

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>2368</u>
Observer: <u>CALKINS</u>				Grating: <u>600 Lpm</u>		
PI: <u>Koutaneck et al, Kirchner</u>				Date: <u>5/21/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BEAS				0s	
21-30	FLAT				35s	
31-35	sky			#57	2s	
36	comp			↑	35s	
37	Feige 56	12 06	11 40	#56	2m	
38	comp			↑	35s	
39	Feige 56	12 06	11 40	#56	2m	PA = 17°, Tilt = 494
40	comp			↑	35s	$\lambda_c = 4900 \text{ \AA}$ , 2" slit
41-42	sn/999by	9 22	51 01	#2	10m	PA = -65
43	comp			↑	35s	
44	HD 11541	12 49	26 25	#88	N/A	2 rate
45	comp			↑	35s	
46	comp			↓	35s	
47-49	MFO 61	14 51	37 29	#88	15m	PA = 50°
50	comp			↑	35s	
51	comp			↓	35s	
52-54	MFO 74	11 58	21 15	#88	15m	PA = 80°
55	comp			↑	35s	
56-57	NGC 4697	12 48	-5 48	#88	5m	PA = 70°
58	comp			↑	35s	
59	HD 140716	15 43	32 31	#88	N/A	3 rate
60	comp			↑	35s	
61	comp			↓	35s	
62-64	MFO 85	17 29	10 37	#88	15m	PA = -35
65	comp			↑	35s	
66-67	MFO 86	17 30	35 22	#88	7.5m	PA = -39
68	comp			↑	35s	
69-70	MFO 92	18 12	39 37	#88	7.5m	PA = 54°
71	comp			↑	35s	

60 inch Telescope Log

Observer: CALKINS

PI: Kochanek et al

Spectrograph: FAST

Grating: 600 Lpm

Page: 7369

Date: 5/21/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
72-73	MFC91	18 05	34 45	#88	7.5	PA = -44
74	comp			↑	35s	
75	HD154084	17 02	25 31	#88	N/A	3 rate
76	comp			↑	35s	
77	comp			↓	35s	
78-80	MFO67	15 33	21 07	#88	15m	PA = 10
81	comp			↑	35s	
82	comp			↓	35s	
83-85	MFO84	17 29	40 14	#88	15m	PA = 17.0
86	comp			↑	35s	
87	HD153312	16 57	29 22	#88	N/A	2 rate
88	comp			↑	35s	
89-90	MFO87	17 30	16 16	#88	7.5m	PA = 59°
91	comp			↑	35s	
92	comp			↓	35s	
93-95	MFO93	18 17	33 48	#88	15m	PA = 86°, object east
96	comp			↑	35s	
97	comp			↓	35s	
98	MFO82	17 24	23 43	#88	15	PA = 44°
99	comp			↑	35s	
100-101	NGC7331	22 37	39 24	#88	5m	PA = -9
102	comp			↑	35s	
103	HD182762	19 25	19 47	#88	N/A	3 rate
104	comp			↑	35s	
105	CAOB2no9	20 33	41 15	#56	30s	PA = 90°
106	comp			↑	35s	
107	HD192281	20 12	40 16	#56	10s	PA = 90°
108	comp			↑	35s	
109-118	BIAS				0s	
119-128	FLAT				35s	
129-138	DARK				15m	