

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>73/66</u>
Observer: <u>CALKINS</u>				Grating: <u>600 LPM</u>		
PI: <u>Kochanek et al, Kirshner</u>				Date: <u>5/20/99</u>		
Number	Object	S.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	Binby 2, slit = 2"
11-20	BIAS				0s	Tilt = 742, 600 LPM
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°
40	comp			↑	35s	
41, 42	sm1999by	9 22	51 01	#2	10m	PA = -64°, Tilt = 742
43	comp			↑	35s	600 LPM, 2" slit
44	comp			↓	35s	
45-47	MFO29	12 19	24 10	#88	15m	PA = 34°
48	comp			↑	35s	
49	comp			↓	35s	
50-52	MFO24	11 58	21 14	#88	15m	PA = 79°
53	comp			↑	35s	
54	comp			↓	35s	
55-57	MFO59	14 44	22 44	#88	15m	PA = 39°
58	comp			↑	35s	
59	comp			↓	35s	
60-62	MFO90	18 09	23 10	#88	15m	PA = -17°
63	comp			↑	35s	
64-65	MFO94	18 20	38 09	#88	7.5m	PA = -50°
66	comp			↑	35s	(object "west")
67-68	MFO82	17 22	31 20	#88	7.5m	PA = 90°
69	comp			↑	35s	
70	comp			↓	35s	
71-73	MFO61	14 51	37 29	#88	15m	PA = 50°
74	comp			↑	35s	

60 inch Telescope Log

Observer: CALKINS

PI: Kochanek et al

Spectrograph: FAST

Grating: 600 LPM

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
75	BDP332642	15 51	22 56	"56	2m	PA=90°
76	comp			↑	35s	
77-78	MFO70	15 47	27 11	"88	7.5m	PA=54°
79	comp			↑	35s	
80	comp			↓	35s	
81-82	MFO92	18 12	39 37	"88	15m	PA=54°
83	comp			↑	35s	
84	comp			↓	35s	
85-86	MFO91	18 05	39 45	"88	15m	PA=-44°
87	comp			↑	35s	
88	comp			↓	35s	
89-90	MFO86	17 30	35 21	"88	15m	PA=-39°
91	comp			↑	35s	
92	comp			↓	↓	
93	MFO87	17 30	16 16	"88	15m	PA=60
94	comp			↑	35s	
95	HD192281	20 12	40 15	"56	7s	PA=90°
96	comp			↑	35s	
97-106	BIAS				0s	
107-116	FLAT				35s	
117-126	DARK				15m	