

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4487</u>	
Observer: <u>PBerland</u>			Grating: <u>3002</u>			
PI: <u>Keayon</u>			Date: <u>5/24/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
7-10	BIAS			0	0s	circus
11-20	FLAT			0	6s	
21-26	sky	zenith		0	2s	
27	COMP			↑	5s	
28-32	HDS2971	06:57	+27:13	0	5s	def +tr1
33	COMP			↑		
34-36	Hiltner 600	06:42	+02:11	0	1m	
37	COMP			↑		
38-40	G191/B2B	05:01	+52:45	0	2m	lots of cirrus
41	COMP			↑		
42-43	HBC 228	06:29	+10:11	32	5m	extended nebulosity
44	COMP			↑		
45-47	HBC 229	06:30	+10:21	32	2s, 10s	
48	COMP			↑		Li emission??
49-51	HBC 207	06:36	+08:46	32	4m	variable clouds
50-52	COMP			↑		
53	HBC 203	06:28	+10:28	32	6m	
54	COMP			↑		
55	HBC 204	06:28	+10:34	32	10m	clouds
56	COMP			↑		
57	HBC 205	06:36	09:01	32	7m	
58	COMP			↑		
59	HBC 231	06:36	09:37	32	7m	
60	COMP			↑		seeing ~2"
61	HBC 215	06:37	09:57	32	4m	
62	COMP			↑		
63	HBC 213	06:37	+09:37	32	9m	
64	COMP			↑		
65-66	HBC 207	06:37	09:36	32	1m, 2m	
67	COMP			↑		

8.32 Noise
1.09 Gain


60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4488</u>	
Observer: <u>AB</u>			Grating: <u>300</u>			
PI: <u>Kenyon</u>			Date: <u>3/21/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
68	HBC219	06:37	+09:50	32	2m	clouds + moon
69	COMP			↑		
70	HBC220	06:38	+09:52	32	6m	
71	COMP			↑		
72	HBC222	06:38	+09:47	32	3m	
73	COMP			↑		
74	HBC226	06:38	+09:33	32	6m	
75	COMP			↑		
76	HBC536	06:38	+09:58	32	3m	
77	COMP			↑		
78	HBC227	06:38	+09:55	32	5m	
79	COMP			↑		
80	HBC538	06:38	+09:34	32	5m	
81	COMP			↑		
82	HBC230	06:38	+09:39	32	5m	
83	COMP			↑		
84	HBC231	06:38	+09:30	32	6m	a visit to the Cone nebula
85	COMP			↑		
86, 88	HBC232	06:38	+09:30	32	6m, 1m	
87				↑		
89, 90	HBC235	06:38	+09:29	32	5m, 2m	NW *
91	COMP			↑		
92	HBC236	06:38	+09:25	32	5m	SE *
93	COMP			↑		
94	HBC541	06:38	+09:30	32	3m	
95	COMP			↑		
96	HBC238	06:38	+09:29	32	6m	
97	COMP			↑		
98	HBC241	06:42	+09:41	32	6m	
99	COMP			↑		

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4489</u>		
Observer: <u>PB</u>		Grating: <u>300L</u>		Date: <u>3/24/96</u>		
PI: <u>Wilkes, Huchra, Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
102-101	Fer34	10:36	+43:21	0m	2m	circus ?
102	COMP			↑		
103	Mrk421	11:01	+38:28	6	5m	
104	COMP			↑		
105	N4051	12:00	+44:48	6	3m	
106	COMP			↑		
107	N4151	12:08	+39:41	6	30s	
108	COMP			↑		
109	11440p6201	11:46	+61:45	1	5m	
110	COMP			↑		
111	11444p5723	11:47	+57:06	1	7m	em+
112	COMP			↑		
113	11460p5920	11:48	+59:01	1	6m	
114	COMP			↑		
115	11470p6038	11:49	+60:22	1	6m	em
116	COMP			↑		
117	319.054096	11:40	+31:16	3	12m	weak; H α em
118	COMP			↑		
119	319.054679	11:47	+31:20	3	12m	em+ pec
120	COMP			↑		
121	319.055625	11:45	+31:27	3	5m	
122	COMP			↑		increasing cloud
123	319.056120	11:39	+31:29	3	12m	em
124	COMP			↑		
125	319.056286	11:56	+31:30	3	10m	redo
126	COMP			↑		man set
127	319.061735	12:03	+32:04	3	10m	weak
128				↑		
129	319.063499	11:57	+32:16	3	9m	em
130						

60 inch Telescope Log

Observer: PBPI: Geller & HuchraSpectrograph: FASTGrating: 300RDate: 3/24/96Page: 4490

Number	Object	R. A.	Dec.	L/R	Exp	Comments
131	319.063908N	11:57	+32:20	3	10m	Northern Knot emtt
132	COMP			↑		- file 131 *burst
133	319.063908S	11:57	+32:20	3	12m	- file 133 em
134	COMP			↑		as per the charts
135	11488p5343	11:51	+53:27	↓	10m	all cloud
136	COMP			↑		
137	11550p5750	11:57	+57:34	1	7m	
138	COMP			↑		
139	12150p4705	12:17	+46:50	1	10m	
140	COMP			↑		
141	320.036744	12:21	+28:32	3	6m	
142	COMP			↑		
143	320.035527	12:20	+28:26	3	7m	
144	COMP			n		
145	320.034664	12:19	+28:24	3	12m	
146	COMP			↑		
147	320.034349	12:20	+28:23	3	10m	
148	COMP			↑		
149	320.034274	12:11	+28:22	3	15m	
150	COMP			↑		
151	320.034015	12:07	+28:21	3	8m	
152	COMP			↑		
153	320.036827	12:18	+28:32	3	12m	
154	COMP			↑		
155	320.066601	12:20	+30:31	3	6	
156	COMP			↑		
157	320.073716	12:20	+31:00	3	5m	
158	COMP			↑		
159	320.073923	12:25	+31:01	3	5m	
160	COMP			↑		

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4491</u>		
Observer: <u>PB</u>		Grating: <u>3002</u>		Date: <u>3/24/96</u>		
PI: <u>Grogan</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
161	320.074345	12:01	+3:01	3	10m	more clouds; weak
162	COMP			↑		
163/164	Comet 1996B2	14:28	+61:41	25	30s	nucleus 
165	Comet 1996B2	"	"	25	30s	jet behind nucleus
166/167	sky	14:21	+61:41	25	30s	South of comet (coma?)
168	COMP			↑		
169-171	HR5531	14:50	+23:57	25	2s	G1V
172	COMP			↑		
173	MS548	14:15	+25:04	6	5m	heavy cloud
174	COMP			↑		
175	MRK9279	13:51	+69:33	6	5m	
176	COMP			↑		
177-179	HD26911	14:28	+24:31	25	2-5s	G2V
180	COMP			↑		
181	14295p3975	14:29	+49:24	42	10m	extra high S/N for
182	COMP			↑		spectral analysis
183	14332p2257	14:33	+22:57	42	12m	clearing some!
184	COMP			↑		
185	143417p4010	14:34	+40:09	42	10m	Comet Hyakutake's tail
186	COMP			↑		spans a full 30-40°+
187	14330p2311	14:33	+23:10	42	12m	of sky! Awesome
188	COMP			↑		
189	14523p2413	14:52	+24:13	42	10m	
190	COMP			↑		
191	15062p2204	15:06	+22:08	42	10m	
192	COMP			↑		
193/194	BDp332642	15:50	+33:05	0	1m	
195	COMP			↑		
196	MRser-	15:52	+18:56	0	3m	
197	COMP			↑		

