

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4976</u>	
Observer: <u>P. Berlind</u>			Grating: <u>3002</u>			
PI: <u>Huchra</u>			Date: <u>11/7/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	bin by 4
11-20	FLAT			0	6s	"
21-30	BIAS			0	0s	bin by 2
31-40	FLAT			0	12s	"
41-45	SKY			0	2s	clear skies!
46	COMP			↑		
47-49	HD 170153	18:20	+72:44	0	1s	
50	COMP			↑		
51-53	HD 183556	19:21	+76:33	0	3s	
54	COMP			↑		
55-57	HD 23195	19:20	+14:25	0	3s	
58	COMP			↑		
59-61	HD 177336	19:04	-05:41	0	4s	
62	COMP			↑		
63-65	HD 192281	20:10	+40:07	0	5s	
66	COMP			↑		
67-69	Calog	19:50	+35:41	12	2, 20, 120	
70	COMP			↑		
71-72	ZAnd	23:33	+48:49	12	3s, 60s	
73	COMP			↑		poor seeing
74	MRK 335	00:00	+19:55	6	3m	
75	COMP			↑		
76	N7169	23:03	+08:52	6	3m	
77	COMP			↑		
78	MRK 509	20:41	-10:54	6	3m	
79	COMP			↑		
80	20476p1251	20:47	+12:51	98	8m	star to W on slit ; em
81	COMP			↑		
82	20479p1310	20:47	+13:10	98	10m	seeing > 3" em
83	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4977</u>	
Observer: <u>PB</u>			Grating: <u>300</u>			
PI: <u>Geller</u>			Date: <u>11/7/66</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
84	20450 p0705NW	20:48	+07:05	98	10m	em
85	COMP			↑		
86	522.001720	23:23	+09:44	55	8m	poor seeing!
87	COMP			↑		
88	522.001883	23:17	+09:45	55	8m	pec
89	COMP			↑		
90	522.003070	23:16	+09:49	55	8m	
91	COMP			↑		
92	522.003327	23:24	+09:49	55	7m	
93	COMP			↑		
94	522.005742	23:22	+09:58	55	8m	
95	COMP			↑		
96	522.005853	23:22	+09:58	55	8m	
97	COMP			↑		
98	522.006336	23:16	+10:00	55	9m	
99	COMP			↑		
100	522.008152	23:15	+10:06	55	8m	
101	COMP			↑		seeing better
102	522.011031	23:10	+10:15	55	6m	
103	COMP			↑		
104	522.0175871	23:15	+13:40	55	8m	
105	COMP			↑		
106	522.018324	23:22	+13:48	55	10m	em +
107	COMP			↑		
108	522.019792	23:17	+13:53	55	8m	
109	COMP			↑		
110	522.020020	23:12	+13:56	55	6m	em
111	COMP			↑		
112	522.020167	23:12	+13:57	55	7m	
113	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Geller & Kirshner

Spectrograph: FAST

Grating: 3002

Date: 11/7/96

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
114	522.061172	23:21	+13:57	SS	6m	
115	COMP			↑		
116	522.061382	23:23	+13:58	SS	7m	
117	COMP			↑		
118	522.061579	23:13	+13:59	SS	6m	em
119	COMP			↑		
120	522.063145	23:22	+14:04	SS	6m	em
121	COMP			↑		
122	522.066582	23:30	+14:15	SS	10m	bin by 2; sup + to W-bright
123	COMP			↑	12s	
124	522.066620	23:24	+14:16	SS	8m	
125	COMP			↑		
126	SN1996bi	00:36	+11:23	2	20m	see z=1.08 bin by 2
127	COMP			↑		
128	522.068150	23:25	+14:24	SS	6m	
129	COMP			↑		
130	522.097096	23:12	+14:51	SS	8m	
131	COMP			↑		
132	522.112805	23:07	+15:44	SS	8m	
133	COMP			↑		
134	522.106050	23:07	+15:21	SS	6m	
135	COMP			↑		
136	522.109581	23:16	+15:34	SS	6m	
137	COMP			↑		
138	522.109655	23:16	+15:35	SS	5m	
139	COMP			↑		
140	522.096960	23:19	+14:51	SS	8m	WK em
141	COMP			↑		
142	522.101780	23:27	+15:07	SS	8m	
143	COMP			↑		

by 2: 1.18
8.42

by 4: 1.17
8.87

60 inch Telescope Log

Observer: PBSpectrograph: FASTGrating: 3000Page: 4979PI: Geller & HuchraDate: 11/7/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
144	522.107272	23:24	+15:26	SS	6m	
145	COMP			↑		
146	522.105811	23:25	+15:21	SS	7m	
147	COMP			↑		
148	522.105829	23:27	+15:21	SS	7m	Finishes the notebook!
149	COMP			↑		
150	465.041050	00:21	+13:12	3	18m	redo from 11/2/96 #89
151	COMP			↑		
152	01518m0052A	01:54:22	-00:37:42	1	4m	SE
153	01518m0052B	01:54:20	-00:37:25	1	6m	NW
154	COMP			↑		
155	Ferret25	02:36	+05:15	0	3m	
156	COMP			↑		
157	N404	07:06	+35:27	SS	2.5m	NW of B And em +
158	COMP			↑		cosmic ray on SIE line #2
159-160	AxPer	01:36	+54:15	12	10s, 90s	
161	COMP			↑		
162, 164	467.065373	07:23	+66:58	SS	6m,	11m x 2 reduce #164
163	COMP			↑		ukem
165	467.007276	07:25	+10:07	SS	7m	
166	COMP			↑		
167	467.007465	07:25	+10:07	SS	11m	em
168	COMP			↑		
169	467.007707	07:24	+10:08	SS	6m	
170	COMP			↑		
171	015203p3409	01:55	+36:29	25	15m	600 ems; wk features + em
172	COMP			↑		redo's from ??
173	015154p343	01:51	+36:13	25	18m	pec.
174	COMP			↑		
175	014915p3359	01:49	+33:59	25	20m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4980</u>	
Observer: <u>PB</u>		Grating: <u>300R</u>		Date: <u>11/7/96</u>			
PI: <u>Pastor</u>							
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
176	COMP			↑			
177	014302 p3740	01:45	+37:55	25	20m	variable seeing p-c	
178	COMP			↑			
179	001	04:42	+38:48	43	17m	redo from 11/3/96 wk.	
180	COMP			↑			
181	020	05:29	+46:51	43	15m	wk em	
182	COMP			↑			
183	022	05:30	+30:29	43	10m	guided off sup *	
184	COMP			↑			
185	024	05:33	+31:49	43	8m	guided off sup *	
186	COMP			↑		em! pec sup?	
187	026	05:35	+18:30	43	15m		
188	COMP			↑			
189	027	05:35	+15:07	43	7m	em	
190	COMP			↑			
191	032	05:41	+09:42	43	7m		
192	COMP			↑			
193-194	Hiltner 600	06:42	+02	0	45s		
195	196			↑			
196-197	DRTan	04:37	+25:20	12	20s, 2m		
198	COMP			↑			
199-200	DRTan	04:47	+16:58	12	10s, 2m		
201	COMP			↑		seeing worse	
202	033	05:42	+16:45	43	7m		
203	COMP			↑			
204	0385	05:48	+38:41	43	7m		
205	COMP			↑			
206	041	05:47	+15:00	43	8m		
207	COMP			↑			
208	043	05:49	+12:46	43	8m	em	

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>300g</u>		Page: <u>4981</u>	
PI: <u>Parkya</u>			Date: <u>11/7/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
209	COMP			↑		seemg blowing up
210	049	0554	+11:49	43	9m	em
211	COMP			↑		
212	051	0557	+12:36	43	10m	
213	COMP			↑		
214	052	0558	+13:13	43	6m	
215	COMP			↑		
216	NGC807 m15.30	0601	+14:05	3	4m	
217	COMP			↑		
218-222	HD52971	06:57	+17:13	0	5s	
223	COMP			↑		
224-226	HD55284	07:12	+17:35	0	5s	
227	COMP			↑		
228-230	HD54364	07:08	-11:55	0	5s	
231	COMP			↑		clear @ dawn
232-234	HD54662	07:09	-10:20	0	4s	
235	COMP			↑		
236-238	HD55879	07:14	-10:18	0	4s	
239	COMP			↑		
240-242	HD57060	07:18	-24:33	0	2s	
243	COMP			↑		
244-253	BIAS			0	0s	
254-263	FLAT			0	6s	
264-273	BIAS			0	0s	6m by 2
274-283	FLAT			0	12s	"
284-297	DARK			0	15m	6m by 4