

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>5756</u>		
Observer: <u>P. Berlino</u>		Grating: <u>3002</u>				
PI: <u>Huchra</u>		Date: <u>11/5/97</u>				
Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BDS			0	0s	
11-20	FLAT			0	6s	
21-30	BDS			0	0s	late start - computer
31-40	FLAT			0	12s	problems - no new sky's
41-43	HD192281				4s	
44	COMP					CIRrus all over
45-46	CIC 29	19:50	+75:41	12	1s, 30s	
47	COMP			r		
48-49	BDp 284211	21:48	+28:37	56	30s	
50	COMP			r		
51, 52	ZAD	23:37	+48:49	12	0.5s, 12s	
53	COMP			r		
54	N7331	22:34	+34:09	57	3m	
55	COMP			r		clouds.
56	N7489	22:03	+08:52	6	4m	
57	COMP			r		
58	MRK509	20:41	+10:54	6	4m	
59	COMP			r		
60	17549p 2905	17:51	+28:05	43	4m	
61	COMP			r		
62	17553p 0437	17:55	+04:37	43	5m	2*'s to W
63	COMP			r		
64	17554p 1333	17:55	+13:33	43	6m	em
65	COMP			r		
66	17559p 3149	17:55	+31:49	43	6m	clouds; wken
67	COMP			r		
68	17566p +1325 NE	17:56	+13:25	43	6m	
69	17566p +1325 SW	17:56	+13:25	43	7m	
70	COMP			r		
71	17571p 4156	17:57	+41:56	43	4m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>5757</u>	
Observer: <u>PB</u>				Grating: <u>3002</u>			
PI: <u>Geller</u>				Date: <u>11/5/97</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments	
72	COMP			↑			
73	175752718	17:57	+27:48	43	6m	em; stopped by clouds	
74	COMP			↑			
75	S82.090386	23:11	+09:33	55	4m		
76	COMP			↑			
77	S82.084432	23:09	+09:29	55	5m		
78	COMP			↑			
79	S82.084289	23:19	+09:29	55	6m		
80	COMP			↑			
81	S82.090211	23:28	+09:32	55	10m		
82	COMP			↑			
83	S82.094262	23:46	+09:47	55	6m	em	
84	COMP			↑		waves of clouds	
85	S82.094057	23:47	+09:46	55	6m		
86	COMP			↑			
87	S82.093522	23:23	+09:44	55	6m		
88	COMP			↑			
89	S82.087932	23:14	+09:24	55	5m		
90	COMP			↑			
91	S82.087534	23:18	+09:23	55	4m		
92	COMP			↑			
93	S82.086865	23:27	+09:20	55	5m		
94	COMP			↑			
95	S82.087336	23:29	+09:22	55	6m		
96	COMP			↑			
97	S82.000859	23:16	+09:42	55	6m	extended	
98	COMP			↑			
99	S82.007006	23:18	+09:11	55	6m	more clouds...	
100	COMP			↑			
101	S82.007485	23:22	+09:13	55	5m		

60 inch Telescope Log

Observer: PB
 PI: Greller

Spectrograph: FAST

Grating: 300R

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
102	COMP			r		
103	S82.020769	23:15	+06:10	SS	6m	
104	COMP			r		
105	S82.031761	23:16	+06:54	SS	8m	
106	COMP			r		
107	S82.041556	23:14	+06:32	SS	6m	
108	COMP			r		
109	S82.042721	23:16	+06:57	SS	5m	
110	COMP			r		
111	S82.044685	23:25	+06:45	SS	6m	
112	COMP			r		
113	S82.049487	23:18	+07:01	SS	7m	
114	COMP			r		clearing ok.
115	S82.049495	23:27	+08:01	SS	6m	
116	COMP			r		
117	S82.051712	23:23	+07:13	SS	6m	
118	COMP			r		
119	S82.055864	23:21	+07:28	SS	6m	
120	COMP			r		
121	S82.055917	23:08	+07:28	SS	5m	
122	COMP			r		
123	S82.057227	23:10	+07:34	SS	5m	
124	COMP			r		
125	S82.059744	23:20	+07:43	SS	9m	OK
126	COMP			r		
127	S82.062808	23:21	+07:51	SS	6m	
128	COMP			r		
129	MRK335	00:03	+19:55	G	3m	
130	COMP			r		
131	225m240	00:41	+4:05	SG	4m	

60 inch Telescope Log

Observer: PB

PI: Andi

Spectrograph: FAST

Grating: 300

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
132	COMP			r		
134/131	Axfer	01:26	+29:13	12	35,70s	
135	COMP			r		
136	sr g b 062.31	00:16	+29:55	59	7m	H ₂ wk
137	COMP			r		
138	062.32	00:16	+30:20	59	31m	
139	COMP			r		
140	062.33	00:16	+30:26	59	6m	em
141	COMP			r		
142	062.34	00:16	+29:37	59	2m	
143	COMP			r		
144	062.35	00:16	+30:40	59	7m	
145	COMP			r		
146	062.36	00:17	+29:56	59	2m	
147	COMP			r		
148	062.37	00:17	+29:28	59	10m	
149	COMP			r		
150	062.38	00:17	+28:52	59	8m	
151	COMP			r		
152	062.39	00:17	+30:12	59	5m	
153	COMP			r		
154	062.40	00:17	+29:50	59	8m	
155	COMP			r		
156	062.42	00:17	+30:12	59	6m	
157	COMP			r		
158	062.43	00:17	+30:10	59	7m	em
159	COMP			r		
160	062.44	00:17	+29:51	59	10m	
161	COMP			r		
162	062.45	00:17	+30:09	59	6m	

60 inch Telescope Log

Observer: PB

PI: Geller/Huchra

Spectrograph: FAST

Grating: 3000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	CMP			r		here come the clouds
164	S29.005988	02:03	+04:17	SS	10m	again
165	CMP			r		clouds {
166	S29.01241	01:56	+04:23	SS	10m	↓
167	CMP			r		
168	S29.015510	02:07	+04:43	SS	12m	
169	CMP			r		
170	S29.020956	02:01	+05:07	SS	12m	
171	CMP			r		
172	S29.021420	02:13	+05:10	SS	12m	
173	CMP			r		
174	S29.028178	02:03	+05:29	SS	5m	
175	CMP			r		
176	S29.029006	01:56	+05:42	SS	10m	wk
177	CMP			r		
178	S29.029818	01:56	+05:46	SS	12m	
179	CMP			r		
180	AP5133	03:16	+20:21	43	12m	
181	CMP			r		
182	AP5134	03:10	+20:15	43	15m	
183	CMP			r		
184	AP5141	03:50	+21:02	43	15m	
185	CMP			r		
186	AP5139	03:51	+21:15	43	12m	
187	CMP			r		
188	AP5148	03:34	+20:26	43	12m	
189	CMP			r		
190	AP5144	03:40	+20:47	43	15m	empix 2172
191	CMP			r		
192	AP5152	03:33	+20:08	43	11m	wk ↓ wk em 2400

60 inch Telescope Log

Observer: PJB

PI: Huchra & Kirshner

Spectrograph: FAST

Grating: 300L

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
193	COMP			↑		
196	COS23p38	05:23	+78:25	43	15m	
197	COS23p38S	05:23	+78:24	43	6m	crystal nebulosity S of #196
198				↑		
199	COS30p31EW	05:30	+74:20	43	90s	stars
200	COMP			↑		
201	CO600p31	06:00	+73:30	43	3m	extended - He em @ 6562...
202	COMP			↑		
203	CO611p07	06:11	+73:35	43	3m	extended em only
204	COMP			↑		
205	CO621p14	06:21	+74:32	43	3m	to w/ He
206	COMP			↑		clouds ↑ / - thick
207	SN1972a	07:26	+47:05	2	20m	
208	COMP			↑		
209	07144p5911EW	07:14	+51:17	43	20m	E W pair; b m by 2
210	COMP			↑		
211, 212	DG Tan	04:27	+76:06	12	15s, 3m	
213	COMP			↑		
214-215	DR Tan	04:33	+75:20	12	45s, 5m	
216	COMP			↑		
217, 218	DR Tan	04:47	+76:35	12	45s, 5m	
219	COMP			↑		Stopped by clouds
220-221	Flitter/bw	06:42	+02:11	56	1m	
222	COMP			↑		
223-232	BIAS			0	0s	
233-242	FLAT			0	6s	
243-252	BIAS			0	0s	
253-262	FLAT			0	17s	
263-267	DARK				15m	b m by 4