

Frame prefix: SP95D

Telescope: 61"

Sheet #: 2

Date: JUNE 23/24

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: HICKS, GRIMDY

FRI

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
013	BS 6060	1.0	0.5	234	7:4	16:15:21	-8:21:35	1.62	
014	"							1.62	
015, 16, 17, 18, 19								1.63,	1.63, 1.63, 1.64, 1.64
20	BS 5968	1.0	0.5	23K	7:54	16:00:48	33:18:50	1.19	OBJECT WRONG IN HEADER
21	"	"	"	21K				1.70	
022, 23, 24, 25, 26, 27								1.20,	1.20, 1.20, 1.21, 1.21
028	BS 6558	1.5	0.5		8:02	17:31:48	34:16:24	1.04	
029								1.04	
030, 031, 032, 033								1.04,	1.04, 1.04, 1.04
034	7235 (STD)	0.2	1.0			19:05:11.9	13:51:10	1.07	
035	"	"	"	35K				1.05	
036	"	"	"					1.05	
037	"	"	"	36K				1.05	
038	"	"	"					1.05	
039	P/CLARK	1200	"	4.4 1.7	9:52	20:34:33	-36:09:27	2.71	
040	"	"	"	4.4 1.7				2.74	-2.81
041	"	"	"	4.7 1.7				2.02	
042	^{2AD} 129706	5.0	0.5		11:02	2:7:21	-0:38:14	2.83	

043, 044, 045, 046, 047, 048, 049, 050

2.80, 2.78, 2.76, 2.74, 2.72
2.69, 2.68, 2.66

Frame prefix: SP95D

Telescope: 61"

Sheet #: 3

Date: JUNE 24/25

Focus: 3855

Humidity: 40%

Observers: HICKS, GRUNDY

SAT

Iris:

Tailpiece:

Balance: 2000

Temp: 63/65

Guidepoint: (395, 398)

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
51	2102 TANTALUS	1200	0.5		3:45	17:32:45	7:00:19	1.52	JUMPS OUT OF SLIT FOR 6 MIN AT LEAST!
X	EXPOSURE			BUST,	1 MOVE WEIGHTS	TO 2995,	REDO EXP		
51	"	600	0.5	2.2K 1.2K	3:10	17:32:43	6:57:52	1.30	GUIDING STILL BAD
52	"	"	"	2.3 1.2K	4:21			1.34	Finally, good exp!
53	"	"	"	2.7K 1.2K	4:32	17:32:36	6:55:34	1.30	
X	COLLISION	W/	*	WE	PAUSE ON SPECTRA FOR A				
54	"	600	0.5	2.6K 1.2K	4:45	17:32:32	6:54:18	1.26	
55	"	"	"	2.7K 1.2K	4:56			1.23	
56	"	"	"		5:07	17:23:25	6:52:04	1.21	BRIGHT STAR TO SOUTH
57	"	"	"	2.7 1.2	5:18			1.18	
X	WE WAIT FOR			BRIGHT	STAR TO PASS				
58	"	600	0.5	2.6 1.2	5:34	17:32:16	6:49:25	1.16	JUMP IN EAST - 3.0"
59	"	600	0.5	2.5 1.2				1.14	COUPLE BRIGHT STARS PASS TO NORTH
60	"	"	"					1.13	-0:47
X	WE								
61	"	600	0.5	2.8K 1.2K	6:21			1.11	

Frame prefix: SP95D

Telescope: 61"

Sheet #: 8

Date: JUNE 24/25

Focus: 3855

Iris:

Humidity:

Tailpiece:

Balance:

Temp:

Guidepoint: 395, 390

Observers: HICKS, GRUNDY

SAT

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
62	BS 6530	1.5	0.5	15K	6:54	17:31:48	+34:16:29	1.00	
63								1.00	
64,	65, 66, 67							1.00,	1.00, 1.00, 1.00
68	BS 5968	1.0	0.5	22K	7:03	16:00:48	33:18:55	1.09	
69								1.09	
70,	71, 72, 73							1.09,	1.09, 1.10, 1.10
74	⁸³ 8041	2.05	0.5	23K	7:13	21:60:25	-4:45:05	1.80	
75	"	"	"					1.79	
76,	77, 78, 79							1.78,	1.78, 1.77, 1.76
80	⁵⁷⁰ 7235	0.12	1.0	31K		19:05:12	13:51:07	1.000	
81,	82, 83, 84				7:24			1.08,	1.08, 1.04, 1.00
85	D'ARREST	1200	0.5	400 Net	7:37	21:48:05	9:11:01	1.62	SOME GUIDING PROBS. by object
86	"	"	"	400 Net	7:59			1.48	
87	"	"	"	500 Net	8:20	21:48:14	9:10:50	1.37	
88	"	"	"	500 Net	8:44	21:48:17	9:10:51	1.20	
89	"	"	"	550 Net	8:06	21:48:18	9:10:43	1.22	LHA -1:53
90	"	"	"	600K	9:30	21:48:19	9:10:32	1.17	
91	"	"	"	400K	9:51			1.13	JUMP IN EAST * LHA -54
92	"	"	"		10:13			1.11	DT = -2 mn

Frame prefix: SP95D

Telescope: 61"

Sheet #: 6

Observers: HICKS, GRUNDY

Date: JUNE
25/26
SUN

Focus: 3842
Iris: #2
Tailpiece:
Balance:

Humidity: 40
Temp: 61/63

Guidepoint: 395.3 J98

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
95	BS 5968	1.0	0.5	36K	7:27	16:00:48	+33:18:51	1.14	
96								1.15	
97,	98, 99							1.15,	1.15, 1.15
100	BS 6538	1.5	0.5	18K	7:34	17:31:47.6	+34:16:24	1.02	
101								1.02	
102,	103, 104							1.02,	1.02, 1.02
105	BS 8041	2.5	0.5	25K	7:47			1.57	
106								1.57	
107,	108, 109							1.57,	1.56 1.56
110	CCFD 7235	0.15	1.0			19:05:11	+13:51:04	1.06	
111				31K	7:51			1.06	
112,	113, 114							1.06,	1.06, 1.06
115	D'ARREST	7200	0.5		8:16	21:51:01	09:03:45	1.34	FAINT SAILS BY TO SOUTH
116	"	"	"	ZIK LOR	8:37			1.30	DEC GUIDING ILL BEHAVED!
X	I SEE STRANGE LIGHT LEAK IN 115. TOP OF DEWAR FOR SPCL, LOOK FOR								
X	SOURCES OF SCATTERED LIGHT. NOTHING UNUSUAL. SKY HAZES ESP IN SOUTH								
X	MP6 HAS SCATTERED LIGHT AS WELL, I REWRAP SKIRT								
X	WE TAKE SAO FRAMES								

Frame prefix: FR9SD

Telescope: 61"
Friday/Sat.
Date: June 24 UT

Focus: 3858
Iris:
Tailpiece:
Balance: Tail heavy

Sheet #: 1

Humidity: 39%

Observers: Hicks, Grundy

note: Ham-fest weekend

Temp: 58/61 °F

Guidepoint (395, 398)

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
1	2102 Tantalus	40s	B/dichr	20k phot		17:40:01	9:24:04	1.45	-3 hours LHA
↓	"			"					$\dot{\alpha} = -0.077$ $\dot{\delta} = -.1001$
37	"			"					
38-40	SAO 122412	5 sec		28k pk 680k phot					GS star 9.2 MV
41-43	SAO 122570	"		35k pk 780k phot	5:13	17:36:54	3:17:06	1.26	GS star 9.2 MV
45	"	"			5:14:14	← actual time UT, then			clock reset
46	Tantalus	40s							
↓	"					17:39:29	9:14:49	1.16	
↓	"						9:11:48	1.12	← Jump E. LHA - :56
~100	"					17:39:09	9:05:20	1.09	Transit
110	SAO 122412	5 sec		pk = 24 k ph = 634 k ph	~7:15	17:28:33	2:24:25	1.16	
114	SAO 122570	"		pk = 29 k ph = 780 k ph	~7:20	17:37:05	3:16:57	1.15	
118	LAN 84-334	20		pk 30 k	~7:40	16:16:29	14:41:37	1.21	2 std. stars
120	"	"							
121	Clark	60		pk = 1000 ph = 46 k	9:36	20:34:34	-36:09:37	2.72	- :13 LHA

Times wrong headers -5

↓

Frame prefix: FR9SD

Telescope: 61"

Sheet #: 2

Date: June 25 1995

Focus: 3855

Humidity: 40%

Observers: Grundy, Hicks

UT
(sat/sun)

Iris: #

Balance: 2000
(tail heavy)

Temp: 63/65

Guidepoint: (395, 398)

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
122+	SAO 122412	5s	B/dich	~40k peak 570k ph	3:28	17:28:19	2:24:15	1.70	Vme clock is good to $\pm 0.5s$
125+	SAO 122570	5s	B/dich	~40k peak 680k phot	3:33	17:36:51	3:16:48	1.70	
128+	TANTALUS	40s		~20k phot	3:46	17:32:46	7:10:11	1.51	LHA = -2:58
↓	↓	↓	↓						Very bad tracking
140+	↓	↓	↓		4:06	17:32:44	6:58:17	1.40	move weights up 2995
↓	↓	↓	↓						now tracking is better
177	↓	↓	↓		5:10	17:32:25	6:51:43	1.20	-1:35
/							6:47:43	1.14	Jump LHA = :55
208+	SAO 122412	5			6:09	17:28:19	2:24:27	1.16	-1:30
213	TANTALUS	40s							$\alpha = -.08$ $\delta = -.1007$
222+	SAO 122570	5		33k 79k ph	6:34	17:36:51	3:16:44	1.15	-1:14
226+	LANDOLT * SA-84-334	20			6:42	16:16:29	14:41:37	1.10	1:13 ← VME crash
/							13:51	1.08	Jump -1:55
229	O'Arrest	60	B/dich	ph 10k	7:36	21:48:06	9:11:02	1.63	-3:22
229+	"	"		ph 11k					$\alpha = +0.32$ $\delta = -.0045$
/	↓	↓	↓				9:10:27	1.12	Jump -1:55
327	↓	↓	↓	ph ~12	11:17	21:48:27	9:10:07	1.09	0:17 DAWN

T = 59/61°F

Frame prefix: FR95D

Telescope: 61"

Sheet #: 3

Date: UT June 26, '95

Focus: 3842

Iris:

Humidity: 40%

Tailpiece:

Balance: 2000

Temp: 61/63 °F

Guidepoint: (395.3, 398)

Observers: GRUNDY, HICKS

(Sun/Mon)

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
/	Time on VME clock good to ± 1 sec.								clouds until $\sim 11:30$ MST
/	Telescope has been re-balanced in RA for LHA -1^h , $\delta = 10^\circ$								
/	by Bob Peterson, in order to fix jump in east. weights all the way left								
328+	LAN 84-334	20	B/dichr	Ph =	7:19:30	16:16:29	14:41:37	1.18	LHA = 1:56
331+	SAO 127112	4s	"	Ph = 230k		21:51:15	9:54:42	1.76	LHA ϕ V = 8.90
/	\uparrow There is another star 50% fainter just to north $\sim 1.5^\circ$								\uparrow These don't agree
334+	SAO 127129	5s	B/dichr	Ph = 450k		21:52:17	9:47:50	1.43	ϕ V = 9.40
337+	D'Arrest	60s		Ph = 11k	8:14	21:51:00	9:03:47	1.40	LHA = -2:44
\downarrow									$\dot{\alpha} = +.028$ $\dot{\delta} = -.0050$
358+	SAO 127112	5s		Ph = 16k Ph = 320k	EXACT 9:00:00	21:51:16	9:54:52	1.22	
361+	SAO 127129	5s	\checkmark	Ph = 480k	9:04	21:52:17	9:47:55	1.22	
364+	D'Arrest	60s		Ph = 11k	9:07	21:51:05	9:03:34	1.21	$\dot{\alpha} = +.025$ $\dot{\delta} = -.005$
\downarrow									clouds forming SE?
									$\dot{\alpha} = +.020$
							9:03	1.15	-1:21 Jump
									CLOSING!
396+	Dome Flat	5		27k pk					T = 59/61 °F
									H = 40%

w/ photo. mctry B