

60 inch Telescope Log		Spectrograph: <u>F45T</u>		Page: <u>4774</u>		
Observer: <u>Muchra/Hobbs</u>		Grating: <u>300</u>		Date: <u>6/23/96</u>		
PI: <u>Ail, Wilkes/Simpson/Hobbs</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			-	-	
11-13	DATA			-	90s	obs ~ 4 above bias
14-23	BIAS			-	-	
24	COMP			-	10s	
25-34	FLAT			-	6s	
35-39	SHY			0	3s x5	Template.
40	COMP			↑		
41-43	HD 136711	15 19.4	+48 37	0	5s x3	template out of focus
44	COMP			↑		
45-47	HD 136711	"	"	0	5s x3	" " "
48	COMP			↑		
49-52	ARK 2 p24	17 01 06	+24 35 05	0	10s x3	" out of focus
53	COMP			↑		
54	Felix 34	10 36 41.1	+43 21 50	0	100s	520 520L
55	COMP			↑		
56-57	N4151	12 08 01	+39 41 01	6	30s x2	
58	COMP			↑		
59	ARK 279	13 51 53	+69 33 13	6	90s	
60	COMP			↑		
61	NGC 5548	14 15 44	+25 22 01	6	120s	
62	COMP			↑		
63	H2 44	13 21 19	+36 23 39	0	90s	
64	COMP			↑		
65-67	HR 5110	13 34 42.7	+37 10 57	99	2s x3	out of focus
68	COMP			↑		
69-71	HR 5110W	"	"	99	4s x3	
72	COMP			↑		Moon!
73	09203 p 6214	09 20 18	+02 14 00	1	360	try to fix
74	COMP			↑		part at 0600h
75	09205 p 6244	"	"	1	600	fix at 0595

noise 8.65
gain 1.11

60 inch Telescope Log				Spectrograph: <u>FMS7</u>		Page: <u>475</u>	
Observer: <u>Huchra/Hobbins</u>				Grating: <u>700 L</u>		Date: <u>6/23/96</u>	
PI: <u>Huchra</u>							
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
70	Comp			↑			
77	09436 p5432	09 ^h 43 36	+54 32	1	600	H _α ~ 6850	
78	Comp			↑			
79	10040 p6836	10 04 00	+68 36	1	300		
80	Comp			1			
81	10 055 p7732	10 05 30	+77 32	1	480	H _α 7 m H	
82	Comp			↑			
83	10055 p7732	"	"	1	480	[] pos H _α + 6740?	
84	Comp			↑			
85	10131 p5444	10 13 06	+54 44	1	300		
86	Comp			↑			
87	10202 p5815	10 20 42	+58 15	1	360	H _α at 6657.	
88	Comp			↑		also H _β , H _γ , strong SII	
89	10230 p5733	10 23 00	+57 33	1	240	☉	
90	Comp			↑			
91	10295 p5907	10 29 30	+59 07	1	240		
92	Comp			↑			
93	10403 p7001	10 40 18	+70 01	1	180		
94	Comp			↑			
95	10403 p7038	10 40 18	+70 38	1	300		
96	Comp			↑			
97	10420 p7500	10 42 00	+75 00	1	300		
98	Comp			↑			
99	10446 p5940	10 44 36	+59 40	1	240		
100	Comp			↑			
101	10466 p5654	10 46 36	+56 54	1	240		
102	Comp			↑			
103	10580 p5804	10 58 00	+58 04	1	270		
104	Comp			↑			
105	10571 p5743	10 57 06	+57 43	1	270		

60 inch Telescope Log

Observer: Huffman, H46hrs

Spectrograph: F45T

Grating: 300L

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PI: Huffman/Kemper

Date: 6/23/76

Number	Object	R.A.	Dec.	L/R	Exp	Comments	
106	comp			↑		moved telescope during exp?	
107	U175 p 6008	11 17 30	+60 08	↓	300		
108	comp			↑			
109	11326 p 6325	11 32 36	+63 25	↓	420	clouds	
110	comp			↑		Went to ~ 6840	
111	12236 p 6243	12 23 36	+62 43	↓	300	clouds, header file trashed	
112	comp			↑			
113	12236 p 6243	"	"	↓	300	clouds, H ₂	
114	comp			↑			
115	N4572	12 33 47.7	+74 31 27	↓	230	clouds! H ₂ at 6600	
116	comp			↑			
117-119	AG DRA	16 01 40	+66 48	12	3x3		
120	comp			↑			
121-123	AG DRA	"	"	12	30x2	clouds	
124	comp			↑			
125	AG DRA	"	"	12	30	"	
126	comp	WHY BOITER!					MOVED TELESCOPE
127	Draco CM1	17 19 57	+57 50 03	12	5005	clouds, not very good	
128	comp			↑		going south	
129	U1 Ser	17 42 38	+56 45	12	1803	not much here	
130	comp			↑			
131-134	CE Cyg	19 50	+35 41	12	3x23		
135	comp			↑			
136-138	CE Cyg	"	"	12	20x3	clouds!	
139	comp			↑			
140	CE Cyg	"	"	12	605	"	
141	comp			↑			
142	A5289	18 12 22	-11 40 13	12	1005		
143	comp			↑			
144	V1016 Cyg	19 57 05	+35 49 33	12	1805		

60 inch Telescope Log

Observer: Hobbs/Hobbs

PI: Nelson

Spectrograph: 783

Grating: 300

Date: 6/25/90

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
145	comp			↑		
146	4c 2-408	20 41 17	+34 44 48	12	120s	
147	comp			↑		
148	V1329 Cy5	20 51 01	+35 34 50	12	120s	
149	comp			↑		
150-152	V1329 Cy5	"	"	12	53x3	
153	comp			↑		
154	V2416 Sgr	17 57 10	-21 41 35	12	180s	Clouds SW and out.
155	comp			↑		
156	I 1230 N	14 43 48	+57 22 00	1	260	" comp
157	comp			↑		Done SLT. Rain.
158-167	BIAS			-	-	
168-177	FLAT			0	6s	

151 - nothing on slit