

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4845</u>	
Observer: <u>Pforlind</u>			Grating: <u>3000; 3" slit; bin by 4</u>		Date: <u>9/5/96</u>	
PI: <u>Huchra/Wilkos/Kemp</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	
11-20	FLAT			0	6s	thin clouds
21-25	sky			0	4s	
26	COMP			↑	5s	
27-29	HD192281	20		0	5s	
30	COMP			↑		
31-33	CIT	19:50	+35	12	2s, 20s, 2m	
34	COMP			↑		
35	160216p164839	16:02	+16:458	25	8m	
36	COMP			↑		
37	160120p160736	16:01	+16:07	25	6m	
38	COMP			↑		
39	160300p15804	16:03	+15:18	25	8m	
40	COMP			↑		
41	160608p181557	16:00	+18:15	25	9m	
42	COMP			↑		
43	160046p153541	16:00	+15:35	25	10m	em
44	COMP			↑		increasing clouds
45	160055p150153	16:00	+15:01	25	9m	2 objects on slit
46	COMP			↑		W object is target
47	160300p175032	16:03	+17:50	25	9m	
48	COMP			↑		
49-50	MRK509	20:41	-10:54	6	5m	clouds...
51	COMP			↑		
52-53	Comet HB	17:35	-06:16	0	30s, 3m	nucleus; tail
54	COMP			↑		
55-56	HD186427N +S	19:41	+50:31	0	1s	
57	COMP			↑		
58	18560p5105	18:56	+51:05	98	5m	
59	COMP			↑		

bin by 2 gain: 1.2 noise 4.16

bin by 4 gain: 1.15 noise 8.69

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>48/46</u>	
Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Huchra & Wilkes</u>			Date: <u>9/5/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
60	19339p4147	19-33	+41-47	98	10m	LSB <u>Ha</u>
61	COMP			↑		
62	19347p0237	19-34	+02-37	98	5m	proc 2 solutions; careful on clearing!!
63	COMP			↑		
64	19490p0326	19-49	+03-26	98	5m	
65	COMP			↑		
66	19509p0813	19-50	+08-13	98	7m	
67	COMP			↑		
68	19220p3442	19-22	+34-42	98	12m	em gal + 3 stars on slit
69	COMP			↑		
70	20012p0701NE	20-01	+07-01	98	5m	
71	20012p0701SW	20-01	+07-01	98	8m	nice sky
72	COMP			↑		
73	20065p0738	20-06	+07-38	98	15m	LSB em
74	COMP			↑		
75	Q2135m147	21-35	-14-32	49	20m	sec 2 = 1.44 Hz = 0
76	COMP			↑		
77	Ferze 110	23-17	-05-26	0	2m	sec 2 = 1.37 8m
78	COMP			↑		
79	N7469	23-10	+08-36	6	2m	
80	COMP			↑		
81	MPX 333	00-03	+19-33	6	2m	
82	COMP			↑		
83	3C445	22-23	-02-06	49	15m	sec 2 = 1.21
84	COMP			↑		
85, 87, 89	PHLS 200	22-24	-05-18	49	15m	bin by 2 sec 2 = 1.25
86, 88, 90	COMP			↑	8s	
91	Ferze 110	23-17	-05-26	0	2m	sec 2 = 1.25
92	COMP			↑		
93	S23.052745	23-38	+12-30	3	12m	em

87 used exp 86 in auto program

4000
150 FC

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>3002</u>		Page: <u>4847</u>	
PI: <u>Geller/Kemner</u>			Date: <u>9/5/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
94	COMP			↑		delay @ 48"
95	523.052245	23:38	+12:30	3	15m	
96	COMP			↑		increasing clouds again
97	523.047523	23:33	+12:19	3	15m	OK
98	COMP			↑		
99-100	ZAN	23:33	+12:49	12	55, 60s	
101	COMP			↑		
102-104	AXPer	01:36	+54:15	12	60, 3m, 20s	
105	COMP			↑		
106	466.019217	01:05	+10:54	3	15m	
107	COMP			↑		decreasing clouds
108	466.020571	00:43	+10:58	3	10m	
109	COMP			↑		
110	466.020255	00:57	+10:59	3	10m	
111	COMP			↑		
112	466.020623	00:53	+11:10	3	9m	
113	COMP			↑		
114	466.018466	00:48	+10:51	3	10m	
115	COMP			↑		
116	466.018115	00:43	+10:48	3	10m	
117	COMP			↑		
118	466.019778	01:03	+10:49	3	10m	
119	COMP			↑		
120	466.017591	00:51	+10:47	3	15m	
121	COMP			↑		
122	466.017177	00:58	+10:46	3	12m	
123	COMP			↑		
124	466.016966	01:08	+10:45	3	10m	
125	COMP			↑		
126	466.016729	00:45	+10:43	3	10m	

60 inch Telescope Log			Spectrograph: <u>EAST</u>		Page: <u>4848</u>	
Observer: <u>PIB</u>			Grating: <u>3002</u>			
PI: <u>Geller & Kenyon & Wilkes</u>			Date: <u>9/5/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
127	COMP			↑		
128	466.015625	00:44	+10:39	3	10m	
129	COMP			↑		
130	466.014845	01:08	+10:37	3	11m	
131	COMP			↑		
132	466.022541	00:49	+11:01	3	12m	
133	COMP			↑		
134	466.022168	00:54	+11:10	3	10m	
135	COMP			↑		
136	466.023712	00:59	+11:13	3	9m	
137	COMP			↑		
138	466.0244095	00:52	+11:15	3	10m	em
139	COMP			↑		
140-141	DL Tau	04:33	+25:20	12	1m, 3m	
142				↑		
143-144	DR Tau	04:17	+16:58	12	10s, 2m	
145				↑		
146	AKn120	05:13	-00:12	6	2m	
147	COMP			↑		
148	Fe1324	02:32	+03:20	0	3m	
149	COMP			↑		
150-152	HD12623	02:02	+62:56	0	5s	
157	COMP			↑		
154-156	HD13022	02:09	+58:46	0	5s	
157	COMP			↑		
155-160	HD12268N	02:11	+56:09	0	3s	
161-163	HD13268S	02:11	+56:09	0	3s	
164	COMP			↑		
165-167	HD14372	02:20	+47:18	0	2s	
168	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: A11

Spectrograph: FAST

Grating: 302

Date: 9/5/86

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
169-171	HD10309	01:41	+12:36	0	1s	
172	COMP			↑		
173-175	HD9826	01:36	+11:27	0	0.5s	
176	COMP			↑		
177-186	BIAS			0	0s	
187-196	FLAT			0	6s	
197-204	BIAS			0	0s	bin by 2
205-216	FLAT			0	12s	bin by 2
217-220	DARK			0	15m	
	NO DARKS IN FILE					