

60 inch Telescope Log

Spectrograph: FAST

Observer: CALKINS

Grating: 600L

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Date: 10/8/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	600 lpm, 2" slit
6-15	BIAS				0s	filter = 494 $\lambda_c = 4900 \text{ \AA}$
16-25	FLAT				35s	
26	BDP284211	21 51	28 52	$\pi 56$	40s	PA = $105^\circ$
27	comp			$\uparrow$		
28	HD156224	16 50	32 32	$\pi 56$	N/A	Guide rate = $3''/s$
29	comp			$\uparrow$		
30, 31	NGC 7331	22 37	34 24	$\pi 56$	3m	PA = $-9^\circ$
32	comp			$\uparrow$		
33, 34	MF3258	23 52	21 28	$\pi 88$	7.5m	PA = $-5^\circ$
35	comp			$\uparrow$		seeing going south
36	comp			$\downarrow$		
37-39	MF3145	23 13	16 47	$\pi 88$	20m	PA = $-60^\circ$
40	comp			$\uparrow$		
41	comp			$\downarrow$		
42-44	MF2091	00 38	29 32	$\pi 88$	15m	PA = $-25^\circ$
45	comp			$\uparrow$		
46	comp			$\downarrow$		
47-49	MF2024	00 12	22 21	$\pi 88$	10m	PA = $107^\circ$
50	comp			$\uparrow$		
51	HD198809	20 52	27 05	$\pi 88$	N/A	guide rate = $3''/s$
52	comp			$\uparrow$		
53	HD198809	20 52	27 05	$\pi 88$	N/A	redo of above
54	comp			$\uparrow$		seeing requires greater lateral separation
55, 56	M32	00 42	40 50	$\pi 88$	3m	PA = $-10^\circ$
57	comp			$\uparrow$		
58	comp			$\downarrow$		
59-61	MF2107	00 43	23 29	$\pi 88$	10m	PA = $101^\circ$
62	comp			$\uparrow$		
63, 64	MF2498	02 44	16 42	$\pi 88$	7.5m	PA = $-33^\circ$

1-8° } (bracketed next to rows 51-54)

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
65	comp			↑		
66	comp			↓		
67-69	MF2015	00 06	26 10	#88	15m	PA=9
70	comp			↑		
71	Feige 24	02 35	03 42	#56	2m	PA = -38
72	comp			↑		
73	HD 5516	00 57	23 25	#88	N/A	Guide rate = 3"/s
74	comp			↑		
75,76	NGC 1023	02 40	39 03	#88	2m	PA = 85°
77	comp			↑		
78	comp			↓		
79-81	MF2104	00 42	23 29	#88	15m	PA = 51°
82	comp			↑		
83	comp			↓		
84-86	MF2040	00 16	28 58	#88	15m	PA = 64.0°
87	comp			↑		
88	HD 3546	00 38	29 19	#88	N/A	Guide rate = 3"/s
89	comp			↑		
90	comp			↓		
91-93	MF2297	01 55	21 18	#88	10m	PA = 92°
94	comp			↑		
95-96	NGC 1700	4 56	-4 51	#88	3m	PA = 90°
97	comp			↑		
98	Hiltner 620	6 45	2 08	#56	2m	PA = 90°
99	comp			↑		
100	comp			↓		
101-103	MF2307	8 00	26 36	#88	10m	PA = -40° (not 90°)
104	comp			↑		
105,106	MF2597	3 59	21 47	#88	7.5m	
107	comp			↑		

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
108	comp			↓		
109-111	MF2842	8 09	19 29	π 88	10m	PA = -47°
112	comp			↑		
113-114	MF2384	2 18	38 04	π 88	7.5m	PA = -36°
115	comp			↑		
116	G191B2B	05 05	52 49	π 86	2.5m	PA = 91°
117	comp			↑		
118	HD34559	05 19	22 06	π 88	N/A	Guide rate = 3"/s
119	comp			↑		
120-124	sky			π 57	2s	
125	comp			↑		
126-135	BIAS				0s	
136-145	FLAT				35s	
146-155	DARK				15m	