

*FAST
to Susan Tokarz
pg 1 of 4*

60 inch Telescope log

Observer: P. Berlind

PI: Wilkes/Geller

Spectrograph: FAST

Grating: 300L; 3° slit; bndy 1

Page: 5557

Date: 7/5/97

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-11	BIAS			0	0s	
12-21	FLAT			0	6s	
22-31	BIAS			0	0s	very hazy
32-41	FLAT			0	12s	
42-46	sky	zenith		57	2s	46
47	COMP			↑		
48-49	Feige 66	12:31	+25:20	56	45s	clouds dispersing
50	COMP			↑		
51	N4151	12:08	+31:41	6	30s	
52	COMP			↑		
53	N4051	12:00	+44:48	6	2m	
54	COMP			↑		poor seeing
55	N4258	12:16	+47:34	6	2m	
56	COMP			↑		
57	H244	13:21	+76:23	56	2m	
58	COMP			↑		
59	MRK 279	13:51	+69:33	6	3m	
60	COMP			↑		
61	N5548	14:15	+25:22	6	3m	
62	COMP			↑		
63	ZW08493S	13:40	+25:53	60	4m	
64	ZW08193N	13:40	+25:53	60	8m	em
65	COMP			↑		
66	Z011713S	13:42	+29:49	60	6m	brn by 2; close comp - W
67	Z011713N	13:42	+29:49	60	5m	W comp - faint but good emiss
68	COMP			↑	12s	
69	Z013409S	13:43	+18:01	60	5m	
70	COMP			↑		
71	Z2544p082S	12:54	+18:25	7	20m	em also ds 6/2/96
72	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5558</u>	
Observer: <u>PIS</u>			Grating: <u>300R</u>			
PI: <u>Geller</u>			Date: <u>7/5/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
73	1311300713W	13:11	+07:13	↑	15m	W=A em
74	COMP			↑		wk
75	1312000318	13:12	+07:18	↑	20m	all em
76	COMP			↑		
77	Z0008035	13:41	+01:46	60	5m	emitt
78	COMP			↑		
79	Z012897E	13:41	+02:04	60	5m	
80	Z012817W	13:41	+02:04	60	5m	* to E
81	COMP			↑		
82	Z003888N	14:03	+04:25	60	5m	em
83	Z003888S	14:03	+04:28	60	5m	em
84	COMP			↑		
85	A000200S	14:03	+04:34	60	3m	
86	A000200N	14:03	+04:34	60	3m	
87	Z007168	14:03	+04:31	60		
88	COMP			↑		
89	Z007167N	14:03	+11:23	60	6m	em
90	Z007167S	14:03	+11:23	60	6m	wk
91	COMP			↑		
92	Z000997	15:07	+19:34	60	3m	SE
93	Z001065	15:07	+19:35	60	3m	NW
94	COMP			↑		
95	Z013603	15:06	+20:29	60	8m	bm by 2
96	COMP			↑		
97	Z007083E	15:06	+03:46	60	6m	em
98	Z007083W	15:06	+03:46	60	4m	
99	COMP			↑		
100	Z009869	15:05	+03:05	60	8m	E+W; extended emission between objects
101	COMP			↑		
102	N00182	15:05	+05:50	60	6m	em

100. I believe Western object is a star!

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5559</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>		Date: <u>7/5/97</u>	
PI: <u>Geller/Huchra</u>						
Number	Object	R.A	Dec.	L/R	Exp	Comments
103	COMP			↑		
104	Z008306N	15:05	+12:44	60	3m	
105	Z008306S	15:05	+12:44	60	3m	
106	COMP			↑		
107	Z 011731	15:02	+32:07	60	5m	
108	COMP			↑		
109	160136 p155534	16:01	+19:55	25	20m	Beautiful!
110	COMP			↑		
111	160355 p184706	16:03	+18:47	25	20m	
112	COMP			↑		
113	160307 p180616	16:03	+18:06	25	17m	
114	COMP			↑		
115	160203 p184419	16:02	+18:44	25	20m	
116	COMP			↑		
117	160038 p190445	16:00	+19:04	25	17m	
118	COMP			↑		
119	17448 p6631A	17:44	+66:34	43	4m	
120	17448 p6631B	17:44	+66:34	43	8m	
121	COMP			↑		
122	17448 p6634C	17:44	+66:34	43	8m	* to W em
123	17448 p6634D	17:44	+66:34	43	15m	em
124	COMP			↑		
125	NG488	17:48	+62:14	43	4m	
126	COMP			↑		
127	17504 p 7214	17:50	+72:14	43	4m	
128	COMP			↑		
129	17509 p 7150	17:50	+71:50	43	4m	
130	COMP			↑		
131	18026 p6911	18:02	+69:11	43	5m	
132	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>SS60</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>			
PI: <u>Brandt & Wilkes</u>			Date: <u>7/5/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
133,135	2304p0402	23:04	+04:02	66	14m	sec 2 = 1.18 2" slit ↓
134,136	COMP			↑		clear
137	0003p199	00:06	+20:12	66	11m	1.14 2"
138	COMP			↑		
139	0003p199	02:06	+20:12	66	3m	5" slit ↓
140	COMP			↑		
141	2304p0402	23:04	+04:02	66	5m	5"
142	COMP			↑		
143	Fergello	23:17	08:26	56	2m	5"
144	COMP			↑		
145-146	BDP284211	21:48	+28:37	56	1m	1.02 5"
147	COMP			↑		
148-150	HD217086	22:54	+22:27	56	5s	5"
151	COMP			↑		
152	MRK335	00:03	+19:55	6	3m	3" slit ↓
153	COMP			↑		
154	N7169	23:03	+08:52	6	2m	
155	COMP			↑		
156-158	CXUcy	19:50	+35:11	12	90, 20, 25	
159	COMP			↑		
160-162	HD172281	20:10	+10:07	56	5s	1.2
163	COMP			↑		
164-173	BT15			0	0s	
174-183	FLAT			0	6s	
184-193	BT15			0	0s	bmbg 2
194-203	FLAT			0	12s	bmbg 2
204-203	FLAT 5			66	3s	bmbg 4 ; 5" slit
204-243	FLAT 2			66	8s	bmbg 4 ; 2" slit
244-249	DARK					