

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6873</u>
Observer: <u>CALKINS</u>				Grating: <u>300L</u>		Date: <u>1/11/99</u>
PI: <u>All, Kenyon</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	BIAS				0s	
16-25	FLAT				6s	
26-35	FLAT				20s	1.1" slit
36-45	BIAS				0s	3" slit !!
46-55	FLAT				12s	3" slit !!
56-60	sky			#57	2s	
61	comp			↑		clouds @ sunset
62	PG 0205p134	2 08	13 36	#56	3m	
63	comp			↑		
64	M31	00 42	41 16	#57	1m	
65	comp			↑		
66	MRK 335	00 06	20 11	#6	10m	thru clouds, PA=57°
67	comp			↑		
68	021905p570657	2 19	57 07	#80	8m	thru clouds
69	comp			↑		
70	021905p570954	2 19	57 09	#80	8m	↓
71	comp			↑		
72	021905p571006	2 19	57 10	#80	8m	very bright object to the east
73	comp			↑		
74	021906p570851	2 19	57 08	#80	2m	
75	comp			↑		
76	021906p570923	2 19	57 09	#80	15m	PA = 84° thru clouds (reds?) yes reds
77	comp			↑		wait out clouds
78-87	BIAS				0s	
88-97	FLAT				6s	
98-107	BIAS				0s	
108-117	FLAT				12s	
118-127	DARK				15m	