

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>P. Berlin</u>		Grating: <u>3002; 3" slit; bobby</u>			Page: <u>4127</u>	
PI: <u>Kenyon</u>		Date: <u>11/28/95</u>				
Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS	Star		0	0s	
11-20	FLAT	"		0	6s	circus all over
21	COMP	"		0	5s	bright moon
22-26	sky	"		0	3s	
27	COMP	"		↑		
28-32	HD198858	20:49:50.71	+47:31:07	0	5s	de-foc + trailed
33	COMP			↑		
34-38	HD192281	20:50:46.8	+40:07:01	0	5s	
39	COMP			↑		
40,41	N7331	22:31:46.9	+34:09:43	0	2m	
42	COMP			↑		
43,44	B0p484211	21:48:57.1	+27:37:48	0	30s	
45	COMP			↑		
46-48	V4Her	18:12	+20:58	12	5s, 15s, 3m	
49	COMP			↑		
51-52	V443Her	18:20	+23:25	12	1s, 5s, 3m	
53	COMP			↑		
54-56	BFCyg	19:21	+29:34	12	1s, 5s, 2m	
57	COMP			↑		
58, 59, 60	CHCyg	19:23	+50:08	12	1s, 3s, 5s	
61	COMP			↑		
62-64	HMSge	19:39	+16:37	12	1s, 3s, 30s	
65				↑		
66-68	CSCyg	19:44	+35:37	12	6s, 3s, 90s	
69	COMP			↑		
70-72	V1016Cyg	19:55	+39:41	12	1s, 5s, 15s	
73	COMP			↑		
74-76	Pulhal	20:19	+21:24	12	1s, 3s, 90s	
77	COMP			↑		
78-80	V1329Cyg	20:49:02.6	+35:23:37	12	1s, 3s, 3m	

Mon 22:25 -05 1.17
8.89

dark non: 039

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4128</u>	
Observer: <u>PB</u>			Grating: <u>300L</u>		Date: <u>11/24/95</u>	
PI: <u>Kenyon/Wilkes/Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
81	COMP			↑		some thin cloud
82	V11057 Cyg	20:57:06.2	+44:03:46	12	3m	
83	COMP			↑		
84-86	AG Aps	21:48:36.2	+12:23:27	12	0.5, 1.5, 5s	
87	COMP			↑		
88-90	PAps	23:43:49.4	+15:17:04	12	0.5, 1.5	
91	COMP			↑		
92-94	Z And	23:31	+48:32	12	1.5, 2.5, 5.0	
95	COMP			↑		
96-98	EG And	00:41	40:24	12	0.5, 1.5	
99				↑		
100-102	AX Per	01:33	+54:00	12	1.5, 5, 3m	
103	COMP			↑		
104	V1515 Cyg	21:45:27	+47:18:08	12	15m	clouds increasing
105	COMP			↑		
106	MRK 335	00:03:45.1	+19:55:27	6	3m	
107	COMP			↑		
108, 109	Faye 110	23:17:33.5	+05:26	0	1m	
110	COMP			↑		
111	467.012525	01:25:10.22	+10:30:10.4	3	15m	
112	COMP			↑		
113	467.015637	01:26:30.68	+10:43:12.3	3	15m	H+
114	COMP			↑		
115	467.016116	01:14:29.73	+10:45:45.7	3	10m	
116	COMP			↑		
117	464.053408	00:10:59.48	+12:27:15.5	3	15m	bright sky
118	COMP			↑		
119	464.056230	00:11:03	+12:31:59	3	15m	to on slit to W
120	COMP			↑		increasing clouds again
121	464.057005	00:05:11.28	+12:37:32	3	15m	H+

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4/29</u>		
Observer: <u>PS</u>		Grating: <u>300L</u>		Date: <u>11/28/95</u>		
PI: <u>Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
122	COMP			↑		
123	467.016177	01:24:0819	+10:45:38.9	3	10m	
124	COMP			↑		
125	467.016574	01:24:4219	+10:47:28.2	3	10m	
126	COMP			↑		
127	464.058678	00:19:4272	+12:40:22.6	3	15m	
128	COMP			↑		
129	464.058736	00:02:52.9	+12:45:15.1	3	15m	
130	COMP			↑		
131	464.062893	00:02:04.12	+12:53:27.3	3	12m	Had! @ PIX 2022
132	COMP			↑		
133	464.064841	00:03:51.72	+12:59:06	3	15m	Ha
134	COMP			↑		
135	464.066249	00:04:38.85	+13:03:5.2	3	15m	
136	COMP			↑		
137	464.067514	00:06:45.67	+13:06:49.3	3	15m	
138	COMP			↑		
139	464.071386	00:11:45.54	+13:18:22.7	3	15m	
140	COMP			↑		
141	467.022852	01:24:35.68	+11:10:49.3	3	8m	Ha
142	COMP			↑		moon sat; still some clouds
143	467.023723	01:24:52.89	+11:17:22.4	3	10m	2x on slit to W
144	COMP			↑		
145	467.015233	01:12:46.16	+10:54:56.1	3	10m	
146	COMP			↑		
147	467.024743	01:20:59.78	+11:21:54.5	3	7m	
148	COMP			↑		
149	467.025114	01:22:01.62	+11:26:29.1	3	8m	
150	COMP			↑		
151	467.026907	01:22:22.76	+11:29:55.5	3	8m	

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4130</u>		
Observer: <u>P. Berland</u>		Grating: <u>300R</u>		Date: <u>11/28/95</u>		
PI: <u>Briceno/Goodman</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
152	COMP			↑		
153	HCLZNW-2C	04:40:19.2	+26:41:16	38	2m	Reset H α Candidate #'s
154	COMP			↑		
155	HCLZNW10	04:40:49	+25:52:05	38	90s	H α
156	COMP			↑		
157	HCLZNW-1c	04:41:43	+26:55:53	38	2m	
158	HCLZNW-1a	47	22	38	12m	weak; no H α
159	HCLZNW-1b	48	06	38	12m	
160	COMP			↑		
161	L1537-4	04:46	+24:35	38	4m	H α
162	COMP			↑		
163	HCLZNW-7b	04:39:49	+26:01:52	38	4a	H α
164	HCLZNW-9a	04:40:03.6	+25:53:53	38	3m	
165	HCLZNW-9b	06.3	25	38	10m	
166	COMP			↑		
167	L1537-2b	04:47:41.6	+25:04:35	38	7m	
168	L1537-5	04:47:22	+24:54:34	38	4m	
169	L1537-14b	14:47:41.6	+25:04:35	38	4m	
170	COMP			↑		
171	L153713a	04:47:10.6	+24:57:01	38	15m	H α
172	L153713b	10.7	17	38	6m	
173	COMP			↑		
174	L153710b	04:47:42.2	+24:42:28	38	15m	
175	COMP			↑		
176	L1537-12	04:48:23.3	+24:39:33	38	4m	H α & faint comp to NW
177	L1538-1	04:47:55.5	+25:34:49	38	3m	H α (not in slit)
178	COMP			↑		
179	021014	04:22:06.2	+22:53:01	37	4m	extra * on slit
180	021015	04:22:35.5	+22:58:02	37	7m	
181	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4131</u>	
Observer: <u>PBerlind</u>			Grating: <u>700R</u>			
PI: <u>Goodman/Huchra/Geller</u>			Date: <u>11/28/95</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
182	031021	04:22:26.9	+23:24:28	37	6m	thin clouds
183	031022	04:22:28.9	+23:19:32	37	5m	fuzzy comp to N
184	031024	04:22:29.7	+23:12:54	37	3m	} stars selected to be } brighter than given } 2 stars on slit
185	031025	04:22:32.4	+23:10:38	37	4m	
186	COMP			↑		
187	011001	04:22:35.5	+22:45:39	37	4m	
188	011004	04:22:37.5	+22:33:11	37	3m	
189	COMP			↑		
190, 191	2M4	08:51:00.4	+12:02:10.9	1	20m	non-stellar x2
191, 192	COMP			↑		
192	0710Sp2253	07:10:30	+22:53:60	1	8m	H α
193	COMP			↑		
194	07104p2511	07:10:24	+25:11:60	1	8m	H α
195	COMP			↑		
196	07070p3949	07:07:60	+35:49:60	1	15m	- weak =#
197	COMP			↑		
200	312.025374	08:55:23.9	+27:37:03.5	3	7m	H α
201	COMP			↑		
202	312.026122	08:41:16.97	+27:35:32	3	7m	
203	COMP			↑		
204	312.026280	08:46:06.03	+27:40:27	3	7m	
205	COMP			↑		
206	312.028286	08:44:45.78	+27:46:26.9	3	7m	
207	COMP			↑		
208	312.026319	08:47:46.99	+27:40:48.8	3	8m	
209	COMP			↑		
210	312.028289	08:45:23.58	+27:44:20.2	3	8m	
211	COMP			↑		
212	AS127	08:32	+19:11	38	90s	
213	COMP					

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4/2</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>		Date: <u>11/28/95</u>	
PI: <u>Brizeno/Kenyon/Wilks</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
214	AS196	08:37:42.5	+19:35:57	38	90s	
215	COMP			↑		
216	AS254	08:38:53.6	+19:34:16	38	3m	
217	AS332	08:40	+19:47	38	1m	
218	AS342	08:40	+19:37	38	1m	
219	AS378	08:40:42.6	+19:33:57	38	30s	
220	COMP			↓		
221	AS435	08:41:28	+19:44	38	30s	
222	N4151	12:06	+39:41	6	30s	
227	COMP			↑		
224-225	Fer234	10:24	+43:21	0	30s	
226	COMP			↑		
227-229	TKCUN	12:42:17.9	+37:02:14	12	5s/5s	
230	COMP			↑		
231-240	ISAS			0	0s	
241-250	FLAT			0	6s	
251-257	DARK				15m	
						a few scattered clouds @ dawn

11, 20