

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4822</u>
Observer: <u>PBerlincl</u>				Grating: <u>300R, 34 slit</u>		
PI: <u>Huchra</u>				Date: <u>7/24/96</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	bimby 4
11-20	FLAT			0	6s	bimby 4
21-30	BIAS			0	0s	bimby 2
31-40	FLAT			0	12s	bimby 2
41-45	sky			0	7s	
46	COMP			↑	5s	SS storms heading
47-49	HD 163993	17:57	29:14	0	1s	this way
50	COMP			↑		
51-53	HD 163888	17:55	+28:52	0	1s	
54	COMP			↑		
55-57	HD 143761	16:01	+33	0	1s	
58	COMP			↑		
59-61	HD 157999	17:25	-04:08	0	1s	
62	COMP			↑		clouds all over
63-65	HD 161868	17:47	+02:42	0	1s	
66	COMP			↑		
67-68	BDP 352642	15:50	+33	0	45s	
69	COMP			↑		
70	MRK 279	13:51	+69:33	6	3m	bright sky
71	COMP			↑		
72	H48	16:06	+16:29	48	12m	clearing ???
73	COMP			↑		
74	NS 548	14:15	+25:22	6	2m	
75	COMP			↑		
76	13293p6217	13:30	+62:19	1	10m	em!
77	COMP			↑		
78	13420p7034	13:42	+72:20	1	5m	em
79	COMP			↑		
80	NS 340	13:48	+72:39	1	5m	
81	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>PB</u>				Grating: <u>3002</u>		Page: <u>4823</u>
PI: <u>Huchra &amp; Shapiro</u>				Date: <u>7/24/96</u>		
Number	Object	R. A.	Dec.	L/R	Exp	Comments
82	13479p6904	13.47	+69.04		7m	storm to NE
83	COMP			↑		
84	13488p7058	13.48	+70.58		6m	
85	COMP			↑		
86	13491p6849	13.50	+68.35		10m	stopped by clouds
87	COMP			↑		spectacular lightning storm
88	17003p5846	17.03	+58.46		8m	
89	COMP			↑		
90	17009p4151	17.00	+41.51		5m	
91	COMP			↑		
92	17037p4154	17.03	+41.54		5m	
93	COMP			↑		
94	17037p3542	17.03	+35.42		5m	
95	COMP			↑		
96	17040p5141	17.04	+51.41		5m	em
97	COMP			↑		
98	17042p5616	17.04	+56.16		5m	
99	COMP			↑		
100	17073p4718	17.07	+47.18		5m	
101	COMP			↑		
102	17094p3804	17.09	+38.04		7m	em
103	COMP			↑		
104	17096p4624	17.09	+46.28		4m	
105	COMP			↑		
106	17091p5648	17.10	+56.48		7m	em
107	COMP			↑		
108	17044p1107E	17.04	+41.07		10m	L513
109				↑		increasingly clouds again
110-115	HR 8703	22.93	+16.50	99	1s, 3s	for track ↓
116	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>300R</u>		Page: <u>4824</u>	
PI: <u>Shapiro &amp; Wilkes</u>			Date: <u>7/24/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
117-122	HD217086	22:54	+62:27	0	5s, -30s	lots of clouds
123	COMP			↑		
124-129	HR 8703 red	22:53	+16:50	99	3s, 5s	red filt = 860 ↓
130	COMP			↑		
131-135	HD217086 red	22:54	+62:27	0	15-20s	clouds....
136	COMP			↑		
137-141	HD192281 red	22:10	+40:07	0	10s-20s	#110 saturated
142	COMP			↑		for Iron ↑
143-144	CIC <sub>2</sub> red	19:50	+35:41	12	2m, 1m	
145	COMP			↑		
146-155	FLAT red	star		99	10s	
156-160	BIAS			0	0s	Normal Tilt = 607 ↓
161-163	CIC <sub>2</sub>	19:50	+35:41	12	2m, 20s, 1s	
164	COMP			↑		
165-167	HD192281	22:10	+40:07	0	5s	for Iron too
168	COMP			↑		
169	3C390.3	18:45	+79:43	6	5m	poor seeing!
170	COMP			↑		
171	19584 p5021	19:58	+50:21	1	4m	superposed star? - had to force velocity to 7681 w/old of old
172	COMP			↑		
173	20004 p4900	20:00	+49:60	1	7m	em
174	COMP			↑		
175	19798 p4148	19:29	+41:48	1	4m	
176	COMP			↑		stopped again - clouds
177-178	N7331	22:34	+34:09	0	4m	
179	COMP			↑		
180-183	M32	00:39	+10:35	0	20s	
184	COMP			↑		
185-186	158m213	00:40:30.2	+40:50:55	0	6m	
187	COMP			↑		

TILT CHANGE!

