

Start of FAST Run

60 inch Telescope Log	Spectrograph: <u>FAST</u>
Observer: <u>P Berlin</u>	Grating: <u>3002; 3" slit</u>
PI: <u>Wilkesy Geller</u>	Date: <u>5/7/96</u>
	Page: <u>4647</u>

Number	Object	R. A.	Dec.	L/R	Exp	Comments
110	BIAS			0	0s	
11-20	FLAT			0	6s	mostly clear!
21-25	sky			0	2s	
26	COMP			↑	5s	
27-28	N3379	10:45	+12:50	0	60s	
29	COMP			↑		
30-31	Ferg 66	12:34	+25:20	0	30s	
32	COMP			↑		
33	N4151	12:08	+37:41	6	20s	
34	COMP			↑		
35	N4051	12:00	+44:48	6	2m	
36	COMP			↑		
37	MRK 421	11:01	+38:28	6	4m	big 8-ray flare yesterday
38	COMP			↑		
39, 41	322.0910505	13:11	+32:03	3	6m, 10m x2	reduce #41
40, 42	COMP			↑		
43	322.091455	13:19	+32:05	3	10m	
44	COMP			↑		
45, 47	323.071516	13:35	+31:27	3	5m, 10m x2	reduce #47
46, 48	COMP			↑		
49	323.071807	13:20	+31:16	3	9m	
50	COMP			↑		
51	323.072795	13:27	+31:30	3	5m	
52	COMP			↑		
53	323.072731	13:24	+31:32	3	5m	
54	COMP			↑		
55	323.072855	13:33	+31:34	3	8m	2 objects on alt
56	COMP			↑		
57	323.073327	13:19	+31:34	3	10m	
58	COMP			↑		

9-25

Number	Object	R.A.	Dec.	L/R	Exp	Comments
59	323.073769	13:20	+31:36	B	10m	
60	COMP			↑		
61	323.074318	13:19	+31:39	3	8m	
62	COMP			↑		
63	323.074471	13:20	+31:41	3	6m	
64	COMP			↑		
65	323.074732	13:26	+31:43	3	7m	
66	COMP			↑		
67	323.075140	13:27	+31:47	3	10m	em
68	COMP			↑		
69	323.075556	13:18	+31:47	3	10m	
70	COMP			↑		
71	SN 1986K	13:18	-26:50	2	15m	6m by 2
72	COMP			↑		
73	H244	13:21	+31:23	0	60s	
75	COMP			↑		bright main
76	323.076073	13:22	+31:49	3	10m	
77	COMP			↑		
78	323.077131	13:25	+31:55	3	10m	
79	COMP			↑		
80	323.077714	13:28	+31:59	3	9m	
81	COMP			↑		
82	323.078147	13:25	+32:20	3	8m	
83	COMP			↑		
84	323.078173	13:24	+32:01	3	8m	
85	COMP			↑		
86	323.078427	13:42	+32:01	3	10m	
87	COMP			↑		
88	323.078684	13:47	+32:20	3	10m	
89	COMP			↑		

10:45 -
P¹ 2200 11:30

60 inch Telescope Log

Observer: PBPI: Geller & Hutchra & WilkesSpectrograph: FASTGrating: 300RDate: 5/7/96Page: 4649

Number	Object	R.A.	Dec.	L/R	Exp	Comments
90	323.078872	13:25	+72:05	3	10m	bright sky
91	COMP			↑		
92	323.079255	13:23	+72:06	3	8m	
93	COMP			↑		
94	323.079466	13:19	+72:05	3	10m	
95	COMP			↑		
96	323.075868	13:39	+72:09	3	15m	LSB em
97	COMP			↑		
98	323.076007	13:40	+72:09	3	7m	star - red;
99	COMP			↑		worse seeing
100	MRK 279	13:51	+69:33	6	2m	
101	COMP			↑		
102	N5548	14:45	+25:22	6	2m	
103	COMP			↑		
104	15106p7112	15:10	+71:01	1	5m	
105	COMP			↑		
106	15122p6451	15:12	+64:43	1	4m	
107	COMP			↑		
108	15153p6930	15:15	+69:19	1	4m	North Comp
109	COMP			↑		
110	15155p6928	15:15	+69:17	1	4m	South Comp
111	COMP			↑		
112	15191p6541	15:19	+67:31	1	3m	
113	COMP			↑		
114	15206p7354	15:19	+73:44	1	5m	
115	COMP			↑		
116	15215p6905	15:21	+68:55	1	4m	
117	COMP			↑		
118	15229p741EW	15:20	+79:31	1	10m	EW comps; both comps H-α
119	COMP			↑		

Mem 19:40 -17

60 inch Telescope Log

Observer: PB

PI: Geller

Spectrograph: FAST
Grating: 300R
Date: 07/19/96

Page: 4651

Number	Object	R.A.	Dec.	L/R	Exp	Comments
150	329.051825	15:58	+28:13	3	5m	
151	COMP			↑		
152	329.053132	16:03	+28:17	3	5m	OK
153	COMP			↑		thin clouds..
154	329.055142	15:54	+28:18	3	6m	
155	COMP			↑		
156	329.056576	16:05	+28:24	3	5m	
157	COMP			↑		
158	329.056964	16:12	+28:25	3	5m	
159	COMP			↑		
160	329.057225	16:05	+28:26	3	5m	
161	COMP			↑		
162	329.061548	16:16	+28:34	3	5m	sky too bright? pull
163	COMP			↑		
164-166	CICing	19:50	+35:41	12	2, 20, 60s	
167	COMP			↑		
168-170	HD192181	20:10	+40:07	0	5s	
171	COMP			↑		
172-178	HD195185N			0	5s	thin clouds after @ dawn
179	COMP			↑		
180-183	HD191765			0	2s	
184	COMP			↑		
185-188	HD192103			0	2s	
189	COMP			↑		
190-192	HD193793			0	1s	
193	COMP			↑		
194-203	BIAS			0	0s	
204-213	FLAT			0	6s	
214-220	BIAS			2	0s	bin by 2
221-233	FLAT				7s	"