

60 inch Telescope Log
 Observer: Calkins
 PI: CARTER
 Spectrograph: FAST
 Grating: 300 L / 3" slit Page: 6223
 Date: 5/1/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARKS				15m	binby 4
11-20	BIAS'S				0s	
21-30	FLAT'S				6s	
31-40	BIAS'S				0s	binby 2
41-50	FLAT'S				12s	
51-55	skys			57	2s	binby 4
56	comp			↑		
57	GDI40	11 37	29 47	#56	90s	
58	comp			↑		
59	N3379	10 47	12 35	#57	60s	
60	comp			↑		
61	B000090	12 05	28 22	#75	12m	
62	comp			↑		
63	Z011674	12 06	31 57	#75	4m	
64	comp			↑		
65	A000748	12 06	27 56	#75	4m	
66	comp			↑		
67	Z001201	12 06	28 10	#75	3m	
68	comp			↑		12 06 38 + 28 10 41
69	Z008573	12 07	32 04	#75	3m	12 07 15 + 32 04 52
70	comp	moving?		↑		12 07 30 + 31 20 51
71	N002950	12 07	31 20	#75	3m	12 07 30 + 31 20 55
72	comp			↑		12 07 30 + 31 20 55
73	N000309	12 09	31 14	#75	3m	
74	comp			↑		
75	Z000188	12 09	29 55	#75	5m	
76	comp			↑		
77	N000158	12 10	26 25	#75	3m	
78	comp			↑		
79	Z000342	12 10	30 24	#75	1m	

shift from 68 to 70 is -0.05 pixels
 shift from 70 to 72 is -0.008 pixels
 used file 72 for 69

60 inch Telescope Log

Observer: Colkins

PI: Carver/Kirchner

Spectrograph: FAST

Grating: 200L/3" slit

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
80	comp			↑		
81	Z010024	12 10	31 39	#75	5m	
82	comp			↑		
83	Z010025	12 11	27 38	#75	5m	
84	comp			↑		
85	Z000940	12 13	28 30	#75	4m	star in slit to the east
86	comp			↑		
87	Z001203	12 14	28 25	#75	2m	
88	comp			↑		
89	Z010026	12 15	26 53	#75	2m	
90	comp			↑		
91	N000310	12 15	28 10	#75	3m	
92	comp			↑		
93	A000749	12 15	27 00	#75	3m	
94	comp			↑		
95	Z003475	12 15	26 39	#75	7m	
96	comp			↑		
97	Z010027	12 15	27 26	#75	4m	
98	comp			↑		
99	B000227	12 16	28 08	#75	15m	
100	comp			↑		
101	sn1998ag	11 56	55 07	#2	10m	galactic disk to the east
102	comp			↑		
103	sn1998bn	12 29	-23 09	#2	10m	" " "
104	comp			↑		
105	sn1998ab	12 48	41 55	#2	15m	
106	comp			↑		
107	H2 44	13 23	46 07	#56	2m	
108	H2 44	13 23	36 07	#56	2m	
109	comp			↑		

60 inch Telescope Log
 Observer: Calkins
 PI: Carter

Spectrograph: FAST
 Grating: 500L/2" et.
 Date: 5/1/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	Z000080	12 18	28 10	#75	30s	kinby 4
111	comp			↑		(for files 110-115)
112	Z000204	12 18	29 49	#75	3m	forgot to update
113	comp			↑		comment field to
114	Z003007	12 19	28 18	#75	2m	reflect kinby 4!
115	comp			↑		
116	N0002260	12 19	29 53	#75	20m	
117	comp			↑		
118	N000239	12 19	30 20	#75	3m	
119	comp			↑		
120	N000120	12 19	27 37	#75	4m	
121	comp			↑		
122	Z005395	12 20	27 58	#75	4m	
123	comp			↑		
124	N000361	12 20	31 10	#75	5m	
125	comp			↑		
126	N000871	12 21	28 09	#75	3m	
127	comp			↑		
128	N000280	12 21	30 04	#75	2m	
129	comp			↑		
130	Z012726	12 22	28 25	#75	2m	
131	comp			↑		
132	A000114	12 22	32 05	#75	20m	bright star to the
133	comp			↑		east 12:22:05 +32:05:53
134	Z000081	12 22	29 53	#75	1m	12:22:35 +29:53:44
135	comp	moving?		↑		12:23:22 +29:40:47
136	Z010029	12 23	27 23	#75	3m	
137	comp			↑		12:23:50 +27:23:54
138	Z007381	12 23	28 12	#75	4m	
139	comp			↑		

slit between 133 + 135 in 0.0269 used 133 for ^{comp}
 slit between 135 + 137 in 0.027 134
 " " 133 + 137 in .054

60 inch Telescope Log

Observer: Calkins

PI: Carter/Walkers/Huchra

Spectrograph: FAST

Grating: 300 L/3" slit

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Date: 5/1/98

Number	Object	R. A.	Dec.	L/R	Exp	Comments
140	Z001472	12 24	31 31	" 75	5m	
141	comp			↑		
142	N000176	12 25	28 33	" 75	3m	
143	comp			↑		
144	N0002262	12 25	26 42	" 75	20m	
145	comp			↑		
146	B000019	12 25	27 32	" 75	20m	
147	comp			↑		
148	MRK 279	13 53	69 18	" 6	3m	
149	comp			↑		
150	N5548	14 17	25 08	" 6	3m	
151	comp			↑		
152	N4258	12 18	47 18	" 6	2m	
153	comp			↑		
154	SR51425p606	14 26	20 26	" 6	10m	
155	comp			↑		
156	N4151	12 10	39 24	" 6	30s	
157	comp			↑		
158	N4051	12 03	44 32	" 6	3m	HABY
159	comp			↑		
160	MRK 501	16 53	39 45	" 6	5m	star partially in slit to the east
161	comp			↑		
162	ZM160542.5p	16 05	13 21	" 68	15m	
163	comp			↑		
164	ZM160537.4p	16 05	13 40	" 68	15m	
165	comp			↑		
166	ZM160515.4p	16 05	19 16	" 68	8m	
167	comp			↑		
168	ZM160515.8p	16 05	13 54	" 68	8m	
169	comp			↑		

60 inch Telescope Log

Observer: Calkins

PI: Muchra/Wilkes/Kirshner

Spectrograph: FAST

Grating: 3000/3" sl.

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
170	2M160532.2p	16 05	16 49	¹⁵ 68	15m	star in slit to
171	comp			↑		the east
172	sm 1998 bp	17 54	18 19	¹⁵ 2	15m	binby 2
173	comp			↑		
174	sm 1998 V	18 22	15 42	¹⁵ 2	20m	
175	comp			↑		
176	3C390.3	18 42	79 45	¹⁵ 6	10m	binby 4
177	comp			↑		(forgot to update
178	AG Dra	16 01	66 47	¹⁵ 12	30s	"binby 4" in file
179	AG Dra	16 01	66 47	¹⁵ 12	30s	headers)
180	comp			↑		
181-183	sky's	zenith		57	90s	
184	comp			↑		
185-194	BIAS's				0s	binby 4
195-204	FLAT's				6s	
205-214	BIAS's				0s	binby 2
215-224	FLAT's				12s	
225-234	DARKS				15m	binby 2