

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4213</u>
Observer: <u>P. Bertel</u>				Grating: <u>3000, 3" slit, bin by 4</u>		Date: <u>12/28/95</u>
PI: <u>Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS	zenith		0	0s	thin clouds
11-20	FLAT			0	6s	fast for = 1060
2 1/2s	sky			0	2s	
26	COMP			↑		
27-36	Z06807	21:43:36.5	+38:18:17	0	5-10s	
37	COMP			↑		
38,39	N7331	22:26:54	+31:09:43	0	2m	
40	COMP			↑		lots of clouds
41,42	BD p284211	21:48:57.1	+28:37:48	0	45s	
43	COMP			↑		
44	MRK335	00:03	+19:55	6	2m	
45	COMP			↑		
46	470.030740	02:28:16	+11:36:20	3	15m	H <sub>α</sub>
47	COMP			↑		
48	470.030029	02:37:56	+11:32:59	3	15m	
49	COMP			↑		
50	470.029744	02:34:33	+11:32:10	3	15m	
51	COMP			↑		
52	470.029053	02:24:18	+11:29:20	3	10m	stopped by clouds
53	COMP			↑		
54	470.030027	02:26:16	+11:33:29	3	15m	H <sub>α</sub> pix 2014 bright sky
55	COMP			↑		also has N1, N2, S1, S2 lines
56	0621p14	06:21:06	+14:32:17	1	4m	Susan - here's one to test the robustness of the auto-extr.
57	COMP			↑		- lost 3 hours → H <sub>α</sub>
58	0711p05	07:11:25.8	+08:52:10	1	10m	→ Nearby Seyfert
59	COMP			↑		
60	0715p00	07:15:10.6	+00:27:57	1	10m	H <sub>α</sub> clouds still
61	COMP			↑		pix 2014
62	032028	04:21:16	+23:19	37	5m	
63	COMP			↑		

Moon 00:43+05

1.14  
8.72

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4214</u>	
Observer: <u>P. Berlin</u>			Grating: <u>300L</u>			
PI: <u>Goodman/Karanyi/Geller</u>			Date: <u>12/28/95</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
64	042059	04-21-28	+23-40-11	37	6m	clouds all over
65	comp			↑		
66	042039	04-21-23	+23-30-48	37	10m	
67	comp			↑		
68	052049	04-21-22	+23-54-39	37	8m	
69	comp			↑		
70	062056	04-21-24	+24-23-10	37	2m	
71	062057	04-21-25	+24-20-57	37	3m	
72	062058	04-21-25	+24-15	37	2m	
73	062059	04-21-18	+24-12	37	1m	clearing nicely!
74	comp			↑		
75	awm 7.2.151	02-57-19	+41-43-33	35	15m	
76	comp			↑		
77	awm 7.2.160	02-58-26	+42-06-59	35	10m	2 on slit
78	comp			↑		moon set!!
79	awm 7.2.162	02-58-29	+41-57-26	35	10m	nice lines
80	comp			↑		
81	awm 7.2.172	02-59-41	+41-34-58	35	15m	redo
82	comp			↑		
83	0728 p07	07-28-23	07-20-03	7	8m	H <sub>α</sub> @ slit 2/96
84	comp			↑		
85	314.00085C	09-38-58	+26-18-57	3	12m	
86	comp			↑		
87	314.001521	09-27-59	+26-15-29	3	20m	H <sub>α</sub> ? but of course
88	comp			↑		
89	314.001982	09-22-12	+26-22-45	3	12m	interesting spectra; emission
90	comp			↑		full Balmer absorption
91	314.002100	09-31-31	+26-28-77	3	12m	more clouds
92	comp			↑		
93	314.006491	09-45-34	+26-38-15	3	18m	

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>300</u>			Page: <u>42/5</u>	
PI: <u>Geller/Wilkes</u>		Date: <u>12/28/95</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
94	COMP			↑		thin cloud all over
95	314.007901	09:42:026	+26:44:17	3	15m	* on slit thick to N
96	COMP			↑		wind picking up
97	314.009860	09:48:00	+26:50:31	3	15m	
98	COMP			↑		
99	314.009656	09:51:45.2	+26:48:31	3	15m	H <sub>β</sub>
100	COMP			↑		
101	314.010140	09:57:31	+26:52:49	3	15m	E on slit H <sub>β</sub>
102	COMP			↑		
103	314.010470	09:49:26	+26:52:23	3	12m	
104	COMP			↑		
105	314.014067	09:43:35	+27:06:24	3	20m	H <sub>α</sub> 26.775 km/sec
106	COMP			↑		
107	314.015548	09:50:04	+27:10:12	3	15m	cute spiral
108	COMP			↑		
109	314.016329	09:51:20.7	+27:12:49	3	15m	* on slit ; some E lines
110	COMP			↑		
111	314.017042	09:46:29	+27:16:37	3	15m	
112	COMP			↑		
113	314.017661	09:46:34	+27:15:32	3	15m	H <sub>β</sub>
114	COMP			↑		clouds moving in
115/16	Feige 34	10:36	+43:21	0	1m	
117	COMP			↑		
118	MRK 421	11:01	+38:28	6	50s	
119	COMP			↑		
120	NG 451	12:09	+39:41	6	30s	
121	COMP			↑		
122, 123	H 244	13:21	+36:23	0	1m	
124	COMP			↑		
125	NG 5548	14:15	+25:22	6	2m	

