

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4850</u>
Observer: <u>P. Berlind</u>				Grating: <u>300R</u>		
PI: <u>Kenyon &amp; Huchra</u>				Date: <u>9/6/96</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-4	DARK			0	15m	
5-14	BIAS			0	0s	clouds all around
15-24	FLAT			0	6s	
25-29	sky			0	2s	
30	COMP			↑	5s	
31-34	HD192281	20:10	+40:07	0	5s	
35	COMP			↑		
36-38	CIC <sub>288</sub>	19:50	+35:41	12	2s, 20s, 2m	
39	COMP			↑		object "on slit"
40-42	HD167971	18:18	-12:19	0	3s	
43	COMP			↑		
44-46	HD168072	18:18	-13:48	0	5s	
47-49	HD168075	18:18	-13:47	0	5s	
50	COMP			↑		
51-53	HD168206	18:19	-11:37	0	10s	
54	COMP			↑		
55-8	TG B	15:59	+25:55	12	10s, 45s	
57	COMP			↑		
58-59	AG Dra	16:	+6:	12	30s, 2s	
60	COMP			↑		
61	160027 p162523	16:00	+16:25	25	10m	
62	COMP			↑		
63	160023 p160715	16:00	+16:07	25	9m	
64	COMP			↑		
65	160331 p160752	16:03	+16:07	25	10m	wk; H $\alpha$
66	COMP			↑		
67	160025 p180839	16:00	+18:08	25	15m	H $\alpha$
68	COMP			↑		
69	160026 p180602	16:00	+18:08	25	15m	pec. (high z)
70	COMP			↑		$c_z = 42,900 \text{ km/sec}$

gain 1.17  
noise 8.8 (799)

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4851</u>
Observer: <u>PB</u>				Grating: <u>JW2</u>		
PI: <u>Wilkes/Kenyon/Geller</u>				Date: <u>9/6/96</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
71	160312 p153029	16:03	+15:30	25	9m	em
72	COMP			↑		
73	160250 p164350	16:02	+16:43	25	9m	
74	COMP			↑		
75	gums_16	16:58	+28:07	35	15m	em
76	COMP			↑		
77	gums_17	16:57	+28:07	35	10m	ugh. stopped by clouds
78	COMP			↑		
79	MRK509	20:41	+0:54	6	2m	
80	COMP			↑		cloud delay - 5 hrs
81-82	ZAnd	23:33	+48:49	12	5s/90s	clearing somewhat
83	COMP			↑		
84-85	AXPer	01:36	+51:15	12	30s,	
86	COMP			↑		
87	N7469	23:10	+08:26	6	2m	
88	COMP			↑		clouds all over
89-90	Ferg10	23:17	-65:26	0	3m	
91	COMP			↑		
92-94	M32	00:39	+40:35	0	1m	
95	COMP			↑		
96-98	M31	00:40	+40:59	0	1m	
99	COMP			↑		
100	M31 SKy	00:42	+41:16	0	1m	clearing
101	COMP			↑		
102-103	22Sm280	00:41	+41:05	0	6m	
104	COMP			↑		
105	523.041465	23:37	+11:56	3	12m	
106	COMP			↑		
107	523.058951	23:54	+12:49	3	10m	emt
108	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4852</u>	
Observer: <u>PB</u>				Grating: <u>7002</u>			
PI: <u>Geller &amp; Wilkes / Kempton</u>				Date: <u>9/6/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
109	523.060599	23:48	+12:55	3	10m		
110	COMP			↑			
111	523.065067	23:50	+13:09	3	15m	H <sub>α</sub> !	
112	COMP			↑			
113	523.068889	23:50	+13:20	3	15m		
114	COMP			↑			
115	523.069223	23:51	+13:22	3	15m	pec.	
116	COMP			↑			
117	523.070660	23:53	+13:26	3	15m		
118	COMP			↑			
119	523.040040	23:50	+11:52	3	15m	V. LSB - H <sub>α</sub> !	
120	COMP			↑			
121	466.025556	00:48	+11:20	3	8m		
122	COMP			↑			
123	MRK335	00:03	+19:55	6	2m		
124	COMP			↑			
125	Fairg 25	02:36	+05:15	0	3m		
126	COMP			↑			
127-128	DL Tau	04:33	+29:20	12	2m, 30s		
129	COMP			↑			
130-131	DRTau	04:47	+6:58	12	2m, 10s		
132	COMP			↑			
133-135	HD 30616	04:51	+11:34	0	6s		
136	COMP			↑			
137-139	HD 31487	04:59	+51:56	0	6s		
140	COMP			↑		clouds to S+E	
141-143	HD 32016	05:09	+39:00	0	6s	• dawn	
144	COMP			↑			
145-147	HD 34469	05:19	+35:47	0	6s		
148	COMP			↑			
149-158	BIAS			0	0s		
159-168	FLAT			0	6s		