

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>6863</u>		
Observer: <u>CALKINS</u>		Grating: <u>3006</u>		Date: <u>01/09/99</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				60s	
26-35	FLAT				20s	1.1" slit
36-45	BIAS				0s	
46-55	FLAT				12s	
56	PG0205p134	2 08	13 36	#56	5m	weird spectra
57	comp			↑		
58	M31	00 42	41 16	#57	1m	
59	comp			↑		
60	MRK335	00 06	20 12	#6	3m	
61	comp			↑		
62	021847p57080	2 18	57 08	#80	20m	☉, extremely bright star to the east
63	comp			↑		
64	021849p570521	2 18	57 05	#80	4m	
65	comp			↑		
66	021849p571251	2 18	57 12	#80	2m	
67	comp			↑		
68	021849p57080	2 18	57 08	#80	3m	bright star to west
69	comp			↑		two stars to east
70	021849p570548	2 18	57 05	#80	1m	
71	comp			↑		
72	021849p570715	2 18	57 07	#80	50s	
73	comp			↑		
74	021849p570717	2 18	57 07	#80	30s	
75	comp			↑		
76	021849p570815	2 18	57 08	#80	10m	bright star to the east
77	comp			↑		
78	021849p570529	2 18	57 05	#80	30s	
79	comp					

60 inch Telescope Log

Observer: CALYANS

PI: Kenyon

Spectrograph: FAST

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
80	021850p570723	2 18	57 07	"80	15m	PA = 110°
81	comp			↑		(two stars east, 2 stars west)
82	021850p570836	2 18	57 08	"80	30s	star east
83	comp			↑		
84	021850p570831	2 18	57 08	"80	30s	dim star to the west
85	comp			↑		
86	021851p571253	2 18	57 13	"80	40s	PA = 110°
87	comp			↑		
88	021851p570941	2 18	57 09	"80	30s	PA = 90° !!
89	comp			↑		
90	021852p571008	2 18	57 10	"80	8m	
91	comp			↑		
92	021852p570949	2 18	57 09	"80	5m	
93	comp			↑		
94	021852p571312	2 18	57 13	"80	5m	PA = 110°
95	comp			↑		
96	021852p570830	2 18	57 08	"80	4m	PA = 80°
97	comp			↑		
98	021852p570641	2 18	57 06	"80	3m	
99	comp			↑		
100	021853p570820	2 18	57 08	"80	3m	
101	comp			↑		
102	021853p570618	2 18	57 06	"80	3m	
103	comp			↑		
104	021854p570738	2 18	57 07	"80	4m	
105	comp			↑		
106	021854p571214	2 18	57 12	"80	1m	
107	comp			↑		
108	021854p570927	2 18	57 09	"80	1m	
109	comp			↑		

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Spectrograph: FAST

Observer: Calkins Geller,

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PI: Kenyon, All, McClintock, Garcia,

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	021854p570937	2 18	57 09	#80	2m	
111	comp			↑		
112	021855p570952	2 18	57 09	#80	8m	central star in spectrum
113	comp			↑		
114	021855p570812	2 18	57 08	#80	3.5m	bright star east
115	comp			↑		
116	Akn 120	5 16	-00 09	#6	4m	PA = 3.0°
117	comp			↑		
118	comp			↓		
119, 120	10535p26	5 58	26 18	#104	30s	
121	comp			↑		
121, 123	HD39478	5 53	26 25	#104	10s	
124	comp			↑		
125-127	CI Cam	4 19	55 59	#107	2, 10, 20s	
128	comp			↑		
129	8GGem	6 03	27 41	#100	6m	star west
130	comp			↑		
131	05054p0650	5 05	6 50	#64	20m	very faint/star to the east
132	comp			↑		
133	050815p0741	5 08	7 42	#64	20m	
134	comp			↑		
135	051800p0457	5 18	4 56	#64	20m	faint
136	comp			↑		
137	051852p0533	5 18	5 33	#64	20m	
138	comp			↑		
139	052643p0809	5 26	8 09	#64	20m	PA = 110°!! (forgot to comment)
140	comp			↑		
141	052719p0828	5 27	8 28	#64	20m	PA = 110°
142	comp			↑		
143	052759p0851	5 28	6 51	#64	20m	PA = 110° - last one!!

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Observer: Calkins
 PI: Geller, Rines, All

Spectrograph: FAST

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
144	comp			↑		
145	mq5027.060	9 15	17 46	π 59	20m	PA = 90°
146	comp			↑		
147	027.062	9 15	17 55	π 59	15m	
148	comp			↑		
149	027.068	9 16	17 36	π 59	17m	
150	comp			↑		
151	027.071	9 16	17 50	π 59	6m	
152	comp			↑		
153	027.072	9 16	17 48	π 59	6 m	
154	comp			↑		
155	027.073	9 16	17 52	π 59	17m	
156	comp			↑		
157	027.074	9 16	17 08	π 59	12m	
158	comp			↑		
159	027.077	9 16	16 53	π 59	15 m	gal to the west
160	comp			↑		binby 2
161	027.078	9 16	17 56	π 59	15m	
162	comp			↑		
163	027.083	9 17	17 50	π 59	12m	
164	comp			↑		
165	027.086	9 17	16 43	π 59	12m	
166	comp			↑		
167	027.088	9 17	17 55	π 59	17m	
168	comp			↑		
169	027.090	9 17	17 02	π 59	20m	
170	comp			↑		
171	MRK 421	11 04	38 11	π 6	4m	PA = 60°, object to "east"
172	comp			↑		
173	M4051	12 03	44 52	π 6	2m	PA = 0.0°

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Observer: Calkins

PL: All, Huchra

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
174	comp			↑		
175	N4157	12 10	39 23	#6	45s	PA=10°
176	comp			↑		
177	N4258	12 18	47 18	#6	2m	PA=10°
178	comp			↑		
179	MIRK 279	13 52	69 17	#6	3m	PA=30°
180	comp			↑		
181	SBS1425p60h	14 26	60 24	#6	12m	PA=50°, clouds
182	comp			↑		
183	N5548	14 17	25 07	#6	5m	PA=69°
184	comp			↑		
185	2M135045	13 50	23 05	#68	15m	clouds
186	comp			↑		
187	2M134628	13 46	18 00	#68	8m	
188	comp			↑		
189	N3379	10 47	12 34	#57	70s	
190	comp			↑		
191, 192	Feige 34	10 39	43 06	#56	90s	
193	comp			↑		
194-198	sky			#57	5s	
199	comp			↑		
200-209	BIAS				0s	
210-219	FLAT				6s	
220-229	BIAS				0s	
230-239	FLAT				12s	
240-249	DARK				15m	