

60 inch Telescope Log
 Observer: CALEXSUS
 PI: All, Kirshner, Kenyon
 Spectrograph: FAST
 Grating: 300L
 Date: 10/30/99
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DIREX				15m	
11-20	BIAS				2x	
21-30	FLAT				7x	
31-40	BIAS				0x	
41-50	FLAT				14x	
51, 52	BDF 284211	21 51	28 51	#56	30s	
53	comp			↑		
54, 55	BDF 284211	21 51	28 51	#56	30s	
56	comp			↑		
57, 58	BDF 284211	21 51	28 51	#56	30s	PA = 73°
59	comp			↑		
60	N7331	22 37	24 25	#57	3m	
61	comp			↑		
62	N7331	22 37	24 25	#57	3m	
63	comp			↑		
64	Abn 56A	22 42	29 43	#6	5m	
65	comp			↑		
66	N7469	23 03	8 52	#6	2.5m	Row 74
67	comp			↑		
68	sn1999el	20 37	66 06	#2	10m	PA = -17°
69	comp			↑		
70, 71	ND154791	17 06	27 58	#12	1, 10x	
72	comp			↑		
73	Draw C1	17 20	57 50	#12	12m	
74	comp			↑		
75, 76	5180	10 39	-5 16	#12	3, 5m	
77	comp			↑		
78, 79	5169	19 50	46 15	#12	200/600	
80	comp			↑		
81, 82	V1413Agl	19 03	16 26	#12	200/600	

REDUCED IN 2 SETS:
 FILES 1-123
 + FILES 146-159 + 192-196

60 inch Telescope Log

Spectrograph: FAST

Observer: CALICIAS

Grating: 300L

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PI: Henry Rines, Bragg

Date: 10/30/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
83	comp			↑		
84 85	V443 Her	18 22	23 28	#12	40/400	
86	comp			↑		
87 88	V4 Her	18 14	21 00	#12	60/600	
89	comp			↑		
90	a119-166	00 54	03,34	#64	20m	
91	comp			↑		
92	a119-167	01 03	4 12	#69	20m	
93	comp			↑		
94	a119-169	00 41	-2 19	#64	20m	
95	comp			↑		
96	a119-170	00 41	00 16	#64	10m	
97	comp			↑		
98	021806	2 18	57 07	#83	3.5m	
99	comp			↑		
100	021808	2 18	57 08	#83	5m	
101	comp			↑		
102	021808	2 18	57 09	#83	3m	row 74
103	comp			↑		
104	021808	2 18	57 09	#83	8m	row 74
105	comp			↑		
106	021808	2 18	57 12	#83	6m	row 74
107	comp			↑		
108	021809	2 18	57 02	#83	3.5m	seeing getting bad
109	comp			↑		
110	021809	2 18	57 04	#83	9m	
111	comp			↑		
112	021809	2 18	57 06	#83	10m	row 74
113	comp			↑		
114	021810	2 18	57 06	#83	15m	row 73

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>CALVIN S</u>				Grating: <u>300L</u>		Page: <u>2720</u>
PI: <u>Bragg, Wolf, Kirshner, Calvet</u>				Date: <u>10/30/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
115	comp			↑		
116	021810	2 18	57 11	#83	5m	
117	comp			↑		
118	021811	2 18	57 09	#83	9m	row 74
119	comp			↑		
120	021813	2 18	57 12	#83	15m	row 74
121	comp			↑		
122	sn1999dq	2 33	20 58	#2	20m	row 74
123	comp			↑		
124-133	FLAT				14s	600 lpm, 748 - tilt
124	MBM12.352	3 02	17 10	#110	11m	2" slit
135	comp			↑		row 26 !!
136	12.353	2 58	19 47	#110	17m	terrible seeing
137	comp			↑		
138	12.354	2 58	19 45	#110	20m	
139	comp			↑		
140	12.355	2 58	19 49	#110	15m	
141	comp			↑		
142	12.356	3 02	17 19	#110	17m	
143	comp			↑		
144	12.357	3 02	17 00	#110	15m	
145	comp			↑		Normal setup
146-148	sn1999em	4 41	-2 51	#2	8m	PA=6°, 73" seeing
149	comp			↑		(increase exp)
150-152	gysola 41189	5 16	-1 15	#112	10m	
153	comp			↑		
154	1637485	5 26	-00 15	#112	15m	
155	comp			↑		
156-158	sn1999em	4 41	-2 53	#2	10m	Tilt=502, PA=31°
159	comp			↑		

no flats for these!

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7721</u>	
Observer: <u>CALYNS</u>			Grating: <u>3002L</u>			
PI: <u>Colvet, All</u>			Date: <u>10/30/99</u>			
Number	Object	B.A.	Dec.	L/R	Exp	Comments
160	Hiltner 600	6 45	2 08	#56	45s	PA=0, Tilt=50°
161	comp			↑		
162	gcnb47116	5 38	00 04	#112	12m	normal setup
163	comp			↑		
164	1a41404	5 16	-1 26	#112	10m	seeing improving ↑
165	comp			↑		
166	1b41594	5 26	00 40	#112	11m	
167	comp			↑		
168	nb48113	5 39	00 04	#112	12m	
169	comp			↑		
170	1a43212	5 19	-1 35	#112	11m	will get again
171	comp			↑		(low cts)
172,173	Hiltner 600	6 45	2 08	#56	45s	
174	comp			↑		
175,176	Hiltner 600	6 45	2 08	#56	45s	
177	comp			↑		
178	AGK2p14783	7 20	14 53	#57	5s	
179	comp			↑		
180	AGK2p14783	7 20	14 53	#57	5s	
181	comp			↑		
182-191	FLAT				14s	Tilt = 50°
192-196	sky			#57	7s	
197	comp			↑		
198-207	BIAS				0s	
208-217	FLAT				7s	
218-227	BIAS				0s	
228-237	FLAT				14s	
238-247	DARK				15m	