

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>4768</u>
Observer: <u>Huchra / Haberman</u>		Grating: <u>300L</u>				
PI: <u>W.M.63 / Huchra</u>		Date: <u>6/22/96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	B.A.S			0	-	
11	COMP			0		
12-21	FLAT			0	60	
22-24	DARK			0	900s	
25-34	B.A.S			0	-	
35	COMP			↓		
36-40	Skyl			0	35	
41	COMP			↑		
42	Fuse 34	20 36 41.6	+43 21 50	0	100s	STD 8277
43	COMP			↑		
44	MAN 421	11 01 40	+38 28 43	6	240s	
45	COMP			↑		
46	N4051	12 00 06	+44 48 35	6	120s	
47	COMP			↑		
48	N4151	12 08 01	+39 41 01	6	30s	
49	COMP			↑		
50	MAN 279	13 51 53	+67 33 13	6	90s	
51	COMP			↑		
52	Fuse 98	14 36 04	27 42 28	0	30s	STD 567
53	COMP			↑		
54	N5548	14 15 43	+25 22 01	6	120s	
55	COMP			↑		
56	12542 p 0804	12 54 12	+08 04	1	720s	low Sb H $\alpha$ ? ~6000
57	COMP			↑		H $\alpha$ at 6889 yes!
58	12544 p 0420	12 54 24	+04 20	1	780s	H $\alpha$ at 6730
59	COMP			↑		
60	12574 p 0519	12 57 24	+05 19	1	480	also
61	COMP			↑		
62	12593 p 0516	12 57 18	+05 16	1	360	H $\alpha$ at 6808, Mg II
63	COMP			↑		

60 inch Telescope Log

Observer: Huchra / Hobbin's

PI: Huchra / Kuchner / Green

Spectrograph: FAST

Grating: 300L

Page: 4769

Date: 6/22/90

Number	Object	R.A.	Dec.	L/R	Exp	Comments
64	12595 +0520	12 59 30	+05 20	1	300	
65	Comp			↑		
66	12595 p0633	12 59 30	+06 33	1	240	
67	Comp			↑		
68	12596 p0322	12 59 36	+03 22	1	240	
69	Comp			↑		
70	13073 p0643	13 07 18	+06 43	1	240	
71	Comp			↑		
72	13108 p0702	13 10 48	+07 12	1	240	
73	Comp			↑		
74	13112 p0707 SW	13 11 12	+07 07	1	420	
75	Comp			↑		
76	13112 p0707 NE	13 11 12	+07 07	1	720	cur sb Hd at 6860
77	Comp			↑		
78	13174 p0604	13 17 24	+06 04	1	240	
79	Comp			↑		
x2 80	SN 1996 ai	13 10 58	+37 03 55	2	600s	bin by 2
81	Comp			↑	12s	↓
82	H2 44	13 21 19	+36 23 39	0		
83	Comp			—	6s	GRAV to 860
84	H2 44	"	"	0	32s	
85	Comp			↑		
86	SN 1996 ai	13 10 58	+37 03 35	2	600s	
87-88	Comp			↑	6x2	
89-94	FLAT			0	5s	
x4 95	Comp			0		Grating to 607 bin x4
96	CCCS 3635	15 43 14	+47 28 16	32	25s	
97	Comp			↑		
98	12274 p5706	12 27 24	+58 06	1	240s	
99	Comp			↑		

17  
27  
225  
231

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>Hushra / Hobkins</u>			Grating: <u>300R</u>		Page: <u>4770</u>	
PI: <u>Hushra / Keenan / Scruby / Geller</u>			Date: <u>6/22/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
100	N4108 A	12.03 21	+67 31 58	0	600	em check count in file
101	comp			↑		CR on H <sub>2</sub> , n.h
102	14263 +1342	14 <sup>h</sup> 26 18	+13 42 00	1	240	ahn 14264 + 1342
103	comp			↑		H <sub>2</sub> ahn 14266 + 1340
104	14580 p 0639	14 58 00	+06 39	1	480	
105	comp			↑		
106	162903 m 245214	16 29 03.4	-24 52 14	30	420	Bad file jim file reconstructed
107	comp			↑		
108	162903 m 245214	"	"	30	300	
109	<del>162857</del> m 242805	16 28 57.9	-24 28 05	<del>30</del>	300	
110	comp			↑		
111	162927 m 242057	16 29 27.7	-24 20 58	30	300	
112	comp			↑		
113	162932 m 242101	16 29 32	-24 21 01	30	480	
114	comp			↑		
115	N5344	13 49 12	+74 12 00	1	1805	
116	comp			↑		
117	13536 p 7131	13 53 36	+71 31 00	2	1805	
118	comp			↑		
119	H18	15 58 18	+16 26 18	48	420	Here.
120	comp			↑		
121	H19	15 59 34	+17 58 11	48	420	H <sub>2</sub>
122	comp			↑		
123	H22	<del>16 00</del> 06	+15 01 10	48	480	H <sub>2</sub>
124	comp			↑		
125	H27	16 05 36	+16 31 33	48	360	Superficially, scattered off.
126	comp			↑		
127	H28	16 03 41	+16 28 30	48	300	
128	comp			↑		
129	329.55825	16 12 24	+32 04 14	3	240	

60 inch Telescope Log				Spectrograph: <u>PA57</u>		Page: <u>4771</u>	
Observer: <u>Huchra/Hobbs</u>				Grating: <u>300</u>			
PI: <u>Geller/Huchra/Seymour</u>				Date: <u>6/22/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
130	Comp			↑			
131	329.1568 41	16 09 59	+32 07 01	3	600		
132	Comp			↑			
133	329.1569 25	16 17 53	+32 06 21	3	240		
134	Comp			↑			
135	329.158 325	16 14 21.3	+32 10 32	3	420	H <sub>α</sub>	
136	Comp			↑			
137	329.1629 50	16 10 39	+32 22 23	3	360		
138	Comp			↑			
139	329.1629 21	16 17 49	+32 21 42	3	480	low SB H <sub>α</sub> at 6780 Å	
140	Comp			↑			
141	NEP 4160 A	18 06 20	+65 24 18	1	600s	K star	
142	Comp			↑			
143	NEP 2960 A	17 48 52	+63 50 34	1	200s		
144	Comp			↑			
145	NEP 4870 A	18 15 07	+62 44 24	1	30s		
146	NEP 4870 B	"	"	1	3s		
147	Comp			↑			
148	NEP 4980 A	18 17 00	+64 49 25	1	12s	A star	
149	Comp			↑			
150	NEP 5000 A	18 17 16	+62 56 45	1	420s	G star	
151	Comp			↑			
152-4	CI C49	19 50 12	+35 41 00	12	2s x 3		
155	Comp			↑			
156-7	CI C49	"	"	12	2 x 20s		
158	CI C49	"	"	12	60s		
159	Comp			↑			
160	AS 338	19 03 47	+16 26 14	12	60s		
161	Comp			↑			
162	AS 338	"	"	12	10s		

60 inch Telescope Log		Spectrograph: <u>F45J</u>				Page: <u>4772</u>
Observer: <u>Huchra/Hobbs</u>		Grating: <u>300</u>				
PI: <u>Kempner/W. Iker/Shapiro</u>		Date: <u>6/22/96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	comp			↑		
164-66	BF CG	19 23 53	+29 40 24	12	3s x 3	
167	BF CG			12	2m	
168	comp			↑		
169-172	CH CG	19 24 33	+50 14 27	12	15x4	
173-175	"			12	5s x 3	
176	comp			↑		
177	30390.3	18 45 37	+79 43 07	6	120s	AGN
178	comp			↑		
179-80	B0+284211	21 48 57	+28 37 48	0	10s x 2	S7D S70A
181	comp			↑		
182	M9509	20 41 20	-10 54 18	6	60s	
183	comp			↑		
184-7	HM Sgc	19 41 57	+16 44 35	12	25x4	
188	comp			↑		
189-191	A5 360	19 45 45	+13 36 40	12	2x3	
192-3	A5 360	"	"	12	15s x 2	
194	comp			↑		
195-7	PK Val	20 21 13	+21 24 21	12	30x3	
198	PK Val	"	"	12	120s	
199	comp			↑		moved telescope
200-201	He2m 467	20 35 57	+20 11 29	12	10s x 2	
202	"	"	"	12	120s	
203	comp			↑		
204-208	H0 198858	20 42 50	+47 31 07	0	25x5	Template H52, de frame
209	comp			↑		
210-213	H0 198858	"	"	0	4s x 4	" 213. pix file crashed
214	comp			↑		
215-218	H2 8703	22 53 02	+16 50 28	99	75x4	shp/w
219	comp			↑		

