

60 inch Telescope Log
 Observer: Huchra (Hebbins)
 PI: W. Huchra
 Spectrograph: FAST
 Grating: 300L
 Date: 6/24/84
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	B.A.S			0		
11-20	FLAT			0	6s	
21	Comp			0	10s	
22-26	B.A.S			0		
27-28	DARK			0	900s	
29-33	Sky			0	3s	
34	comp			↑		
35-36	Fuze 66	12 34 54	+25 20 31	0	45s x 2	Twilight! SPO +
37	comp			↑		
38	MR 421	11 01 40	+38 28 48	6	240s	
39	Comp			↑		
40	NGC 4051	12 00 36	+44 48 35	6	120s	
41	Comp			↑		
42	NGC 4151	12 08 01	+29 31 01	6	30s	
43	Comp			↑		
44	MR 279	12 57 53	+61 33 13	6	90s	
45	Comp			↑		
46	NGC 5548	14 15 43	+25 22 01	6	120s	
47	Comp			↑		
48	H244	13 21 19	+36 23 29	0	90s	std. +
49	Comp			↑		
50-54	H0 136711	15 19 24	+18 37 03	0	5s x 5	Template
55-56	Comp			↑		moon!
59	10024 p 5841	10 02. 24	+58 41 00	1	260	
57	Comp			↑		
58	10020 p 4654	10 02 00	+46 54 00	1	480	low st
59	Comp			↑		H ₂ at 0725 under CR!
60	10023 p 5738	10 02 18	+57 38 06	1	300	needs mo
61	Comp			↑		clouds
62	10160 p 5845	10 16 00	+58 45 00	1	300 260	cloudy

noise 9.17
 gain 1.164

60 inch Telescope Log

Observer: Holmes (Hobbs)

Spectrograph: FAST

Grating: 300R

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FI: Holmes/Holmes/Kemp

Date: 6/24/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
63	comp			↑		Clouds!
64	10160 p 5845	"	"	↓	180	"
65	comp			↑		
66	10160 p 5845	"	"	↓	200	" on
67	comp			↑		
68	10293 p 5658	10 29 18	+56 58	↓	310	H _α at 6840
69	comp			↑		
70	10462 p 5837	10 46 12	+58 37	↓	360	
71	comp			↑		
72	10488 p 6858	10 41 48	+68 58	↓	270	H _α ~6710
73	comp			↑		
74	11091 p 7245	11 09 06	+72 45	↓	180	
75	comp			↑		
76	11093 p 5721	11 09 18	+57 21	↓	360	
77	comp			↑		
78	11117 p 5800	11 11 42	+58 00	↓	240	Clouds again
79	comp			↑		
80	11180 p 5714 N	11 18 00	+5714	↓	180	North
81	comp			↑		
82	11180 p 5714 S	"	"	↓	300	South look for V. like star
83	comp			↑		
84	11309 p 5836	11 32 54.0	+58 36	↓	360	Be careful superimposed
85	comp			↑		
86	SN 1976 ai	15 10 58	+57 03 35	↓	900	
87	comp			↑		
88-89	AS210	16 51 20	-26 43 33	↓	30x2	
90	comp			↑		
91-92	AS210			↓	25x2	
93	comp			↑		
94-95	HCN 1341	17 08 37	+72 36	↓	25x2	

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4280</u>	
Observer: <u>Hudon</u>			Grating: <u>300</u>			
PI: <u>Kenneth J. Geller / Hudon</u>			Date: <u>6/24/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
96	Comp			↑		
97	Hen 1341	"	"	12	60s	
98	Comp			↑		
99/100	M1 m21	17 34 17	+19 09 27	12	30x2	
101	Comp			↑		
102	M1 m21	"	"	12	180s	
103	Comp			↑		
104	RT Ser	17 39 52	-11 56 43	12	30s	
105	Comp			↑		
106	R7562	"	"	12	180s	
107	Comp			↑		
108	As 270	18 05 34	-20 20 40	12	30s	
109	As 270	"	"	12	90s	
110	Comp			↑		
111	329 .163949	16 14 23	+32 24 29	3	600	
112	Comp			↑		
113	329 .163949	"	"	3	600	
114	Comp			↑		
115	16 03 16 p 19 32 38	16 03 16	+19 32 38	25	360	
116	Comp			↑		
117	16 03 04 p 16 06 42	16 03 04	+16 06 42	25	240	do not add to 119
118	Comp			↑		
119	16 03 04 p 16 06 42	16 03 04	+16 06 42	25	600	
120d	Comp			↑		
122	16 01 59 p 16 35 47	16 01 59.5	+16 35 47	25	600	
123	Comp			↑		
124	16 02 14 p 20 08 41	16 ^h 02 14	+20 08 41	25	600	H ₂ at 6780?
125	Comp			↑		
126	16 03 26 p 18 14 30	16 03 26	+18 14 30	25	480	
127	Comp			↑		

60 inch Telescope Log

Observer: Hudson / Hubbeis

PI: Hudson / Kinpan / Bumbly / Korany

Spectrograph: F457

Grating: 300

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Date: 6/24/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
128	160027 p 193727	16 ^h 00 27	+19 37 27	25	300	H ₂ !
129	comp			↑		
130	15416 p 0456	15 41 30	+04 56	1	420	H ₂ at 6830.
131	comp			↑		
132	160159 p 161351	16 01 59	+16 13 51	25	420	H ₂ at 6860
133	comp			↑		
134	160018 p 200944	16 03 18	+20 09 44	25	240	
135	comp			↑		
136	160225 p 163848	16 02 25	+16 38 48	25	300	H ₂ at 6860, weak H ₂ !
137	comp			↑		
138	160041 p 191203	16 00 41	+19 12 03	25	480	}
139	comp			↑		
140	160041 p 191203	"	"	25	600	
141	comp			↑		
142-3	AS316	18 42 32	-21 17 53	12	60s x 2	Pair Stars
144	comp			↑		
145-6	MWC 900	18 47 55	-20 05 57	12	5s x 2	
147	MWC 900	"	"	12	120s	
148	comp			↑		
149-51	AS327	18 53 16	-24 23 04	12	5s x 3	
152	AS287	"	"	12	240	
153	comp			↑		
154-5	FN Sgr	18 53 54	-18 59 48	12	10s x 2	
156	FN Sgr			12	120s	
157	comp			↑		
158	160009 + 163705	16 ^h 00 19	+16 37 05	25	300	
159	comp			↑		
160	H25	16 02 09	+15 53 16	48	300	
161	comp			↑		
162	AVM 5-15	16 58 09	+21 39 05	35	600	

60 inch Telescope Log

Observer: Hobbs/Hobbs

PI: Nancy/Hobbs/Wick

Spectrograph: FAST

Grating: 300 L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	Comp			↑		
164	1641M5-50	16 57 35	+27 48 27	35	600	
165	Comp			↑		
166	16011 p 6824	16 01 06	+08 24	1	240	
167	Comp			↑		
168	16675 p 5110	16 51 30	+51 10	1	420	Ha at 6760 Å
169	Comp			↑		
170	NEP 2920B	17 48 28	+06 35 37	1	480	
171	Comp			↑		
172	NEP 5140B	18 19 43	+62 10 51	1	1000	early y star
173	Comp			↑		
174	19330 p 8357	19 33 00	+83 57 00	1	360	Ha
175	Comp			↑		
176	18410 p 8652	18 41 00	+86 52	1	300	
177	Comp			↑		
178	18090 +8740	18 09 00	+87 40	1	240	
179	Comp			↑		
180	3C390.3	18 45 37	+79 43 07	6	120	
181	Comp			↑		
182-3	CE Cy9	19 50 08	+55 42 41	12	20x2	
184	CE Cy9	"	"	12	20s	
185	CE Cy5	"	"	12	60s	
186	Comp			↑		
187-9	BD p 28421	21 48	+28 37	0	10s x 3	
190	Comp			↑		
191-200	FLAT			0	6s	
201-210	BIAS			0	-	
211-213	DARK			0	900s	