

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>P. Berling</u>			Grating: <u>3002</u>		Page: <u>4561</u>	
PI: <u>Wilkes/Kemp & Pantaja</u>			Date: <u>4/19/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	
11-20	FLAT			0	6s	clouds to W+N
21-30	BIAS			2	0s	bin by 2
31-40	FLAT			2	12s	↓
41-45	SKY			0	2s	bin by 4
46	COMP			↑	5s	
47-51	HDS2971	06:59	+27:13	0	5s	defeat
52	COMP			↑		
53-54	N3379	10:45	+12:50	0	60s	
55	COMP			↑		
56	N4051	12:06	+49:41	6	30s	
57	COMP			↑		
58	N4051	12:00	+49:48	6	2m	
59	COMP			↑		
60	MRK421	11:21	+38:28	6	4m	
61	COMP			↑		
62	SWUMa	08:36	+53:28	39	2m	in outburst
63	COMP			↑		
64-65	Hiltner 600	06:48	+02:00	0	1m	
66	COMP			↑		
67	HBC 537	06:38	+09:43	30	9m	guider not working
68	COMP			↑		re booting guide pc fixed it
69	HBC 225	06:38	+09:27	30	10m	bright meteor passed right
70	COMP			↑		through middle of slit
71	HBC 208	06:26	+09:49	30	10m	
72	COMP			↑		
73	03m18m006	07:03	+18:29	43	4m	
74	COMP			↑		
75	03m18m005	07:01	+19:37	43	4m	bright star to South
76	COMP			↑		

1.15
8.8

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4562</u>	
Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Patrick/Huehry/Geller</u>			Date: <u>4/19/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
77	03950	07:29	+62:13	43	3m	
78	COMP			↑		
79	03939	07:37	+19:58	43	3m	em
80	COMP			↑		
81	08283p5601	08:32	+55:50	1	15m	H _α @ 12:21 slit to to s. redo from 4/17/96 (v. when 48)
82	COMP			↑		bright superposed to on galaxy
83	α 1398ET	12:14	+29:41	3	20m	
84	COMP			↑		
85	322.016884	12:51	+27:09	3	6m	Orion setting in clouds nice sky above
86	COMP			↑		
87	322.018909	13:04	+27:18	3	10m	
88	COMP			↑		
89	522.028231	13:12	+27:52	3	10m	
90	COMP			↑		
91	322.027836	12:59	+27:51	3	8m	faint comp to W
92	COMP			↑		
93	322.001555	13:14	+26:06	3	8m	em
94	COMP			↑		poor seeing
95	322.008110	13:15	+26:33	3	8m	H _α
96	COMP			↑		
97	322.032154	12:54	+28:05	3	10m	
98	COMP			↑		
99	322.032863	12:55	+28:08	3	8m	bin by 2 - bright * to W
100	COMP			↑	8s	
101	322.034667	12:55	+28:15	3	8m	bin by 4 ↓
102	COMP			↑		
103	320.035179	12:56	+28:18	3	8m	a few clouds around
104	COMP			↑		
105	320.035451	13:06	+28:20	3	8m	
106	COMP			↑		

60 inch Telescope Log

Observer: PS

PI: Kirsher & Geller

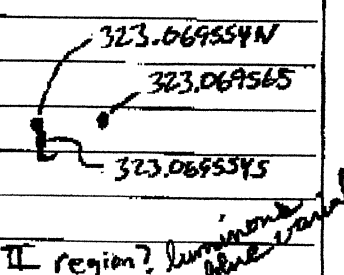
Spectrograph: FAST

Grating: 3002

Date: 4/19/96

Page: 4563

Number	Object	R.A.	Dec.	L/R	Exp	Comments
107, 109	SN1996M	12:51	-13:01	2	20m	bin by 2 x2
108, 110	COMP			↑		very faint 18+
111	SN1996X	13:18	-26:50	2	10m	
112	COMP			↑		poor seeing
113-114	H244	13:21	+8:33	0	90s	bin by 4 ↓
115	COMP			↑		
116	322.035508	12:54	+28:18	3	8m	
117	COMP			↑		
118	322.058368	12:59	+28:20	3	9m	
119	COMP			↑		
120	322.040588	13:04	+28:39	3	10M	em
121	COMP			↑		
122	322.040300	12:59	+28:39	3	10m	em
123	COMP			↑		
124	323.065806	13:24	+30:55	3	5m	
125	COMP			↑		
126	323.065710	13:24	+30:57	3	5m	
127	COMP			↑		
128	323.065975	13:20	+30:56	3	5m	
129	COMP			↑		
130	323.068104	13:38	+31:09	3	5m	
131	COMP			↑		
132	323.066672	13:19	+31:10	3	5m	
133	COMP			↑		
134	323.069567	13:26	+31:16	3	5m	
135	COMP			↑		
136	323.069554N	13:30	+31:17	3	6m	North Comp also, object
137	COMP			↑		323.069565 is on slit to W
138	323.069554S	13:30	+31:17	3	7m	em++ "South"
139	COMP			↑		



Emilio had the guys on the 48" image this field. lbrw

#64 slit

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4564</u>
Observer: <u>PB</u>				Grating: <u>300R; 600R</u>		
PI: <u>Geller & Prosser</u>				Date: <u>4/17/96</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
140	323.069774	13:22	+31:16	3	5m	
141	COMP			↑		
142	323.069824	13:25	+31:17	3	4m	
143	COMP			↑		
144	323.069919	13:41	+31:17	3	5m	
145	COMP			↑		
146	323.070012	13:18	+31:17	3	4m	
147	COMP			↑		
148	323.070485	13:41	+31:20	3	5m	em
149	COMP			↑		
150	323.070496	13:35	+31:21	3	4m	weak
151	COMP			↑		
152	323.070908	13:20	+31:21	3	5m	
153	COMP			↑		
154	323.070815	13:37	+31:23	3	4m	
155	COMP			↑		
156	323.070839	13:35	+31:23	3	8m	sup ← (off slit to N) em
157	COMP			↑		
158	P146	17:47	+06:31	20	25m	600R/mm gr; 1.1" slit ↓
159	COMP			↑	20s	$\lambda_c = 4400 \text{ \AA}$
160	P94	17:45	+06:36	20	25m	
161	COMP			↑		
162	P100	17:46	+06:41	20	27m	
163	COMP			↑		
164	327.075407	15:25	+31:17	3	6m	300R/mm grating; 3" slit ↓
165	COMP			↑		
166	327.074427	15:23	+31:36	3	6m	em
167	COMP			↑		
168	327.074511	15:21	+31:37	3	6m	em
169	COMP			↑		

60 inch Telescope Log

Observer: PB
 PI: Gallery Wilkes/Keyon

Spectrograph: FAST

Grating: 300L; 600L

Page: 4565

Date: 4/19/96

Number	Object	R. A.	Dec.	L/R	Exp	Comments
170	327.078488	15:06	+34:31	3	7m	
171	COMP			↑		
172-175	AS210	16:51	-26:00	12	2m; 5s	
176	COMP			↑		
177-179	Hen 134	17:09	-17:26	12	5s; 30s	
180	COMP			↑		
181-184	AS296	18:15	-00:18	12	2s-30s	
185	COMP			↑		
186	NG 5548	14:15	+25:22	6	2m	
187	COMP			↑		
188	MRK 279	13:51	+67:33	6	90s	
189	COMP			↑		
190-192	CIC 49	19:50	+35:41	12	1m; 20s; 2s	
193	COMP			↑		
194-198	HD 192781	20:10	+40:07	0	5s	
199	COMP			↑		
200-209	BIAS			0	0s	
210-219	FLAT			0	6s	
220-229	FLAT 600			20		600L/6m; 1.1" slit
230	COMP	test			test	300L/6m; 3" slit
						a couple of clouds around & down