

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>7136</u>
Observer: <u>CALKINS</u>		Grating: <u>300L</u>				Date: <u>6/19/99</u>
PI: <u>All, Kirshner, Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				12s	
31-40	BIAS				0s	
41-50	FLAT				6s	
51,52	H244	13 23	36 08	#56	2m	
53	comp			↑		
54,55	BDp332642	15 51	32 56	#56	2m	PA=105°
56	comp			↑		
57,58	BDp332642	15 51	32 56	#56	2m	PA=105°, Tilt=585
59	comp			↑		
60	sm1999cp	14 06	-5 26	#2	20m	PA=35, Tilt=585
61	comp			↑		
62	a2199.346806	16 29	40 39	#64	20m	seeing comes and goes
63	comp			↑		
64	.347405	16 30	40 35	#64	20m	
65	comp			↑		
66	.349996	16 36	40 42	#64	12m	stellar = yr #
67	comp			↑		
68	.351068	16 38	40 37	#64	8m	
69	comp			↑		
70	.359137	16 24	40 29	#64	10m	
71	comp			↑		
72	.36055	16 32	37 58	#64	15m	
73	comp			↑		
74	.362094	16 29	40 20	#64	20m	
75	comp			↑		
76	.362762	16 31	40 23	#64	15m	
77	comp			↑		
78	.363158	16 31	40 25	#64	15m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>CALVIN</u>				Grating: <u>300L</u>		Page: <u>7457</u>
PI: <u>Geller/Rinet, Kiehnner, Falco</u>				Date: <u>6/19/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
79	comp			↑		
80	.36717	16 25	37 57	#64	20m	seeing worse
81	comp			↑		
82	.3723	16 24	38 47	#64	20m	
83	comp			↑		
84	.373146	16 19	40 11	#64	20m	
85	comp			↑		
86	.374794	16 23	40 08	#64	20m	
87	comp			↑		
88	.374834	16 23	40 12	#64	12m	
89	comp			↑		
90	sn1999c0	21 03	-14 33	#2	20m	PA = 4°, Type II-P?
91	comp			↑		
92	N7331	22 36	34 24	#57	3m	PA = 90°
93	comp			↑		
94	19405p5030	19 41	50 35	#84	2m	
95	comp			↑		
96	19488m0223	19 51	-2 15	#84	4m	star west, sun rising
97	comp			↑		
98,99	BDp28421	21 51	28,51	#56	30s	
100	comp			↑		
101-105	sky			#57	2s	
106	comp			↑		
107-116	BIAS				0s	
117-126	FLAT				6s	
127-136	BIAS				0s	
137-146	FLAT				12s	
147-156	DARK				15m	