

Fax: To Susan Tokarz 4 pages Total

60 inch Telescope Log

Observer: P. BarlundPI: Greenly Geller et alSpectrograph: FASTGrating: 3002Page: 4891Date: 9/27/96

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	
11-20	FLAT			0	6s	
21-25	sky			0	2s	some cirrus
26	COMP			↑	5s	very bright moon
27-29	HD 165341	18:05	+07:30	0	6s	
30	COMP			↑		
31-33	HD 165760	18:07	+08:49	0	1s	
34	COMP			↑		
35-37	HD 144578	16:04	+50:29	0	10s	
38	COMP			↑		
39-40	Comet HB	17:30	-05:20	0	30s	
41	COMP			↑		
42-44	HD 192251	20:10	+40:07	0	5s	
45	COMP			↑		
46-48	CSky	19:50	+35:41	12	2, 20, 120	
49	COMP			↑		
50, 52	CB5311	15:19	+50:07	32	15m	also observed 9/19/96
51, 53	COMP			↑		
54	N002015-15.50	17:20	+38:32	3	6m	these charts are very
55	COMP			↑		ambiguous
56	A000779-15.40	17:27	+57:11	3	6m	on to something else
57	COMP			↑		
58	3C 390.3	19:42	17:46	6	5m	
59	COMP			↑		
60	17068p3237	17:06	+22:37	1	7m	em
61	COMP			↑		
62	17072p2207	17:07	+22:17	1	6m	* + E
63	COMP			↑		
64	17076p1951	17:07	+19:51	1	10m	em
65	COMP			↑		

8.35  
1.10

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4892</u>		
Observer: <u>PB</u>		Grating: <u>3022</u>				
PI: <u>Huchra &amp; Geller</u>		Date: <u>9/22/96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
66	17084p3217	17-08	+32-17	1	5m	pec. emission; beware X-ray
67	COMP			↑		N II strength = low
68	17106p3058	17-10	+30-58	1	6m	
69	COMP			↑		TV gain problems
70	18030p4130	18-03	+41-30	1	6m	
71	COMP			↑		
72	18035p4745 SE	18-03	+47-45	1	5m	
73	18035p4745 NW	18-03	+47-45	1	7m	
74	18035p4745 NE	18-03	+47-45	1	11m	
75	COMP			↑		
76	18035p5657	18-04	+56-57	1	6m	clouds around
77	COMP			↑		
78	18098p5320	18-09	+53-20	1	6m	
79	COMP			↑		
80	18244p3523	18-24	+35-23	1	7m	em
81	COMP			↑		
82	18262p3734	18-26	+37-38	1	6m	
83	COMP			↑		
84	18273p3360	18-27	+33-60	1	8m	looks like a red
85	COMP			↑		
86	18323p3208	18-32	+32-08	1	10m	
87	COMP			↑		
88	464.015000	00-07	+10-34	3	15m	too faint red
89	COMP			↑		
90	464.007586	23-55	+11-43	3	15m	ok
91	COMP			↑		
92	465.015245	00-21	+10-53	3	15m	em ok
93	COMP			↑		
94	465.021001	00-42	+11-21	3	15m	em ok
95	COMP			↑		

Moon 20:30 -14

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4893</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>			
PI: <u>Hucha et al</u>			Date: <u>9/22/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
96	N7469	23:00	+08:52	6	2m	
97	COMP			r		
98	MRK335	00:03	+19:55	6	2m	clouds around
102	COMP			↕		
103/104	AXR	01:36	+54:15	12	10s, 40s	use comp #102
105	COMP			r		
106	015133p574717	01:51	+37:47	25	15m	Mag break? -redo see #115
106	COMP			r		
107	014553p361928	01:45	+76:19	25	15m	Mg, Na weak but ok?
108	COMP			r		
109	015127p84517	01:51	+38:49	25	20m	+ on slit to W
110	COMP			r		
111	014453p353932	01:44	+35:39	25	17m	nice
112	COMP			r		
113	014544p333812	01:45	+37:38	25	20m	ok
114	COMP			r		
115	015133p374717	01:51	+37:47	25	20m	redo from #105 above
116	COMP			r		
117	014940p32435	01:49	+36:24	25	20m	more clouds - all over
118	COMP			r		
119	G77m61	03:32	01:58	32	5m	
120	COMP			r		
121	Feyz25	02:26	+08:15	0	3m	
122	COMP			r		
123	Z009281-152	02:19	+42:47	3	5m	clouds
124	COMP			r		
125	Z004196-1470BW	02:11	+02:39	3	10m	E+W comps W=em
126	COMP			r		ruby red moon set

120 - high residual  
103 & 104 100 comp

60 Inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>3002</u>			Page: <u>4894</u>	
PI: <u>Geller</u>		Date: <u>9/22/96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
127	N003271 J550	07:54	H4:10	3	4m	star
128	COMP			↑		
129	A001066 J5.30	07:28	+34:40	3	2m	star
130	COMP			↑		chasing holes
131	466.047263	00:59	+12:49	3	10m	em
132	COMP			↑		
133	466.048861	01:00	+12:54	3	15m	
134	COMP			↑		
135, 137	466.048632	00:58	+12:54	3	15m	
136, 138	COMP			↑		
139	466.048687	00:46	+12:53	3	20m	mostly cloud; strong em
140	COMP			↑		
141	466.049021	00:58	+12:56	3	17m	
142	COMP			↑		
143	466.049261	00:58	+12:57	3	17m	
144	COMP			↑		
145	466.049263	00:59	+12:57	3	15m	plate is almost finished
146	COMP			↑		
147	466.054029	01:08	H3:16	3	12m	em
148	COMP			↑		
149-150	DLTan	04:33	H2:20	12	3m, 20s	
151	COMP			↑		
152-153	DRTan	04:47	H6:58	12	2m, 10s	
154	COMP			↑		clouds all over @ dawn
155	Hiltner 600	06:42	+02:11	0	60s	
156	COMP			↑		
157-159	HD 27836	04:24	H4:45	0	3s	
160	COMP			↑		
161-163	HD 16806	02:43	F2242	0	1s	
164	COMP			↑		
165-174	BIAS			0	0s	
175-184	FLAT			0	60s	

\* End of FAST Run \*

TOTAL P.04  
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