

60 inch Telescope Log

Spectrograph: FAST

Observer: CALICINS

Grating: 600L

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PI: Kochanek et al

Date: 10/9/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	BEAS				0s	
16-25	FLAT				5s	
26	HD175743	18 56	18 06	"88	N/A	guide rate = 3 1/6
27	comp			↑		
28	HD192281	20 12	40 15	"86	5s	PA = 45°
29	comp			↑		
30-31	NGC 7351	22 37	34 24	"88	3m	PA = -10°
32	comp			↑		
33	comp			↓		
34-36	MF3162	23 18	18 45	"88	15m	PA = 93°
37	comp			↑		seeing ~ 2"
38,39	MF2996	22 12	14 01	"88	7.5m	PA = 49°
40	comp			↑		
41,42	MF3058	22 48	27 37	"88	7.5m	PA = -7° <del>PA</del>
43	comp			↑		
44	comp			↓		
45-47	MF3110	23 04	20 04	"88	10m	PA = 0°
48	comp			↑		
49,50	MF2012	00 04	31 31	"88	7.5m	PA = -65°
51	comp			↑		
52	comp			↓		
53-55	MF3164	23 18	18 44	"88	10m	PA = -47°
56	comp			↑		
57,58	MF2038	00 15	46 06	"88	7.5m	PA = 95°
59	comp			↑		
60	HD202109	01 12	30 13	"88	N/A	guide rate = 3 1/6
61	comp			↑		
62,63	MB2	00 40	40 36	"88	3m	PA = -10
64	comp			↑		

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
65	comp			↓		
66-68	MF3062	22 50	12 01	#88	10m	PA = 35° bright star to west
69	comp			↑		(col 30-35°)
70, 71	MF2350	22 09	25 31	#88	7.5m	PA = 75°
72	comp			↑		
73	comp			↓		
74-76	MF2441	2 29	28 58	#88	15m	PA = 83°
77	comp			↑		
78	HD216131	22 50	24 35	#88	N/A	Guide rate = 3 1/3
79	comp			↑		
80, 81	NGC 0036	1 39	-7 31	#88	3m	PA = 0°
82	comp			↑		
83	PG 0310 p149	03 13	15 08	#56	10m	PA = -51°
84	comp			↑		seeing much worse
85	comp			↓		weak exposure
86-88	MF3250	23 48	27 22	#88	10m	PA = 100°
89	comp			↑		
90	comp			↓		
91-93	MF2031	00 14	28 33	#88	10m	PA = -59°
94	comp			↑		
95	comp			↓		
96-98	MF2288	01 54	36 24	#88	10m	PA = -59°
99	comp			↑		
100	comp			↓		
101-103	MF2430	2 28	32 23	#88	15m	PA = -70°
104	comp			↑		
105	comp			↓		
106-108	MF2399	2 22	25 58	#88	20m	PA = -80°, Bright foreground star, row
109	comp			↑		
110-111	MF2751	7 41	34 16	#56	7.5m	89

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
112	comp			↑		
113, 114	NGC1023	2 40	39 05	#88	3m	PA = 88°
117	comp			↑		
119	HD27348	4 20	34 34	#98	N/A	Guide rate = 3"/s
119	comp			↑		
120	HD48433	6 43	13 13	#48	N/A	Guide rate = 3"/s
121	comp			↑		
122-126	sky			#57	2s	
127	comp			↑		
128-132	RIAS				0.1	
138-147	FLAT				35s	
148-159	DARK				15m	