

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4989</u>	
Observer: <u>PBernd</u>			Grating: <u>RUR</u>			
PI: <u>Gretter</u>			Date: <u>11/9/96</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	zenith		0	2s	bin by 4
46	COMP			↑	5s	
47-49	HD 186512	19:55	+06:24	0	1s	Cirrus to S+W
50	COMP			↑		
51-53	HD 193570	20:18	+24:58	0	3s	
54	COMP			↑		
55-57	HD 192639	20:14	+37:21	0	4s	
58	COMP			↑		
59-61	HD 193522	20:18	+40:43	0	4s	
62	COMP			↑		
63-66	HD 192661	20:10	+40	12	5s	
67	COMP			↑		
68-70	CX Cyg	19:50	+35:41	12	2, 20, 120	
71	COMP			↑		
72-73	ZAnd	23:33	+48:49	12	3, 60s	
74	COMP			↑		
75	MRK 335	00:03	+4:55	6	2m	
76	COMP			↑		
77	NG 469	23:03	+08:52	6	2m	
78	COMP			↑		
79-80	Canot HB	17:45	-02:40	0	45s, 90s	MIC; 20" N
81	COMP			↑		
82	NOO 0485-11.70	18:08	+11:42	3	5m	Wk em piz 2100
83	COMP			↑		
84	ZOO 5042m48	22:03	+36:33	3	4m	
85	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>F16T</u>		Page: <u>4990</u>	
Observer: <u>PB</u>			Grating: <u>202</u>			
PI: <u>Gretter</u>			Date: <u>11/9/96</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
86	2001964m1410	2254	+22:04	3	3m	
87	COMP			↑		
88	520.032953	22:22	+11:04	3	18m	
89	COMP			↑		
90	520.058231	22:31	+11:19	3	20m	wk em
91	COMP			↑		
92	520.041812	22:37	+11:27	3	20m	
93	COMP			↑		
94	523.087122	23:48	+14:19	SS	15m	
95	COMP			↑		
96	523.089764	23:30	+14:27	SS	17m	em
97	COMP			↑		
98	523.089891	23:47	+14:28	SS	12m	em
99	COMP			↑		clouds in the W
100	523.089903	23:46	+14:29	SS	15m	wk em
101	COMP			↑		
102	520.090259	23:48	+14:30	SS	7m	
103	COMP			↑		
104	523.0910754	23:36	+14:31	SS	9m	
105	COMP			↑		
106	523.091466	23:34	+14:33	SS	8m	wk
107	COMP			↑		
108	523.091532	23:39	+14:34	SS	10m	
109	COMP			↑		
110	523.093569	23:37	+14:41	SS	10m	
111	COMP			↑		
112	523.094206	23:51	+14:42	SS	6m	wk
113	COMP			↑		
114	523.097160	23:36	+14:53	SS	7m	
115	COMP			↑		

Number	Object	R.A.	Dec.	L/R	Exp	Comments
60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>3002</u>			Page: <u>4991</u>	
PI: <u>Geller/Grosz/Huchra</u>		Date: <u>11/9/96</u>				
116	523.099669	23:41	+15:40	SS	8m	
117	COMP			↑		
118	523.099851	23:41	+15:02	SS	7m	
119	COMP			↑		
120	523.100204	23:41	+15:03	SS	8m	
121	COMP			↑		
122	523.100534	23:41	+15:05	SS	8m	em
123	COMP			↑		
124	523.100850	23:41	+15:14	SS	7m	em
125	COMP			↑		
126	523.102282	23:36	+15:20	SS	12m	
127	COMP			↑		
128	523.107191	23:51	+15:27	SS	7m	
129	COMP			↑		
130	523.110476	23:38	+15:38	SS	8m	em
131	COMP			↑		
132	523.112198	23:52	+15:42	SS	7m	finishes the list!
133	COMP			↑		
134	01421p0439N	01:42	+04:39	53	12m	em! S Knot obs yesterday
135	COMP			↑		H, ST, NO N LOW COUNTS IN COMP
136	1823F1	23:40	+16:25	42	3m	
137	COMP			↑		
138	1823F2	23:40	+16:22	42	4m	#140 also on chip (S
139	COMP			↑		
140	1823F3	23:40	+16:22	42	2m	strong em!
141	COMP			↑		
142	02306p1019	02:33	+10:31	53	8m	LSB binby2 at the mag 1
143	COMP			↑		
144	02303p3317	02:30	+10:16	53	5m	wKen @ fix 2020
145	COMP			↑		

file 142 - there is some fuzz below middle star -  
 extended thin bit there is almost nothing  
 there - no emission - called at  
 file (143 w)

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>499Z</u>		
Observer: <u>PB</u>		Grating: <u>300</u>		Date: <u>11/9/96</u>		
PI: <u>Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
146	467.085213	01:15	+15:24	SS	6m	
147	COMP			↑		clear
148	467.086012	01:11	+15:27	SS	7m	seeing ~2"
149	COMP			↑		
150	467.086588S	01:12	+15:30	SS	7m	
151	467.086588N	01:12	+15:30	SS	7m	
152	COMP			↑		
153	467.086810	01:13	+15:30	SS	7m	
154	COMP			↑		
155	467.087016	01:14	+15:32	SS	8m	em
156	COMP			↑		
157	467.087217	01:12	+15:32	SS	5m	
158	COMP			↑		
159	467.087923	01:12	+15:35	SS	8m	
160	COMP			↑		
161	467.087924	01:14	+15:35	SS	7m	em
162	COMP			↑		
163	467.088011	01:12	+15:36	SS	5m	finishes the list!
164	COMP			↑		
165-167	AKR	01:36	+54:15	12	10s, 40s, 5s	
168	COMP			↑		OBJECT IN COMP
169	Z014916M15.50	01:19	+22:00	3	4m	
170	COMP			↑		
171	Z010627M15.30	01:52	+01:20	3	7m	em
172	COMP			↑		
173	Z014852M15.50	02:03	+18:17	3	7m	em
174	COMP			↑		
175	469.059693	02:09	+12:50	3	18m	
176	COMP			↑		
177	471.059924	02:43	+11:05	3	20m	

USED  
 COMP 170 for files 165-167.  
 7 sec must be off

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4993</u>		
Observer: <u>PB</u>		Grating: <u>3002</u>		Date: <u>11/9/96</u>		
PI: _____						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
178	COMP			↑		
179	471.092433	03:01	+13:24	3	18m	
180	COMP			↑		seeing variable
181	Akn 120	05:16	+00:09	6	2m	
182	COMP			↑		clear skies
183-184	DL Tau	04:33	+25:20	12	20sec, 3m	
185	COMP			↑		
186-187	DRTau	04:47	+16:58	12	10sec, 2m	
188	COMP			↑		
189	Hiltner 600	06:51		0	45sec	
190	COMP			↑		
191	078	06:19	+30:30	43	15m	
192	COMP			↑		
193	084	06:25	+25:43	43	8m	← nice one to use as a template for the rest of these heavily extracted gals
194	COMP			↑		
195	092	06:36	+20:54	43	12m	
196	COMP			↑		
197	097	06:39	+23:57	43	15m	
198	COMP			↑		
199	105	06:46	+18:03	43	13m	em
200	COMP			↑		
201	107	06:51	+16:17	43	4m	new supernova! on nucleus
202	COMP			↑		
203	108	06:52	+15:14	43	4m	
204	COMP			↑		
205	109	06:52	+14:47	43	3m	
206	COMP			↑		
207	136	06:55	+15:30	43	5m	
208	COMP			↑		
209	133	07:05	+12:49	43	10m	em

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4994</u>	
Observer: <u>PLB</u>			Grating: <u>300R</u>			
PI: <u>Geller</u>			Date: <u>11/9/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
210	COMP			↑		
211	107	06:51	+6:17	43	2m	SNL
212	COMP			↑		
213	N 002560m15.50	09:13	+22:38	3	5m	sup * H <sub>2</sub> ? mostly *
214	COMP			↑		
215	N 002526m15.50	0828	+30:26	3	6m	
216	COMP			↑		
217	MRK421	11:01	+38:28	6	5m	
218	COMP			↑		clear @ dawn!
219	Fz334	10:56	+47:21	0	2m	
220	COMP			↑		
221-225	HD52971	06:57	+27:13	0	5s	
226	COMP			↑		
227-229	HD 46573	06:34	+02:31	0	5s	
230	COMP			↑		
231-233	HD 46966	06:36	+06:04	0	3s	
234	COMP			↑		
235-237	HD 47839	06:40	+09:53	0	1s	
238	COMP			↑		
239-248	BIAS			0	0s	
249-258	FLAT			0	6s	
259-268	BIAS			0	0s	
269-278	FLAT			0	12s	