


60 inch Telescope Log		Spectrograph: <u>FAST</u>		PA 90°		
Observer: <u>B. Carter</u>		Grating: <u>300A, 3" slit, binby 4</u>		Page: <u>6246</u>		
PI: <u>Kirshner, Wilkes, Carter</u>		Date: <u>6/19/98</u>		clear		
Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0	
11-20	FLAT				6s	
21-30	BIAS				0	
31-40	FLAT				12s	} binby 2
41-45	DARK				15m	
46-50	DARK				15m	
51-55	sky	zenith			1s	
56	COMP			↑	6s	
57-61	sky				3s	} binby 2
62	COMP			↑	12s	
63,64	H244	13:23	+36:08	#56	2m	
65	COMP			↑	6s	
66	H244	"	"	#56	3m	} binby 2
67	COMP			↑	12s	
68-70	SN 1998bu	10:46	+11:50	#2	5m	
71	COMP			↑	12s	
72,73	SN 1998S	11:46	+47:28	#2	10m	some galaxy to W. → 
74	COMP			↑	12s	
75	N4151	12:08	+39:41	#6	30s	
76	COMP			↑	6s	
77	N4258	12:16	+47:34	#6	2m	
78	COMP			↑		
79	Z013776	13:45	+26:46	#75	10m	185
80	COMP			↑		
81	Z004619	13:47	+30:20	#75	5m	186
82	COMP			↑		
83	Z013777	13:48	+31:27	#75	5m	187
84	COMP			↑		
85	B000 128N	13:48	+28:14	#75	10m	is it one galaxy up, two or two? ¹⁸⁸
86	B000 128 S	"	"	"	10m	← star to far W.
87	COMP			↑		

60 inch Telescope Log

Observer: B. Carter

PI: Carter

Spectrograph: FAST

Grating: 300L, 3" slit, binlog4 Page: 6347

Date: 6/19/98 clear, windy

Number	Object	R.A.	Dec.	L/R	Exp	Comments
88	Z 013778	13:48	+26:35	#75	5m	189
89	COMP			↑		
90	Z 005414	13:50	+28:08	#75	5m	190
91	COMP			↑		
92	Z 011718	13:53	+31:48	#75	4½m	191
93	COMP			↑		
94	Z 008597	13:54	+30:50	#75	4½m	192
95	COMP			↑		
96	N 002273	13:54	+30:51	#75	6m	193
97	COMP			↑		
98	Z 013780	13:55	+31:16	#75	7m	194
99	COMP			↑		
100	A 000750	13:56	+28:32	#75	4m	195
101	COMP			↑		
102	A 000946	13:56	+28:30	#75	4m	196
103	COMP			↑		
104	N 002965	14:00	+27:46	#75	6m	200
105	COMP			↑		
106	Z 005415	14:00	+31:53	#75	9m	Err 201
107	COMP			↑		
108	Z 007407	14:00	+30:04	#75	4½m	Sa 202
109	COMP			↑		
110	Z 013782	14:01	+28:17	#75	4½m	E 203
111	COMP			↑		
112	N 002966	14:01	+28:33	#75	4½m	204
113	COMP			↑		
114	Z 004012	14:03	+28:02	#75	3m	 205
115	COMP			↑		
116	B 000129	14:04	+27:54	#75	10m	206
117	COMP			↑		

60 inch Telescope Log

Observer: B. Carter

PI: Carter, Wilkes

Spectrograph: FAST

Grating: 300 Å, 3" slit, bin by 4 Page: 6348

Date: 6/19/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
118	Z 011720	14:04	+28:35	# 75	4 1/2 m	207
119	COMP			↑		
120	Z 013783	14:04	+30:44	# 75	5m	208
121	COMP			↑		
122	Z 011721	14:04	+31:03	# 75	6m	209
123	COMP			↑		
124	Z 013784	14:05	+30:46	# 75	5m	210
125	COMP			↑		
126	Z 008598	14:07	+29:52	# 75	5m	211
127	COMP			↑		
128	Z 013785	14:10	+26:48	# 75	4 1/2 m	212
129	COMP			↑		
130	Z 011722	14:11	+31:55	# 75	8m	star to W 213
131	COMP			↑		
132	Z 004013	14:13	+27:00	# 75	7m	216
133	COMP			↑		
134	MRK 279	13:52	+69:21	# 6	3m	7
135	COMP			↑		
136	N 5548	14:15	+25:22	# 6	3m	9
137	COMP			↑		
138	Z 013787	14:13	+31:33	# 75	7m	217
139	COMP			↑		
140	N 002968	14:14	+30:36	# 75	8m	218
141	COMP			↑		
142	N 002274	14:16	+32:07	# 75	5m	219
143	COMP			↑		
144	Z 013788	14:16	+26:28	# 75	5m	underexposed 220
145	COMP			↑		
146	Z 011727	14:26	+26:51	# 75	9m	223
147	COMP			↑		

60 inch Telescope Log

Observer: B. Carter

PI: Carter, Geller, Kenyon

Spectrograph: FAST

Grating: 300R, 3" slit, binby 4 Page: 6349

Date: 6/19/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
148	N 002970	14:29	+30:04	#75	12m	Faint! 246
149	COMP			↑		
150	N 000281	14:29	+30:01	#75	3m	247
151	COMP			↑		
152	Z 004015	14:29	+30:49	#75	3m	248
153	COMP			↑		
154	Z 014162-15.50	15:32	+44:32	#64	4m	special request
155	COMP			↑		
156	Z 014162-A	15:32	+44:32	#64	4½m	
157	COMP			↑		
158, 159	AG Dra	16:01	+66:48	#12	25,20s	
160	COMP			↑		
161	Z 007412	15:05	+28:19	#75	4m	301
162	COMP			↑		
163	Z 010065	15:05	+31:09	#75	10m	302
164	COMP			↑		
165	N 002974	15:08	+27:58	#75	5m	303
166	COMP			↑		
167	Z 013798	15:08	+30:10	#75	6m	Irr 304
168	COMP			↑		
169	A 000230	15:09	+26:30	#75	3½m	airmass 1.95 305
170	COMP			↑		
171	Z 004624	15:10	+31:53	#75	3½m	airmass 1.89 306
172	COMP			↑		
173	Z 005423	16:15	+26:37	#75	4m	390
174	COMP			↑		
175	N 002279	16:15	+28:09	#75	8m	airmass 1.49 391
176	COMP			↑		
177	Z 002688	16:15	+31:57	#75	5m	392
178	COMP			↑		

60 inch Telescope Log

Observer: B. Carter

PI: Carter, Huchra, Kenyon

Spectrograph: FAST

Grating: 300, 3", binby 4

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Date: 6/19/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
179	Z 008613	16:15	+31:24	#75	8m	393
180	COMP			↑		
181	N.021070	16:16	+27:14	#75	5m	394
182	COMP			↑		
183,184	HD192281	20:10	+40:07	#56	2s	27
185	COMP			↑		
186	Cyg OB2 no 9	20:31	+41:04	#56	20s	28
187	COMP			↑		
188	Z 007419	16:17	+31:11	#75	5m	395
189	COMP			↑		
190	Z 010080	16:19	+31:16	#75	5m	396
191	COMP			↑		
192	A 000953	16:21	+32:20	#75	6m	barred gal, bar along slit 397
193	COMP			↑		
194	Z 005424	16:21	+28:38	#75	10m	398
195	COMP			↑		
196	Z 013624	16:23	+26:32	#75	9m	399
197	COMP			↑		
198	Z 011748	16:24	+30:09	#75	7m	400
199	COMP			↑		
200	2M174550.7p.	17:45	+21:28	#68	15m	faint! star to W 30
201	COMP			↑		
202	2M171005.7p.	17:50	+21:48	#68	15m	31
203	COMP			↑		
204,205	BDp 284211	21:48	+28:37	#56	20s	
206	COMP			↑		
207,208	CICyg	19:50	+35:41	#12	1s, 30s	
209	COMP			↑		
210	N7331	22:34	+34:09	#57	4m	
211	COMP			↑		

60 inch Telescope Log	Spectrograph: <u>FAST</u>
Observer: <u>B. Carter</u>	Grating: <u>300 Å, 3", binby4</u> Page: <u>6351</u>
PI: <u>Wilkes, Kenyon</u>	Date: <u>6/19/98</u> <i>clear, calm</i>

Number	Object	R.A.	Dec.	L/R	Exp	Comments
212	N7469	23:03	+08:52	#6	2½ m	star to E
213	COMP			↑		
214, 215	E And	23:33	+48:49	#12	6s, 20s	
216	COMP			↑		
217, 218	AX Per	1:36	+54:15	#12	4s, 20s	
219	COMP			↑		
220-229	BIAS	(zenith)			0	} incorrect program # } binby2
230-239	FLAT				6s	
240-249	BIAS				0	
250-259	FLAT				12s	