

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>P. Berliand</u>			Grating: <u>3000; 3" slit, baby</u>		Page: <u>4349</u>	
PI: <u>Huchra</u>			Date: <u>1/26/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	DIPS			0	0s	circus all over
11-20	FLAT			0	6s	bright moon
21-25	SKY			0	2s	
26	COMP			↑	5s	
27-31	H1D217086	22:54	+62:27	0	5s	
32	COMP			↑		
33-35, 37-39	M32	02:39	+40:35	0	30s	
36, 40	COMP			↑		
41-43	M31	02:40	+40:59	0	30s	
44	COMP			↑		
45-46	M31/sky	02:40	+40:00	0	20s	
47	COMP			↑		
48	MRK335	02:07	+19:55	6	90s	
49	COMP			↑		
50-51	225m280	00:41	+41:05	0	4m	
52	COMP			↑		
53	KI 038088eA	01:49	+36:15:06	1	10m	fuzz from another gal
54	COMP			↑		also on slit
55	KI 04100256e	01:51	+34:09	1	10m	
56	COMP			↑		
57	KI 0350107	01:48	+36:37	1	10m	
58	COMP			↑		
59	122	01:47	+36:33	1	10m	
60	COMP			↑		
61	K0411.03	01:52	+34:17	1	10m	≠ 2700 km/sec
62	COMP			↑		
63	121	01:49	+36:33	1	12m	em
64	COMP			↑		
65	K040.06	01:50	+37:27	1	12m	bright star on slit
66	COMP			↑		

Moon: 2:10 +11°

9.19

1.22

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PS</u>			Grating: <u>300L</u>		Page: <u>4350</u>	
PI: <u>Pantaja/Kempner</u>			Date: <u>1/26/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
67	02797	03:34	+23:07	43	5m	
68	COMP			↑		
69	02999	04:13	+23:23	43	6m	weak extended H $\alpha$ em
70	COMP			↑		
71	02967	04:06	+26:52	43	10m	H $\alpha$
72	COMP			↑		
73	03021	04:18	+26:00	43	6m	
74	COMP			↑		
75	03024	04:19	+27:11	43	5m	
76	COMP			↑		
77	03095	04:32	+18:14	43	4m	
78	COMP			↑		
79	03096	04:33	+19:50	43	3m	clouds to N+W
80	COMP			↑		
81	03099	04:33	+20:30	43	6m	
82	COMP			↑		
83	a100	05:03	+30:46	43	20m	very LSB + huge
84	COMP			↑		what a monster!
85	03631	06:58	+29:57	43	6m	powerhouse emission all over
86	COMP			↑		
87	03634	06:58	+44:12	43	5m	
88	COMP			↑		
89	03760	07:11	+06:09	43	7m	* on slit
90	COMP			↑		
91	03768	07:12	+06:40	43	8m	bright star on slit
92	COMP			↑		
93-95	BX Mon	07:22	-63:30	12	1, 5s, 60s	
96	COMP			↑		
97	03950	07:36	+02:20	43	4m	
98	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>300R</u>		Page: <u>4351</u>	
PI: <u>Pantoya/Huchra/Koranyi/Falco</u>			Date: <u>1/26/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
99	03111	07:21	+23:17	43	3m	
100	COMP			↑		
101	075939	07:51	+20:05	43	4m	H <sub>α</sub>
102	COMP			↑		
103	07584 p2621	07:58	+26:21	1	9m	
104	COMP			↑		
105	07592 p2124	07:59	+21:24	1	10m	H <sub>α</sub> - weak; pec
106	COMP			↑		
107	07596 p2301	07:59	+23:01	1	10m	H <sub>α</sub>
108	COMP			↑		clouds moving in from W.
109	07599 p2153	08:00	+27:53	1	9m	H <sub>α</sub>
110	COMP			↑		1.5" slit; binby 2
111, 114	NGC 2363A	07:28:43.4	46:11:24	1	10m	star 1.3"N + 0.5"W of
112, 115	COMP			↑	8s	eastern knot of NGC 2363
113	NGC 2363 B	random star	to confirm	row #	3m	the star is at row 72
116	NGC 2363 C	1.5" South of files		111, 114	4m	clouds!
117	COMP			↑		
118, 120	H909 p5311	09:09:27.5	+53:11:52	37	10m, 30m	binby 1; 2" slit; PA = 113.2°
119, 121	COMP			↑		excellent seeing!!
122	mkw10.01 b	11:39:57	+09:44:24	35	12m	some thin clouds moon set
123	COMP			↑		3" slit binby 4
124	mkw10.01	11:39	+09:43	35	8m	
125	COMP			↑		
126	mkw10.02	11:39	+09:58	35	9m	
127	COMP			↑		
128	mkw10.03	11:39	+10:48	35	12m	N
129	COMP			↑		
130	mkw10.04	11:39	+10:48	35	8m	S
131	COMP			↑		
132	mkw10.05	11:39	+10:59	35	10m	weak

111 + 114 have two object -  
both with em; have  
colored them E + W

0.57 / pixel

Number	Object	R.A.	Dec.	L/R	Exp	Comments
133	COMP			↑		
134	mkw10-06	11:39	+10:24	35	9m	Ha
135	COMP			↑		
136	mkw10-07	11:39	+10:40	35	5m	
137	COMP			↑		
138	mkw10-09	11:39	+10:45	35	10m	
139	COMP			↑		
140	mkw10-10	11:40	+10:25	35	10m	
141	COMP			↑		
142	mkw10-13	11:40	+10:48	35	10m	
143	COMP			↑		
144	mkw10-14	11:40	+10:48	35	10m	
145	COMP			↑		
146	mkw10-15	11:40	+10:44	35	10m	
147	COMP			↑		
148	320.025517	12:15	+27:49	3	7m	finally: 15R
149	COMP			↑		
150	320.025906	12:14	+27:51	3	6m	
151	COMP			↑		
152	320.026452	12:07	+27:51	3	7m	
153	COMP			↑		
154	320.026552	12:05	+27:52	3	5m	
155	COMP			↑		
156	320.026578	12:03	+27:53	3	10m	Ha
157	COMP			↑		
158	320.029190	12:14	+28:03	3	8m	
159	COMP			↑		
160	320.029614	12:22	+28:04	3	5m	
161	COMP			↑		
162	320.030558	12:10	+28:06	3	5m	

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4353</u>		
Observer: <u>PS</u>		Grating: <u>300</u>		Date: <u>1/26/96</u>		
PI: <u>Geller/Wikes</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	COMP			9		
164	320.030661	12:23	+28:09	3	5m	
165	COMP			1		
166	320.03127	12:04	+28:09	3	6m	
167	COMP			↑		
168	320.031386	12:09	+28:09	3	4m	
169	COMP			↑		
170	320.031558	12:15	+28:12	3	6m	
171	COMP			↑		
172	320.032270	12:04	+28:14	3	6m	
173	COMP			1		
174	320.032418	12:07	+28:14	3	4m	
175	COMP			↑		
176	320.032533	12:28	+28:14	3	8m	Wow! AGN
177	COMP			1		
178	320.033067	12:12	+28:18	3	5m	
179	COMP			↑		
180	320.033145	12:14	+28:18	3	5m	
181	COMP			↑		
182	320.033445	12:20	+28:19	3	5m	
183	COMP			↑		
184	320.033693	12:22	+28:20	3	4m	
185	COMP			↑		
186	PG1402 p261	14:02	+35:06	45	5m	1.5" slit ↓
187	COMP			1		excellent seeing
188	PG1440 p356	14:40	+35:36	45	4m	
189	COMP			↑		
190	PG1440 p356	14:40	+35:36	45	3m	5" slit ↓
191	COMP			↑		clear skies
192	PG1402 p261	14:02	+35:06	45	3m	
193	COMP			↑		

cal/25  
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60 inch Telescope Log

Observer: PBPI: WilkesSpectrograph: FASTGrating: 300LDate: 1/26/96Page: 4354

Number	Object	R. A.	Dec.	L/R	Exp	Comments
<del>194-198</del>	Feige 98			0	1m	5" slit ↓
196	COMP			↑		
<del>197-199</del>	HZ 44	13:21	+36:23	0	1m	
199	COMP			↑		
200	NSS 48	14:15	+25:22	6	2m	3" slit ↓
201	COMP			↑		
202	MRK 279	13:51	+69:33	6	90s	
203	COMP			↑		
<del>204-206</del>	NH 51	12:08	+39:41	6	30s, 15s	
205	COMP			↑		
206-215	BIAS			0	0s	
<del>216-218</del>	FLAT			0	6s	
216-235	BIAS			31	0s	binby 1 for Emilio
236-245	FLAT			31	30s	2" slit; binby 1
<del>246-255</del>	BIAS			1	0s	binby 2 - for Kuck's object
256-265	FLAT			1	20s	1.5" slit; binby 2
266-275	FLAT			45	12s	1.5" slit; binby 4
<del>276-285</del>	FLAT			45	6s	5" slit; binby 4
						clouds to far south & west of dawn

Please pay attention to numbers, especially when there is diff. slit width + the file name!