	17L		21 06	22 10	C
95	11291	01 45.8	+50 18	"	IIa-Ob	"		22 22	22 24	
96	10260	01 35.3	+60 32	G40	IIa-Ob	"		22 32	22 34	
97	Ø Rn	01 37.4	+50 11	G10	IIa-Ob	9	47	23 08	23 12	C
98	HD 11291	01 45.8	+50 18	G40	IIa-Ob	17XL	47	23 37	23 41	
99	HD 23383	03 39.7	+55 37	G40	IIa-Ob	17XL	47	23 51	23 57	
30.000	HD 26670	4 08.4	61 36	G40	IIaOb	17XL		0 07	0 10	
30.000	"	"	"	"	"	"		0 13	0 16	

Dome Temp.

Focus

Dome Temp.

Transparency Conditions *Hazy all around.*

48.

Thick Cirrus clouds at 19 h.

ng Time S.T.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
36	A	02 53 W	67° 22'	0-1	7.31	KO	12/12/12	64. Programme (Sp. almost touch S pier)	50 60/400 fine
54	B	3 34 W		0-1.2	9.2	B0 III	12/12/12	D6-OB Program #15 <i>Haze 19h clear 19h 15</i>	800/50 { 2 plates fine
30	A	2 41 W	+41° 19'	1-2	7.64	G0	12/12/12	Field OK Sd Star	400/40 fine
54	B	0 41 E		1-2	6.4	B8	12/12/12	B8-B9 Programme	400/20 guiding
210	C	01 47 E			6.58	B8	12/12/12	— " — <i>— Camp maybe OK!</i>	800/35 fine
24		01 45 E		1-2	5.62	B9	12/24	for " — <i>funder obstructed</i>	400/20
34		01 23 E		"	6.58	B8	12/12/12	— " —	400/20 guiding
12	C	01 15 E			4.19	B0 p	10/10/10	4d-Ba ... clouds in west!	100/28 guiding
41		0 25 E		1-2	5.6	B9	12/12/12	B8-B9	400/20 guiding
57		02 03 E			6.02	B9	12/24		guiding
10		03 40	61 48		5.59	B8	12-12	B8-B9 (SB) ← <i>Field flattener not in position!!</i>	
16		03 34 E	"		5.59	B8	12-12	B8-B9 (SB)	fine

Note: In 29991, 2 plates with 91,
one empty! Which?

49

Date 21/22 Oct 66 Observer Fa. Mse - Re Julian Day Re

(Sat)

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30,001	HD 10362	01 36.2	+60 55	G40	IIa06	17xL	47	0.30 ^m	0.34.	* A
30,002	HD 2054	00 19.6	52.30	G40	IIa06	17xL	46	0.44 ^m	0.45 ^m	C
30,003	HD 9138	01. 24.9	+05.38	G40	IIa06	13	46	1.00	1.14 ^m	A
30,004	BD+23° 482	5 33.1	+23° 16	G40	IIa06	17		1:23	2:45	C
	exposure stopped temporarily due to clouds					→		3:04	03:30	
30 005	BD+5° 1035	5 17.3	+5° 08	G40	IIa06	17		03:37	04:27	B
30 006	-10° 1773	6 52.4	-10° 08	G40	IIa06	17		04:37	5 13	A
30 007	HD 99491	11 21.7	+3° 33	G40	IIa06	13L		5 23	06 00	B
30 007X	THE SUN	≈ 13 ^h	≈ -5°	"	"	17L		0600	0605	C

Dome Temp.

Transparency Conditions

fair - good

50

Focus

EXCELLENT AFTER 03:15

Dome Temp.

g Time
S.T.

P.M.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
74 * A	W 0.37 ^m	61° 16'	1	6.4	B8	35	B8-B9 (main prog) 35/800	fine
							- found PH. B loaded in disk, but disk still not quite closed. discarded the plate	
4 ^m C	V 0.26 ^m	52° 52'	1	5.7	B9	35	B8-B9 (main prog) 35/800	guiding
14 ^m A	V 1 ^h 33 ^m	+6 01	1	6.2	K4	12-70	st. rel. * cirrus 70/800	weak
45 ^m C		23 10	1	4.4	gk0	12-12	Re "dust" NOA7 capped 0230 → 80/800	wrong star?
20	E 0, 22		0-1			12		
27 B	E 0.21	+5° 12	0	9.6	G5	12-12	Re dust # 61 55/800	break
13 A	W 0 02	-10 01	0	8.6	B8	12-12	Re dust # 66 Field does not seem to check } 23/800 definitely wrong star	comp star
10 B	E 3 ^h 40	+3° 15	0-	6.04	dk0	12-12	GH * abnary. Took brighter companion 54/800	
05 C	E 03 45		0	-26A	G2V	12-24	GH? Finder Field checks! 27 80/800	weak

* BODY OF PH A; BACK OF PH C - this PH makes up

51

Date 23/24 Dec 1966 Sun-Mon Observer Cu ^{mcl} Ri (Rc) Julian Day 7
Rm _{Ea}

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Angle End
30008	HD 217543	22 56.3	+38 10	Q40	IlaoB	13XL	48°	20 22	20 32	F	50 38E
30009	HD 223501	23 45.0	+61 39	"	"	"	"	20 47	21 15	C	50 43E
30010	HD 220116	23 16.1	+57 43	"	"	17:	"	21 23	22 07	B	50 38W
30011	BD +60° 358	01 42.7	+60 33	Q40	IlaoB	17		22 16	23 54	C	50 02E
30012	BD +50 360	01 42.2	+50 37	"	"	"	"	00 02	01 50	A	50 28W
470-1									02 18		
470-18									05 58		
30012 T ₁	Calibration Slip Wedge for plate				29990 - 30002						
T ₂	"	"	"	"	30003 - 12						

Dome Temp.

Focus 44.5

Dome Temp.

Transparency Conditions 1. cloud early in evening

- 1. cirrus occasionally

52

oding Time
E.S.T.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
32	00 38 E	+38 33	1	6.4	Bne	12-12-12	HA Be	400/35 strong
15	00 43 E	+62 65	1	8.2	B3c	12-12-12	HA Be	800/70 strong
07	30 38 W	+58 05	1	9.28	B0.5	12-12-12	Cn Be	800/50 fine
54	00 02 E	+60 53	1	9.61	B3ne	12-12-12	Cn Be	800/50 fine
150	02 20 W	+50 59	1	9.52	B3ne	12-12-12	Cn Be field check.	800/50 fine
218			1					
558			1					

53

Date 24/25 Oct 66Observer Wd
In

Re

Julian Day

Mon - Tue

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	How Ang End
30013	HD 164922	17 ^h 58.4	+26° 22'	G-40	IIaOb	17	47°	180.9 ¹⁵	18 38	B	2 ^h 32
30014	+2° 3771	18 ^h 59.2	+2° 58'	G-40	IIaOb	17	-	1844 ³⁸	20 00	A	2 ^h 51
30015	HD 195988	20 ^h 29.4	+41° 07'	G-40	IIaOb	17	-	2032 ¹²	20 55	C	2 ^h 17
30015F	<i>Locus test in/out</i>			G40	IIaOb	17	47°F	—	—	B	—
30016	HD 206778 E Per	21 ^h 39.3	+9° 25'	G12	IIaOb	9	-	2121 ⁶	21 33	C	01 46
30017	HD 222368 C Per	23 ^h 34.8	+5° 05'	G12	IIaOb	9	-	2142 ¹⁴	22 10	B	00 27
30018	φ Per	01 37.4	+50 11	G12	IIaOb	9	-	22:19 ²	22:23	C	01 24
30019	HD 4128/Bet	00 38.6	-18° 32'	G12	IIaOb	9	-	22:31 ⁶	22:42	B	00 05
30020	HD 2789	00 26.3	+66° 36'	G40	IIaOb	17	-	22:59 ¹⁵	23:28	A	00 55
30021	HD 225289	23 59.9	+60° 56'	G40	IIaOb	17	-	23:40 ²	23:43	B	01 36
30022	HD 2054	00 17.6	+52 30	G40	IIaOb	17	-	23 50 ³	23:55	C	01 26
30023	HD 2054	"	"	G40	IIaOb	17	-	23:58 ³⁴	00:02	A	01 34
30024	BD +23° 982	05 ^h 33.1	+23° 16'	G40	IIaOb	17	-	00 15 ⁵³	01 23	B	02 20
30025	BD -5° 1281	05 ^h 26.4	-5° 47'	G40	IIaOb	17	-	01 30	03 15	C	00 20

Dome Temp. 50° Focus 44.0

Dome Temp. ...

Transparency Conditions ... clouds in S.E. but good the rest of the sky.

sky Hazy

58

Mag Time S.T.	P1	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
38	B	$2^{\text{h}}32^{\text{m}}\text{W}$	$26^{\circ}22'$	2^{+}	8.10	K20	640 ft	12/12/12 G Hagen	400/60 fine
0	B	$2^{\text{h}}52^{\text{m}}\text{W}$	$+3^{\circ}05'$	2^{+}	9.2	B0 III		12/12/12 D6 OB 15	800/50 fine
55	C	$2^{\text{h}}17^{\text{m}}\text{W}$	$+41^{\circ}25'$	2	7.64	G0?	610 ft	12/12/12 G. Hagen - W. Stearnwood / Field drawn checks	800/80 fine
							5/5		standard to view
33	C	$01^{\text{h}}46^{\text{m}}\text{W}$	$+9^{\circ}45'$	2^{+}	3.98	K25B		12/12/12 Bright Std Vel.	100/100 comp weak
10	B	$00^{\text{h}}27^{\text{m}}\text{W}$	$+5^{\circ}29'$	2	4.64	F7E		12/12/12 "	100/60 comp weak
23	C	$01^{\text{h}}24^{\text{m}}\text{E}$	$+50^{\circ}34'$	2	4.19	B0p		12/12/12 Hd Special Star	100/28 comp weak
12	B	$00^{\text{h}}05^{\text{m}}\text{E}$	$-18^{\circ}08'$	2	3.06	K11II		12/12/12 Bright Std. Vel	100/102 comp weak
28	A	$00^{\text{h}}55^{\text{m}}\text{W}$	$+67^{\circ}00'$	2^{-}	8.61	B2e	640 ft	12/12/12 Cn Be Field Checks.	800/50 fine
43	B	$01^{\text{h}}36^{\text{m}}\text{W}$	$+61^{\circ}07'$	2^{-}	5.9	B9		18/18 B8-B9 Field Drawn (maybe fogged)	800/60 strong
55	C	$01^{\text{h}}26^{\text{m}}\text{W}$	$+52^{\circ}51'$	2^{+}	5.7	B9		12/24 B8-B9 maybe } Capping Device Loose	800/60 strong
102	A	$01^{\text{h}}34^{\text{m}}\text{W}$	"	"	"	"		12/14 B8-B9	800/60 strong
123	B	$02^{\text{h}}20^{\text{m}}\text{E}$	$+23^{\circ}19'$	2	9.4	gKO		12/12/12 Re "DUST" NO 47 Field checks	800/90 weak
315	C	$00^{\text{h}}20^{\text{m}}\text{E}$	$-05^{\circ}42'$	1	10.2	A7		12/12/12 Re "DUST" NO 42 Field drawn	800/40 weak
OVER								#30023025 a. in same place	
								* Lost lens on wrong star - plate too weak, discarded	

Date Oct 25 1966 Observer Re Julian Day 2439550

[illegible]

Dome Temp.

Transparency Conditions slight haze

56

ing Time S.T.	PJ	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
57	A	0016E	+14°08'	2	9.0	B3	12/12/12	Re "DUST" NO 71 Field checks 800/40	fine
512	B	0100W	-06°16'	1	9.4	B5	12/12/12	Re "DUST" NO 72 Field checks 800/40	fine
535	C	0028W	-12°14'	1	8.5	B9	12/12/12	Re "DUST" NO 94 Field checks 800/40	fine
600	A	0101W	-10°12'	1	8.6	B8	12/12/12	Re "DUST" NO 86 Field checks 800/22	excellent
								SKY BRIGHTENING FAST DURING LAST PLATE.	
								Close up	
								Gr-40 CAPPIX GR LIGHT REPAIRED ONLY TEMPORARILY.	

57

John Brayton + MCL showed looking to Worker's Education Assoc. class.

Date Oct 25/26

Observer

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
300 30 471-b	HD 152391	16 48.0	+0° 12'	640	IIaOb	13		18 08	18 40 20 18 21 03	A
300 31	HD 212883	22 22.4	+36 57	640	IIaOb	17	42	22 07	22 17	B
300 32	HD 217811	22 58.2	43 31	640	IIaOb	17		22 35	22 45	C
33	HD 9812	01 30.8	+58 08	640	IIaOb	13	41	23 16	23 33	A
34	HD 10260	01 35.3	+60 32	640	IIaOb	17		23 44	23 50	B
35	HD 11291	01 45.8	+50 18		IIaOb	17		00 03	00 05	C
300 36	OCas	00 39.1	+47 44		IIaOb	13		00 14	00 15	A
300 37	HD 12953	02 01.7	+57° 57		IIaO	13		00 26	00 27	B
300 38	HD 15497	02 24.6	+57° 15		IIaO	13		00 33	00 43	C
300 39	HD 15497	02 24.6	+57° 15		IIaO	13		00 44	00 47	A
300 40	HD 17378	02 42.2	+56° 40		IIaO	13		00 50	00 55	B
300 41	HD 17378	02 42.2	+56° 40		IIaO	13		00 57	00 59	A
300 42	HD 21291	03 21.0	+59° 36'		IIaO	13		01 02	01 03	B
300 43	HD 21291	03 21.0	+59° 36'		IIaO	13		01 04	01 05	A

Dome Temp. 47

Focus 44.0

Dome Temp.

Transparency Conditions *clear*

58

ing Time EST.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
40	A	3 42 W	+0° 05'	0-1	7.56	G5	12-12-12	GH Program (10 min to spare) 60/800	l. weak
18				0					
03				0					
17	B	1° 50 W	37 18	0	6.2	B2V	12-12-12	B Std Vel { ^{visitors - slit} very different } 50/800	fogged lottery
45	C	1 43 W	43 55	1	6.1	B3V	12-12-	B Std Vel { focus } 50/800	lottery
33		0 04 E	58 29	1-2	7.4	B5V	12-12-12	B Std Vel 50/800	fine
50	B	0 09 W	60° 54	1-2	6.6	B8	12-12-12	B8 B9 Sp Bi. 50/800	fine
05	C	00 15 W	+50° 38	1-2	5.6	B9	36 610 10	B8 B9 Sp Bi. 800/40	fine comp. all lottery
15	A	0 13 1 E	+48° 05'	1-2	4.70	B2V	10	MK-Std (1/4 NORMAL) 400/6	fine
27		00 21 E	+58° 16'	1-2	6.0	A1 Ia	10	MK-Std (1/2 NORMAL) 400/12	fine
43		00 12 W	+57° 34	1-2	7.0	B6 Ia	10	MK-Std Field check (1/2 NORMAL) 400/20	fine
47	A	00 17 W	+57° 34	1-2	7.0	B6 Ia	10	MK-Std (1/4 NORMAL) 400/10	fine
55	B	00 08 W	+56° 57'	1-2	7.0	A5 Ia	10	MK-Std (1/2 NORMAL) 400/20	fine
59	A	00 11 W	+56° 57'	1-2	7.0	A5 Ia	10	MK-Std (1/4 NORMAL) 400/10	fine
03	B	00 24 E	+59° 49	1-2	4.7	B9 Ia	10	MK-Std (1/4 NORMAL) 400/6	fine
05	A	00 21 E	+59° 49	1-2	4.7	B9 Ia	10	MK-Std (1/2 norm) 400/12	fine

59.

Date Oct 26 Observer Mrs. R. Pe Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
300 44	HD 21483	03 22.7	+30°02'	G40	HaO	13		01 09	01 07	B
300 45	HD 21483	03 22.7	+30°02'	G40	HaO	13	38°	01 18	01 21	C
300 46	24 Ari	02 03.7	+25°28'	G40	HaO	13		01 24	01 26	A
300 47	36 Per	03 25.5	+45°43'	"	HaO	13		01 35	01 37	B
								5 35		
300 48	36 Per	03 25.5	+45°43'	G40	HaO	13		01 38	01 40	C
300 49	E Eri	03 28.2	-09°48'	G40	HaO	13		01 44	01 47	A
300 50	E Eri	03 28.2	-9°48'	G40	HaO	13		01 48	01 50	B
300 51	46 Tau	04 08.2	+07°28'	G40	HaO	13		01 52	01 55	C
300 52	46 Tau	04 08.2	+07°28'	G40	HaO	13		01 56	01 58	A
300 53	17 Tau	03 38.9	+23°48'	G40	HaO	13		02 01	02 02	B
300 54	17 Tau	03 38.9	+23°48'	G40	HaO	13		02 05	02 06	A
300 55	η Tau	03 41.5	+23°48'	G40	HaO	13		02 08	02 09	C
300 56	η Tau	03 41.5	+23°48'	G40	HaO	13		02 10	02 11	B
300 57	27 Tau	03 43.3	+23°45'	G40	HaO	13		02 15	02 16	A
300 58	27 Tau	03 43.3	+23°45'	G40	HaO	13		02 17	02 18	B

Dome Temp. 42

Focus 44.0

Dome Temp.

Transparency Conditions fair - good

60

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
017 B	00 11 E	30° 16'	1-2	6.9	B3 III	10 Mk-Std (1/2 NORMAL) 400/20	fine
21 C	00 05 E	30° 16'	1-2	6.9	B3 III	10 Mk-Std (1/4 NORMAL) 400/10	fine
26 A	01 24 W	25° 48'	1-2	5.01	F2 III	10 Mk-Std (1/4 NORMAL) 400/12	fine
37	00 06 W	45° 59'	1-2	5.30	F4 III	10 Mk-Std (1/2 NORMAL) 400/20 03:29.6	fine
						check 1965 F4 SK?	
40 C	00 10 W	+45° 59'	1-2	5.30	F4 III	10 Mk-Std (1/4 NORMAL) 400/	fine
147 A	00 15 W	-09° 32'	1	4.62	K2 V	10 Mk-Std (1/2 NORMAL) 400/30	fine
150 B	00 18 W	-09° 32'	1	4.62	K2 V	10 Mk-Std (1/4 NORMAL) 400/15	fine
155 C	00 16 E	+07° 41'	1	5.32	F3 V	10 Mk-Std (1/2 NORMAL) 400/20	fine
158 A	00 13 E	+07° 41'	1	5.32	F3 V	10 Mk-Std (1/4 NORMAL) 400/10	fine
202 B	00 20 W	+24° 03'	1	3.69	B6 III	10 Mk-Std (1/2 NORMAL) 400/15	fine
206 A	00 24 W	+24° 03'	1	3.69	B6 III	10 Mk-Std (1/4 NORMAL) 400/7	fine
209 C	00 24 W	24° 03'	1	2.77	B7 III	10 Mk-Std (1/2 NORMAL) 400/15	fine
211 B	00 25 W	24° 03'	1	2.77	B7 III	10 Mk-Std (1/4 NORMAL) 400/7	fine
216 A	00 29 W	24° 00'	1-2	3.62	B8 III	10 Mk-Std (1/2 NORMAL) 400/15	fine
218 B	00 30 W	24° 00'	1-2	3.62	B8 III	10 Mk-Std (1/4 NORMAL) 400/7	fine

Date Oct 26 Observer Msc, Ri, Rc Julian Day 2454910.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
300 59	ϵ Per	03 51.1	+39° 43'	G40	HaOb	13		02 27	02 28	B
300 60	ϵ Per	03 51.1	+39° 43'	G40	HaOb	13		02 29	02 30	A
300 60	BD+10° 1172	06 27.5	+10° 24'	G40	HaOb	17		02		C
300 61	BD-10° 1773	06 52.4	+10° 08'	G40	HaOb	17		02 55 ²⁴	03 43	C
300 62	BD+10° 1158	06 25.3	+10° 09'	G40	HaOb	17		04 05 ¹²	04 29	A
300 63	BD-9° 1498	06 26.0	-9° 36'	G40	HaOb	17		04 36 ²⁴	05 30	B
300 64	HD 99491	11 21.7	+3° 33'	G40	HaOb	13	36°	05 37 ¹⁴	06 05	C
30064 T ₁	Calibration Strip Wedge for plates					30030-35	53			
T ₂	"	"	"	"	"	30036-49				
T ₃	"	"	"	"	"	30050-52				
T ₄	"	"	"	"	"	30054-64				

Dome Temp. 40Focus 44.0

Dome Temp.

Transparency Conditions good

62

ing Time EST.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
228	B	00 32W	+39° 55'	2	2.96	B0.5	10	Mk-Std (1/2 NORMAL) 400/16	fine
80	A	00 34W	+39° 55'		2.96	B0.5	10	Mk-Std (1/2 NORMAL) 400/16	fine
							G40	"Dust" Re CAN'T FIND #82 800/50	
43	C	01 13E	-10° 12'	1	8.6	B8	12/12/12	"Dust" Re #86 TRIED AGAIN FOR #82 800/50	fine
29	A	0000	+10° 11'		9.3	B8	12/12/12	"Dust" Re [ident?] #76 field plotted 800/40	fine
30	B	01 01W	-09° 35'		9.1	B8	12/12/12	"Dust" Re #80 ident. OK! ^{in a very small compact cluster} 800/44	fine
605		03 40E	+3° 15'	0	6.04	dko	12/14/12	GH 800/75	fine

Date 26/27 Oct Wed/Thurs Observer ^{Fa}_L mcl - ^{Ea}_{Ri} mcl Julian Day

[illegible]

Dome Temp.

Focus 44.2

Dome Temp.

Transparency Conditions *Very Hazy first half.* 65*Slightly hazy second half.*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	REMARKS	Quality
						<i>Mcl started but it got too Hazy.</i>	
37 A 0 38 W	68 03	1	7.2	Bse	12-12-12	<i>Be prog. Hd</i>	<i>grinding</i>
0 41 W	56.35	1	8.1	Bse	12-12-12	<i>" " "</i>	<i>50/800 fine</i>
0 04 W	50 00	1	8.8	Bse	12-12-12	<i>" " "</i>	<i>20/400 fine</i>
0 20 E	44 10		6.5	B3ne	12-12-12	<i>" " "</i>	<i>20/400 fine</i>
0 11 E	60 55		9.61	B3ne	12-	<i>Cn - Be program</i>	<i>fine</i>
		2					
		2					

65

Three Tri

Observer ^{Fa} ^{Rm} ^{Vh} ^{Ke} ^{Julian Day}

[illegible]

Dome Temp.

FROM PREVIOUS NIGHT (WE CHECKED IT)

Transparency Conditions

66

WHAT HAS HAPPENED TO THE OUTER PART OF THE PENCIL SHARPENER?

Mag	Time	P	Hour Angle	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
05	C		11 ^h .43 ^m	36° 54'	1+	7.7	B3E	12-12-12	G40	HD RE (FIELD DRAWN) 500/50	partly fogged.
26	A	2	02	44° 15'	1-2	7.2	B1SE	12-12-12	G40	HD RE (FIELD DRAWN) 800/50	smiling
	B					7.7	B4II			* IT LOOKS THE WRONG COLOUR	
										* 1 * 2 * 3 800/	
06	C		0 ^h .26 ^m	5° 29'	②	4.64	F2V	12-12-12	G12	BRIGHT STD UEL. RATING COVERED -	
24	C	11	47	9 45	2	3.98	K2Ib	12-12-12	G10	BRIGHT STD UEL 100/90	fine
										THIS PLATE NUMBERED 24	
45	C		10.13	+5° 30'	2+1	4.64	F7V	12-12-12	G10	BRIGHT STD. UEL. 100/60	fine
11	C		0320W	62 56	0-1	7.7	B4E	12-12-12	G10	HD special CIRCUM IN W+N FIELD OK 800/240	sub
50	A		0042E	-03° 18'	1	7.24	F9V	12-12-12	G140	GH star 800/80	fine
10	B		0212E	+10° 07'	1	9.3	B8	12-12-12	G40	Re "DUST" NO76 Field checks 800/45	fine
15	C		0040W	+24° 04'	1	3.69	B6III	12	G12	Mk-std 1/4 normal 400/7	smiling
219	B		0051E	+34° 00'	1	5.03	A5II	12	G12	Mk std 1/2 (hold full?) 400/12	in back of camera
222	C		0048E	"	1	5.03	A5II	12	G12	Mk std 1/2 400/12	fine
			*1							UNABLE TO FIND IT. THERE ARE 2 POSSIBILITIES AT THE EDGE OF THE FIELD // 8, RA + CLOCK WERE OK.	
			*2							USING THE PLATES FROM THE LEFT OF THE UNEX. BOX	SLID
			*3							THE LAST PERSON USING THE G12/121C BENT THE DARK VERY BADLY	

Date 22/25 Oct/86Observer Ra, Re, Yr

Julian Day

thurs / Friday

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
300 80	γ Aur	5h 13.4	+33° 51'	640	IIaob	13	-	02 24	02 25	E
300 81	β Tau	5h 20.0	+28° 31'	640	IIaob	13	-	02 27	02 27	E
300 82	"	"	"	640	IIaob	13	-	02 31	02 31	C
300 83	π Aur	5h 26.2	+32° 07'	640	IIaob	13	-	02 34	02 35	E
300 84	"	"	"	640	IIaob	13	-	02 36	02 36	A
300 85	BD -9° 1498	06 26.0	-9° 36'	640	IIaob	17	-	02 45 ³¹	04 23	B
300 86	CD +10° 1172	06 27.5	+10° 24'	640	IIaob	17	-	04 08 ⁴¹	04 50	C
300 87	BD -12° 1771	7h. 00.6	-12° 11'	640	IIaob	17	-	04 53 ¹³	05 19	B
300 88	BD -11° 1755	6h. 58.0	-11° 19'	640	IIaob	17	-	05 22 ¹¹	05 56	C
300 88 T ₁	Calibration Slip Wedge for plates 30070-71, 30075-86									
T ₂	"	"	"	"	"	"	"	30087-88		
T ₃	"	"	"	"	"	"	"	30072-74		

Dome Temp.

clouds /m 0200-0230

68

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0048E	33°57'	1	5.03	A51	12	G12	Mk Std 1/4 400/7	fine
0050E	28°36'	1	1.52	B7III	12	G12	Mk Std 1/2 400/12	grinding
0048E	28°36'	1	"	"	12	G12	" " 1/4 400/7	lathering
0048E	32°42'	1	4.8	B5Iab	12	G12	" " 1/2 400/12	fine
0046E	"	1	"	"	12	G12	" " 1/4 400/7	grinding
0019E	-9°35'	1	9.1	B8	12/12/12	G40	Re "dust" no 80 800/60	lathering
0026W	+10°19'	2	8.7	B6pe	12/12/12	G40	Re "DUST" no 82 [no 25!!] 800/45	fine
0023W	-12°14'	2	8.5	B9	12/12/12	G40	Re "Dust" no 94 800/45	fine
0103W	-11°16'	1-2	(8.7)	B3n	12/14/12	G40	Re "Dust" no 90 800/45	fine

130 visitors Undergraduate Physics Conference 74" - Saturn, with Earth in plane of
 sd Hd rings.
 ut
 re Date 28/29 Oct 1966 Observer DG / Wd Julian Day

Sed Hd
wt
Re
06 69

Date 28/29 Oct, 1966 Observer DB / Wd Julian Day 1966000

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30089	HD 199892	20 54.9	+41.33	G40	IIaOb	17L	53°	18 ^h 45 ^m	18 ^h 55 ^m	
			Visitors							
30090	HD 6343	00^h 59.4	+65 26	G40	IIaOb	17	52°	22 ^h 26 ^m	22 ^h 45 ^m	C
30090	HD 12302	01 55.6	+59 12	G40	IIaOb	17		22 ^h 58 ^m	23 19	A
30091	HD 6343	00 59.4	+65 26	"	"	17		23 27	23 41	B
30092	HD 223 501	23 ^h 45.0	+61° 39	"	"	17	52°	23 49	00 09	A
30093	ϕ Per	01 37.4	+50° 11	G-12	IIaOb	9	51	00 34	00.39	C
30094	HD 3712	00^h 34.8	+55° 59	G-12	IIaOb	9	-	00.46	00.54	B
30095	HD 20202	03 17.2	+49° 30	G-12	IIaOb	9	-	02:27	02:31	C
30095T	Calibration	Step Wedge for plate			30093-95					

Dome Temp. 53°

Focus

Dome Temp.

Transparency Conditions *Very Hazy*

70

*Cirrus at 19^h00, cloudy 1:00
clear 2:20
cloud 2:30** Variable speed dec control dial came off
ITS IN THE DRAWER IN DOME

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 08W	$41^{\circ} 51'$	1	6.0	B9	12/24	640	B8-B9 800/50	fine
00 10E	$65^{\circ} 49'$	1+	7.1	B5e β	12/24	640	Hd-Be 800/50*	
03 32E	$+59^{\circ} 32'$	1+	8.2	B3e	12/12/12	640	Hd-Be Field difficult but checks 800/50	fine
00 46W	$+65^{\circ} 49'$	2	7.1	B5e β	12/12/12	640	Hd-Be 800/50 ⁵³	fine
02 31W	$+62^{\circ} 02'$	1-2	8.2	B3e	12/12/12	640	Hd-Be 800/50	grainy
1.08W	$+50.32$	2	4.19	30p	12/12/12	G10	Hd Special 100/28	grainy
2.26W	$+56.23^{\circ}$	2	3.34	160 II	12/12/12	G10	Std Velocity - G.12 100/100	fine
1.20W	$+49.48$	0-	2.27	F5 Ib	12/12	G10	Std Velocity - G.12 100/60	fine
Clouded over 2:30							Dec Setting Motor Jammed.	
High winds + fast moving clouds, uncertain of weather.							I - Fixed it - + Clouded over 1:00 clear 2:20	
closed up at 02:40								
							Doom Cuts quite a bit after stopping.	
							* Material didn't put in plate into plateholder!!	
							Guess I misunderstood what he said Db.	

A:
H:
W:

Ar.
Hb.

Dome Temp
Focus 4
Dome Temp

Hour Angle
End

Dome Temp. 38°FFocus 44.5'

Dome Temp.

Transparency Conditions

For - Thin overcast.

72

Little rechargeable flash light
needs replacementExposure Meter Dial Reading does not drop to 0 - only 0.3
T₂ may be frogeding Time
E.S.T.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
13	01 13 E	+61° 16'	0"	6.4	B8	10/12/12 640	B8-B9	seeing extremely bad. ↓ from 44.5'	one and a half fine
14	01 00 E	"	0"	"	"	12/12/12 "	B8-B9	800/60	fine
53	02 42 E	+68° 25'	0"	6.28	B8	12/12/12 640	B8-B9	(see note for Hander)	800/60 fine
16	02 16 E	+57° 01'	"	6.46	B9	12/12/12 640	B8-B9	[Identity uncertain]	800/40 fine
27	01 54 E	+50° 38'	0"	5.37	B8	12/25' 640	B8-B9	CLOUDS	200/60 weak

Date Oct 31 / Nov 1

Observer

In
Wd
.....
Va

Julian Day

[illegible]

Dome Temp. 45°

Focus

Dome Temp. 1

Transparency Conditions

quite hazy esp on horizon,
cloudy at 20:18.
ended 30:01 at this timeing Time
EST.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
3				—	5/5	none	Focus 30 red; Plate broke	in in out-out end of has no number in "For Focus Test Only Box"
0016 E	+62 55	○	7.7	B4II	9/9/9	G10	Hd Special.	Clouds, small or out of focus. 800/332 OK but darker
			3.98	K2Ib		G10	Clouded up.	
							Closed up 20:45	
							light rain at 20:50:	plate found broken when unloaded. — broke while in spectrograph?

75

Date Nov. 4-5 Fri/Sat Observer L-Bn/HB ^{wd} Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
30102	H.D. 217050	22 52.7	48 09	G40	IIAob	13	31	19 40	19 44	A	0 35
30103	" 219749	23 13.2	44 57	"	"	"	"	20 07	20 15	A	0 23
	" 3827	00 35.8	39 03	"	"	"	"	20 27			
30104	HD 13661	02 08.1	54 04	"	"	"	"	23 44	00 32	C	0 18W
30105	HD 23950	03 44.0	+21 57	"	"	17		00 40	00 47	A	0 21E
30106	HD 24769	03 51.2	+22 54	"	"	17		00 51	00 58 1/2	B	0 13E
↖ 30108	HD 25152	03 54.7	+36 44	"	"	17		01 14	01 24	A	0 09W
↘ 30107	HD 26571	04 07.0	+22 09	"	"	17		01 02	01 10	C	0 01E
30109	HD 27026	04 11.2	+41 54	"	"	17		01 27	01 33	B	00 04E
30110	HD 29721	04 35.7	+49 47	"	"	"		01 38	01 44 1/2	C	00 17E
30111	HD 28459	04 24.2	+32 14	"	"	"		01 51	02 00	A	00 01E
30112	HD 30122	04 35.7	+23 27	"	"	"		02 04	02 11	B	00 08E
30113	HD 28475	04 24.2	+10 18	"	"	"		02 16	02 26	C	0 37E
30114	HD 31373	04 50.2	+14 54	"	"	"		02 29	02 33	A	0 18E
30115	HD 31764	04 53.4	+14 24	"	"	"		02 36	02 41	B	00 23E
30116	HD 31747	04 53.3	+14 24	"	"	"		02 42	03 01	C	0 43E

Dome Temp.

Focus 43.5

Dome Temp.

Transparency Conditions

0140 - light cloud in east.

76

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0 35E	48 32	0	5.2	B3ne	36	C40	Hd be Prog.	20/400 fine
0 23E	45 18	0	6.3	B9p	36		B8 B9 Prog	20/400 fine
			7.72	B3-12-			GH Prog, cloude.	20/400 *
00 58W	59 24	0+	8.6	B3ne	12-12/12		Hd be Prog.	50/800 strong
00 21E	+22° 11'	0	5.90	B9	12/12/12	640	B8-B9 (d+e)	50/800 fine s
00 18E	+23 07	0	5.96	B9	12/12/12		"	50/800 fine
00 03W	+36 57	0-1	6.31	B9	12/12/12		"	50/800 fine
00 22E	+22 22	0	6.11	B8	12/12/12		" (d+e)	50/800 guiding
00 04E	+42 05	0-1	6.07	B8	12/12/12		" (fogged?)	50/800 fine s
00 18E	+49 56	0	5.8	B8	12/12/12		"	" fine
00 10W	+32 24	0	6.17	B9	12/12/12		"	" fine
00 06W	+23 35	0	6.12	B8	12/12/12		"	" fine
00 37W	+10 29	0	6.5	B9	12/12/12		"	" fine
00 18W	+15 02	0	5.69	B8	12/12/12		"	" fine
00 23W	+14 32	0	5.93	B8	12/12/12		" (d+e)	" fine s
00 43W	+14 33	0	8.0	B9	12/12/12		B8-B9 (special) (d+e)	" fine

Date Nov. 5 Sat (AM) Observer Hb, Wd Julian Day 173

[illegible]

Dome Temp. T_{30}

Transparency Conditions

Focus

0330 - Excellent

Dome Temp. 28.5

ing Time E.S.T.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
18	A	00 ^h 39 ^m W	-18° 30'	0	6.12	B8	12/12/12	40	B8-B9	50/800 fine w
33	B	00 ^h 55 W	-18 29'	0 ⁺	6.31	B8	12/12/12	"	"	50/800 fine w
43	C	01 ^h 51 W	-03 12	0 ⁺	5.89	B9	12/12/12	"	"	fine s
55	A	01 ^h 34 W	+01 38	0	6.16	B8	12/12/12	"	" close double (B→red)	fine s
04	B	01 ^h 36 W	-08 38	0 ⁺	5.62	B8	12/12/12	"	" close double	fine
19	C	01 ^h 38 W	-13 44	0	6.42	B8	12/12/12	"	"	fine
30	A	01 ^h 55 W	+01 59	0	6.35	B9	12/12/12	"	"	fine
43		02 ^h 13 W	+00 32	0-1	6.56	B9	12/12/12	"	"	fine
54		02 ^h 15 W	-05 22	0-1	6.27	B9	12/12/12	"	"	fine
06	A	02 ^h 22 W	-00 32	0	6.23	B9	12/12/12	"	"	fine
17		02 ^h 32 W	-05 31	0-1	6.11	B9	12/12/12	"	"	fine
27	C	02 ^h 42 W	+06 54	0	6.37	B9	12/12/12	"	"	fine
					6.3	B9		"	North pier in way	
535	A	02 ^h 00 W	-13 38	0	4.97	B9	18/18	"	"	fine
549	A	02 ^h 15 W	+01 10	0	6.57	B8	12/12/12	"	B8-B9 calibration for 30110-22 50/800	fine
							5/5	W12	calibration for 30106-09, 23-31	

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Date Nov. 6. Sun (A.M.) Observer Hb, Vm Rm Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30131	HD 23950	03 44.0	+21 57	G40	Tab	17	300F	00 29	00 35	A
30132	HD 24769	03 51.2	+22 54	"	"	"	"	00 37	00 42	B
30133	HD 26571	04 07.0	+22 09	"	"	"	"	00 45	00 49	C
30134	HD 25152	03 54.7	+36 44	"	"	"	"	00 52	00 57	A
30135	HD 27026	04 11.2	+41 54	"	"	"	"	01 01	01 05	B
30136	HD 29721	04 35.7	+49 47	"	"	"	"	01 09	01 13	C
30137	HD 28459	04 24.2	+32 14	"	"	"	"	01 20	01 25	A
30138	HD 30122	04 35.7	+23 27	"	"	"	"	01 29	01 34	B
30139	HD 28475	04 24.2	+10 18	"	"	"	"	01 42	01 51	C
30140	HD 31373	04 50.2	+14 54	"	"	"	"	01 53	01 57	A
30141	HD 31764	04 53.4	+14 24	"	"	"	"	02 00	02 04	B
30142	HD 31747	04 53.3	+14 24	"	"	"	"	02 06	02 22	C
30143	HD 34788	05 14.9	-18 37	"	"	"	"	02 26	02 33	A
30144	HD 34797	05 14.9	-18 36	"	"	"	"	02 39	02 50	B
30145	HD 35104	05 17.2	-13 51	"	"	"	"	03 03	03 18	C
30146	HD 33224	05 03.6	-08 47	"	"	"	"	03 26	03 31	A

Dome Temp. 32.9

Focus 43.5

Dome Temp.

Transparency Conditions

Cloud - S and E - Fair⁸⁰
0040 - improving, good seeing
0200 - excellent

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 31 E	+22 12	1	5.9	B9	12/12/12	640	B8-B9 Prog (d+e) 800/50	fine
00 31 E	+23 07	1	5.96	B9	12/12/12	"	" " " "	fine
00 35 E	+22 22	1-2	6.11	B8	12/12/12	"	" (d+e) " "	fine
00 20 E	+36 57	1-2	6.31	B9	12/12/12	"	" " " "	fine
00 29 E	+42 05	1-2	6.07	B8	12/12/12	"	" " " "	fine
00 16 E	+49 56	1-2	5.8	B8	12/12/12	"	" " " "	fine
00 21 E	+32 25	1-2	6.17	B9	12/12/12	"	" " " " 50/800	fine
00 26 E	+23 35	1-2	6.12	B8	12/12/12	"	" " " " " "	fine
00 05 W	+10 29	1-2	6.5	B9	12/12/12	"	" (held up by phone call) " "	fine
00 13 E	+15 02	1-2	5.69	B8	12/12/12	"	" " " " " "	fine
00 10 E	+14 32	1-2	5.53	B8	12/12/12	"	" (d+e) " "	fine
00 02 W	+14 32	1-2	8.0	B9	12/12/12	"	" [Special] (d+e) " "	fine
00 09 W	-13 30	0	6.12	B8	12/12/12	"	" " " " " "	fine
00 10 W	-13 20	0	6.31	B8	12/12/12	"	" " " " " "	fine
00 04 W	-13 44	0	6.42	B8	12/12/12	"	" [Vr + ...] " "	fine
00 07 W	-8 40	0	5.62	B8	12/12/12	"	" " " " " "	fine

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Date Nov. 6 Sunday Observer Hb, Jr, Rm Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30147	HD 32273	4h 56 ^m .8	+01° 28'	Q40	IIaOb	17	-	03.34	03.40	B
30148	HD 34317	5h 11 ^m .5	+01° 50'				-	03.43	03.49	C
30149	HD 33647	5h 06.6	+00° 24'				-	03.51	03.59	A
30150	HD 35548	5h 20.4	-00° 38'				-	04.01	04.09	B
30151	HD 34880	5h 15.5	-05° 28'				-	04.12	04.20	C
30152	HD 35640	5h 21.1	-05° 37'				-	04.23	04.30	A
30153	HD 35656	5 ^h 21.2	+0° 47'				-	04.30	04.39	B
30154	HD 58346	7 ^h 20.1	-22° 43'				-	04.43	04.55	C
30155	HD 58612	7 ^h 21.2	-25° 01'				-	04.59	05.07	B
30156	HD 59136	7 ^h 23.5	-22° 39'				-	05.10	05.18	B
30157	HD 61429	7 ^h 34.1	-25° 08'				-	05.21	05.24	C
30158	HD 71833	8 ^h 24.4	-20° 37'				-	05.30	05 ^h 41	A
30159	HD 67725	9 ^h 04.2	-11° 03'				-	05.44	05 ^h 50	B
30160	HD 63102	7 ^h 42.1	-12° 26'				-	05.54	06 02	C
30160 T ₁	for plates						-			A
30160 T ₂	for plates						-			
30160 T ₃	for plates						-			

Dome Temp

Focus

Dome Temp

Hour Angle
End

Dome Temp.

Transparency Conditions

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Focus

Dome Temp.

ing Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
10.3	01:27W	+01.36	0+	6.16	B8	12/12/12	G40	B2-B9 50/800	fine
49 C	01:17W	+01.57	1	6.35	B9	12/12/12		"	fine
59 A	01 ^h 32W	+00.31	1	6.56	B9	12/12/12		"	fine
4	01 ^h 39W	-00.33	1	6.23	B9	12/12/12		"	fine
4.52 C	01 ^h 44W	-05.23	0-1	6.27	B9	12/12/12		"	fine
4.32 A	01 ^h 49W	-05.31	0	6.11	B9	12/12/12		"	fine
0	01 ^h 58W	+06.54	0	6.37	B9	12/12/12		"	fine
4.5	00 ^h 16W	-22.47	0	5.8	B8	12/12/12		"	fine
5.07	00 ^h 23W	-25.05	0	5.5	B9	12/12/12		"	fine
5.1	00 ^h 36W	-22.44	0	5.5	B8	12/12/12		"	fine
5.21	00 ^h 43W	-25.14	0	5.49	B8	12/12/12		"	lucak
5 ^h	00 ^h 05E	-20.48	1	6.4	B8	12/12/12		"	fine
5.5	00 ^h 27W	-11.12	0-1	6.23	B9	12/12/12		"	fine
6.1	00 ^h 01W	-12.34	0-1	6.37	B8	12/12/12	G40	"	fine
						50/50		four test	

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Date 12.13.2016
Sat - Sun

Observer

mcl / Cr
Rm
- 1/2

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30160 F ₂	four star in in/outband			G40	Ilford	13	38			A
F ₃				"	"	"	"			B
F ₄				"	"	"	"			C
F ₅							"			A
F ₆							"			B
F ₇							"			C
473-1									22 15	
473-4									23 00	
30161	HD 224014 P Cass	23	49.4 +56 56.6	G40	Ilford	13	34°F	00:04	00 10	A
30162	HD 3827	0	35.8 +39 03	G40	Ilford	17	-	0 16	00 53	B
30163	HD 25348	3	56.6 +53 03	G40	Ilford	17	-	1 00	02 00	C
30164	BD +28 1148	5	55.0 +23 20	G40	Ilford	17	32°F	2 09	03 19	A
30165	HD 42908	06	08.3 +08 44	G40	"	17	31	03 24	04 07	B
30166	HD 44458	06	16.8 -11 44	G40	"	17	-	04 14	04 18	C
30167	BD +05 1291	06	27.6 +05 50	G40	"	17	-	04 25	04 19	
30167E	four star	2h - in	16.8 -11 44	"	"	17	28.5			

Dome Temp. 38°F

Focus

Dome Temp.

Transparency Conditions

Clouds early in evening 84
occasional clouds from N.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
					5/5	G12	focus 43.5	(badly)
					5/5	"	focus 43.0	OK
					5/5	"	focus 42.5	OK
					"	"	focus 42.0	
					"	"	focus 41.5	(w/ sl & tone)
					"	"	focus 41.0	OK
							BEST FOCUS FOR 40°F APPEARS	
							70 BE 41.0	
							(TELESCOPE IN BALANCE IN R.A.)	
							WT Special focus 41.0	fine
							200/15	
							SLIDE MISSING. ANSON?	
							800/50	
							OK, GOT IT	
							800/50	
							focus 40.0	
							800/50	
							800/10	
							400/25	
							800/32	
							focus 41.0	

Clouds from the north

215								
1300								
0010	3 27W	?	4.59	F8Iap	36	G40	WT Special	fine
0053	3 23W	39 25	0	7.72	B3	12-12-12	G40	fine
0200	1 09W	53 16	0	8.55	B3I	12-12-12	G40	fine
0317	1 30W	73 24	0	8.93	B3I	12-12-12	G40	fine
0407	1 05W	105 45	0	8.22	B3I	12-12-12	G40	fine
0408	1 09W	11 43	0	5.62	B3I	pe	36	fine
0619	2 51W	105 53	0	9.72	B3I	pe	12-12-12	fine
					5/5	10.0		

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Date 13-14 Nov 1966 - sun from Observer Fa Wise Julian Day 17

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30167 F ₂	focus test in in/out			G40	Ilab	17	32°F			A
30168	HD 174567	18 ^h 46.0	31° 31'	G40	Ilab	17	32°F	17 ^h 49 ^m	17 ^h 56 ^m	B
30169	HD 187640	19 ^h 45.9	28° 12'	G40	Ilab	17	31°F	18 ^h 05 ^m	18 ^h 24 ^m	C
30170	HD 199280	20^h 51.1	-03° 57'	G40	Ilab	17	31°F			A

15 Nov 1966 Tuesday HB, JOR

30169 F ₁	focus test in in/out			G40	Ilab	17	30°F			C
" F ₂				G40	"	"	"			"
" F ₃				G40	"	"	"			"
" F ₄				G40	Ilab	17	30°F			C

Dome Temp. $36^{\circ}F$ Focus 40.0

Dome Temp.

Transparency Conditions *clouds in w at sunset.*

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Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
					5/5	G10		sl center to red.
21	$31^{\circ} 37'$	0	6.5	B9	12-12-12	G40	B8-B9 800/50	fine
49	$28^{\circ} 23'$	0	6.24	B8	12-12-12	G40	B8-B9 CLOUDS 800/50	fine
			6.45	B9				
					5/5	G10	forms set 38 not clamped	sl center
					"	"	" " 38 clamped	sl center
					"	"	" " 39 "	OK
					"	"	" " 40 "	sl center

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Date 1966 Nov 19/20 Sat-Sun Observer El - Wd Julian Day PH

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
30169 F ₅	Irms Test			G40	103a0	17	30				
30170	HD 204722	21. 25.5	+43 54	G40	IIa0B	17	30	17 47 ²⁰	18 27 ⁴⁰	A	8 11 W
30171	HD 99931	20. 48.6	+44 03	G40	Ic03	17		18 39 ³²	19 59		
30172	BD +17 3656	21 57.1	+47 42	G40	Ic0B	17	29	20 05 ²	21 19	C	12 1
30173	p Cas	23 49.4	+56 57	G40	IIc0B	13L	28	21 25 ¹⁸	21 29		13 34
30174	HD 13669	02 08.2	+55 20	G40	IIc0B	17		21 37 ⁷	22 13		16 26
30175	HD 58010	05 37.5	+25 24	G40	IIc0B	17L		22 28 ²⁰	22 42	C	17 5
30176	HD 42908	06 08.3	+08 44	G40	IIc0B	17		22 52 ⁴⁶	23 32		18 11
30177	BD +05 1291	06 27.6	+05 52	G40	IIc0B	17		23 51 ⁵	01 23		19 30E
30178	BD +23° 1301	06 13.3	+23° 19'	G40	IIc0B	17		01 33 ⁷⁵	1 42	C	20 57E
30179	BD +0° 1177	05 ² 41.6	+0° 02'	G40	IIc0B	17		1: 50 ²⁷	4: 20	A	21 16W
30180	HD 55439	07 07.8	-09 40	G40	IIc0B	17		4: 50 ²	5: 23	B	21 41W
30181	HD 71833	08 24.4	-20 37	G40	IIc0B	17		5: 41 ³	5 44	C	22 50
30182	HD 74393	08 38.7	+4 42	"	"	17	24°	5: 50 ³	5: 55	A	22 52W
30183	HD 65241	07 52.7	+7 29	"	"	"	"	5: 57 ³	6: 15		23 146W
30184	HD 68099	08 05.9	+10 07	"	"	"	"	6: 19 ³	6: 15	C	23 143W

Dome Temp.

Focus

Dome Temp. 27°

Transparency Conditions

Excellent

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2nd half. - also excellent

ing Time
EST.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
			Trans	38.0		5/1	Q10	sl. etc. vi	
30	36 W	-44 15	0	7.64	B2I _e	12-24	G40	Cn Be Trans 37.0 800/NOT WORKING	strong
2	45 W	44 21	0	9.31	B1I _e	12-12-12	G40	Cn Be hi voltage was H-on 2 channel phot.	l. weak
19	56 W	+48 03	0-1	9.23	B3.5I _e	12-12-12	G40	Cn Be 800/50	fine
29	13 W	+57 21	1	4.6	F8I _e	16-16	G40	Wt Special 200/15	fine
10	0 22 E	+55 40	1	5.25	B2.5I _e	12-12-12	G40	Cn Be 800/50	fine
2	3 22 E	+25 24	1	6.87	B1I _e	12-12-12	Q10	Cn Be 800/10	fine
2	3 36	+08 45	1	8.22	B3.5I _e	12-12-12	G40	Cn Be ✓ set on 42259 but not aimed field 800/10	fine
1	23 1 30 E	+05 53	0	9.72	P0I _e	12-12-12	G40	Cn Be Guider acting up. - O.K. 800/50	sl. wk
	0 57 E	+23 19	0	7.0	B9I _e	12-12-12	G40	Re Dust 800/50	fine
1	2 15 W	+0° 05'	0	11.0	B8	12-12-12	G40	Re Dust. (field drawn) 800/50	l. wk
5	23 1 41 W	-9° 44'	0	8.58	B3e	12-12-12	G40	Cn Be 800/50	l. wk
5	4 0 55 W	-20° 47'	0	6.4	B8	12-12-12	G40	B8-B9 - field not exactly same, coords 800/50	wk
5	5 0 52 W	+4° 30'	0	6.21	B.8	12-12-12	G40	B8-B9 much, so took out many stars. 800/50	fine
6	1 46 W	+7° 21'	0	6.3	B9	12-12-12	G40	B8-B9 800/50	l. wk
1	1 43 W	9° 58'	0	6.05	B9	12-12	G40	B8-B9 / Focus test. — 6-12 800/50	fine
								(30184 F. and) + 5/51 A, 800/50	

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Date 20/21 Sun/Mon Observer mf. / RM / H. / M. / Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
³⁰¹⁸⁴ F2	Focus Test			G40	Ilab	17	30			A	
30185	¹⁸⁷ 187640	19 ^h 45 ^m .9	+28°12'	G40	"	13	30	18 25	18 40	B	2 33
30186	¹⁹² 192666	20 10.9	-12.39	G40	Ilab	13		18 50	19 29	C	2 ^h 56
30187	¹⁹⁹ 199280	20 51.1	-03 57	G40	Ilab	13		19 30 (19 42)	19 58	A	2 44
474-1									20 16		
474-50									06 24		
30183 T	calibration step wedge for plates				30170 - 30183		67°F				
30187 T	calibration step wedge for plates				30184 - 30187		67°F				

Dome Temp.

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ing Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
A									
10	2 ^h 33 W	+28° 24'	0	6.74 B8	12-12-12	G40	B8-B9	Focus 37.0 5/5 G10 800/59	c to v fine
11	2 ^h 56 W	-12° 22'	0	6.37 B7	12-12-12	G40	B8-B9	NOT IDENTIFIED Field wrong star drawn 800/50	OK
18	2 ^h 44 W	-3° 38'	0	6.45 B9	12-12	G40	B8-B9	Focus 36.5 800/50	red rock
16			0-1					Clouds in South ~ 21:30	
24			1-2						

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Date Mon/Tues Nov 21/22/66 Observer Wd / mbl / Re Julian Day 13

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	How Ang End
30187 F F,	Focus Test			G40	Il20B	17	32			A	Focus
	MWC 346										
30188	HD 195407	20 ^h 26.0 ^m	+36° 39'	G40	Il20B	17	-	17 ^h 57 ^m	18 ^h 5 ^m	A	
	MWC 371										
30189	HL 205060	21 ^h 27.7	+42° 16'	G40	Il20B	13	32	19 ^h 20 ^m	19 ^h 20 ^m	F	
30190	HD 4685	00 ^h 43.8	+40° 33'	G40	Il20B	17	-	19 ^h 45 ^m	20 ^h 33 ^m	C	
30191	HD 3827	00 ^h 35.8	+39° 03'	G40	Il20B	17	-	23 ^h 32 ^m	23 ^h 57 ^m	A	
	475-1								20:40		
	475-14								23:11		
30192	BD +22° 970	5 ^h 17.9	32° 43'	G40	Il20B	17	32	00 ^h 21 ^m	2:58	C	
30193	+23° 1301	06 13.3	+23° 19'	G40	Il20B	17		03 02	3:10	B	
30194	-08° 1664	06 55.7	-08° 43'	-	-	-		03 13	3:50	C	
30195	+01° 1503	06 41.7	+01° 26'	-	-	-		03 56	05 54	B	
30195 T	calibration strip under for plates 30188-30195										
30195 F,	Focus.	Tues Nov 22		G40	36°F Temp	13		Hd, Re,		B	

Dome Temp.

② setting a known EST

2 plate-holders left in dome's dark room

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Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
Focus 38.						G10	5/5 in in/out out - developed 'OK'	
2 ^h 13 ^m W	+36° 54'	1-	7.7	B3c	12/12/12	G40	Re program H/d, star off slit 800/50 fine	
1 ^h 50 ^m W	42° 36'	1+	7.1	B5c	12/12/12	G40	for a few min. 800/50 d. strg	
2 ^h 30 ^m E	40° 56'	2+3	8.18	K	12/12/12	G40	M31 PROG (#1) Re inst. [for the above, exposure] 800/80 fine	
3 ^h 4 ^m W	39° 28'	2-	7.72	B3	12/12/12	G40	G.H. Program (Re) 800/50 d. strg	
		2-3					fuzzy	
		2-3						
1 ^h 21 ^m W	+32° 48'	2?	11.07	AS:	12/12/12	G40	EXP. METER ERRATIC Re "DUST" NO 39 Field checks. 800/X l. wk	
37 ^m W	23° 15'	3+	7.0	B9 II	12/12/12	G40	Re "DUST" NO 75 STAR LOST IN SLIT!! 800/45 fine	
38 ^m W	-08° 47'	2	9.9	B8	12/12/12	-	Re "DUST" NO 87a 800/45 fine	
255 W	+01° 03'	1-2	10.5	B3	12/12/12		Re "DUST" NO 85 METER?!? Field checks 800/X l. wk	
							0600 close up	
Setting 38.								Focus OK
							2 loaded PH in U.P.	
							WHAT THIS DONE NEEDS IS A GOOD \$500 PENCIL - SHARPENER!	

Date Tues Nov 22-23/66

Observer

Julian Day

[illegible]

Dome Temp. 38

Focus 38

Dome Temp.

Transparency Conditions

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ing Time
E.S.T.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

B9 12- G40 clouds

PLATE HOLDERS B + C are in the cupboard in the North Pier

Date 1/2 Dec Thurs/Fri

Observer

mol

- 9401

Julian Day

[illegible]

Dome Temp. 10°F

Transparency Conditions *Very Good. Almost full moon*
05:30 EST Clouds. 96

[illegible]

Dome Temp.

Transparency Conditions

98

21.00 - 1st half ropeloss -
02.15 - ropeloss - clowb

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
4								
56								
A					5/5	G10	focus 37.0	isolated
B					5/5	G10	36.0	isolated
C					5/5	G10	35.0	isolated
A	164° 10'		6.01	B9		G40	B8-B9	clouds

Plate Holder B in N.P.

Date 3-4 Dec / 66

Observer ^{DB, EL} / ^{WD}
^{McL} / ^{Ph}

Julian Day

[illegible]

Dome Temp. 08°Transparency Conditions Low Haze in the West

100

Focus

Dome Temp.

Ending Time
EST.

1752

02 28

351

637

A

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Flt	REMARKS	Quality
		0-1 1-2					Developed - center slightly to right.	
						G10	5 in / 5 out ... Setting 34.0	
							Re Dust.	
							Could not find star in guiding eyepiece - checked Bet. (x Ori) - could not find in guiding eyepiece either - saw it on fringe - suspect alignment of optics is off??	
							- "DECKER" FOR ADJUSTING SCIT LENGTH WAS IN EXTREME UPPER POSITION - LIKELY AFTER FOCUS TEST WAS TAKEN - ALL OK NOW	

101

Date 11-12 Dec/66 - San/Mex Observer M. C.

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.F.	Hour Angle End
3019 ⁶ 7	H1011905	01	51.9 +41° 12	G40	IIaOb	17	26°F	20:54	21:05	B	20 ^h 13
30197	HD 224014 9 Cores	23	49.4 56° 56.6	G40	IIaOb	13		21:13	21:18 ¹⁹	C	20 ^h 20
30198	H1023950	03	44.0 +21 57	G40	IIaOb	17	26°F	21:29	21:34	A	21:18
30198F,	from test in in/out out			G40	IIaOb	17	26°F			B	
30198T,	calibration step wedge for plates							30196 -	30198		

Dome Temp. $29^{\circ}F$ Focus 370 Dome Temp. $26^{\circ}F$

Transparency Conditions

chasing at 20:00 102
* shutters opened only with great difficulty
* Dome stuck at first (shutter closed OK)

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
05 B 10 ^H 13	41 35	0 ⁻	6.56	B9	12-12-12	G40	B8-B9 (SB) 400/25	guiding sluck
19 C 02 ^H 29	57 20	0 ⁻	4.59	F85...	40	G40	WT * 400/30	sluck
34 A 1:13-8?	22 07	0 ⁻	5.90	B9	12-12	G40	B8-B9 (main prog) 800/50	sluck
B					5/5	G10	↑ exposure stopped due to clouds. closed up completely 23:30	sluck
							PH C loaded - in 4 files	

103:

Med
wd
Vx

Date 12-13 Dec
Mon. Tue

Observer

Julian Day

[illegible]

Dome Temp.

104

ing Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 00						5/5	G10	Focus. 37.5 37.0	OK
								Clouded Over.	

105

Date Thurs Dec 13-14/66 Observer Ad Re Ea Julian Day 2439.473
for me

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
30198F ₃	<i>sum</i>			G40	Ilad B	13	26 F		<i>Trans 37</i>	A	
30199	HD 192666	20 10.9	-12 39	"	"	"		17 39	17:59	B	2:55
30200	HD 199280	20 51.1	-3 57	"	"	"		18 17	19 01	C	3:18
30201	17 Tau	03 29	+23 48	"	Ilad B	13		23 08	23 08 1/2	A	00:38
30202 01	"	"	"	"	"	"		23 10	23 11	C	00:40
30203 02	HR 1212	03 56.1	+58 53	"	"	"		23 19	23 29	B	?/wo
30204 03	"	"	"	"	Ilad	"		23 30	23 34	A	?/wo
05 04	"	"	"	"	"	"		23 36	23 37	B	00:48
06 05	HR 1327	04 11.3	+44 54	"	Ilad	"		23 42	23 47	C	?/wo
07 06	ICam A	04 24.1	+53 42	"	"	"		23 51	23:56	A	00:38
08 07	"	"	"	"	"	"		23:57	0:00	B	?/wo
09 08	n Aur	04 59.5	+41 06	"	"	"		00 05	00 05.5	A	?/wo
10 09	B Tau	05 20.0	+28 31	"	"	"		00 09	0:11	B	00:01
11	q Aur	05 26.2	+32 07	"	"	"		"	"	"	"
302 ⁰⁹ F ₁	from test in in/out and			G40	Ilad	13	28 F			A	

Dome Temp.

Focus

Dome Temp.

Transparency Conditions *Partly Cloudy*

106

*cloudy after midnight
still cloudy at 03:00*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
								STRONG
2 ^h 55 ^m W	12° 23'	1	6.39	B9	12.24	G40	B8-B9 clouds down line Too close to platform	OK (comp & spec) weak
3 18 W	-3 36(!)	1	6.45	B9	12-12-12"		B8-B9 field doesn't look right / clouds getting thicker	weak comp. slat aspect
		OK						
0038 W	+24° 04'		3.69	B6 III		G40"	MK Std 1/4 N 400/7	NO COMP.
0040 W	"		3.69	B6 III	30	G40'	MK Std 1/4 N 400/7	OK
? (W 0:43)	+59° 05'		5.03	F0 II	7	G10	MIL Std 1/2 N field flatter? 400/20	OK
? (W 0:43)	"		"	"	7	G10	MK 1/2 N 400/20	OK
0048 W	?		"	"	7	G10	MK 1/4 N 400/10	OK
? (W 0:42) (scale 1/2)	?		6.08	G5 III	7	G10	MIL 1/2 N 400/20	OK
0038	53 50		5.40	B0 II	7	G10	MIL 1/2 N BINARY 400/15	OK guiding
? (p. 42w)	"		"	"	7	G10	MK 1/4 N 400/8	OK
? (W 0:42) (scale)	?	3		B3 V	7	G10	MK 1/4 N 400/8	guiding OK
0:01	?	3		B7 III	7	G10	MIL 1/4 N 400/8	guiding OK
				B5 Ia			MK 1/4 N clouds! 400/8	
29239 F1 was placed in comp., unlabeled box				5/5	G10		focus 37 closed up	OK 10:00

Date Observer Julian Day

Dome Temp

Focus

Dome Terr

[illegible]

Dome Temp.

Transparency Conditions

108

[illegible]

Date Tue Dec 16/1966 Observer Re Julian Day 2439475.719

[illegible]

Dome Temp.

110

ing Time E.S.T.		Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
020	A	W0:34.0	?	1	2.80	A3III	7	G10	MIL 1/2 N. 400/15	.0 L
	B			1	"	"	"	"	MIL 1/2 N copied 0030 → X 400/C	
									cloud up at 0220	

III.
Date Sun/Mon, Dec 18/66 Observer Db/Ms., Ri Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
20311	MWC 397	23 02.6	+49 40		Ilao	13L	27°	17 54	17 59		
30211				640	<u>Ilao</u>						
30311	p Cas	23 49.4	+56 56		<u>Unfaded</u>	13XL	27°	18 09	18 25	A	00 03
30212											
30212	HD 4180	00 39.2	+47 44	640	Ilao	13XL	26°	18 43	18 58	C	01 46
30213											
30313	HD 6343	00 59.4	+65 26	640	Ilao	13XL	24°	19 15	19 40	B	01 46
30213							20°				
30313 F											
30214	HD 21650	3 24.6									
30314	HD 8105	4 25.7	41 25	640	Ilao	13XL	20°	21 37	22 26		01 30
30215		4 05.7									
30315	HD 20420	4 13.3	41 52	640	Ilao	17	20°	22 36	23 56		01 30
30316	HD 29866	04 37.3	40 36	640	Ilao						
30216											
30316	HD 29587	04 34.5	+41° 57'	640	Ilao	13	17°F	01:06	01:24	A	01 30
	RT AUR										
30217	HD 45412	06 22.1	+30° 30'	640	Ilao	13XL		01:36	02:01	3	01 30
18	HD 42035	06 03.4	+8° 41'	640	Ilao	17		02:06	02 29	C	01 50
19	HD 42657	06 06.8	-04° 38'	640	Ilao	17	15°F	02:34	02:57	A	02 19
20	HD 43362	06 10.7	-9 00	640	Ilao	17		03:01	03:31	B	02 49
22	HD 74393	08 38.7	+4° 42'	640	Ilao	17		04:17	04:35	A	01 25
21	HD 43461	06 11.2	+01 07	640	Ilao	17		03:36	04:13	C	03 31

VERY POOR SEEING !

Dome Temp.

Transparency Conditions

Focus

Dome Temp. 22° (23h)

Dazy sky! -
Clear sky at 21h.

1/2

ing Time EST.	Hour End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
			0 ⁼			10/	640	See too bad + clouds	
25	00 03W	57° 21'	0 ⁼	4.59	F8lap	36/6	640	Hd Be Prop. (subw?) moving in 800/50	
58	00 14E	48 07	0 ⁼	4.7	B3neβ	12/21	640	Watt - special star	very int comp.
60	00 14W	65 48	0 ⁼	7.1	B5eβ	12/24	640	Hd Be (HWC 407 HD 131 P. 200? Sec # 300 68. = 71 44° 10' star not in 46° 10' field)	"
						5/5	610	Focus test FOCUS 36.0	OK
226	00 29W	41° 39'	0	7.2	B3ne	12/12/12	640	WRONG STAR WRITTEN IN BOOK! Hd Be Prop. 800/50	fine
356	01 17W	42° 03'	0	7.6	B3ne	12/12/12	640	N. AT LEAST NOT RICH - Hd Be Prop. (Field drawn) 800/50	fine
124	2 17 W	42° 06'	0 ⁻	7.7	G2	12/12/12	G40	focus set 35.0 Std. Vel. some clouds	OK slightly poorer
2:01	1 06W	30° 34'	0 ⁻	~6	G0Ib	12/12/12	G40	FIELD CHECKS Fe #	fine
2:09	1 55W	+8° 43'	0 ⁻	6.43	B9	12/12/12	G40	138-739	fine
2:57	12:19	-4° 36'	0 ⁻	6.02	B9	14/12/12	G40	138-739	fine
3:21	2:49	-8° 58'	0 ⁻	6.01	B9	12/12/12	G40	138-739	fine
4:35	1:25	+4° 31'	0 ⁻	6.28	B8	12/12/12	G40	B8-B9 (SB) clouds 800/60	fine
4:13	3:31	+1° 09'	IMPOSSIBLE	6.57	B8	12/12/12	G40	138-739 some clouds CHECK 11 FIELD. 800/60	fine

113

Date MON DEC/19-1966 Observer Mce-Re Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	Hour Ang End
30223	HD 68099	08 05.9	+10° 07	G40	Π a06	17	14°	04:40 ⁷	04:54	B	w2:17
30225	HD 89449	10 14.3	+19 59	G40	Π a06	13		05:21 ²	05:24	A	w0:38
30224	HD 96314	11 01.1	-26 45	G40	Π a06	17		05:00 ⁸	05:15	C	E0:16
30226	HD 107348	12 15.4	-21 39	G40	Π a06	17		05:31 ⁵	05:41	B	E1:05
30227	HD 111226	12 42.6	-24 18	G40	Π a06	17		05:46 ¹⁷	06:20	C	E0:53
30228	HD 93427	10 42.1	65° 40'	G40	Π a06	17		06:27 ⁷	06:40	A	w1:21
30229	HD 115612	13 13.2	+68 56	G40	Π a06	17		06:47 ⁶	06:59	B	E0:44
30229 F ₁	focus test in air / out air			G40	Π a06	¹⁷ 17	11°F			C	
30229 T ₁	calibration step wedge				Π a0						
T ₂	calibration step wedge				Π a06						
T ₃	calibration step wedge				Π a06						

Dome Temp.

Focus $14^{\circ} 34.0$ Dome Temp. $90^{\circ} F$

Transparency Conditions

very good (some scattered clouds) ¹¹⁴

ing Time E.S.T.	PI	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1:54	B	2:17	$+9^{\circ} 39'$	0 ⁻	6.05	B9	12/12/12	G40	B8-B9 FOCUS SET 34.0 800/60	fine
2:24	A	10:38	$+20^{\circ} 03'$	0 ⁻	5.3	F5	40	G40	Std. Vel 400/45	fine
15	C	10:16	$-27^{\circ} 02'$	!	5.6	B8	12/12/12	G40	B8-B9 (SB) 800/60	not wh
41	B	1:05	$-21^{\circ} 59'$	"	5.25	B8	12/12/12	G40	B8-B9 (main prog) 800/60	fine
20	C	10:53	$-24^{\circ} 37'$	"	7.1	B9	12/12/12	G40	B8-B9 (SB) 800/60	fine
40	A	11:27	$65^{\circ} 21'$	0 ⁻	6.22	B9	12/12/12	G40	B8-B9 (main prog) 800/65	fine
6:59	B	10:44	$68^{\circ} 35'$	0 ⁻	6.09	B9	12/12/12	G40	B8-B9 " * 800/60	slightly reddish
							5/5	G10	DAWN	OK
									shutter sticky in closing	
									* sky visible on slit	
									for plate # 30211	
									for plates 30212 - 30222	
									for plates 30223 - 30229	

115.

June 9/78 (D. Hube): JD's as marked on plate covers for this night are in error. Correct by -1.000

Date Dec 21/22 Observer SL / Re Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30230	HD 23950	3 ^h 44.0	+21 57'	G40	IIaOb	17	23°	22 13	22 22	A
30231	HD 24769	3 51.2	+22 54	G40	IIaOb	17		22 27	22 33	B
30232	HD 26571	4 07.0	22 09	G40	IIaOb	"		22 36	22 43	C
30233	HD 25152	3 54.7	+36 44	G"	"	"		22 48	22 56	A
30234	HD 27026	4 11.2	41 54	"	"	"		22 59	23 06	D
30235	HD 29721	4 35.7	49 47	"	"	"		23 12	23 16	C
30236	HD 28459	4 29.2	32 14	"	"	"		23 23	23 31	A
30237	HD 30122	4 39.7	23 27	"	"	"		23 35	23 43	B
30238	HD 28475	4 24.2	10 18	"	"	"		23 49	00 00	C
30239	BD-6 1417	6 03.2	-06°12	"	"	17		00 15	02 15	A
30340	BD-6 1418	6 03.2	-06°21	"	"	"		02 17		F
30239T,	calibration strip	undlgc			IIaOb					

Dome Temp. 23°

Focus 36

Dome Temp.

longest night of year

Transparency Conditions

completely cloudy til 21 hr
clear except for SW 116

Shy Fine after 0000

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
2 22 A	17W	+22 12	0	5.90	B9	12/12/12	G40	H6 B8 B9 (d+e) all " 800/50	fine
2 33 B	22W	+23 07		5.96	B9	12/12/12	G40	" " hand-	fine
2 43 C	16W	22 23		6.11	B8	12/12/12	G40	" " guided	not ok
2 56 A	41W	36 57		6.31	B9	12/12/12	"	" " "	fine
3 06 B	34W	42 06		6.07	B8	12/12/12	"	" " "	fine
3 16 C	19W	49 57	1	5.8	B8	12/12/12	"	" " "	guiding not ok
3 31 A	45W	32 25		6.17	B9	12/12/12	"	" " "	not ok
3 43 B	44W	23 37		6.12	B8	12/12/12	"	" " "	not ok
0 00 C	16W	+10 30	1	5.5	B9	12/12/12	"	" " "	weak
2 15 A	153W	-06° 11'	1	10.1	B9	12/12/12	"	Re "DUST" NO 68 field checks! 800/45	not guiding weak
			1	9.7	(B)	12/		Re "DUST" NO 69 field checks! ** 800/45	

Clamping in at 0230 Throw last plate away

Close up

for plate 30330 - 30339

** Red warning light does not turn on when plate unarrived.

117
Date Dec 22/23 Observer Jn/Ri Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30240	HD 44637	06 17.7	+15°09'	G40	Il'ob	13xL	17°	00 34 ⁵⁶	02 26	A
30241	^{Rt Aur} HD 45412	06 22.1	+30°33'	G40	Il'ob	13xL	14°	02 38 ⁷	02 52	B
30242	HD 71833	08 24.4	-20°37'	G46	Il'ob	17		03 13 ²⁰	03 53	C
30243	HD 74393	08 38.7	+4°42'	G40	Il'ob	17		04 02 ⁹	04 20	A
30243 ^{43 F}	Focus test			G40	Il'ob	17	10°			B
30244 ⁴³	HD 71906	08 24.8	+37°36'	G46	Il'ob	17		04 37 ⁶	4 49	C
30245 ⁴⁴	^{HD} 81797	09 22.7	-08°14'	G40	"	13		04 59 ⁵	05 09	A
30246 ⁴⁵	HD 93427	10 42.9	+65°40'	G40	Il'ob	17		05 36 ⁵	05 45	B
30247 ⁴⁶	HD 115612	13 13.2	+68°56'	G40	Il'ob	17	10°	05 55 ⁶	06 07	C
30248 ⁴⁷	HD 136849	15 17.8	+33°17'	G40	Il'ob	17		06 29 ²	06 33	A
30249	HD 111226	17 42.6	-24°18'	G40	Il'ob	17				B
30247 T,	calibration slip wedge				Il'ob					
Dec 23-24/66			Had Bm		opened limit clouds again					
30248 F	Focus test					17	+15°			A

Dome Temp. 17°
 Focus 35 / 34
 Dome Temp. 7°

Transparency Conditions Excellent 118
clouds air

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
26	1 ^h 53 +15° 11'	0.7	7.7	B3e	12/12/12	G40	Hd -Be #139 COULDN'T FIND RE #69	800/60 sl. weak
52	1 2 ^m 15 +30° 33'	0.6	6.6	G02b	12/12/12	G40	Fe *	400/150 fine
3-53	1 ^h 15 -20° 47'	0	6.4	B8	12/12/12	G40	B8-B9 clouds FIELD DRAWN	400/30 BLACK *
420	1 ^h 26 ^m +4° 30'	6.28	B8	12/12/12	G40	B8-B9	clouds	800/54 fine
		6.09	5/5	G40		1	focus 34.0	300/ PLATE IN UPSIDE 27 DOWN 21
19	1 2 ^m 07 ^m +37° 35'	6.04	B9	12/12/12	G40	B8-B9		800/60 sl. fogging fine
508	1 ^h 30' -08° 33'	2.2	K5	36	G40	G40 Std Vel.	clouds	900/10 sl. weak
545	1 0 ^m 47 +65° 20'	6.22	B9	12/12/12	G40	B8-B9	"	800/60 fine
607	1 ^h 2 ^m +68° 35'	6.09	B9	12/12/12	G40	B8-B9		800/60 fine
633	2 ^m 59 +33° 05'	5.34	B9	12/12/12	G40	B8-B9 SB		800/55 fine
		7.1	B9		G40	B8-B9	clouds	800/ A severe lack of light to above with $\alpha > 9^\circ$ * fogged while still in plate holder nothing on plate, but trouble diagnosed as failure to uncaps.
Plate Holder B+C loaded in M.P.								
Focus 34							5/5 G40	

Date 5-6 JAN/67-THURS/FRI Observer ^{McP}_{Ph} McP - ^{Vr}_{Re} Re Julian Day 175

[illegible]

Dome Temp.

23:00

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
9 55								
3 27	46 +0° 37'	0.1	10.4	150	12-12-	G40	Re Dust #40 FIELD CHECKS FOCUS 36.0 22.7	weak
	for plate #		30248				<u>clouds</u>	

121

Date 7-8 JAN/67 Sct-Ser Observer Jn Vn Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30249	HD 45412	6 ^h 22.1 ^m	+30° 33'	640	Ilab	13	29°F	21 ^h 03 ^m	21 ^h 27 ^m	C
					IRON ARC REFUSES TO					WOR
					Clouds. 2200					
					about 1/2 of the packet has					
					sublimed from the mirror					
					at 2215					
30249 T ₁	calibration strip wedge				Ilab					

Dome Temp. 3.2

Focus 38

Dome Temp.

Transparency Conditions

Good but Windy
Mirror covered with frost
upon opening up.

122

ding Time
E.S.T.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

27^m 2^h 12^m E

+30° 34'

0-1

6.

GOIP

12/12/12

640

Fe *

800/100

slack

TO WORK

- fixed by Hr.

for plate # 32249

Date. 11-12 Jan 1967

Observer $\frac{L}{J_n}$ /

Julian Day

[illegible]

Dome Temp.

Transparency Conditions

Transparency Conditions Excellent (Clouds low in West
Sunset) 125

Filter	REMARKS
	Exposure meter not working

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1 ^h 15 ^m W	+57°22'	1.2	4.59	F8	12/24	640	WT * 2	400/40
0 46 W	63 14	0.5	7.5	BSc	12.12.12	"	Be prog HA	sl. wk.
1 ^m 01 W	70 51	1	80	B/Ne	12.12.12	"	"	slightly wk.

stud - had to be closed by hand.

CCW - H AAF OBSERVING.

for photo 30250 - 30252

Date Mon Jan 16 1967 Observer Hr Ri Julian Day 2439850

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.	How Ang End
30253	HD 95735	10 57.9	+36 38	G 40	#aob	13	24°F	01:31 ⁶⁴	03:39	A	000/V
30254	" 111226	12 42.6	-24 18	"	"	"	16	03:54 ³¹	04:56	B	0030
30254F	focus test in i / out			G 40	#aob	"	16°			C	
30254T ₁	calibration step wedge				"						

Dome Temp. ... 13°

Transparency Conditions *Clearing after Midnight*

0440 CLOUDS.

126

[illegible]

Date Tues Jan 17-18, 1967 Observer Ri Hd - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30254 F ₂	Focus			G40	Ilford	13	22			A
30255	H D 9407	1 27.4	68 26	"	"	17		19 08 ¹⁵	19 38	A
30256	HD 23982	03 54.3	63 11	"	"	"		20:01 ²⁷	20 55	B
30256 F	Focus			G40	"	17	15	24 ³⁴		C
30257	HD 26420	04 05.9	+41.52	"	"	17		21.24	22.31	A
30257 T	calibration step wedge				"					

Dome Temp. 18

Focus 38 38

Dome Temp.

Transparency Conditions

Too hazy at first. 128

But later we discovered that a previous
observer had left focus unclamped

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
					5-5	G10	C to red, no reset focus to 38 ^{clamped}	OK
38 A 1	35w 68	54	0	7.44	G5V	4/12/12	G40 GH mag. #76	800/80 OK
55 B 0	34w 63	26	0	8.1	B3e	12/12/12	G40 Be Hd #76	800/50 fine
		26						OK
		26						OK
31 A 1	51w 42	05		76	B3e	12/12/12	G40 Be Hd #82	800/85 fine

Sudden snow. Cloud.

for plates 30255 - 30257

Date Wed Jan 18/19, 1967 Observer L-Db / R.Hr Julian Day 171.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H	How Exp. End
30258	-6° 14.8	06 03.2	-6° 21	G40	IIaOb	17	+10	19 44 ⁹¹	22 46	C	6 13
30259	BD+9° 1269	06 25.8	+09 51	"	"	"		2300 ⁷⁸	00 36	A	1 40
30259F	Locus			G40	"	17	+4			B	
30259T	calibration step wedge				"						

Dome Temp. $11^{\circ} \rightarrow 8^{\circ} \rightarrow 6^{\circ}$

Focus

Dome Temp. 6°

Transparency Conditions $\checkmark$ good

Haze and clouds at 00:30

130

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
46 G 13W	-06 20	1	9.7	B8	10/10/10	G40	Hazy and light clouds at end. Re Dust. Program #69 - Field (MCT started but quit - EM. failure)	OK
36 A 1 40W	+09 51	1	8.9	B3	10/10/10	G40	" " " #78 Haze and light clouds at 34	OK
					5/5	G10	closed up at 01:00	SLIGHT C TO V IN RED
for plates		30258,	30259					

131

Date Jan 19

Observer Cn/Fn/M SE Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.	Hour Ang End
30260	Per	01^h 41^m 5^s	50° 31'	G40		17	12°	18:15	18:49	C	0:45
30260	p Cas	23 49.4	+56 57	G40	Iladob	13XL	12°	19:05	19 25	A	03:09
Focus Test	L-2 / Oct 67			"	"	13				B	
30261	HD 67725	8:04.2	-11° 03'	G40	Iladob	17XL		00:51	01:08	A	00:38
30262	HD 74393	8:38.7	+4° 42'	G40	Iladob	17XL	14°	01:12	01:30	B	00:25
30263	HD 71906	8:24.8	+37° 36'	G40	Iladob	17XL				C	
30262T	calibration tip wedge for plates				Iladob						
					30260			30262			

Dome Temp. 16

132

[illegible]

PH C loaded
133: in 1st film

Date Jan ²⁰ 21 (2nd half)
Fri-Sat.

Observer Re
Wd
MCE.

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour An End
30263	Kori				Pa06	17	25°	0:37	0:39	C	2 35
30264	Kor							0:41	0:43	B	2 38
30265	B Eri	05 09.7	28					0 48	0 51	A	3 23
30266	B Eri							0 52	0 53	B	3 29
30267	L Ori	05 30.5	-05 59					0 55	0 57	C	3 06
30268	L Ori	"	"					0 58	0 59	A	3 07
30269	S Ori	05 26.9	-00 22					1 02	1 03	B	3 15
30270	S Ori	"	"					1 04	1 05	C	3 16
30271	E Ori	05 31.1	-01 16					1 07	1 07	A	3 15
30272	E Ori	"	"					1 08	1 09	B	3 16
30273	η Ori A	05 35.7	-02 00					1 10	1 11	C	3 14
30274	η Ori A	"	"					1 12	1 13	A	3 15
30275	α Ori	05 49.8	+07 23					1 15	1 17	B	3 05
30276	α Ori							1 18	1 19	A	3 07
30277	χ ² Ori	05 58.0	+20 08					1 26	1 31	C	3 11
30278	χ ³ Ori	"	"		✓			1 31	1 34	A	3 15

Dome Temp.

Transparency Conditions

Hazy

134

Focus

Dome Temp.

frost on mirror.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
39 2 35 W	-09 38	0	1.90	B0.5 Ia	7	G10	Focus 36 1/2 x 1/4	19/400 OK
43 2 38 W	"				7		1/4 x 1/2	8/400 OK
51 3 23 W	-05 04		2.80	A3 III	7		1/2 x	13/400 OK
53 3 29 W	"				7		1/4 x	7/400 OK
57 3 06 W	-05 53		2.77	09 III	7		1/2 x	12/400 fine
59 3 07 W	"				7		1/4 x	6/400 fine
1 03 3 15 W	-00 17		2.5	09.5 II	7		1/2 x	12/400 fine
1 05 3 16 W	"				7		1/4 x	6/400 fine
1 07 3 15 W	-01 13		1.75	B0 Ia	7		1/2 x	13/400 fine
1 09 3 16 W					7		1/4 x	7/400 fine
1 11 3 19 W	-01 55			09.5 Ib	7		1/2 x	12/400 fine
1 13 3 15 W					7		1/4 x	6/400 fine
1 17 3 05 W	+07 33				7		1/2 x	30/400 fine
1 19 3 07 W					7		1/4	15/400 fine
1 31 3 11 W	+20 11				7		1/2 x	13/400 fine
1 34 3 15 W					7		1/4 x	7/400 fine

comparison
are
all
strong

PLATE SL.
COPY 1/4

135

Date 20/2/Jan Cont

Observer

Re wd and	In wd
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Julian Day

[illegible]

Dome Temp.

Focus

Dome Temp.

Transparency Conditions

Hazy

136

still frost on mirror

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
2:17 W								
2:24 W	-15 33	0	4.10	B8 II	7		1/2 X 13/400	fine
2 23	"			"	7		1/4 X 7/400	fine
2 58 W	+24 30		1.93	A0 IV	7		1/2 X 13/400	fine
2 00 3:00 W	"			"	7		1/4 X 7/400	fine
4 11 W	+32 13		4.8	B5 Ia b	7		1/4 X 7/400	fine
4 51 W	+30 33		5.5-6.5	60 Ib	15-6-B	G40	Fe Cepheid 80/800	(OK) sc. wk.
							Could not identify star.	
0 09 W	+3° 35'	0	6.1	K1	12-12-12	G40	Std Vel 100/800	fine
1:06 W							Couldnt find star.	
2:06 W	+37° 59	0-1	7.3	G5	12-12-12	G40	field drawn. Std Vel 80/800	sc. wk.
							cloud forming at 6:10	
							clouds	
							still a lot of frost on the mirror.	
							Plateholder A loaded in N.P.	

137

Date 21-22 Jan

Observer $\frac{Vr}{Jn}$

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30287	AD 224014	23 ^h 49 ^m .4	56°57'	G40	(untested) IIaD _{ub}	13XL	32°	19 ^h 15 ^m 28	20 10	B
30288	HD 23950	3 ^h 44 ^m .0	+21°57'	"	"	13	-	20 19 34	21 27	C
30289	HD 38670	5 ^h 42 ^m .4	+20°50'	"	IIaOb	13	-	21 41 ¹⁰	22 00	A
30289F	Focus Test in in / out out				IIaD _{ub}	13	33	Focus	38	C
30289 T ₁	calibration step wedge				IIaOb					
30289 T ₂	calibration step wedge				IIaOb					
30289 T ₃	calibration step wedge				IIaO					
30289 F2	24 Jan 67 - nice focus test in in / out out			G40	IIaO		38°F			

Dome Temp. 36°
 Focus $38 \leftarrow$
 Dome Temp.

W 45 SET
 AT 28.0, NOT
 38.0 - mce

Transparency Conditions

Good / cloudy at sunset
 FROST ON MIRROR ON
 OPENING UP
 NOTE UNBAKED PLATES

ing Time
 E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
4 ^h 02 ^m W	57° 21 ^m	1	4.59	f2ap	15/15/15	G40	WT *	FOCUS?
1 ^h 24 ^m W	22° 11 ^m	1	5.90	B9	15/15/15	"	B8-B9 (dce)	* POOR FOCUS
0 ^h 00 ^m	20° 54 ^m	1	5.92	B9	15/30	"	B8-B9 (dce) Clouds	* BELOW POOR (Wk) FOCUS
					8/8	G10	Exposed plates in box #3	130.2LY C FOCUS
							FROST STILL ON MIRROR. (a pencil sharpener for the dome please)	
for plate #	30263 - 30276							
for plate #	30277 - 30279							
for plate #	30280 - 30289							
							developed together	
							* slightly fogged while in spectrograph	
TELESCOPE ON PLATFORM					8/8	G10	FOCUS 38.0	SLC 1.0 RED, CH 1.0 RED

USE 15-15-15 G40 comp.

139

Date Jan 20/39

Observer

mel
pl
vr

R.
H.

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
480-1	HR 8781			S			1-	18 34		
480-52	HR 5270								03 49	
30290	HD 114762	13 07.5	+18°02	G40	#006	13	10	04 48 ³⁰	05 48	A 056
30290 F	Focus TEST.						10°			B
30290 T ₁	calibration strip undeveloped				#006					

Dome Temp. 80

0550 VERY WINDY

140

[illegible]

141.

Date Jan 30 / Dec 31 Observer SK Julian Day 365.25

Plate No.	Object	R.A. 1900 1970	Declination 1900 1970	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
481-1	α Per	3 ^h 22.2	-49° 45'		C4/2	28"		19 ^h 05		
- 2	γ Gem std	6 ^h 36.0	+16° 26'		D9/2	28"		20 ^h 05		
- 3	ϕ Per	01 41.5	+50 31		C5/2	28"		20 ^h 45		
- 4	ν Per	3 ^h 42.9	+42 28		C5/2	28"		21 ^h 03		
- 5	μ Per	4 ^h 12.5	+48° 19'	4.73	C6/2	28"		21 ^h 28		
- 7	52 Per	4 ^h 12.6	+40° 24'	4.77	D4/2	28"		22 ^h 26		
- 8	ϵ Aur	4 ^h 59.8	+43° 47'	3.5	C5/2	28"		22 ^h 54		
- 6	β Cam	5 ^h 00.8	+60° 24'		C6/2	28"		21 ^h 55		
- 9	ϵ Aur	5 0.2	+41° 2		C5/2	28"		23 ^h 03		
-13	ζ Aur	4 55.0	+33 7	2.6	C5/2	28"		1 ^h 00		
-10	α Ori	5 53.5	+7° 24'	0.50	D6/2			23 ^h 24		
	δ CMa	7 7.2	-26 21	1.8						
-11	ϵ Pup	7 48.0	-24 48	3.3				23 ^h 54		
	δ Pup	8 6.3	-29 13	2.2						
-12	T Mon	6 23.4	+7° 6'		C5/2			0 ^h 32		

Dome Temp. 150°F

Focus

Dome Temp.

* Note: Put silver paper
under pen for spectrophotometer
after observing
(paper is in drawer)

Transparency Conditions

good.

142

ding Time
E.S.T.

P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0 ^h 35 ^m W							Seeing fair, no ice	
2 ^h 06 ^m E							ice in	
1 ^h 50 ^m W								
1 ^h 44 ^m W								
1 ^h 42 ^m W	of 1 ^h 52 ^m W (two times)							
2 ^h 45 ^m W								
2 ^h 28 ^m W								
1 ^h 25 ^m W								
2 ^h 28 ^m W								
4 ^h 25 ^m W								
2 ^h 04 ^m W								
0 ^h 38 ^m W								
2 ^h 42 ^m W								

Date Jun 30 / 31 cont Observer _____ Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
481-14	μ Gem	6 ^h 21.1	+22° 32'		C6/8	28"		1 ^h 37 ^m		
-15	25 Gem	6 39.3	+22 13		D6/2	28"		2 ^h 14		
-16	ϵ Gem	6 42.1	+25 10		D4/2	28"		2 ^h 45		
-17	ζ Gem	7 2.2	+20 37	3.7	D5/2	28"		3 ^h 23		
-18	ϵ Leo	9 44.1	+23° 54'	3.0	D3/2	28"		3 ^h 57		
-19	R OVB	15 ^h 47.2	+28° 16'	5.2	E5/2	28"		4 ^h 40		
-20	γ UMa	11 00.0	+56° 33'	0.0	C1/2	28"		5 ^h 32		
-21	γ UMa	11 52.2	+53 52	2.0	C4/2	28"		5 ^h 48		
-22	δ UMa	12 13.9	+57 12	0.1	C5/2	28"		6 ^h 7		
								(11:02)		

Dome Temp.

Transparency Conditions

1.44

Focus

Dome Temp.

ding Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
3 ^h 18 ^m W							Moon	
4 ^h 5 ^m W							+ Sky	
4 ^h 38W							Cirrus under Sky	
4 ^h 36W							Sky	
2 ^h 56 ^m W							Sky much more than 1/2 ago	
2 ^h 35E								
3 ^h 05E								
3 ^h 52E								
2 ^h 16 ^m							630 FINEST Cloud	

145.

SK (1st half)

Date Feb 2/3, Thurs-Fri, 1967 Observer C. R. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30290F2	Trum. 2 2/1/10			440	3.0	13	24			A
482-1	ϕ Cas	01 13.8	+57 32	1	D5/2	28"		19 ^h 11 ^m		
-2	Su Cas	2 48.2	+68 45		D6/2	28"		19 41		
-3	η Per	2 48.0	+55 45		D4/2	28"		20 16		
-4	17 971	2 53.2	+60 15		E5/3	28"		20 44		
-5	18 391	2 57.2	+57 32		E5/3	28"		21 12		
-6	β Cam	5 0.3	+60 24		C6/2	28"		21 42		
-7	α Lep	5 31.2	-17 57		C5/2	28"		22 11		
-8	T Mon	6 23.3	+7 7		D6/2	28"		22 28		
9	θ^1 CMa	6 52.7	-24 19							
9	δ CMa	7 7.0	-26 10		C5/2	28"		23 13		
10/11	HR 3026	7 46.1	-15 54		E5/3	28"		23 28		
12	μ Per	4 12.4	+48 19		C6/2	28"		23 56		

Dome Temp. 22°FTransparency Conditions Excellent

196

Focus

Dome Temp.

ding Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
					5/5	LRD	Focus 36 Sky 3 PH loaded in dome	fine
02 34 W				FOIa			Sky mirror badly scratched (2/3) <u>seeing terrible</u>	
1 34 W								
2 11 W								
2 32 W							Sky	
2 58 W							Sky	
2 3 W								
1 18 W								
3 46 W							Sky	
0 37 W							Sky	
0 19 W								
4 29 W								

Date 3 Feb/67

Observer.....Inse, Fa

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.
482-13	58 Per	4 ^h 34.3	-41° 12'						
-13	ε Aur	5 0.1	+41 2		C6/2	28"		0 ^h 15	
-15	25 Gem	6 39.1	+28 14		D6/2	28"		1 ^h 15	
-16	ξ Mon	8 6.9	-2 52		C6/2	28"		1 ^h 57	
-14	ε Aur	4 59.5	+43 47		C5/2	28"		0 ^h 42 ^h	
-17	ε Gem	6 41.8	+25 11		C6/2	28"		2 ^h 21 ^h	
-18	ξ Gem	7 2.1	+26 38		C6/2	28"		2 ^h 46 ^h	
-19	ω Gem	7 0.1	+24 16		D5/2	28"		3 ^h 15 ^h	
-20 ^A	1 Cnc	8 44.6	+28 54	{B A	D5/2	28"		13 ^h 35	
-21	77912	9 4.3	+38 36		C6/2	28"		13 ^h 54	
-22	56 UMa	11 21.0	+43 41		D5/2	28"		4 ^h 17	
-24	RCB	15 47.2	+28 16		E5/3	28"		4 ^h 43	
-23	α CrB	15 33.1	+26 50		136/2	28"		5 ^h 9 ^h	
								<u>11:56</u>	<u>9:45</u>

Dome Temp. $12^{\circ} F$ Transparency Conditions EXCL.

1198

Focus

Dome Temp.

Ending Time
EST.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
4 ^h 0 ^m W								
2 ^h 27 ^m W								
4 ^h 24 ^m W								
4 ^h 19 ^m W								
4 ^h 27 ^m W								
4 ^h 53 ^m W								
3 ^h 42 ^m W								
3 ^h 54 ^m W								
3 ^h 53 ^m W								
2 ^h 24 ^m W								
1 ^h 14 ^m E								
1 ^h 23 ^m E								
Clouds cover Moon with rain quit soon at dawn FIN. 6 ²⁸								

9:05

Date Feb 3/4 1962 Observer SK Bn Julian Day 173

[illegible]

Dome Temp. 17°F Transparency Conditions *very very good*

150

Focus

Dome Temp.

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
15	5 ^h 50 ^m W							cloudy condensations, ^{but} not in Cas	
	0 ^h 48 ^m W							" partially spoiling scan	
	2 ^h 37 ^m W					sky		general haze, no clouds	
	2 ^h 56 ^m W					sky		hazy + bright sky	
	3 ^h 18 ^m W					"		haze + clouds ^{all} around horizon up to 15° elevation	
	0 ^h 09 ^m W					add		clouding in solidly	
								20 ²⁵ FIN 814	

[inserted OK Sun PM]

S-K

Date 5/6 Feb - Sun/moon Observer M. S. / H. R. Julian Day

151

[illegible]

Dome Temp.

Transparency Conditions 4

152

[illegible]

153

Date

6/7
Feb 5/6
Mon - Tues

Observer

S-K
Re Fa

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
485-1	γ Gem	6 ^h 35.7	+16° 26'		B5/2	28"		18 ^h 41		
-2	5 Lac	22 28.1	+47 31		D5/2	28"		19 15		
-3	γ And	23 44.3	+46 14		D5/2	28		19 41		
-4	6474	1 4.9	+63 36		E5/2	28		20 00		
-5	17 378	2 47.1	+56 57		D6/2	28"		20 31		
-6	52 Per	4 12.9	+48 24		C6/2	28"		20 51		
-7	58 Per	4 34.3	+41 12		C6/2	28		21 05		
-8	ζ Aur	5 0.1	+41 2		C6/2	28		21 24	~22 00	
-9	38297	5 43.1	+18 42					22 20		
30291	AE Aur	05 09.7	+34° 12'	G40	IIaOb	17	-40°F	23 30	23 42	A
30292	HD 34989	05 16.3	+08° 23'	G40	IIaOb	17	-40°F	23:50	0005	
30293	W Urs 37490	05 33.9	+04° 04'	-	-	-	-	00 10	0025	X
	15 Mon 46300	06 27.5	+07° 24'					01:44		
30293 F1	515 G10 Filter							3:19		
30293 T1	calibration strip - wedge				IIaOb		65°F			

Dome Temp. $0^{\circ}F \downarrow$

Focus $31/ab-50F$

Dome Temp.

RA clamp does not work or very poorly.

Transparency Conditions $Very\ good$

15.4

ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
2 ^h 47 ^m E							seeing fair	
5 ^h 38 ^m W								
4 50 W								
4 00 W								
3 18 W							clouds appearing to still	
1 33 W							} not photometric clouds	
1 17 W								
3 ^h 17 ^m W	+39° 21'	1	5.8V	09.5V	15/15/15	G40	Re dust NO 34 poor sky 800/50	0.15
3 33 W	+08° 26'	0	5.8V	131V	15/15/15	G40	Re dust NO 38 " (very) 800/50	0.15
3 38 W	+04° 08'	0-	4.5	B3IIIe	15/15/	-	Re dust NO 49 thick clouds 800/50 34	0.15
			4.5	AD16			CLOUDY	fine
					1/5 G40		Close up	
for plates			30290 F2 - 30293 F1					

155

Date Feb 7/8
Tues Wed

Observer SK Bu Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
486-1	ξ^2 Crt	2 ^h 26.3	+8° 18'		C4/2	28"		6 39		
-2	5 Lac	22 28.1	+47 31		C5/2	28"		19 18		
-3	γ And	21 44.3	+46 14		C5/2	28"		19 31		
-4	10 Aq4	1 41.8	+61 41		D5/3	28"		19 49		
-5	SU Cas	2 48.8	+68 45		C6/2	28"		20 25		
-6	17 971	2 53.2	+60 15		D5/3	28"		20 48		
-7	18 391	2 57.1	+57 32		D5/3	28"		21 12		
-8	α Lep	5 31.2	-17 51		B5/2	28"		21 40		
-9	σ^1 CMa	6 52.7	-24 9		C5/2	28"		22 06		
-10	δ CMa	7 17.0	-26 20		B5/2	28"		22 32		
-11	S9067	7 26.3	-11 20	18	C6/2	28"		22 49		
-12	HR 3026	7 46.1	-15 54	65	D5/3	28"		23 33		
-13	31 Mon	8 42.0	-7 6		C5/3	28"		00 00		
-14	58 Per	4 34.3	+41 12		C5/3	28"		0 52		
-15	E Aur	4 59.5	+43 47		B5/2	28"		0 58		
-16	S Aur	5 0.1	+41 2		C5/2	28"		1 11		

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

Focus

Dome Temp.

Transparency Conditions *very good*

156

*Spectrophotometer was turned off*ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1 14 ^W							seeing good	
5 42							hand setting -	
4 43							time consuming	
3 14								
2 32								
2 56								
3 22								
1 10							perfect night (except for	
0 15							auroral activity)	
0 28								
0 30				+ cp.				
0 44				+ cp.				
0 21								
4 57							Replaced & fine	
4 56								
5 14								

157

Date Feb 8 - Wed

Observer

S.K. / mcl
mse, Ea

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
486-	L Aur	4 ^h 54 ^m 8 ^s	+33° 7'					—	—	
— 12	T. Mon	6 23 3	+7 7					—	—	
- 17	G Gem	7 0.1	+24 16		C572	28"		1 ^h 43 ^m		
- 18	25 Gem	6 39.1	+28 14		C612	28"		2 06		
- 19	g Gem	7 2.1	+20 38		B612	28"		2 24	02:35	
486-20								3 00		
486-31									4 35	
#30294	H2131861	14 50.9	+45° 43'	G40	IIa06	13	0° E	05:45 ²⁷	61 38 A	
								G40: 0:54		
#30294T, calibration strip wedge								2 CH: 1:25		
								spectroph: 7:56		

Dome Temp. $4^{\circ}F$ Focus 31 Dome Temp. $0^{\circ}F$ Transparency Conditions $EXCL$

158

ading Time
E.S.T.

P.M.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
3h 40 ^m								
4 25								
4 20							#WISH ^{5K}	
							DESK LIGHT IS BROKEN ARE	
							DOMELIGHT + DEC CIRCLE LIGHT SWITCH IS FAULTY	
							DOMELIGHT + DEC CIRCLE LIGHT SWITCH ARE FAULTY AT PIER	
							left focus at 31	
38A VO	38 45° 27'	0-1	7.64	F3	18-18-15	940	HD- SB	500/85 OK
							<u>D A W N</u>	
							hazy towards dawn	
							for plate # 30294	

Date Thurs-Fri Feb 9-10 1967 Observer Cm - ^{Rm} _{Msc} Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30295	HD 51892	06 54.0	+07 27	G40	IaOb	17XL	22	21 5 ²⁰	22 38	C
30296	HD 60835	07 31.4	-14 16	G40	IaOb	17		22 45 ¹⁶	23 17	B
30297	HD 65241	07 52.7	+07 29	G40	IaOb	17XL		22 23 ³⁷	0 37	A
30298	HD 66684	7 59.6	+27 49	G40	IaOb	17XL	23	0 47 ⁴⁴	2 15	B
30299	HD 68099	8 05.9	+10 07	G40	IaOb	17XL		2 20 ²⁹	3 18	C
30300	HD 71906	8 24.8	+37 36	G40	IaOb	17XL	23F	3 25 ¹⁹	4 03	A
								(2:45)		

Dome Temp. 28

Focus 36

Dome Temp. 25°F

MIRROR BADLY

FROSTED AGAIN! CERRY PLEASE FIX HEATER.

Transparency Conditions

cloud in early evening

unimpaired haze

160

ding Time
EST.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
39	20 41W	+07 24	1	6.28	B8	15-15-15	G40	B8-B9 800/60	OK
17	20 43W	-14 21	1	5.58	B2IV:e	15-15-15	G40	B8-B9 Brightest of cluster 800/60	SL. WK
37	21 41	+07 22	1	6.3	B9	15-15-15	G40	B8-B9 (cirrus) 800 ¹³⁰ / ₂₀₀	FINE
15	B 13 12	27 40	1	6.14	B9	15-15-15	G40	B8-B9 UPPER COMPONENT ON SLIT. " BINARY 800/ ¹⁰⁰ / ₅₀	FINE
14	24 10	+9 58	1	6.05	B9	15-15-15	G40	B8-B9 (clouds) 800/55	WK
03A	24 35	37 25	0-1	6.04	B9	15-15	G40	B8-B9 800/22	WK

clouds

still a tremendous amount
of frost on mirror on
closing up! (note exposure
times)

Date Sol/Lun. 11/12 Feb '67 Observer mcl. $\frac{Db}{Ri}$ Julian Day 172.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour As End
487-1									18 45		
487-37									00 10		
30301	HD 91948	10 31.9	60° 38'	G40	Ilab	17	4	00 48 ³¹	01 50	B	023
30302	HD 131861	14 50.9	45° 43'	G40	Ilab	17	2	04:00 ⁷³	06:25	C	040
								4:40			
								3:28			

Dome Temp. 40Focus 3.2Dome Temp. -12Transparency Conditions Very Goodcloud at 02:00

162

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
8 45			0						
0 10			0						
50	0 23 W	60° 19	0	7.37	F8	5/5/15	G40	Hd - Sp Bin clouds closed up (showing st. also!!) reopened at 11:45 long exposure, in finder field Coordinates + clock checked!!) HD-Sp. Bin.	800/80 SL. WK
6 25	0 40 W	45° 27	0	7.64	F3	5/15/	G40		800/80 SL. WK

- 1) DOME NOT CHAINED
2) SHUTTERS $\sim 1/2$ " OPEN

163

Date 12-13 Feb/67

Observer Mcl / R i

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
488-1									18 42	
488-9									20 04	
								(1:22)		
30302 F1	focus test in/in/out on 8			G40	IIaO	17	20°F			A
30303	HD 28459	4	24.2 +32	14 G40	IIaOb	17XL		20:43	20:58	A
30304	HD 24769	3	51.2 +22°	54 G40	IIaOb	17XL		21:02	21:15	B
30305	HD 25152	3	54.7 +36°	44 G40	IIaOb	17XL		21:19	21:39	C
30306	HD 26571	4	07.0 +22°	09 G40	IIaOb	17XL		21:43	21:55	A
30307	HD 27026	4	11.2 +41°	54 G40	IIaOb	17XL		21:59	22:12	B
30308	HD 28475	4	24.2 +10°	18' G40	IIaOb	17XL		22:16	22:40	C
30309	HD 29721	4	35.7 49°	47' G40	IIaOb	17XL		22:47	22:58	A
30310	HD 30122	4	39.7 +23°	27' G40	IIaOb	17XL	-2°F	23:02	23:26	B
								(2:16)		
30310 T1	calibration step wedge				IIaOb					

Date 15 Feb - clear by 1-30, but mirror too badly frosted to justify observing. Observer Julian Day mce

[illegible]

Dome Temp.

Transparency Conditions

1.68

[illegible]

Dome Temp.

Transparency Conditions

168

murderer

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 36	14° 33'	1	5.93	B8	13/4	G40	B8-B9. (13/4)	800/50 FINE
19 55		1						
21 26		1						
for plate # 30311								
					5/5	G10	3-19, 4 min/68 dome temp 22°F	FINE

169

Date Feb 21/22, 1966

Observer Hd / Db

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30312	HR 2147	6 ^h 03.4	+8° 41	640	IaOb	7	18°	20 ^h 42	20 52	A
30313	HR 2237	6 ^h 10.7	-9° 00	—	—	17	18°	21 04	21 14	B
30314	HR 2270	6 14.4	-8° 32	—	—	17XL	18°	21 ^h 21	21 37	C
30315	HR 2295	6 18.4	-4° 39	—	—	17XL	18°	21 ^h 45	22 14	D
30316	HR 2676	7 21.5	+5° 04	—	—	17XL	16°	22 ^h 21	22 35	B
30316 T1	calibration slip end of				IaOb					
30316 T2	"	"	"		"					

Dome Temp. 22°

Focus

Dome Temp.

Transparency Conditions *Variably cloudy at sunset* 170*Hazy later $\rightarrow$ Clear**Primary mirror badly frosted, cleaned it in
about 1/2 hr with big pan from RGH's office.*ending Time
E.S.T.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
W 33 ^m	08 ^h 42	1	6.43	B9	15/15/15	G40	B8-B9 Programme 800/50	* SC WK
W 49 ^m	-9 ^o 02	0 ⁺ -1	6.01	B9	15/15/15	-11-	[check field for HR 2246] 2 stars near wachani	800/50 SC WK
W 1 ^h 07	-8 ^o 30	1	6.05	B9	15/15/15	"	-11-	800/50 FINE
W 1 40	-4 ^o 38	1	6.40	B9	12/12/12	G40	B8-B9 11-	800/70 FINE
W 1 18	+5 00	1	5.90	B8	12/24	"	-11- Clouds.	800/50 FINE

for plate nos. 30312 - 30316 (steps 1-12 only, on 1 side)
(BADLY)

"

"

"

* FOGGED WHILE IN

SPECTROGRAPH

171

Date Thurs Feb 23-4 1907 Observer Re Vn Ch. Fa - M. S. Julian Day 6:38

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Ang End
30317	HD 28843	4 27.6	-03 25	G40	IIaob	17	21	18:40	18:52	C	15
30318	31372	04 50.2	+14 54	"	"	"	"	18:56	19:07	A	18
30319	31764	04 53.4	+14 24	"	"	"	"	19 13	19 31	B	32
30320	32273	04 56.8	+14 28	"	"	"	"	19 36	19 53	C	50
30321	Acrid	05 09.7	-08 19			17	21	19 58	19 59	B	43
30322	"	"	"					20 03	20 04	C	00 48
30323	23408	03 39.9	+29° 03'	G40	"	"	"	20 13	20 14	A	26
30324	HD 20041	3 08.2	56 45	G40	"	"	"	20 20	20 28	C	30
30325	37 776	05 35.9	-01° 32'	"	"	"	"	20 34	20 54	B	11
30326	37 903	5 36.7	-02 18	"	"	"	"	20 59	21 40	A	61
30326F1	Focm	Trail	5/5	G10	filter						
30327	HD 107348	12 15.4	-21 39	G40	IIaob	17XL	13°F	1:13	1:26	A	5
30328	HD 115612	13 13.2	68° 56'	G40	IIaob	17XL		1:36	1:51	B	2
30329	HD 103095	11 47.2	38° 26'	G40	IIaob	13 ^{XL}	13°F	1:59	2:57	C	0
30330	HD 131861	14 50.9	45° 43'	G40	IIaob	13	11°F	5:06	5:06	A	0

Dome Temp. 20

Focus 36/

Dome Temp. 16.2 F

Transparency Conditions 1 cloud in 5

172

Full ☾

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 15W	-03 14	0	5.89	B9	12-15-15	G40	B8/B9 800/50	FINE
00 08W	+15 02	0	5.69	B8	15-15-15	G40	B8/B9 800/50	FINE
00 32W	+14 34	0	5.93	B8	15-15-15	G40	B8/B9 800/50	FINE
00 50W	-01 35	0	6.16	B8	15-15-15	G40	B8/B9 800/50	FINE
00 43W		0	0.34	B8 Ia	45	G40	MKSLD (+Re Dust) 1/2 N N 400/125	STRONG OK
00 48					45	G40	" 1/2 N 1/2 NORM. 400/12	GUIDING OK
02 26W	-124 19	0	3.0	B7 III	45	G40	Re dust # 21 400/15	OK
03 10	+52 03	0	6.0	A0 Ia	45	"	Re Dust no 10 400/25	OK
01 11W	-01° 29	0	7.0	B2 V	15/15/15	G40	Re Dust no 51 800/50	OK
01 56W	-02 14		7.8	B1.5 I	15/15/15	G40	Re Dust no 52 800/35	WEAK FINE
21 40 Clouds all over! // focus 35.0								
00 57	-21 57	0	5.25	B8	15/15/15	G40	B8-B9 800/70	SL. W/ FOGGED
01 29	68 34	0	6.09	B9	15/15/15	G40	B8-B9 800/70	OK
01 02	38 00	0-1	7.3	G5	15/15/15	G40	Std. Vel. focus 34.0 800/100	OK
01 09	45° 20'	0	7.64	F3	15/15/15	G40	Hol- SB 800/95	FOCUS? OK

Date 24 Feb - Fri Observer UW, MSE Julian Day 244

[illegible]

Dome Temp.

Transparency Conditions 100

174

Starting Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
22	02 E	33° 04'	1	5.34	B9	15/15/15	G40	B8-B9 (SB) (HAND GUIDING) 800/70	BAD focus.
05	13	-21° 10'	0-6.3	B9	15/15/15	G40	B8-B9 (main prog) (climb) 800/62	OK GUIDING WEAK	
clouds at dawn									
FRANK: * AUTO-GUIDER REQUIRES ATTENTION									

175

Date 25 Feb Sat

Observer

L / R
Vr / Fr

Julian Day

3:30

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30333	HD 56446	7 ^h 11.9 ^m	+6° 51'	G40	IIAob	17	+8 ^F	21 ^h 27 ^m	21 40	A
30334	" 65241	7 ^h 52.7 ^m	+7° 29'	G40	IIAob	17	-	22 ^h 05 ^m	22 23	B
30335	" 74393	8 ^h 38.7 ^m	+4° 42'	G40	IIAob	17	-	22 45 ^m	23 07	C
30336	" 83650	09 34.9	+0 07	G4	IIAob	17	.	23 14 ^m	23 42	A
30337	π Leo	09 54.9	+08 31	G40	IIAob	17		23 51 ^m	00 04	B
30338	HD 91948	10 31.9	+60 38	"	"	"		00 20 ^m	00 45	C
30339	103095	11 47.2	+38 26	"	"	"	"	01:01 ^m	01:29	A
30340	115612	13 13.2	+68 56	"	IIAob	"	"	01:47 ^m	02:00	B
30341	123752	14 04.6	+19 56	"	"	"	"	02:16 ^m	02:47	C
30341F	Focus Test		in - in		IIAob out	17	80 ^F position			A

Dome Temp. 10° F

176

cloud at 02:30
windy

ending Time
E.S.T.

177

Rm Hr
Li

Date Sun/Mon Feb 26/27 Observer SD Julian Day 3:16

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30342	HD 42035	6 ^h 03 ^m 4 ^s	+8° 41'	G40	IIaO	17	17	23 ^h 06 ^m	23 54	B
30343	51688	6 53.3	26.03	G40	IIaO	17		00 06 ¹⁵	00 36	A
30344	" 53744	7 01.1	+28.21	"	"	"		00 46 ¹⁵	01 16	B
30345	HD 92588	10 36.3	-01° 13'	"	"	"	15	01 37 ⁴⁴	03 05	C
30345 F1	Focus TEST		OUT-OUT		U-11V					A
# 30345 T1	calibration slip wedge				IIaOb		DEV. 66 F			
# 30345 T2	"	"	"		"		"			
# 30345 T3	"	"	"		IIaOb		"			
# 30345 T4	"	"	"		IIaO		"			

Dome Temp.

Transparency Conditions haze clearing

178

[illegible]

Dome Temp.

Transparency Conditions

180

Focus

Dome Temp.

Ending Time
E.S.T.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

1181

Date March 1/2 1967 Wed Thur. Observer Re (cwr) Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P
30346	^{13 Mon} HD 46300	06 27.5	+07° 24'	G40	HaOb	17	+14°F	1925	1927	A
30347	+23° 1301	06 13.3	+23° 19'	"	"	"	"	1933	1946	C
30348	+23° 1301	"	"	"	"	"	"	1946	2003	A
30349	-25° 4771	07 32.3	-25° 06'	"	"	"	"	2009	2041	C
30350	HD 53974	07 ^h 02 ^m 0	-11° 08'	"	"	"	"	2055	2115	A
30351	^{RT Aur} HD 45412	06^h 22^m 1	+30° 33'	"	"	13X1	+12°F	2124		
30350F	5/8 G10 filter									
# 30350T ₁	calibration step wedge				HaOb					

(126)

Dome Temp. 41.5°FFocus 35Dome Temp. 41.5°FTransparency Conditions Fairhaze forming

182

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1927	0043E	+07°27'	3!	4.5	A02Lh	22/22	G40	Reidort NO 81 400/20	sl wk
1946	0011W	+23°22'	3	7.0	B9II	15/15/15	"	Re DUST NO 75 field OK 22/ 800/45	"
2003	0005W	"	2	"	"	15/15/15	"	Re DUST NO 75 800/45	OK
2041	0037E	-25°14'	0	7.6	B5	15/15/15	"	Re DUST NO 98 Thick haze 800/45	"
2115	0028W	-11°12'	2	5.4	B0.5	15/15/15	"	Re DUST NO 95 very thick sky 800/35	(Guiding) OK
			1	6.0	G0	15/		Fe. replaced not too successful.	
								Completely cloudy at 2135	
								Throw last plate away	
								Close up	OK
								Dark slide in p.h.c is <u>VERY</u> stiff	
								Slide has been bent.	
								Hard. Fixing. (MP) Done	

for plate 30356 - 30350

183

Fri-Sat sd R_i
Bn R_m

Date March 3/4 1967 Observer Bn Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30351	HD 36881	5 29.7	+10 10 640	IIaOb	<u>17</u>	30	20 05 ¹⁸	20 40	A	2130
2	43819	06 13.2	17 21 640	IIaOb	17	28	20 58 ¹⁰	21 18	C	2138
3	51688	06 53.2	26 03 640	IIaOb	17	27	21 55 ¹⁰	22 14	A	2113
4	89449	10 14.3	19 59 640	IIaOb	17	25	00 05 ⁴	00 13	C	00.2
30354F	Focus bot in / out			IIaOb	17	24				E
# 30354T	calibration tip wedge			IIaOb						

1.24

195

* in the dome

Date March 2/67 Observer Hd Fa / Ri ^{m se} Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Ang End
30355	HD 33224	5:03.6	-08.47	G40	Ilad	17	26	18:52	19:28	A	W-1
30356	HD 34317	5:11.5	+01.50	"	"	17	16°*	19:36	20:30	B	W-1
30357	HD 40724	5 55.6	+22.24	"	"	17		20:37	21:13	A	W-1
30358	HD 42784	6 07.6	+18.43	"	"	17	1.	21:20	21:58	B	W-1
30359	HD 42819	6 13.2	+17.20	"	"	"	15	22:17	22:59	A	W-1
30360	HD 58661	7 21.5	+48.17	"	"	"		23:11	23:23	B	W-1
30361	HD 66684	7 59.6	+27.49	"	"	"		23:30	23:51	A	W-1
30362	HD 91948	10:31.9	+60° 38'	"	Ilad	17	12/10	22:59	0:46	B	W-1
30363	HD 109011	12:26.5	+55° 42'	G40	Ilad	17	10	0:54	2:17	C	W-1
30364	HD 109358	12:29.0	+41° 54'	G40	Ilad =	13		02:21	2:34	B	W-1
30365	"	"	"	"	Ilad	13	8°F	2:34	2:43	C	W-1
30366	"	"	"	"	Ilad	13		2:44	2:59	B	W-1
30367	HD 131861	14:50.9	45° 43'	G40	Ilad	17		2:54	04:03	A	W-1
# 30367 T ₁	calibration strip inside				"						
# 30367 T ₂	"	"	"		Ilad						
30367 F ₁	grain test in in/out band			G40		13	8°F			B	

(9:40)

Dome Temp. 20° a dropping

Focus 37/34.5/34.0

Dome Temp. 8° F

Transparency Conditions

~~Fair~~ poor

686

Estimated
not for July 20

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality		
19 28	W 1 04	-8 40	0.0	5.62	B8	15-15-15	G40	128/139	70/800 SL. WEAK		
20 30	W 1 58	+1 58	"	6.35	B9	15/15/15	"	"	84/800 FINE		
21 13	W 1 55	+22 28	"	6.23	B8	15-15-15	"	"	70/800 FINE		
21 58	W 2 31	+18 44	0	6.16	B8	15-15-15	"	"	70/800 FINE		
22 59	W 3 25	+7 24	0	6.12	B8	15-15-15	"	Some doubt about field - star seems faint.	70/800 SL. WK (GUIDING)		
23 23	W 2 40	45 19	0	5.55	B9	15-15-12	"	11 Rend from 34.5	70/800 FINE (GUIDING)		
23 51	W 2 30	?		6.14	B9	12-12-12	"	11	70/800 SL. WK		
24 46	W 0 53	60 19	0	7.37	F8	15/15/15	G40	Had SB	80/800 ? NO PLATE		
25 17	W 0 30	55° 18'	0	9.1	K2E	15/30	G40	MK STD Focus 34.0	40/800 WEAK		
26 34	W 0 45	41° 34'	0	4.88	G0E	15/15/15	G40	MK } ^{Ext} } ^{Bot} } ^{AV}	cloudy (norm) (1/2 norm) (1/4 norm)	100/800 50/800 25/800	OK " "
27 49	W 0 54	"	0	"	"	15/15/15	"	"			
28 57	W 1 00	"	0	"	"	45	"	"			
29 03	W 0 05	45° 28'	0	7.64	F3	15/30	G40	Had - SB	20/800 WEAK		
for plates 30355-30363 & 30367									cloudy		
" 30364-30366 (norm)									=====		
" 1/5 G10									FINE		

187

Date MAR 8/9 1967 Observer Jh / Hr Ri Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30368	HD 20391	-03^h11^m7	+49°24'	640	Ilao6	17	17°	1142		
30368 ⁶⁷	HD 34748	5 ^h 14 ^m .6	-01°31'	640	Ilao6	17	17°	2012 ⁷	2026	B
30368 ⁸	HD 53755	7 ^h 1 ^m .1	-10°30'	640	Ilao6	13		2034 ¹¹	2055	C
30370 ⁶⁹	HD 81429	7 ^h 34 ^m .1	-25°08'	640	"	"	17°	2105 ⁷	2119	B
30370	HD 57608	7 ^h 16 ^m .9	+0°22'	640	"	"	17°	2127 ⁹	2144	A
30371	HD 53205	6 ^h 59 ^m .2	+1°38'	"	"	"	"	2150 ¹³	2216	C
30372	HD 53755	7 ^h 1 ^m .1	-10°30'	"	"	"	"	2223 ²²	2307	E
30373	HD 52860	6 ^h 57 ^m .7	+47°54'	"	"	"	"	2319 ¹⁴	2331	A
30374	HD 89449	10 ^h 14 ^m .3	+19°59'	"	"	"	"	2341 ¹³	2347	C
30375	HD 74604	8 ^h 31 ^m .8	+67°05'	"	"	"	"	2354 ¹⁶	0005	A
30376	HD 92588	10 36.3	-01°13'	"	"	"	"	0023 ⁴¹	0145	B
30377	HD 91948	10 31.9	+60°38'	"	Ilao6	17	16	0201 ¹³	0226	C
30378	HD 109011	12 26.5	+55°40'	"	"	17	"	0234 ²⁰	0514	A
30379 ⁷⁹	HD 145001	16 03.6	+17 19	"	"	"	"	0527 ²	0543	B
30380 ⁸⁰							15			C
30381 ⁸¹	calibration strip wedge				Ilao6			7:44		

Dome Temp. 21° Focus $355/$

Dome Temp.

Transparency Conditions *Excellent*

188

*100 is equip doesn't work.**telescope needs**balancing**NO WEIGHTS LEFT*

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
			7.7	ALV	15	G40	<i>End Star</i> Re eq. width <i>west</i> $200/50$	
026	$W 1^{\circ} 54^m$	$-0^{\circ} 24'$	0-1	60	B15V	15-15-15	Re eq. width <i>FIELD</i> DRAWN $800/50$	(GUIDING) SL WEAK
055	$W 1^{\circ} 39^m$	$-10^{\circ} 35'$	1	60	B3	15-15-15	Pc *	$800/50$ (GUIDING) SL WEAK
19	$W 1^{\circ} 30^m$	$-25^{\circ} 12'$	0-1	4.59	B38	15-15-15	B8-B9 (doc)	$800/60$ SL WEAK
+	$W 1^{\circ} 11^m$	$+0^{\circ} 17'$	1	5.95	B38	15-15-15	B8-B9	$800/60$ (GUIDING) SL WEAK
026	$W 2^{\circ} 0^m$	$-1^{\circ} 36'$	1	6.4	B39	15-15-15	B8-B9 <i>TOOK (FIELD</i> <i>BRIGHTEST) DRAWN</i>	$800/60$ SL WEAK
0307	$W 2^{\circ} 17^m$	$-10^{\circ} 34'$	1	6.0	B3	15-15-15	Pc *	$800/50$ WEAK (GUIDING)
031	$W 2^{\circ} 12^m$	$+47^{\circ} 53'$	1-2	6.34	B39	15-15-15	B8-B9	$800/60$ FINE
0347	$W 2^{\circ} 15^m$	$+19^{\circ} 47'$	1-2	5.3	F5	45	G40 Std Vel.	$400/40$ FINE
0005	$W 2^{\circ} 6^m$	$+66^{\circ} 53'$		6.10	B38	15-15-15	B8-B9	$800/60$ (GUIDING) FINE
0145	$W 1^{\circ} 53^m$	$-01^{\circ} 32'$		7.4	K1	13/15/15	STD VEL.	$800/100$ WEAK (GUIDING)
0226	$W 2^{\circ} 37^m$	$+60^{\circ} 19'$		7.37	F8	15/15/15	Hd SB	$800/80$ FINE
0514	$W 3^{\circ} 32^m$	$+55^{\circ} 18'$		9.1	K2V	15/15/15	MK STDs	$800/100$ WEAK
0543	$W 3^{\circ} 55^m$	$+17^{\circ} 10'$		6.1	G4	15/15/15	STD VEL	$400/40$ FINE
						5/5 G10		
for plate 30368 - 30380							(70°E max 9)	OK (S. MON 11)

189

Date *March 9/10 1966*

Th. Fu

Observer

McC (no luck!)

Rm

Ri Re

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30380	HD 68099	08 05.9	+10 07	G40	Ilco	17	+26°F	23 48 ¹⁶	00 20	A
30381	65 241	07 52.7	+09° 29	"	"	"		00 25 ¹⁸	01 00	B
30382	HD 107348	12 15.4	-21 39	"	"	"		01 08 ²⁶	02 00	C
30383	HD 109379	12 29.1	-22 51	C"	"	"		02 04 ⁵	02 14	A
30384	HD 145502	16 06.2	-19 12	"	"	"		02 18 ¹⁷	02 52	B
30385	π Sco / HD 143103	15 52.8	-25° 50	"	"	"		03 04 ⁶	03 15	C
30386	"	"	"	"	"	"		03 16 ⁴	03 24	A
30387	HD	16 19.6	-22 13	"	"	"	"	03 52⁹	04 10	B
30387	HD 136849	15 17.8	+33 17	"	"	"		03 52 ⁹	04 10	B
30388	HD 101501	11 ^h 35.8	+34° 46	"	"	"		04 18 ³	04 24	C
30389	"	"	"	"	"	"	"	04 25 ³	04 30	A
30390	HD 148605	16 24.1	-24 51	"	"	"		04 35 ⁶	04 47	B
30391	HD 147933/(A)	16 ^h 19.6	-23° 13	"	"	"		04 50 ³	05 05	C
30392	HD 170740	18 25.9	-10° 52	"	"	"		05 10 ¹⁰	05 30	A
30393	HD 165784	18 02.6	-21° 28	"	"	"		05 33 ["]	05 55	B
30393F		Focus	Test		Ilco	17	28°F	(4:30)		

Dome Temp. 32

Focus 3.7

Dome Temp.

Transparency Conditions *intermittent clouds*

190

blade box no. 2 as unboxed plates

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0 20	W 03 ^m 01	+10° 05'	.1	6.1	B9	15/15/15	G40	B8/B9 thin clouds 800/60	SL-WEAK
1 00	W 03 55	+07 20	0	6.3	B9	15/15/15	G40	B8/B9 clouds in West 800/40	WEAK
2 00	W 03 33	-21 59	0	5.25	B8	15/15/15	G40	B8/B9 800/60	WEAK
2 40	W 03 33	-23 10	0	2.8	G4	15/15/15	G40	Standard velocity 800/100	SL-WEAK
2 52	E 2 ^h 26	-19 18	0	4.0	B2 III	15/15/15	G40	Re dust; binary (No 100) 800/50	WEAK
3 15	E 1 ^h 50	-25° 57	0	2.9	B1 II	15/15/15	G40	Re dust (No 99) 800/50	WEAK
3 24	E 1 ^h 40	"	"	"	"	15/15/15	G40	" " 800/40	WEAK
	03 30							Clouds G40 105T (No 106) - 800/	
	03 38	+33° 04	2	5.34	B9	15/15/15	G40	B8-B9 Sp Bin. (clouds) 800/60	SL-WEAK
4 24	03 38 W	+31° 26'	2	6.24	G8 II	15/15/15	G40	MK std 1/2 N 800/50	OK
4 30	03 43 W	"	1	"	"	15/15/15	G40	MK std 1/4 N 800/25	OK
4 47	03 44 E	-25 01	0	4.8	B2 I	15/15/15	G40	Re dust (No 108) 800/50	SL-WEAK
5 05	03 31 E	-23 18	0	4.6	B2 I + B2 II	15/15/15	G40	" " (#106) 800/51	FOGGED ON ONE END SL-WEAK
5 30	03 07 E	-10 45	1	5.5	B2 I	15/15/15	G40	Re. Dust (#124) Close Binary 800/50	SL-WEAK
5 55	03 17 E	-21 24	1	6.3	A2 I	15/30	G40	Re. Dust (#113) field clocks 800/15	VERY WEAK
	03 30 - 03 39							#303 93 T1: calibration slip wedge for (#100) (FOGGED)	30380 - 30393

UNEXP. PLATE DARK
EXP. LIGHT

Partly covered

Date 10/11 March Fri SAL Observer Re, Bu mal Fa, Ma Julian Day.

[illegible]

Dome Temp.

Transparency Conditions *Fair, hazy*

1792

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0244W	+47°47'	1.66	B9V	15/15/15	640	Re E.W	Field checks, Method L: 800/50	FINE
0506W	+47°53'	1.74	A0V	15/15/15		Re E.W	Field plotted: DEC CLAMPED 800/ Mirror frustrated. Clouds ~ 02:30 and after 0400 EST	FINE

193

MCP

Date 11/12 March 1967 Sat-Sun Observer Re Sd / ^{Hr}Re _{Vr} Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30396	HD 20041	03 08.2	+56° 45'	G40	IIaOb	17	+37°F	18 50 ⁵	19 00	A
30397	"	"	"	"	"	"		19 00 ⁵	19 10	B
30398	HD 21389	03 21.9	+58° 32'	"	"	"		19 12 ²	19 16	C
30399	"	"	"	"	"	"		19 17 ²	19 20	B
30400	HD 20891	03 11.7	+49° 24'	"	"	"		19 26 ²⁸	20 21	A
30401	HD 22614	03 33.2	+24° 23'	"	"	"	35°F	20 25 ²⁸	21 04	C
30402	HD 36285	05 25.5	-07° 31'	"	"	"		21 14 ¹¹	21 36	B
30403	HD 53367	06 59.7	-10 18	"	"	"		21 43 ²⁶	22 35	A
30404	HD 53205	6 59.2	+1 38	"	"	"		22 44 ¹²	23 07	C
30405	HD 56446	7 11.9	+6 51	"	"	"	32	23 19 ¹⁴	23 46	A
30406	HD 57608	7 16.9	+0 22	"	"	"		23 55 ⁹	00 13	C
491-1										
491-33										

HD 4:28

00^h40^m05^h45^m

JCH (5:05)

Dome Temp. 31 at 22:22

Focus 39/38

Dome Temp.

Transparency Conditions Excellent

794

ending Time
E.S.T.

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 A	02 ^h 45 ^m W	+57° 04'	1	6.0	AO Ia	15/15/15	G40	Re "DUST" NO 10 800/50	FINE
10 B	02 ^h 54 ^m W	"	1	"	"	15/15/15	"	" 800/40	OK
16 C	—	+58° 48'		4.6	AO Ia	15/15/20	"	Re "DUST" NO 15 800/50	"
20 B	—	"		"	"	15/15/15	"	" 800/40	"
021 A	04 03 W	+49° 43'	0-1	7.7	A1V	15/15/15	"	Re E.W. Temp dropping quickly in dome field plotted 800/50	FINE
03 C	1 26 W	+24° 39'	1-0	7.1	A2	15/15/15	"	Re E.W. Field checks 800/50	FINE
136 B	3 07 W	-7° 25'	0	6.2	B1.5V	15/15/15	"	Re E.W. " " seeing worse 800/50	FINE
235 B	2 30 W	-10° 22'	0-1	7.0	B0 IV	15/15/15	"	Re DUST # 93 Field checks 800/50	OK
307 C	3 04 W	+1° 35'	0	6.4	B9	15/15/15	"	B8/B9 Field Drawn 800/50	SL. WEAK OK FINE
306 C	3 30 W	+6° 49'	0-1	6.42	B9	15/15/15	"	B8/B9 Focus 38 Field Drawn 800/50	SL. WEAK
03 C	—	+0° 17'	0	5.95	B8	15/15/15		B8/B9 800/42	SL. WEAK

00^h 42^m
05^h 45^m

195

Date March 12/13 1967 Sun 11m Observer Re ^{VN} / Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour An End
30407	HD 30614	04 ^h 44.1	+66°10'	G40	IIaOb	17	24°F	1906 ¹⁰	1925	A	037
30408	"	"	"	G40	IIaOb	17	"	1926 ²	1930	B	
30409	HD 281 159	03^h38.3	+31°51'	G40	IIaOb	17	1939			C	
							+24°F				
30409	HD 39286	05 ^h 46.5	+19°50'	G40	IIaOb	17	+24°F	21 ^h 19 ^m	22 ^h 40	F	0334w
								(0:46)			HO
30409 F ₁	focus Test	5/5	G10	F. filter	cal ab	37					
30409 T ₁	calibration step wedge				IIaOb						

Dome Temp.

Transparency Conditions Partly Cloudy

196

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
025	A 01 37W	+66° 18'	L	4.3	09.5 Ia	15/15/15	640	Re "DUST" NO 30 transducer with Xanalyzer 800/150	(GUIDING) OK
030	B					"	"	" 800/35	(EMULSION SCRATCHED) OK
	A			0.5		15/		Re "Dust" NO 19 Brighten up 4x coupled at 1950 Looked at field clocks 800/	
								Claudy. Close up. 2010	
02'40	0334W	+19° 54'	O	5.98	B9	15/15/	640	B8-B9 Clouds (cirrus) 800/45	WEAK
								Hopeless night - Close up at 2300	
	A							loss of seeing: no field flattener.	FINE
								for plates 30344 - 30409	
								13/3/67 // 64°F	

Date 15/16 March Wed/Thurs '67 Observer ^{once} ~~RS~~ — Ri Julian Day 153

[illegible]

Dome Temp.

1981

[illegible]

Date 17/18 Mar 67 Fri/Sat

Observer.

once

Re

mel

Rm

Ri

Julian Day

[illegible]

Dome Temp. -5°

Transparency Conditions *Excellent*

200

Focus

Dome Temp.

ding Time
E.S.T.

P.M.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

201.

Date March 18/19 Sol SunObserver BnRe De
Ph Ph
(DG)

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30410	+9°12'66"	06 25.5	+09°52'	G40	IIaOb	17	+07°F	19 20 ⁵⁷	21 14	A
30411	-11°17'61"	06 59.2	-11°26'	"	"	"		21 20 ³⁷	22 33	B
30412	HD 91948	10 31.9	+60°38'	"	"	"	07°F	22 40 ¹⁴	23 08	C
30413	HD 51316 (PLeu)	10 27.5	+09°49'	"	"	"		23 25 ³	23 31	A
30414	HD 74393	08 ^h 38.7	+04°41'	-	-	-		23 40 ³	23 45	B
30415	HD 83650	09 ^h 34.9	-10°07'	-	-	-		23 52 ^{3?}	<u>ESTIMATE</u> 23:58	A
30415 F1	Focus	5/5								B
494-1	} 2 ch. 2:01							0 ^h 31"		
-13									02 37	
30416	HD 173003	18 38.1	-01°44'	G40		17	6°	03 ^h 33 ⁴⁷	05 06	
30417	HR 7098	18 46.0	+31 31	G40		17	6°	05 15 ⁵	05 ^h 25	
30417T1	calibration step wedge				Kalbs			(C 10: 4.58)		

Dome T
Focus
Dome THour Ar
End

02:10

02:29

00:08

02:10

?

?

?

?

?

02:00

01:55

01:55

01:55

01:55

01:55

Dome Temp.

Transparency Conditions Photomekric

202

Q 1/2 quarter

$\Delta \frac{1}{2}$ quarter
auto-guider on the blink ... still ... on again? (!, 2b.)

- goes only on red
not green! Quality

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0210W	+09°53'	3	9.9	B8	15/15/15	G40	Re DUST NO 77 field plotted; looks OK. 800/35	OK
0250W	-11°30'	2	9.2	(A)	15/15/15	G40	Re DUST NO 92b find checks! 800/2L	L WEAK
0004E	+60°19'	2	7.4	F8	15/15/15	G40	KA 8"x8" SpB 800/80	FINE
0026W	+09°29'	2	3.6	B8	15/15/15	G40	Std Vel - 800/30	OK
?	+04°20'	2	6.3	B8	20/20	"	B8 B9 SpBin 800/50	(guiding) L WEAK
?	+10°24'	1+	6.2	B8	15/15/15		B8 B9 SpBin Field up & down in magn?!! N 800/60	L WEAK FIELD FLATTEN?
						G12		
							clouds	
0208E	-1°38'	1+ → 1-	7.7	B4	14/16/15	G40	Db-OB Programme #20 (Fader field drawn) Clouds - but clearing 800/60	FINE
0155E	+31°36'	1+	6.5	B9	15/15/15		B8-B9 800/50 - clouding again + at sunrise.	FINE
Closed up 5:45 EST.								
for plates 30410 - 30417								
							65°F / 20 min	

203

Date March 19/20 67 Sun/Mon Observer Re / Jr Julian Day 100

[illegible]

Dome Temp. 26° FFocus 35

Dome Temp.

Transparency Conditions Excellent

208

Clouds at 2100

ading Time
E.S.T.

PH

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

~~-11°28' 1-2 -96 (B) 15/20 G40 DUST NO 924 SKY BRIGHT clouds 500/7~~

Clouded in at 5 counts. Thrown away

205

Date.

Observer

Julian Day

Plate No.

Object

R.A.
1900Declination
1900

Inst.

Emulsion

Slit

Temp.

Starting Time
E.S.T.

Ending Time
E.S.T.

P.J.

30418

14058599

7 21.2

+ 11 12

G 40

IIaOB

17

 $+30\sqrt{}$

21 18

22-18

A

30419

AD 65241

7 52.7

+ 729

6.

4

66

22 26

23 14

15

30419F

Form List

4

12

C

G 40: 1:48

Dome Temp.

Transparency Conditions

V. hazz

206

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
W 1 40	+11 07	1	6.26	B8	12-12-12	G40	B8-B9	800/60 OK
7.	+7 23	1	6.3	B9	12-12-12	"	"	Getting steadily worse 300/22 SL. WEAK
2m-in / out out					5/5	G10	Six 38	OK

207-

Date March 24/25 Fri Sol Observer Re Ju / MCL / R. R. M. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30420	+61° 57' 0	03 16.0	+61° 11'	G40	IIaOb	17 slit	+35°F	19 25	19 58	A
495-1								20 20		
495-59								03 49		
30429	HD 165 794	18 02.0	-21° 28'	G40	IIaOb	17	30 F	04 30	05 31	B
								2 CH: 7:29		
								G40: 1:36		

Dome Temp.

Transparency Conditions Good 40

208

doc slowing quite slow.

Obs. Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality	
058	A 0420W	+61° 27'	3	84	B5	15/15/15	GAO	Re DUST NO 11 Field checks: <u>perfectly</u>	800/35	OK
			2							
			2							
531	8 0442E	-21° 25'		6.7	A2 Ia	10/5/5	3 46	Re DUST NO 13	800/50	OK

209

Eaton



Date March 26 1967

Observer Re Rm /

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
3042 ²	HD 34880	5 ^h 15 ^m .5	-05° 28	G40	IIaOb	17L	+35°F	19 ^h 11 ^m 20 ^s	19 ^h 50 ^m	A
3042 ² / 3	HD 36589	5 ^h 27.7	+20 24	G40	IIaOb	17L		7 ^h 53 ^m 10 ^s 19:53	?	B
G40 in 1:00										
30423 T	calibration star wedge				IIaOb					

Dome Temp.

Focus 39/

Dome Temp.

Transparency Conditions Poor.

210

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
02 30 W	-5° 20 ^m	1	6.27	B9	15/15/15	G40	B8-B9 (HR 1750) 800/60	OK
?	+20° 30 ^m	1	6.04	B8	15/15/15	G40	B8-B9 (HR 1860) Field Flattener! clouds 800/24	SL. WEAK
							← cloudy	
							2 loaded pl. in N Dir	

for plate 30418 - 30423

Date March 28, 29, Two-week, 1967 Observer Cn, Ph - Mac, Ri Julian Day 171

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P	Hour Ang End
30424	HD 74393	08 38.7	+04 42	G40	TL ₀₆	17 L	34°	23 06 ²⁷	00 00	C	W3:2
30425	HD 103095	11 47.2	+38 26	G40	II ₀₆	17 N	'	00 12 ⁴⁵	01 41	H	W0:5
30426	HD 131861	14 50.9	45° 43'	"	"	17		01 55 ²⁶	02:46	B	C 00
30427	HD 136849	15 17.8	+33° 47'	"	'	17xL		02 57 ²⁰	03 36	C	W2:2
							(G40: 3:56)				
30427F1	focus test	in in / out out		G40	II ₀₆	13	32°			A	

Dome Temp.

Transparency Conditions *Extremely hazy & l cloud*
early in evening, clearing ~ 22:30" 2/2
(some clouds after midnight)

[illegible]

Date Mar 29/30 ¹⁹⁶⁷ Wed Thurs Observer McL L - Hr Ri Julian Day 1967087

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30428	HD. 92588	10 36.3	-01 13	G40	IIgob	13	40	22 03 ²⁴	22 51	A
30429	HD 110463	12 37.2	+55°55'	"	"	17	.	00 20 ¹¹⁷	04 14	B
30430	HD 135722	15 11.5	+33°41'	"	"	13		04 31 ²	04 35	C
30431	"	"	"	"	"	"		04 40 ¹	04 42	A
30431r,	focus test	in in/out out		G40	Iaob	13	35			B
								(G40H:48)		
30431T1	calibration step wedge				Iaob					

Dome Temp. 40

Focus 40

Dome Temp.

Transparency Conditions

Thin cloud + Haze
after 02^h00 214

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0 23 W	-01 32	0.1	7.4	K ₁	15.15-15	G40	Std Vel 800/100	FINE
3 46 W	+55° 57'	1	9.4	K3 _{II}	15/15	G40	MK STDS NORMAL 800/100	FINE (GUIDING)
1 34 W	+33° 27'	4.54	G8 _{III}	45	G40	"	1/2 NORMAL 40/3	FINE (GUIDING)
1 40 W	+33° 27'	.	.	45	"	"	1/4 NORMAL 40/1 1/2	FINE
				5/5	G10	focus 40		FINE

for plates 30424 - 30431

Date March 30/31 1967

Observer..... Hd / R
Fa / Vm

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30432	HD 52860	6:57.7	+47° 54'	640	Da06	XL 17	58°	20:31	21:30	B
30433	HD 86314	11:04.1	-27° 04'	640	"	"	"	21:51	23:43	A
30434	HD 107328	12:15.3	+03° 53'	"	"	17N	"	23:55	01:01	C
30435	HD 131864	14 ^h 50.9 ^m	+45° 43'	"	"	17	-	01:13	03:27	A
30436	HD 136849	15 ^h 17.8 ^m	+33° 17'	"	"	17L	-	03:33	05:00	B
30437	HD 172883	18 ^h 37.5 ^m	+52° 06'	"	"	17L	-	04:15	05:14	C
30437 FI	focus test	in 1	1/4 out			13	34°			L
30437 Ti	calibration stars wedge				tracks					

Dome Temp.

Focus

Dome Temp. 40

887 569.6

L 884-2130

Transparency Conditions

very hazy

216

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
02 42 W	+47° 54'	0-1	6.34	B7	12-12-12	640	B8-B9: This exposure made sharp with focus 800/60	FINE
00 54 W	-27° 03'	0	5.6	B8	12-12	"	B8-B9 SP. 800/60	SL. WEAK
00 59 W	+03° 33'	0-1	6.1	K1	15/15/15	"	std Vel. 800/100	FINE
00 50 W	+45° 29'	0	7.64	F3	15/15/15	"	Hd-SB 800/70	V. SL. WEAK
00 45 W	+33° 04'	0	5.34	B9	15/15/15	"	B8-B9 Bi 800/70	(GUIDING) FINE
01 10 E	+52° 12'	0	5.83	B9	15/15/15	"	B8-B9 Bi 800/70	FINE
					5/5	610	std 38.0	FINE

for plates 30432 - 30437

std 38.0

Date Apr. 2/67 Observer Db Julian Day _____

[illegible]

Dome Temp.

Transparency Conditions *cloudy - strong winds* 218
cleared up completely after 3:30-4:00
Barometer in dome falling rapidly!

[illegible]

Date 4 April 1967 - Tues Observer McClure, H. Julian Day 1967009

[illegible]

Dome Temp.

Transparency Conditions

Good after 12:30
excellent!

22

[illegible]

Date FRI. - SAT.
APR. 7-8/67

Observer ^{Sd} McI/FA H_v Julian Day

[illegible]

Dome Temp. 35.0

Focus 38

Dome Temp.

Transparency Conditions Good.

222

ending Time
E.S.T.

P.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

1100 E -6.31 0+ 9.1 B0.5 15/B/ 640 06 0-B 22/800 L.WEAK

PH. A+B Loaded in N.PIER

166 visitors DG, sd, wt. - Jupiter
223

Date Apr 8/9 1967 Sat Sun Observer Re Vr Julian Day _____

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30440	HD 91948	10 ^h 31.9	+60° 38'	G40	IIaOb	17	+42°F	22 19	22 45	A
30441	111226	12 ^h 42.6	-24° 18'	"	"	"		22 50	23 25	B
30442	ε Leo	09 ^h 40.2	+24° 14'	"	"			23 30	23 32	A
30443	"	"	"	"	"				23 40	C
30444	56 UMa	11 ^h 17.3	+44° 02'	"				23 43		A
30445	"	"	"	"				23 48		C
30446	HD 131861	14 ^h 50. ^m 9	+45° 43'	"				23 59	00 35	B
498-1									00 50	
498-10									02 18	
								24: 1: 28		
								G40: 1: 50		
30446T1	calibration strip wide				IIaOb					

Dome Temp.

Focus 41/

Dome Temp.

Transparency Conditions Good

229

then photomicro after 2400

ing Time EST.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
45	A	0058 W	+60°18'	1	7.37	FB	15/15/15	G40	Sp. Bin ~ N; Field checks	80/800 FINE
25	B	0032 E	-24°37'	0	7.1	BG	15/15/15	~	B8-B9 SpB Field checks	800/60 WEAK
32	A	0237 W		2		G0II	7	Gp	MKStd 1/2 N	400/20 FINE
340	C	0246 W		2		"	7	G10	MKStd 1/4 N	400/10 FINE
	A	0117 W		2	5.8	G0II	7	"	MKStd 1/2 N	400/30 FINE
	C	0121 W		2	"	"	"	"	MKStd 1/4 N	400/15 FINE
035	B	0126 E	+45°28'	0	7.64	F3	15/15/15	G40	Spect. Bincay 1KAFS. look too faint for 2.6" Field Rotted 800/40	(Good 1.0 min) L. WEAK
0050										
0218										
8										
50										

for plates 30439 - 30446

10/4/67 // 71°E

225

Fn

L

Hr
Phase

Date 10/11 Apr. Mon/Tues '67 Observer MCE

Julian Day

[illegible]

Dome Temp. 40°

Transparency Conditions *Excellent*

226

Focus

Dome Temp. 33°

ding Time
EST.

21

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

3:38

51

Date:

Date 14 Feb 1960

APR 11-12

Observer

$$\begin{array}{c} \text{mol} \\ \text{Cu} \quad | \quad \text{Re} \\ \text{Km} \quad | \quad \text{Ri} \end{array}$$

Julian Day.

[illegible]

Dome Temp. .. 24° ..

228

[illegible]

229

Observer

Rice

Db
Ri
mel

Julian Day

[illegible]

Dome Temp. 52°F

Focus

Dome Temp. 42°FTransparency Conditions Low Haze

230

ending Time
EST.

P

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

4 50

0

0

Clouded over completely from 00:15 to 01:15 EST

Also some cloud at 23:40 EST.

Sund after 01:15

Julian Day

WED-THURS

[illegible]

২২

[illegible]

Date 22 April, 1987 Observer Fa 172 visitors Julian Day 172

Date 22 April 1987 Observer _____ Julian Day _____

[illegible]

Dome Temp.

Transparency Conditions

234

[illegible]

Date Apr 29

Observer

Julian Day

[illegible]

Dome Temp. 30° F

Transparency Conditions EXCL.

236

	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
4 ^{c.}	4 ^m 07 ^m W	+09 09	0	4.5	B3III _a	46	G46	Re * focus 48.0	FINE
4140			1						
	for plate no			30446			(25 cps / 68°K)		

Date Thurs April 25/26 1967 Observer L- Ri Julian Day 1967094

GO
9mcl

Ri

Date Tues April 25/26 1967 Observer L- Ri Julian Day 2453910.5

[illegible]

Dome Temp. 42°F

Focus 40

Dome Temp. 34°F

Transparency Conditions *Good*

238

Clouds 22 to 23^h EST.

nding Time
EST.

PM

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

2

2

Trouble with Electronics 03:00 → 04:00

Date Wed Apr. 26/27, 1967 Observer / Db Julian Day

[illegible]

Dome Temp.

Transparency Conditions

240

Pool - Then cleared up at ~2 EST.
moon past full ~14 hr.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 14E	-09° 18	0	9.2	09I	15/15	G40	Db-OB Programme #10. Field OK. 800/? Bad seeing for ~3:00.	SPECTRUM VERY WEAK; LOW / VERY STRONG; FOGGED WHILE IN SPECTROGRAPH
for plate no 30448							70° E	
Note: ' Could the exposure meter and rate meter perhaps be checked? The former wouldn't stay balanced so I had to finally give up on it. 2 No pulling out of the shutter closing + opening switch? - it's not marked anywhere								

Date Thur Fri Apr 27/28

Observer ^{Li} Re mel / mel Julian Day[illegible]

Dome Temp. 35°

242

Hour Angle End	P.M.	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
5 ^h 15 ^m W - 2° 24'	C		0	7.9	B.I.S.E	15/16/15	Q40	DE DUST # 52 74 minutes; clocks - 800 / 1000	FOCALLED STABILITY com 5 5890 d/c
			1					<u>WEAK</u>	
			1						
for plate no 307 x 4									28 Apr / 1300 // forecast (320) sec
									With all the expensive equipment we have in the dome, you would think we could afford a pencil sharpener

Date Fri-Sat Apr 28/29 Observer Mel / Jn / Ph / Mel Re Julian Day

[illegible]

Dome Temp. 48

Focus 40

Dome Temp.

Transparency Conditions *some haze in the south* 789

[illegible]

245

Date May 5/6 1967 F. Sal Observer ?* / Re Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.
30449	HD 147010	16 14.2	-19° 48'	G40	IaO	(17S)	+41°	0010 ²⁰	0050	B
30450	HD 147009	"	"	"	"	"		0055 ¹⁸	0130	A
30451	HD 147010	"	"	"	"	"		0131 ¹¹	0152	B
30452	HD 146834	16 13.2	-19° 58'	"	"	"		0155 ¹⁹	0233	A
30453	-17° 51' 49"	18 15.0	-17° 11'	"	"	"		0240 ²⁶	0332	B
30454	⊙ Aql (191692)	20 06.1	-01° 07'	"	IIaOb	17XL		0345 ¹	0346	A
30455	"	"	"	"	"	17XL		0347	0349	C
30456	145 556 w/c 49	20 27.0	+48° 37'	"	"	17XL		0400 ⁴	0407	A
								(3:10)		
30456F ₁	F0008 rnl	5/5			IIaO		+37°			B
30456T ₁	calibration step wedge				IaO					

* unknown was my first brief missed a good opportunity of getting some work done!
 In view of the poor sky earlier first half man was doing other things

Dome Temp.

Transparency Conditions *Good - Excellent*

246

Exposure Time E.S.T.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0050	B	0050 E	-19°56	0.1	8.1	B9.5V	8/8/8	G40	Re "DUST" NO. 102 a (bugher)	OK
0130	A	0010 E	"	0	8.5	A0V	8/8/8	"	" " " 102 b (finder)	L-WEAK
0152	B	0010 W	"	1	8.1	B9.5V	8/10	"	102a ^{medium circle} during exp.	OK
0233	A	0055 W	-20°04	1	7.4	K5III	8/8/8	"	101	OK
0332	B	0005 E		1.0	8.4	(13)	8/8/8	"	121 b thin circle	OK
0346	A	0143 E		2	8.2	B9.5III	22/22	"	129	FINE
0349	C	0140 E		2	"	"	22/20	"	129	OK (FOGGED)
0407	A	0146 E	+48°51'	1.2	5.0	B2V	4/5	"	134	FINE
	B							G10		FINE
									PHC loaded IIaOb in N Dier	
									(D-19, 7 min, 65°E)	
for plates 30449-30453										
* Frank Exp. taken during work.									No crosshair illum in 6" finder.	
* Anson See me before processing the IAD plates. (Roni)										
to better advantage										

150 Vessels - Jupiter Id - ^{G.O.}~~5~~ - Wt
 -Sun
 Date Sat May 6, 7 7 Observer Db Ri Aurora in north! Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30457	*D 136849	15 17.8	+33 17	640	Daob	17XL	45°	22:46 ¹³	23:11	A
30457 F1	Focus Test				IIoOb		45°			
32457 T1	calibration step wedge				IIoOb					

Dome Temp. 44°

Transparency Conditions Poor - Clouds.

298

Focus

Dome Temp.

nding Time
E.S.T.

P.A.

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

3:11 A

~~3:11 A~~

+ 33° 04

0

5.34

B9

15/15/

G40

B8-B9

(Fuse out) 70/800

FINE

E 1:29

5/5 G40 !

ALMOST
INVISIBLE
(FOCUS)
OK

Horribly Cloudy. Closed up at 01 EST

for plate 8 nos 30454 - 30457

(acc., 70° F, 6.3 min)

Dome Temp. 39°F at 02:30

Transparency Conditions Hazy

250

Focus 3.8

Dome Temp.

ending Time
E.S.T.

2:18

355

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
		1+						
		1+						
	Lost n1 hr in wrong field (Re)							
00 46 W	-17° 03'	1	9.1 (B)	1		G40	Re DUST NO 121F sky brightening 800/12	WEAK
	0000	Close up						

251

[illegible]

Dome Temp. 46°F at 02:30 EST

Focus40.....

Dome Temp.

Transparency Conditions Good (Patches of Cereus)

252

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
		1+						
		1+					clouds.	
			9.1	B0.5		G40	clouds in south mainly now. ^{discarded - too} 80/52 _{OK}	
0°18 W	13°57	1	6.1	B9	5/4	G20	B8-B9 80/	FINE

253

Mse / Db

Date Mon May 15-16/67 Observer Ch - Ri Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30459 F ₁	focus test in in / out out			G12	IIaO	9				A
30459 F ₂	"		"	"	"	"				C
30460	HD 102 870	11:45.5	+2° 20'	G12	IIaO	9	49	20:57 ²²	21:41	C
30461	HD 123 782	14:04.6	+49° 56'	G40	IIaOb	17	46°F	22:02 ¹⁸	22:37	B
30462	HD 136849	15:17.8	+33° 17'	G40	IIaOb	17XL		22:52 ⁵	23:02	A
30463	HD 139160	15:31.5	-25° 57'	G40	IIaOb	17XL	42°F	23:09 ²⁷	00:03	B
30464	HD 168894	18 17.0	-14° 42'	G40	IIaO	17		00:13 ⁶⁹	02:30	A
30465	HD 173987	18 43.2	-6° 34'	G40	IIaO	17		02 33 ⁴²	03 56	C
30465F	focus test in in / out out			G40	IIaO	17	focus 41 38°			A
30465 T ₁	calibration step wedge			G12	IIaO					
30465 T ₂	calibration step wedge			G40	IIaOb					

Dome Temp. 50°F

Transparency Conditions

good

254

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
A					5/5	NO FILTER		FINE
C					5/5			SL.C. TO V IN VIOLET
41 C W 11:08	$+2^{\circ} 00'$	1	4.16	F8K	10-10-10	G10	BRIGHT STD. UEL.	200/100 FINE
37 B E 0:15	$+49^{\circ} 38'$	0	6.8	M2	15-15-15	G40	STDP. UEL. [FOCUS 41.0]	800/100 FINE
02 A E 1:03	$33^{\circ} 04'$	0	5.34	B9	15-15-15	G40	Bf-B9 BIN.	800/70 ⁽⁺⁾ * OK
03 B E 00:17	$-26^{\circ} 07'$	0 ⁺	6.0	B9	15-15-15	G40	"	800/70 * OK
2:30 A F 00:34	$-14^{\circ} 37'$	0	10.0	B11	15/15/15	G40	DA-OB #18. Field Checks.	800/15?? SLIGHTLY WEAK
2356 W 00:26	$-6^{\circ} 30'$	0	9.1	B0.51a	15/15/	G40	DB-OB #14	800/21 V. SLIGHTLY WEAK
A					5/5	G10		* BLANK

for plates 30458, 30460, 30464-5

(D-19, 69°F)

for plates 30459, 30461-30463

fogged one end (ACC, 70°F)* plates fogged one end - top not
properly on UNEXP. box?

255

Date May 16-17, Tues-Wed, 1967 Observer ^{Cn} ~~G-5~~ ^{D6} ^{R1} ~~Hv~~ Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30466	HD 109379	12 29.1	-22 51	G12	IaD	9	49°F	20:35 ¹⁸	21:11	C
30467	HD 107904	12 18.9	+43 05	G12	IaD	9		21:43 ³⁰	22 43	C
30468	HD 124897	14 11.1	+19°42'	G12	IaD	9L		22:56 ²	23:00	A
30469	HD 139842	15 35.6	+36 58	G12	IaD	9		23 17 ¹²	23:41	A
30470	HD 165894	18 17.0	-14 42	G40	IaD	17		23:54 ³⁸	02 30	A
30471	HD 173283	18 42.0	-09°25	G40	IaD	17	focus 41. 44°	02 34 ⁴²	03 57	C
30471 F1	focus test	in in / out in		G40	IaD	17	44°			
30471 T1	calibration step wedge			G12	IaD					
30471 T2	calibration step wedge			G12	IaD					

WHERE IS C12 FILTER?

Dome Temp. 52°F

Focus 41

Dome Temp. 46°F

Transparency Conditions occasional cloud at dusk
21^h - clouds from NW

256

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
11 C 00 03 E	-23 10	0	3.55	C5 III	2-1-2	NONE	Std. Vel. occasional cloud. 200/100	FINE
43 C 01 40 W	+42 43	1	6.2	F2	2-1-2	NONE	Cn* <u>broken</u> start on E side of slit 200/60	(GUIDING) FINE
00 A 00 05 W	+19° 23'	1	1.3	K2 III	5-5	NONE	Std. Vel. <u>at wrong end of box</u> 20/50	(GUIDING) FINE
41 A 00 38 E	+36 47	1	5.1	B8 n	2-1-2	NONE	SB I C B A BROKEN 200/70	FINE
230 A 00 30 E	-14 37	1+	100	B1 II	15-15/15	C40	Db OB #18 500/27	WEAK
357 C 00 32 W	-09 17	1-1+	9.2	09 I	15-15/15	"	Db OB #10 800/27	SL. WEAK
					5/5	C10	focus at 41	FINE

for plates 30466 - 30467, 30469 - 30471 (2-19, 69°F)
for plate no 30468 (ACC, 71°F)

Anson: ① all pieces of broken plates are in same slot

② 2 broken unexposed I a O in wrong end of unexp. box - use for 040

③ 1 II a O plate in wrong end of exp. box

Dome Temp. 56

Focus

Dome Temp.

Transparency Conditions cirrus at dusk - especially in N.

22^h cumulus

258

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
41 L 04 07W 20° 56'	0?	—	C2V	15-15-15	C12	Jupiter	20/60	FINE
08 A 00 27E -5° 23'	0?	—	C2V	15-15-15	C12	Mars	20/60	FINE
05 A 01 37W +2° 00'	0+	4.16	F8D	15-30	R12	Std Val. ^{currus increasing} 22 ^h solid cumulus	200 / ¹¹¹ 5.0	L. WEAK
closed up 22:30								

for plates 30472-30474

Accum. 70°F / May 10

Answer: There are now 4 broken I & O plates in
wrong end of unexp. box.

259

Date Fri/Sat, May 19-20, 1967

Observer. ^{Re} G.S.

Julian Day.

[illegible]

Dome Temp.

1.26

Transparency Conditions *Variable claudiness*

760

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
23:25	01 ^h 17W	+65 00	0	5.70	B9u	15/15//	G10	Interstellar line capped 21:30 - 22:40 23:25 → ∞ 800X/118	VERY WEAK
								clouds real thick now	
								Closed up at 0100 ; still cloudy	

Dome Temp. 43°Focus 40

Dome Temp.

Transparency Conditions

good Gibbous moon
bright sky262

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0 20W	+28 17	-1	7.0	G0	15/20/20	G40	wt program	800/60 (GUIDING) FINE
01 08W	-14°08'	0+	10.5	B5Ia	15/15/15	G40	Db-DB Programme #19, field checks.	800/20? WEAK

263

Date 22-23 May/67
Mon-TuesObserver Ch - Ri ^{use Db}

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30478	HD 119476	13:38.4	65° 20'	G12	IaO	9	45°F	20:34	22:34	C
30478	HD 119476	13:38.4	65° 20'	G12	IaO	9	45°F	22:25 ³⁸	23:41	C
30479	HD 124897	14:11.1	19° 42'	G12	IaO	9		23:52	23:56	A
30480	HD 145792	16 07.7	24° 10'	G40	IaOb	17xL	42°F	0:10 ²²	00:54	A
30481	HD 168854	18 17.0	-14° 42'	G40	IaO	17		00:58 ⁶⁸	03:53	B
30481F	Focus test	unimportant		G40	IaOb	17	40°F			C
30481T1	calibration step wedge			G12	IaO					
30481T2	calibration step wedge			G12	IaO					
30481T3	calibration step wedge			G40	IaOb					

Dome Temp. 49° F

Focus 38

Dome Temp. 40

Transparency Conditions *good / bright moon* ..

264

[illegible]

Dome Temp.

Focus 42Dome Temp. 50° → 49°

Transparency Conditions

Good

266

Extremely bright Aurora all over
the sky and
Gibbous moon. all night!!

ending Time
EST.

340

350

B

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
		1						
		1						
W140	-60 17'	1"	10.2	08	15/5	G40	06-08 #21 focus at 42 (field checks) 80x	OK + AURORA
	focus at 42				5/5	G10	* slight illumination of slit by aurora - capped several minutes at one point.	FINE
for plate # 30482							26 May 1971 0° F / 7.19	

26

Date *Fri May 26-27/67* Observer *Fr* ^{*L. mcl*} _{*mcl*} ^{*mse*} Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30483	HD 107 113	12 13.9	+86.59	G 12	IAO	9	59	20 51 ³⁰	21 57	C
30484	HD 136849	15 17.8	+33 17	"	"	9		22 04 ²²	22 48	C
510-1								23 21		
510-20									01 10	
30485	HD 173003	18:38.1	-1° 44'	G40	IAO	17	55°F	01:29 ¹⁵	01:59	A
30486	HD 187640	19:45.9	28° 12'	G40	IAO	17XL		02:04 ⁵	02:14	B
30487	HD 184467	19:29.5	58° 24'	G40	IAO	17		02:21 ¹⁴	02:49	C
30488	HD 199714	20:53.9	47° 54'	G40	IAO	17	55°F	02:56 ²²	03:40	A
30488 F ₁	focus test	in in front and		G40	IAO	17	55°F			B
30488 71	calibration	step wedge		G12	IAO					

Dome Temp. 59

Focus

Dome Temp. 54 °FTransparency Conditions good / bright moon

268

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1:19 W	86 39	1	6.33	Fo	10-10-10	G12	Interstellar line 200/17?	WEAK
0:34 E	33 05	1	5.34	B9	10-10	G12	B8 B9 spec. Bin. 200/60	FINE
0:43	-1° 38'	5"	7.7	B4	12-12-12	G40	D6-OB focus 43.0 200/25	(GUIDING) FINE
1:35	28° 23'	5"	6.24	B8	12-12-12	G40	B8-B9 (main prog) 500/35	FINE
0:42	58° 31'	3-6"	7.5	K5	12-12-12	G40	std. Vel. 500/50	FINE
1:15	48° 10'	5"	8.3	B85b	12-12-12	G40	Re Dust # 138 NO FIELD? 500/~25	FINE
					5/5	G12	* Tad/G40 in exp. box #1 *	FINE
for plates 30483-30488							0-19/30 mag / B9°	

19^{1st} showing Ph, Al; Rm cloudy
63^{2nd} showing

May 27

26⁹

Date

Observer

Julian Day

Plate No.

Object

R.A.
1900

Declination
1900

Inst. , , , Emulsion

Slit

Temp.

Starting Time
E.S.T.

Ending Time
E.S.T.

P.I.

ALUMINIZING: MAY 29 - JUNE 5

Dome Temp.

Transparency Conditions 4

270

[illegible]

10 June wt, Sd, Rm cloudy 1st showing 57
2nd "

2nd " 63

271..

Date 11-12 June 67

Observer Ri-m-se

Julian Day

[illegible]

Dome Temp. 72

Focus 45.1

Dome Temp.

Transparency Conditions

hazy

22:45: cloud from S.W.

272

ending Time
E.S.T.

P

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

17 A

0:45

-26°07'

5"

6.0

B9

15/10

G40

B5-B9 (B) FOCUS 45.0

UNABLE TO
BAL. EXP. ATT.

WEAK

5/5 G12

BADLY
C TO VI.

for plate no 30489

cloudy

dry focus 43.0/72°F

Date 12-13 June 67 Observer Ob-Ch Julian Day 173

[illegible]

Dome Temp.

Transparency Conditions

217.4

[illegible]

Date 14-15 June 1967 Observer Mc-GS-Bd Julian Day 175
Wed-Thurs

[illegible]

Dome Temp.

276

Ending Time EST.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1:46	A 00:52	49° 36'	2"	6.8	M2	15/30	G40	sed. Vel.	EMULSION LIFTED IN PROPERLY SL. WEAK
	A					5/5	G40	clouds	C TO R.
								for plate no 30490	NO EXP. MTR

Echo crossing Big Dipper southward at 00:52 EST.
 Fast moving ^{Sis} satellite " - Andromeda downward 02:41 EST.
 " - Pegasus " 03:01 EST.

Date 15-16 June 1967 Observer Db-Ri Julian Day
 Thurs - Fri

Observer Db-Ru

Julian Day

Dome Te
Focus ..
Dome Te

Hour Ang
End

302

W 0130

W 2:11

for
for

Dome Temp. 72.....

Strong lightning in the north

278

	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
R02	S	W0:26	+45° 27'	O ⁺	7.64	F3	15/15/15	G40	spect. Binary (KAFS) No Exp. MTR	WEAK
L90	A	W0:39	-14° 37'	D	10.0	B-I-II	15/15/15	G40	DB 08 Program #18 (Field checks - see #30470)	VERY WEAK
3:39	S	WZ:11	-9° 20'	I ⁺	9.2	OGI	15/15/15	G40	Db #10 (Haze in south at ~0020, so increased exposure time; clearer at v.R.)	VERY WEAK
C							5/5	G10	field drawn - OK focus @ 43	CENTRE TO VI.
									for plate # 30491	
									DCU in D-19 / 74°F June 16	
									" "	
									for plate 30492, 30493	

Echo moving Southward, just west of Palms at 23^h 58^m
moving Eastward through Corcoran at 00^h 17^m

Date 18-19 June 1967

Observer..... *Wise Fred*

8 7 6

Julian Day

[illegible]

Dome Temp. 65°F

Focus 13-0

Dome Temp.

Transparency Conditions *hazy - clear later*

280

NO DB-OB PROGRAM BOOK

OK! NOW.

(AT FIRST)

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1:14 E	-30° 34'	8"	4.30	m III	10-10	G12	std. Vel. 100/140	FINE
1:37 E	14° 28'	5"	4.41	m V	10-10-10	G12	std. Vel. FAINT BLUE COMPANION *1 2100/140	FINE
			10.2	08		G40	DB-OB #21 FOCUS 43.0 800/	
W 0:15	39° 16'	~5"	7.2	G8	25-15	G40	std. Vel. 800/60	BADLY FORMED STRONG COMP. SL. FOG STRONG/OK
E 1:47	+5° 05'	~5"	6.54	B9	15-15-15	G40	B8-B9 (S.B.) 800/ 10 MIN. COMP/OK	
N 2:05	-6° 18'	?	10.2	08	15-10-	G40	DB-OB #21 800/	"
					5/5	G12		VERY, VERY SL. CTR.

*² replaced R.A. part motion fuse
 * back loose on P.H.: : plate likely to be fogged

Date 19-20 June 1967

Observer D6 - Gr

Julian Day

[illegible]

Dome Temp. 69° F

Focus

Dome Temp.

Transparency Conditions Clouds in West

282

Haze + clouds moved in at ~ 22^h EST - have to prolong exposure to get Fine.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
0:07 E	-7° 23	4"-5"	9.9	B1 Ia	15/15/15	640	Db-OB Program #13 Field Drawn - OK Hazy for ~ 2 hours	FINE (GUIDING)
0:26 W	+13 56	5"	6.1	B9	15/15/15	640	B8-B9 Sp. Baranes. *	800/70 FINE
0:43 W	+00 36	5-7"	6.42	B9	15/15/15	640	B8-B9 Sp. Baranes.	FINE
(?)	+27 25	5"	6.2	B9	15/15/15	640	B8-B9 Sp. Baranes.	FINE
01:20 W	+13° 15	4"	6.07	B8	15/15/15	640	B8-B9 Sp. Baranes. - 2 stars in field - brightest one	6" finder FINE
					5/5	612		N.S.C. TO RED
for plate 30494 - 30500							D-19/20/6/67/70°F	
for plate 30501 - 30504							Acc. 70°F / 20/6/67	
							* Automatic finder won't move ^{star} to the right!	

2830

Date 22-23 June 1967Observer Re - Gs

Julian Day

THUR - FRID.

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30504	HD 17889	16^h 19.4	-24° 14'	G40	II ao	17		21:09		A
30504 (*)	HD 124897 (U)	14^h 11.1	+19° 42'	G12	II ao	9		21:52	22:12	C
30504	α Oph (HD 146051)	16 ^h 09.1	-03° 36'	"	"	"		22:22	22:50	A
30505	α Her A (156014)	17 ^h 10.1	+14° 30'	"	"	"		22:58	23:30	C
30506	α Boo	14 11.1	+19° 42'	"	"	"		23:38	23 50	A
30507	β Oph	17 ^h 38.8	+4° 37'	"	"	"		23:59	00 27	C
30508	HD 186791 ^{γ Aql}	19 ^h 41.5	+10° 22'	"	"	"	+65°F	00:31	00 47	A
30508 TI	calibration stars wedge			G-12	II ao					

* (1) Plate 30504 broke when messina removed at unloading

Dome Temp. 68°FTransparency Conditions 50% solid cims

284

Focus

Dome Temp.

X meter?

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
A	-24° 21'		7.9	B2 V	18/	G40	Clouds down there; give up at 2175	
C 0143W	+19° 23'	1.2	1.29	K2 IIIp	15/30	G10	(Std Vel) switch to G12 Std Vel	LOST PLATE IN DEVELOPMENT
A 0023W			4.3	M1 III	22/22	"	G12 Std Vel	(GUIDING) SL-WEAK
C 0000 ^m	+14° 29'	2	3.2	M5 II	15/15/15	"	do	FINE
A 3 22W	+19° 24'		1.29	K2 IIIp	15/15/15	"	do	(GUIDING) FINE
C 0027W	+4° 37'	2"	3.93	K2 III	15/15/15	"	do	FINE
A 1 13E	+10° 35'	2"	4.15	K3 II	15/15/	"	do	L-WEAK
					G100		CLOUDY 99%; close up	
for plates 30504 - 30508							Acc/23/6/6 71/71°F	

Date Fri June 23/4 - 1967 Observer L. Bd - MSR Julian Day D6

[illegible]

Dome Temp. 70°

Focus

Dome Temp. 66°

Transparency Conditions

Transparency Conditions Good seeing - bright moon later at ~ 19h. RA. 286

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Fitter	REMARKS	Quality
00 01W	36:47	3"	5.1	B8n	15-15-15	G10	SCABA	FINE
01 02W	-14° 07	3"-2"	10.5	B5Ia	15/15/15	G40	DB-OB Program #19	SL. WEAR
02 31W	-6° 19	2"	10.2	09I	15/15/15	G40	DB-OB #11.	FINE
					5/5	G10	WHAT FOCUS. ? 42	SL. C.T.R.

Note: Iron arc electrodes too far apart.
Difficult to strike arc.

Note: Iron arc electrodes too far apart.
Difficult to strike arc.

Date 25-26 JUNE, 1967 Observer Bd - D6 Julian Day 174
SUN., MON.

[illegible]

Dome Temp.

Transparency Conditions Clear - good
Windy later; snowing not as good as
we'd like it to be.

288

[illegible]

Date 26-27 June, 1967

Observer... Db-Ch

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30515	HD 171344	18 29.3	-13° 57	G40	IaO	17	66'	21:42	23:59	C
30516	BD -13° 5166	18 52.9	-13 31	G40	IaO	17	66°	00 ^h 07	03:35	A
30516 T1	calibration step wedge			G40	IaO	17				

Dome Temp.

Clear + good after ~10:30 EST

290

ding Time E.S.T.	P.L.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
59	C	00 ^h 31 ^m E	-13° 51'	2"-3"	9.8	B05	15-15-15	G40	Db-OB Program #22 * (Haze for ~30 minutes at start of exposure)	FINE
1:35	A	02 ^h 40 ^m W	-13° 32'	2"-3"	10.58	B0II-III	15-15-15	G40	Db-OB #23 Field drawn - will be checked in - ^{young star} identified as -13° 51' 69"	SL. WEAK
for plates 30515, 30516										
* Exposure meter's wild for anything faint. Couldn't be balanced here. Answer: also, will need more IAO plates. ✓ Db.										

291

Date 27-28 June, 1967 Observer Db-L-^{G.O.}-~~Dg~~ Julian Day DD-MSK

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
30517	HD 171344	18 29.3	-13° 57	G40	IaO	17	^{Foc 42.2} 68°	⁹² 22 ^h 23	00 ^h 46	A
511 - 1								01 ^h 15 ^m		
511 - 5								02^h 00^m	03 ^h 00 ^m	
30517 T1	calibration step wedge			G40	IaO					

Dome Temp. 67°

Transparency Conditions *Clean + transparent*

292

Focus

Dome Temp.

ending Time
EST.

5^h 46^m R

8^h 00^m

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 ^h 18 ^m W	$-13^{\circ} 53'$	3 ["] 2 ["]	9.81	Ba5 III	17-15-	G40	Db-013 Programme #23 Go Del Mode Lc very hazy	OK
for plate no. 30517							D-19 / 28 June / 24 [°] C	

July 1 Hn GH Jn 120 vit. cloudy Universe & Slides

293

Date July 3/4, 1967 Observer Go, NCC, GS Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	How Ang End
512 -1 to -6	NCC 6633							21:20	23:10		
30518	¹⁶⁹⁵⁷⁸ HD 145001	18:20.2	+5° 02'	G40	IIa06	17xL	60°F	23:41 ¹⁷	0:15 ¹⁷	A	wo:20
30519	HD 169820	18:21.4	+14° 55'	G40	IIa06	17xL	"	0:18 ¹⁷	0:45 ¹⁷	B	wo:49
512-7 to A	NCC 6633							00:50	02:50		
30519 A	focus test in in/out out			G40	IIa06	17	60°F	—	—	A	
30519 T1	calibration strip wedge			G40	IIa06						for

Dome Temp. 64°F

Focus 42.0

Dome Temp. 56°F

Transparency Conditions *Intermittent Clouds.*

NO EXP. MTR.

294

NO AUTO GUIDER

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
		5"					clouds.	
15:15	$+5^{\circ}07'$	5"	6.54	B9	15-15/15	G40	B8-B9 (SB) FOCUS 42.0	(GUIDING) FINE
15:45	$14^{\circ}58'$	5"	6.43	B9	15-30	G40	B8-B9 (SB)	(GUIDING) FINE
16:00		6"					clouds	
					5/5	G12		
							for plates 30518, 30519	
							July 5/6 7/11 Aexp from 48"	SL. C 40 RED

295

Date Wednesday July 5th 1967 Observer Pi. Go Julian Day 172.5

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.E.
30520	HD 152909	16 51.2	-19 22	G40	Haob	17xL	60	21:45 ¹⁶	22:17	A
513-1614	NGC 6633							23:15	03:30	
30521	HD 224014	23 ^h 49 ^m .4	+56°56'6"	G40	Tlaob	17xL	54°	04:03 ³	04:09	A
30521F	focus test	mini/outline			Haob	17xL				A
30521 T1	calibration step wedge			G40	Tlaob					

Dome Temp.

Transparency Conditions

2,96

[illegible]

John Percy + 30 visitors - showed M13
from secondary school.

Date Thurs. Ev. July 6/7 1967 Observer Ri, Ea, Db, Go Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.II
30522	HD-14°503018 ^L 18.7		-14°13	G40	IaO	17	62° _{f42}	21.28 ^{11°}	01:08	C
514-1 to 3								01:20	02:25	
30523	HD 22 401423 ^H 49 ^m 4		+56°5'6.6'	G40	HaOb	17	58°	3:29	3:36	A
30523 F	Focus Test		IN IN / OUT OUT	G40	HaOb	17				B
30523 T ₁	calibration step wedge			G40	IaO					
30523 T ₂	calibration step wedge			G40	HaOb					

Dome Temp. 62

Focus 42

Dome Temp. 54°

Transparency Conditions Good

298

Exp. Meter Not used - diff. to keep balanced.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1 ^h 20 W	-14° 08	2-3"	10:5	B5 Ia	15/5/5	G40	DB-OB #19	FINE
		4"					wide field mirror control broken - FIXED BY 3 ²⁵	
1 ^h 37 E	+57° 15	4"	4.5	F8 Ia	20/20/20	G40	CCos - W + *	FINE
					5/5	G10		FIELD FLATTENER?
for plate no 30522							D-19/68°F	
for plate no 30523							D-19/68°F	

Sat July 8 142 Visitors Cloudy - Slides ✓
Pm Wt Sd

299

Go
 Go - (Hd-Re)

Date 12-13 July 1967 Observer J. J. Misk-Miller Julian Day
 Wed - Thurs

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Ang End
30524	NOVA	20: 40.8	+18° 59'	G140	Iaob	13x	74°F	23:02 ³	23:28	A	E2:29
30525	"	"	"	G12	Iaob	9L		23:20 ³⁰	0:20	C	E1:17
515 - 1/10/7	NOVA & NGC 7142							00 ^h 35 ^m	3h00 ^m		
30525 T1	calibration step wedge			G12	Iaob						

Dome Temp. 62°F

Focus

Dome Temp.

Transparency Conditions *clearing about 22:30 EST*
Excellent 300

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
198 A E2:29		5"	5.?		40	G40	NO EXP. MTR. BALANCE FOCUS 43.0	OK
20 C E1:17	+19°04'				10-10/10	G12	FIELD DRAWN	OK
		6"					Clouded out	
for plate no 30525					D-19/71°F / 13/2/67			

Date 13-14 July 1967

Observer Re-Gis

Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.M.
30526	NOVA NK 1176	20:40.8	+18° 59'	G40	Iaob	13XL	60°	2:17 ²⁸	0232	A
30527	"	"	"	G12	IaO	9XL	"	0245	340	C
30527 T1	calibration step wedge			G40	IaOb					
30527 T2	calibration step wedge			G12	IaO					

Dome Temp.

Transparency Conditions away from clean patches 302

ding Time E.S.T.	PA	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
32	A	0059W	+19°05'	0	N6	nc!	3/2/2	G12	a clear patch field checks 800/60	FINE
40	C	2 08W	"	"	"	"	10/12/12	G12	Only ~ 10m of clear sky clouding up 800/60	WEAK
for plate no. 30526									Acufin 72°F / July 14	
for plate no. 30527									D-19 developed 1.4x normal	
									When no GAO film: ON EXP. MTR	
									<u>MONITOR</u>	

Date July 14-15, 1967

Observer (Msk, DA) Geo Julian Day[illegible]

Dome Temp.

Transparency Conditions

-304

[illegible]

Date. July 14-15/67
Fri

Observer.....L.

Julian Day

Dome Ten
Focus
Dome Ten

Hour Angl
End
E 11 39
~~1 51~~
E 11 29 ?
~~1 11 E~~
0 15 W
JAE

Dome Temp. 52

Transparency Conditions very cloudy till 0100

306

Focus

Dome Temp.

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
E 11:39?								
+01E	19 03	0	?	?	4-4	G10	Clouds and haze	(SL. STRONG) FINE
E 1:29?	"	0	?	?	4-4	G10	better	FINE
+11E	"	0	?	?	12/12-12	G10		FINE
0 15 W	"	0	?	?	12/12-12	G10		FINE
0 01 E	+57° 18	-2?	4.5	F8 Ia	20/20/20	G40	e Cas Rm, W+	VERY STRONG

307

Visitors 794/77
showed Mars, a Hur
Fa Bn, Rm

Date July 15-16, 1967 Observer Re. Dd Co Julian Day 240

[illegible]

308

Dome Temp.

[illegible]

309

Date July 16/17 1967 Observer G. CH Ri Julian Day 15 Jan

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.
518-1 30534	NOVA DEL	¹⁹⁶¹ 20 40.8	¹⁹⁶⁷ +18 58.7	G40	IIaOb	13xL	61°	21 ^h 00 ^m 21 42	21 ^h 15 ^m 22 05	A
518-2515 30535	NG 6633 NOVA DEL	20 40.8	18 58.7	G12	IIaO	9 ^{XL}	61°	22 ^h 12 ^m 2 ^h 23 ⁴⁴	01 ^h 15 ^m 03 50	C
30536	HD 224014	23 49 23	+56° 56'	G40	IIaOb	17	58°	4 05	6 04 16	A
30536F	focus test	in in/out out		G40	IIaOb	17	58°			B
30536 T1	calibration step wedge			G40	IIaOb					
30536 T2	calibration step wedge			G12	IIaO				2 ch = 3:03	

Dome Temp. 62°FFocus 42Dome Temp. 58

Transparency Conditions

310

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
							Patchy network of clouds.	—
E 3 ^h 17 ^m	+19° 03'	5"	5-6	?	15-15-15	G40	no EXP. MTR.	FINE
		6"					Clouds.	—
Z 30 W	+19° 04'	6"	5-6	?	15-10-10	G12	clouds, cleared later BROKEN	SL. W.K.
O 15 ^h E	+51° 19'	5"	4.5	F8 Ia	20/20/20	G40	Wt# p Cas	FINE
					5/5	G12		FIELD FLATTENER?
for plates 30528, 30529, 30531, 30532, 30534, 30536 temp. 69°F / 17 Feb.							F20 is broken and still in plateholder "C" and in refug. ✓	
for plates 30530, 30533, 30535							D-19 / 68°F // July 17	

Date July 18/19 1967 Observer Ri. Gs Julian Day 19670718

[illegible]

Dome Temp.

hazy & cloudy

312

Ending Time E.S.T.	P.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality	
1:14	A	1:59 E	+19:05	5"	5.6	1.2	15/15/15	G40	Clouded over	NO EXP. MTL.	OK
1:17	C	0:08 W	+19:05	"	"	"	12/12/12	G10	"	"	L. WEAK
for plate no 30537, for plate no 30537											
D-19/20°C / 19 July											

313

Date July 19/20, 1967 Observer Wise - BQ - (Db) Julian Day Wcd - Thurs
Msk

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.I.	Hour Ang End
30539	Nova Del	20 40.8	+18 59	G40	IIaOb	13XL	70° (42.3)	20:53 ⁵	21:03	A	4:06
30540	— " —	"	"	G12	IIaO	9XL		21:39 ⁵⁸ CAPPED 21:54 REOPENED 22:39	23:35	C	1.35E
30540 F1	focus test in in/and out			G12	IIaO	9					
30541	HD192 666	20:10.9	-12° 39'	G40	IIaOb	17XL		0:03	0:17	A	EO: 27
30542	HD199 280	20:51.1	-3° 57'	G40	IIaOb	17XL		0:28 ⁵	0:38	B	EO: 45
30543	NOVA DEL	20:40.8	18° 59'	G40	IIaOb	13XL		0:45 ³	0:50	C	EO: 19
30547T1	calibration step wedge			G12	IIaO						for pl
30547T2	calibration step wedge			G40	IIaOb						for pl
30544	HD199892	20:54.9	41° 23'	G40	IIaOb	17XL	66°F	2:36 ¹⁰	2:56	B	EO: 30
30545	HD209819	22:01.0	-14° 21'	G40	IIaOb	17XL		3:03 ³	3:08	C	EO: 35
30546	HD216494	22:48.2	-12° 09'	G40	IIaOb	17XL		3:13 ⁹	3:30	A	EO: 10
30547	HD219749	23:13.2	44° 57'	G40	IIaOb	17XL		3:37 ¹²	4:00	B	EO: 15
30547 F1	focus test in in/and out			G40	IIaOb	13					

Dome Temp.

Focus

Dome Temp.

Transparency Conditions

POOR

3.4

2 full moon

NO EXP. MTR. (BALANCE)

Exposure Time EST.	P	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
03	A	4:06 E-19	05	3"	5-6	7	15-15-15	G40	(EXPOSED PLATE BOX #1)	OK SL. OK
									(TRIED TO FIND OB STAR - useless + left.	
03	C		"						clouds. - PROBABLY WILL BE WEAK	SL. OK
1:35	C	1:35 E	"	3-10"			15-30	G12	PLATE BROKE DURING EXP.	
							5/5	NO FILTER		V. SL. C TO R.
17	A	EO: 27	-12° 24'	23"	6.39	B9	15-15-15	G40	B8-B9 (main prog.) clouds	WEAK
38	B	EO: 45	-3° 40'	"	6.45	B9	15-15-15	G40	B8-B9 clouds	WEAK
50	C	EO: 19	19° 05'		5-6	?	15-30	G40	SPECIAL +	OK
		for plate no 30539 for plate no 30540-30547							40 2-19/69°F/20 July acuf. 69/20 July	
									+ TRIED OB STAR BUT SKY TOO BRIGHT - MISC (2 EMPTY P.H.'S)	
56	B	W1: 30	41° 50'	5"	6.0	B9	15-15-15	G40	B8-B9 (SB) FIELD OK VERY HAZY	OK
08	C	W0: 35	-14° 54'		4.3	B8	45	G40	B8-B9 (SB) clouds	SL. WEAK
30	A	W0: 10	-11° 45'		5.87	B8	15-15-15	G40	B8-B9 (SB)	SL. WEAK
50	B	W0: 15	45° 20'		6.30	B9	15-15-15	G40	B8-B9 (SB)	OK
							5/5	G12		V. SL. C TO R.

Date July 21/92 1967 Observer L - Gs Julian Day 1967-210
Frid - Sat.

[illegible]

Dome Temp. 70° F

Transparency Conditions

316

Focus

Dome Temp.

ending Time
E.S.T.

PE

Hour Angle
End

Declination

Seeing

Ptg.
Mag.

Sp.

Comp.

Filter

REMARKS

Quality

3 23 E

+19 04

2"

5-6

?

12-15-15 440

Very Hazy

OK

Date July 22/23, 1967 Observer Re-Ny Julian Day 175
Sat - Sun (D)

[illegible]

Dome Temp.

Focus 42.5 (was there from last night)

Dome Temp.

Transparency Conditions Fair to Poor

1318

Ending Time E.S.T.	P.H.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
00 05	C	00 24' XW	+15° 30	1	8.9	F0	15/15/15	GAO	Re Dole NO. 125 Field checks; full C; clouds	SL. WEAK
00 25	C	00 32 E	+19° 04	1-2	15	—	15/15/15	"	Shy clear now	FINE
00 33	C	00 36 W	—	2	11	"	15/15/15	GAO	* Plate broken in S-G pieces in Spectrophot. PUT IN WAVE BOX Hazy / Cinn	OK
00 45	A	02 05 E	+53° 19	4	5	F8	15/15/15	GAO	1 place Heavy clouds	FINE
									0215 - close up. Cloudy	
									Exposed Dole Box NO 2 und	
									NOTE	
									There may be an <u>unexposed</u> plate in the exposed plates Box. (?) ^{THAT} WAS.	

319

23-24 July 1967
 Date Sun Mon July Observer Ri Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30553	NGVEL	20 40.8	18° 59	G40	Ha06	17xL	74	23 10: ⁸	23 25	B
30554	"	"	"	G12	Ha0	9x1		23:45 ^{2 3}	00 31	C
30554F	focus test in air / out of focus			G40	Ha06	13	72			
30554 T1	calibration step wedge			G12	Ha0					
30554 T2	calibration step wedge			G12	Ha0					
30554 T3	calibration step wedge			G12	Ha06					

Dome Temp. ...7.4.....

Focus42.5.....

Dome Temp.

Transparency Conditions

320

cloud in south
lazy

Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
1 ^h 29 E	49° 04				15/5/10	G40		FIELD FLATTENING
0 ^h 15 E	"				15/5/15	G12	cloud over could not find any IAO plates	V. VERY SC. C 90 R 10 D.
					5/5	G12	top of G12 plates IAO now on ark angle with a turn the light 82: PLATE ES OK.	
for plate no 30551					D-19/71°F/24 Jul.			
for plate no 30554								
for plates 30548 - 30550, 30552 - 30553					Temp. 90°F 24 Jul/107			

321

Date Mon-Tues, July 24-25/67 Observer Db - Ch Go Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Inst.	Emulsion	Slit	Temp.	Starting Time E.S.T.	Ending Time E.S.T.	P.H.
30555	Nova Del	¹⁹⁶⁷ 20 ^h 40 ^m .8	¹⁹⁶⁷ +19° 04'	G40	IIaOb	17XL	73°	20 ^h 45 ^m	21:01	E
30556	Nova Del	20 40.8	+19° 04'	G40	IIaOb	17XL	73°	clouded at ~21 ^h 22 12	22 18	B
519	—							10 50	11 00	
30557	HD171305	18 ^h 29.0	+04° 50.2	G40	IIaOb	17mm	70°	01 07	02 15	C
30558	Nova Del	20 40.8	+19° 04'	G12	IIaO	9XL	70°	02 41	03:15	
30558 r1	calibration step wedge			G40	IIaOb					

Dome Temp. 73°

Focus

Dome Temp.

Transparency Conditions Good - clouds + lightning
on horizon
clouds - clear, ...

Clouds - clear, ...

322

Leading Time E.S.T.	P.A.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Sp.	Comp.	Filter	REMARKS	Quality
01	2	03 48E	+19° 04'	5"	?		15/15/15	G40		FINE
21	B	02 32E	+19° 04'	4"	?		15/15/15	G40	Closed up at 21.25	FINE
22				7"					-clouding in!!	
15	C	03 35W	-04° 48'	3-4"	8.6	B1V	15/15/15	G40	Patch of cloud	GUIDING WEAK
3:15		02 30W	-19° 04'	4-5"	?		15/15/15	G12	checked to see if IIaO plates were OK. May be broken near edge. cloudy over 3:15 EST - looked like rain also! yes, clipped in 2 places.	* VERY WEAK
for plates 30555 - 30557 - Conf. 21°F / 25/July What a really crazy night throughout !! * Note: There's a broken IIaO plate in the unexposed IIaO plate box (The small broken part was discarded)										

323

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

Plate No.

Object

R.A.
1900Declination
1900

Inst.

Emulsion

Slit

Temp.

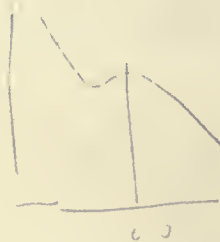
Starting Time
E.S.T.Ending Time
E.S.T.

31

324

Ending Time
E.S.T.

325



$$\begin{array}{r} +3 \ 30 \\ 2 \ 45 \\ \hline \end{array}$$

326

HANDBOUND
AT THE



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