

60 inch Telescope Log
 Observer: CALKINS
 PI: All, Muzerole, Kishner, Falco
 Spectrograph: FAST
 Grating: 300L
 Date: 3/10/99
 Page: 7113

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	BIAS				0s	
16-25	FLAT				6s	
26-35	BIAS				0s	
36-45	FLAT				12s	
46	Hittner 600	6 45	2 08	#56	2m	
47	comp			↑		
48	AGK2 p14783	7 20	14 54	#57	5s	
49	comp			↑		
50	AKN120	5 16	00 08	#60	3m	object to west
51	comp			↑		
52	MS2967	6 41	9 28	#82	20m	
53	comp			↑		
54-56	ML1816	6 40	9 47	#82	20m	
57	comp			↑		
58	MS2859	6 40	9 28	#82	15m	
59	comp			↑		
60	SN1999aa	8 27	21 29	#2	15m	PA = 22.0, object east
61	comp			↑		
62	PG0846p249	8 48	24 42	#56	2m	PA = 37°
63	comp			↑		
64	CG421p5142.5	6 45	51 42	#60	5m	object east
65	comp			↑		
66	CG425p4390.5	6 46	43 47	#60	7m	
67	comp			↑		
68	CG427p4352	6 46	42 49	#60	2m	
69	comp			↑		
70	CG433p7434	6 46	74 31	#60	2.5m	object east
71	comp			↑		
72	CG440p3340	6 47	33 35	#60	2.5m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>714</u>
Observer: <u>CALKINS</u>				Grating: <u>XOOL</u>		
PI: <u>FALCO</u>				Date: <u>3/10/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
73	comp			↑		
74	06448p0546	6 47	5 39	F60	1m	stellar?
75	comp			↑		
76	06467p2544	6 49	25 41	F60	7m	PA=69°
77	comp			↑		
78	06468p2545	6 49	25 42	F60	5m	object west, PA=69°
79	comp			↑		
80	06470p2626	6 50	26 22	F60	6m	PA=69°
81	comp			↑		
82	06470p2543	6 50	25 40	F60	5m	
83	comp			↑		
84	06475p3331	6 50	33 28	F60	4m	object west PA=69°
85	comp			↑		
86	06476p3330	6 50	33 26	F60	3m	
87	comp			↑		
88	06476p3335	6 50	33 31	F60	3m	
89	comp			↑		
90	06483p1258	6 51	12 55	F60	3m	
91	comp			↑		
92	06478p3335	6 51	23 31	F60	3m	
93	comp			↑		
94	06482p2649	6 51	26 46	F60	2.5m	
95	comp			↑		
96	06487p2733	6 51	27 28	F60	12m	central object
97	comp			↑		
98	06494p1518	6 52	15 14	F60	3m	object west
99	comp			↑		
100	06495p1519	6 52	15 14	F60	4m	
101	comp			↑		
102	06489p5715	6 53	57 10	F60	12m	

74 star; NO FUZZ ON SLIT

60 inch Telescope Log

Observer: CALKINSPI: Ali, Koranyi, TustinSpectrograph: FASTGrating: 300LPage: 7115Date: 3/10/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
103	comp			↑		
104	N3227	10 23	19 51	#6	3m	
105	comp			↑		
106	M421	11 04	38 12	#6	4m	
107	comp			↑		
108	N4151	12 10	39 24	#6	30s	
109	comp			↑		
110	N4258	12 18	47 18	#6	2m	
111	comp			↑		
112	mlw4-i.033	12 03	2 51	#35	12m	
113	comp			↑		
114	mlw4-i.034	12 01	00 58	#35	12m	
115	comp			↑		
116	mlw4-i.037	12 03	00 50	#35	17m	
117	comp			↑		
118	mlw4-i.038	12 06	00 36	#35	12m	
119	comp			↑		
120	mlw4-i.042	12 03	00 52	#25	20m	
121	comp			↑		
122	mlw4-i.044	12 09	01 50	#35	20m	redo? emission
123	comp			↑		
124	A1644D5003	12 58	-17 57	#81	6m	
125	comp			↑		
126	A1644D5004	12 57	-17 56	#81	15m	
127	comp			↑		
128	A1644D5009	12 54	-17 55	#81	12m	
129	comp			↑		
130	A1644D5025	12 55	-17 41	#81	15m	object east
131	comp			↑		
132	A1644D5028	12 58	-17 37	#81	20m	

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7116</u>	
Observer: <u>CALICINA</u>			Grating: <u>3000L</u>			
PI: <u>Justin, Ally, Hubert</u>			Date: <u>3/10/99</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
123	comp			↑		
134	MRK 279	13 52	69 17	#6	3m	
135	comp			↑		
136	SS1425pdx	14 26	60 25	#6	10m	
137	comp			↑		
138	NS548	14 17	25 07	#6	3m	
139	comp			↑		
140	2M144427.3p	14 44	12 15	#68	12m	
141	comp			↑		
142	2M145252.7p	14 52	12 21	#68	3m	
143	comp			↑		
144	2M144937.7p	14 49	18 42	#68	4m	
145	comp			↑		
146	2M145324.2p	14 53	18 28	#68	9m	clouds moving in
147	comp			↑		
148	2M143527.7p	14 35	23 31	#68	8m	
149	comp			↑		
150	2M145240.7p	14 52	21 58	#68	6m	
151	comp			↑		
152	2M144540.6p	14 45	14 03	#68	6m	
153	comp			↑		
154	2M145418.3p	14 54	17 43	#68	7m	clouds invade last hour!
155	comp			↑		
156-160	sky			#57	2s	
161	comp			↑		
162-171	BIGS				0s	
172-181	FLAT				6s	
182-191	BIGS				0s	
192-201	FLAT				12s	
202-211	DARK				15m	