

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4571</u>	
Observer: <u>JWH</u>				Grating: <u>300L</u>			
PI: <u>Dr. W. W. W. W.</u>				Date: <u>4/25/96</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments	
1-10	BIAS			-	0		
11-13	DARK			-	900s		
14-23	BIAS			-	0		
24-34	FLAT			-	6		
35	DARK				900s		
36	COMP			↓			
37-41	SKY			0	5s	complete	
42	COMP			↓			
43-47	SKY			0	5s		
48-52	AGK2 p4328	09 49 20	+43 42 07	0	5s	Complete, out of focus	
53	COMP			↑			
54	EG 67	09 43 29	+44 48 33	0	100s	SDP scan	
55	COMP			↑			
56-57	Feig 34	10 36 41	+43 21 50	0	100s	SDP scan	
58	COMP			↑	1		
59	N2115	10 02 44	07 28 30	0	180s	Complete	
60	COMP			↑			
61	N3115	"	"	0	180s	"	
62	COMP			↑			
63	N3379	10 45 11	12 50 48	0	180s	"	
64	COMP			↑			
65	MvK 421	11 01 40	+38 28 43	6	120s	AGN	
66	COMP			↑			
67	N4051	12 00 36	+44 48 35	6	120	AGN	
68	COMP			↑			
69-70	N4151	12 08 07	+39 41 02	6	30s		
71	COMP			↑			
72	HZ 44	13 21 19	+36 23 38	0	120	SDP	
73	COMP			↑			
74	CG 210 p5620	09 21 00	+56 20	1	600		

unmatched objects (with COMOS): file 86, 181 + 182  
(telescope moving??)

60 inch Telescope Log				Spectrograph: <u>6AV?</u>		Page: <u>4572</u>	
Observer: <u>JPH</u>				Grating: <u>300</u>			
PI: <u>JPH</u>				Date: <u>4/25/80</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments	
75	comp			↑		}	
76	09 21 0 +56 20	"	"	↓	300		
77	comp			↑			
78	09 21 3 +56 06	09 21 18	+56 06	↓	600	}	
79	comp			↑			
80	09 21 3 +56 06	"	"	↓	600	} Longish	
81	comp			↑			
82	09 22 0 p 50 38	09 22 00	+50 38	↓	360		
83	comp			↑			
84	09 22 6 p 50 40	09 22 36	+50 40	↓	360		
85	comp			↑			
86	A 10 02 p 68 03	10 02 12	+68 03	↓	240	star	
87	comp			↑			
88	A 10 04 +70 50	10 04 42	+70 50	↓	180	star	
89	comp			↑			
90	N 32 48	10 34 12	+50 22	↓	240		
91	comp			↑			
92	10 41 2 p 53 01	10 41 12	+53 01	↓	200		
93	comp			↑			
94	N 32 14	10 19 48	+57 18	↓	240		
95	comp			↑			
96	N 32 36	10 23 24	+61 32	↓	200		
97	comp			↑			
98	10 26 1 p 55 26	10 26 06	+55 26	↓	240		
99	comp			↑			
100	10 34 6 p 55 16	10 34 26	+55 16	↓	300	}	
101	comp			↑			
102	10 34 6 p 55 16	"	"	↓	300		
103	comp			↑			
104	10 43 3 p 51 21	10 43 18	+51 21	↓	480	Hr	

104	comp			35	420	J
				↑		

60 inch Telescope Log

Observer: JPH

PI: JPH, RPK, JK, DK

Spectrograph: MOS

Grating: 300 L

Page: 4573

Date: 4/25/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	comp			↑		
106	12 226 p0445	12 <sup>h</sup> 22 36	+04 45	↓	600	edges
107	comp			↑		
108	13002 p0338	13 00 12	+03 38	↓	480	H <sub>2</sub>
109	comp			↑		
110	123615 m2702	12 36 15	-27 02	↓	240	] Sy2
111	comp			↑		
112	123615 m2702	"	"	↓	240	
113	comp			↑		
114	SN 1996 X	13 18 01	-26 50 45	↓	600 s	SN
115	comp			↑		
116	RW H <sub>2</sub>	13 34 17	-25 22	12	5s	
117	RW H <sub>2</sub>	"	"	12	60s	
118	comp			↑		
119	135557 m1553	13 55 57	-15 53	↓	300s	
120	comp			↑		
121	AWM2-09	12 13 09	+23 41 18	35	420	
122	comp			↑		
123	AWM2-03	12 12 42	+23 20 40	35	600	
124	comp			↑		
125	AWM2-07	12 13 05	+23 41 23	35	600	] pos H <sub>2</sub> at 6700 Å
126	comp			↑		
127	AWM2-07	"	"	35	600	
128	comp			↑		
129	AWM2-19	12 13 45	+24 21	35	600	H <sub>2</sub> ? at 6700
130	comp			↑		
131	AWM2-57	12 25 57	+03 52	35	600	] ]
132	comp			↑		
133	AWM2-57	"	"	35	420	
134	comp			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>JPK</u>			Grating: <u>300</u>		Page: <u>4574</u>	
PI: <u>JPK, Wilko, MSB, SA</u>			Date: <u>4/25/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
135	M4 279	13 51 53	+62 33 13	6	600	
136	COMP			↑		
137	N5548	14 15 43	+25 22 01	6	1200	
138	COMP			↑		
139	Felix 98	14 30 04	+27 42 38	0	1200	570 571-
140	COMP			↑		
141	322.082752	13 20 15	+31 20 54	3	420	
142	COMP			↑		
143	322.084366	13 19 45	+31 34	3	480	
144	COMP			↑		
145	322.084862	13 16 50	+31 37	3	480	H <sub>2</sub> !
146	COMP			↑		
147	322.085884	13 04 51	+31 41	3	480	
148	COMP			↑		
149	12910 p 7943	12 54 00	+79 43	1	240	
150	COMP			↑		
151	12200 p 7567	12 20 00	+75 07	2	280	
152	COMP			↑		
153	12205 p 6708	12 20 30	+67 08	1	240	
154	COMP			↑		
155	12182 p 7734	12 15 12	+77 34	1	300	H <sub>2</sub>
156	COMP			↑		
157	12178 p 7547	12 17 48	+75 47	1	240	}
158	COMP			↑		
159	12178 p 7547	"	"	1	240	
160	COMP			↑		
161	N4481	12 29	+64 03	1	300	H <sub>2</sub>
162	COMP			↑		
163	N5640	14 20 38	+80 07	1	240	
164	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>JAH</u>			Grating: <u>3rd</u>		Page: <u>456</u>	
PI: <u>JAH, Hagan, Wilke</u>			Date: <u>4/25/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
165	N 5620	14 22	+69 37	1	240s	
166	COMP			↑		
167	I 1049	14 38 21	+62 13	1	246	H $\alpha$
168	COMP			↑		
169	I 1099	15 05 35	+56 42	1	300	
170	COMP			↑		
171-2	C 5 Cyg	19 58 08	+35 42	12	29, 60s	
173	COMP			↑		
174, 5	Arco Cm 2	17 19 57	+57 50 03	12	60s, 480s	
176	COMP			↑		
177-79	V 4 Her	18 14 34	+60 59 14	12	2.5, 180	
180	COMP			↑		
181-2	V 433 Her	18 22 07	+23 27 15	12	3, 60s	24
183	COMP			↑		
184-5	CM Aql	19 03 35	-03 03 11	12	31, 60s	30
186	COMP			↑		
187-8	He 2-467	20 35 57	+20 11 29	12	31, 120s	39
189	COMP			↑		
190-91	He 2-468	20 41 19	+34 44 48	12	10s, 180	40
192	COMP			↑		
193-194	V 1329 Cyg	20 50 58	+35 36 32	12	5, 120s	41
195	COMP			↑		
196-7	V 467 Cyg	21 02 05	+45 48 19	12	5, 180s	42
198	COMP			↑		
199	N 5712	14 29 28	+78 53	1	240s	
200	COMP			↑		
201-210	BIAS	-	-	0	0	
211-220	FLAT	-	-	0	6s	
221-3	DARK			0	900s	

196 - object not on slit