

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>6324</u>		
Observer: <u>B. Carter</u>		Grating: <u>300 Å, 3" slit</u>		Date: <u>6-15-98</u>		
PI: <u>Kirchner, Carter, Wilkes</u>				<u>clear, breezes</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0	bin by 4
11-20	BIAS				0	bin by 2
21	DARK				15m	" " 4 (behind schedule)
22-31	FLAT				6s	" " 4
32-41	FLAT				12s	" " 2
42	N4853			#57	<del>6s</del> 3 min	bin by 4
43	COMP			↑	6s	"
44	sn1998bu	10:46	+11:50	#2	5 min	bin by 2
45	COMP			↑	12s	
46, 48	sn1998bu	"	"	#2	5 min	
47, 49	COMP			↑	12s	
50, 52	sn1998s	11:46	+47:28	#2	10 min	
51, 53	COMP			↑	12s	
54	Feige 67	12:39	+17:47	#56	5 min	
55	COMP			↑	12s	
56	Z011697	13:03	+27:59	#75	200s	bin by 4
57	COMP			↑	6s	
58	Z011698	13:04	+28:14	#75	3m	
59	COMP			↑	6s	
60	N002959	13:04	+27:18	#75	7m	
61	COMP			↑		
62	Z010042	13:04	+26:40	#75	5m	
63	COMP			↑		
64	Z002074	13:05	+27:34	#75	3m	
65	COMP			↑		
66	Z007393	13:05	+31:59	#75	4m	
67	COMP			↑		
68	N4051	12:00	+44:48	#6	2m	
69	COMP			↑		
70	N4151	12:08	+39:41	#6	30s	
71	COMP			↑		

problems with FAST power supply & shutter (fixed late afternoon)

reports → (behind schedule)

printing and focus both were way off! Had to go to a bright star.

60 inch Telescope Log  
 Observer: B. Carter  
 PI: Wilkes, Carter  
 Spectrograph: FAST  
 Grating: 300 Å, 3" slit, binby4 Page: 6325  
 Date: 6/15/98 clear, moon

Number	Object	R. A.	Dec.	L/R	Exp	Comments
72	N 4258	12:16	+47:34	#6	2m	binby4
73	COMP			↑		
74	MRK 279	13:51	+69:33	#6	3m	
75	COMP			↑		
76	SPS 1425 p 606	14:25	+60:39	#6	10m	
77	COMP			↑		
78	N 5548	14:15	+25:22	#6	3m	
79	COMP			↑		
80	MRK 501	16:53	+39:45	#6	5m	
81	COMP			↑		
82	Z 000944	13:05	+27:44	#75	5m	
83	COMP			↑		
84	Z 004622	14:27	+30:56	#75	5m	
85	COMP			↑		
86	O 000080	14:27	+29:57	#75	9m	
87	COMP			↑		
88	A 000477	14:27	+26:30	#75	6m	
89	COMP			↑		
90	N 002969	14:28	+26:56	#75	10m	
91	COMP			↑		
92	Z 010057	14:28	+27:15	#75	5m	airmass 1.23. Galaxy aligned along slit
93	COMP			↑		
94	Z 001475	14:28	+27:24	#75	2m	big bright spiral (Sa)
95	COMP			↑		
96	Z 013793	14:28	+30:38	#75	9m	Spiral/Err edge on <del>it</del> (satellite passed thru W. side of chip - Mill)
97	COMP			↑		
98	Z 003488	14:28	+30:24	#75	10m	(SB) tracking not very good with autoguider - star too faint? (5cm) airmass 1.29
99	COMP			↑		
100	PG 1708 p 602	17:08	+60:13	#56	90s	airmass 1.15
101	COMP			↑		

60 inch Telescope Log

Observer: B. Carter

PI: Huchra, Melidoni

Spectrograph: FAST

Grating: 200L, 3" slit, binby4 Page: 6326

Date: 6/15/98

clear, moon

Number	Object	R.A.	Dec.	L/R	Exp	Comments
102	2M173532.4p.20309	17:35	+20:30	#68	7m	airmass 1.02 * object is to E, star to W
103	COMP			↑		
104	2M173543.7p.	17:35	+18:52	#68	6m	1.03
105	COMP			↑		
106	2M173541.1p.	17:35	+18:34	#68	10m	star to W
107	COMP			↑		
108	2M174526.8p.	17:45	+17:29	#68	7m	
109	COMP			↑		
110	2M174959.3p.	17:49	+18:26	#68	6m	star to far W
111	COMP			↑		
112	nrgs 385.020	16:16	+35:20	#59	7m	could have been longer
113	COMP			↑		
114	nrgs 385.021	16:16	+35:42	#59	6m	
115	COMP			↑		
116	3C390.3	18:45	+79:43	#6	10m	
117	COMP			↑		
118	nrgs 385.025	16:16	+34:55	#59	8m	
119	COMP			↑		
120	nrgs 385.026	16:17	+34:09	#59	5m	
121	COMP			↑		
122	nrgs 385.027	16:17	+34:52	#59	5m	
123	COMP			↑		
124	nrgs 385.028	16:17	+35:30	#59	5m	airmass 1.29
125	COMP			↑		
126	nrgs 385.029	16:17	+34:52	#59	6m	broad tenuous disk of unrelated galaxy to W. May be hard to separate from sky background off
127	COMP			↑		
128	nrgs 385.031	16:17	+34:47	#59	5m	
129	COMP			↑		
130	nrgs 385.030	16:17	+34:43	#59	5m	
131	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6327</u>
Observer: <u>B. Carter</u>				Grating: <u>300 Å, 3" slit</u>		Date: <u>6/15/98</u>
PI: <u>Mahdavi, Riaz, Kenyon, Huchra</u>				clear, moon		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
132	nrqs 385.032	16:17	+34:54	#59	4m	binby4
133	COMP			↑		
134	E 34491	16:25	+37:55	#64	8m	star to W? <i>should have been larger</i>
135	COMP			↑		
136	E 34528	16:25	+37:51	#64	5m	
137	COMP			↑		
138	E 345522	16:27	+40:40	#64	7m	
139	COMP			↑		
140	E 345828	16:28	+40:41	#64	6m	
141	COMP			↑		
142	HD192281	20:12	+40:07	#56	30s	airmass 1.01 ( <sup>too</sup> bright!)
143	COMP			↑		
144	HD192281	"	"	#56	5s	
145	COMP			↑		
146	HD192281	"	"	#56	2s	
147	COMP			↑		
148	HD192281	"	"	#56	5s	binby2
149	COMP			↑	12s	↓
150	HD192281	"	"	#56	5s	
151	COMP			↑	12s	
152	Cyg OB2m9	20:31	+41:04	#56	15s	binby4
153	COMP			↑		
154	MRK 509	20:41	-10:54	#6	3m	
155	COMP			↑		
156, 157	CICyg	19:50	+35:41	#12	1s, 30s	
158	COMP			↑		
159	2M180258.3p..	18:02	+19:59	#68	10m	needs a little more airmass 1.33 star to extreme!
160	COMP			↑		
161	2M173522.7p..	17:35	+21:06	#68	8m	1.52
162	COMP			↑		

60 inch Telescope Log

Observer: T. Carter

PI: Huchra, Wilkes

Spectrograph: FAST

Grating: 300A, 3" slit, binby 4 Page: 6328

Date: 6/15/98 clear, moon

Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	2M180314.9p-	18:03	+23:21	#68	9m	star to E? 1.4
164	COMP			↑		
165	N7469	23:03	+08:52	#6	150s	sky getting bright
166	COMP			↑		star to E
167	BDp 284211	21:48	+28:37	#56	20s	
168	COMP			↑		
169, 170	Z And	23:33	+48:49	#12	2s, 20s	airmass 1.11
171	COMP			↑		
172-176	sky				10s	
177	COMP			↑		
178-187	BIAS				0s	
188-197	FLAT				6s	
198-207	BIAS				0	binby 2
208-217	FLAT				12s	
218-221	DARK (see also frame #21)				15m	binby 4 still see elevated de level at red end
222-226	DARK				15m	binby 2