

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7364</u>	
Observer: <u>CAV. IAN</u>			Grating: <u>600 LPM</u>		Date: <u>5/19/99</u>	
PI: <u>Kochanek et al</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1, 2	DARKS				15m	600 lpm, 2" slit
3-12	BIAS				0s	494 tilt (abs)
13-22	FLATS				35s	
23	Floqz 34	10 39	43 06	#88	90s	
24	comp			↑	35s	
25	comp			↓	35s	
26-27	ZWJ110646	11 06	28 42	#88	15m	PA = 30° (MFO03)
28	comp			↑	35s	
29	comp			↓	35s	
30-32	ZWJ115212.54	11 52	16 51	#88	15m	PA = 80° (MFO23)
33	comp			↑	35s	
34	HD109519	12 35	21 53	#88	N/A	(forget comp)
35	comp			↓	35s	rate = 2
36-38	MFO29	12 19	29 11	#88	15m	PA = 35°
39	comp			↑	35s	
40	comp			↓	35s	
41-43	MFO59	14 44	22 43	#88	15m	PA = 39°
44	comp			↑	35s	
45	Foizc 98	14 38	27 30	#56	2m	PA = 90°
46	comp			↑	25s	
47-48	NGC 4839	12 57	27 30	#88	5m	
49	comp			↑	35s	
50	HD117876	13 32	24 20	#88	N/A	rate = 3
51	comp			↑	35s	
52	comp			↓	35s	
53-55	MFO94	18 20	38 09	#88	15m	PA = -50
56	comp			↑	35s	(object ~ 30" "width")
57-58	NGC 5846	15 06	01 36	#88	5m	PA = 90°
59	comp			↑	35s	
60	HD 155312	16 57	24 21	#88	N/A	

60 inch Telescope Log

Observer: CALYNS

PI: Kochanek et al

Spectrograph: FAST

Grating: 600 LPM

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Date: 5/19/99

Number	Object	R.A.	Dec.	L/R	EXP	Comments
61	comp			↑	35s	
62	MFO90	18 04	23 11	↑88	15m	PA = -16
63	comp			↓	35s	
64-65	MFO90	18 04	23 11	↑88	15m	PA = -16
66	comp			↑	35s	
67	HD156874	17 17	28 49	↑88	N/A	PA = 90°
68	comp			↑	35s	
69	comp			↓	35s	
70-71	MFO70	15 47	37 12	↑88	15m	PA = 55°
72	comp			↑	35s	
73	comp			↓	35s	
74-76	MFO82	17 22	31 20	↑88	15m	PA = 90°
77	comp			↑	35s	
78	comp			↓	35s	
79	MFO83	17 24	23 43	↑88	15m	PA = 45°, sun rising
80	comp			↑	35s	
81	HD183492	19 29	14 35	↑88	N/A	PA = 90°
82	comp			↑	35s	
83	HD192281	20 12	40 16	↑56	6s	↓
84	comp			↑	35s	
85-89	sky			↑57	2s	
90	comp			↑	35s	
91-100	FLAT				35s	
101-110	BIAS				0s	
111-125	DARKS				15m	