

*FAST*  
*to Susan Takatz*  
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60 inch Telescope Log

Observer: P Berlin  
 PI: AM

Spectrograph: FAST

Grating: 30L

Date: 4/30/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	
11-20	FLAT			0	6s	
21-30	BIAS			0	0s	
31-40	FLAT			0	12s	scattered clouds to W
41-45	sky			57	2s	
46	COMP			↑		
47-49	HD50019	06:52	+33:57	57	1s	
50	COMP			↑		
51-53	HD52971	06:57	+07:13	57	1s	
54	COMP			↑		
55-57	HD 48099	06:41	+06:21	57	5s	
58	COMP			↑		
59-61	HD 48134	06:43	+03:55	57	5s	
62	COMP			↑		
63-65	HD 46119	06:38	+05:04	57	5s	
66	COMP			↑		
67-69	HD 46485	06:33	+04:31	57	5s	
70	COMP			↑		
71-73	HD 48434	06:43	+03:55	57	5s	
74	COMP			↑		
75-76	Feige 34	10:36	+4:3	56	1m	
77	COMP			↑		
78	N4151	12:06	+79:41	6	30s	
79	COMP			↑		
80	N4051	12:00	+40:18	6	2m	
81	COMP			↑		
82	N4258	12:16	+47:34	6	2m	
83	COMP			↑		
84-85	N4486B	12:30	+12:29	57	4m	
86	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Andy

Spectrograph: FAST

Grating: 30R

Date: 4/30/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
87	11210 p 5805	11:121	+58:05	1	8m	
88	COMP			↑		
89	11335 p 6323	11:33	+63:23	1	3m	
90	COMP			↑		
91	11330 p 6346	11:33	+63:46	1	3m	
92	COMP			↑		
93,95	SN1997bg	10:17	+78:23	2	15m	
94,96	COMP			↑		
97	r 044.G.08	11:43	+33:25	S9	3m	
98	r 044.G.09	11:43	+33:25	S9	3m	
99	COMP			↑		
100	r 044.G.11	11:44	+33:32	S9	3m	
101	r 044.G.13	11:44	+33:28	S9	3m	
102	COMP			↑		
103	r 044.G.14	11:44	+33:21	S9	6m	em
104	COMP			↑		
105	r 044.G.15	11:44	+32:50	S9	7m	
106	r 044.G.16	11:44	+33:03	S9	7m	em
107	COMP			↑		
108	r 044.G.17	11:44	+33:29	S9	4m	
109	r 044.G.18	11:44	+33:48	S9	6m	
110	COMP			↑		
111	r 044.G.19	11:45	+33:20	S9	3m	
112	r 044.G.20	11:45	+33:09	S9	7m	
113	COMP			↑		
114	r 044.G.21	11:45	+34:02	S9	7m	
115	r 044.G.22	11:45	F44.00	S9	7m	H $\alpha$ @ 7520 A (?)
116	COMP			↑		
117	r 044.G.23	11:45	+33:12	S9	6m	em
118	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Andy

Spectrograph: F16T

Grating: 300L

Date: 4/30/97

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
119	1044. G. 27	11:47	+33:47	S9	3m	em +
120	COMP			↑		
121	1044. G. 28	11:47	+33:56	S9	3m	
122	1044. G. 26	11:47	+33:09	S9	4m	
123	COMP			↑		
124, 126	SN 1997br	13:20	-22:02	2	15m	
125, 127	COMP			↑		
128, 130	SN 1997by	13:07	-21:19	2	15m	
129, 131	COMP			↑		
132	H244	13:23	+8:04	S6	2m	
133	COMP			↑		
134	1044. G. 25	11:47	+33:00	S9	5m	
135	COMP			↑		
136	1044. G. 24	11:46	+33:43	S9	12m	em
137	COMP			↑		
138	1044. G. 30	11:47	+33:19	S9	8m	em
139	COMP			↑		
140	1044. G. 31	11:48	+33:27	S9	6m	
141	COMP			↑		
142	1085 G. 01	13:30	+31:54	S9	5m	
143	1085 G. 02	13:30	+31:38	S9	4m	
144	COMP			↑		
145	1085 G. 03	13:31	+31:32	S9	5m	
146	1085 G. 04	13:31	+31:32	S9	3m	
147	COMP			↑		
148	MRK 279	13:51	+69:33	6	2m	
149	COMP			↑		
150	NG 60221	14:28	+13:46	60	12m	em
151	COMP			↑		

60 inch Telescope Log

Observer: PB  
 PI: Andy S Den

Spectrograph: FAST

Grating: 300L

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
152	N5548	14:15	+25:22	6	3m	
153	COMP			↑		
154	1085 Cl. 05EJ	13:31	+34:03	59	8m	bin by 2 emb both camps
155	COMP			↑		
156	1085 Cl. 06	13:32	+33:30	59	3m	
157	1085 Cl. 07	13:32	+34:09	59	4m	em
158	COMP			↑		
159	1085 Cl. 08	13:33	+33:52	59	3m	
160	1085 Cl. 09	13:33	+33:49	59	3m	
161	COMP			↑		
162	1085 Cl. 10	13:34	+34:45	59	4m	
163	1085 Cl. 11	13:34	+33:57	59	4m	em
164	COMP			↓		
165	1085 Cl. 12	13:34	+34:11	59	4m	
166	1085 Cl. 13	13:34	+34:55	59	2m	
167	1085 Cl. 14	13:34	+33:41	59	3m	wind picking up
168	COMP			↑		
169	awm3-10	14:26	+26:11	35	3m	
170	awm3-12	14:26	+25:43	35	4m	
171	COMP			↑		
172	awm3-11	14:28	+26:01	35	2m	
173	awm3-13	14:28	+25:44	35	5m	ok
174	COMP			↑		
175	awm3-14	14:25	+25:22	35	6m	em
176	awm3-15	14:26	+25:28	35	5m	
177	COMP			↑		
178	awm3-16	14:27	+25:53	35	5m	em
179	awm3-17	14:28	+25:49	35	4m	
180	COMP			↑		
181	awm3-18	14:29	+26:03	35	5m	

## 60 inch Telescope Log

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
182	awm3-19	14:28	+25:49	35	5m	100cents-wk
183	COMP			↑		
184	awm3-20	14:25	+25:15	35	3m	
185	awm3-21	14:26	+25:24	35	5m	
186	COMP			↑		
187	awm3-22	14:30	+25:38	35	5m	Seemg worse
188	COMP			↑		
189	awm3-23	14:27	+25:27	35	12m	em
190	COMP			↑		
191	awm3-24	14:28	+25:32	35	10m	em
192	COMP			↑		
193	awm3-25	14:25	+25:46	35	10m	
194	awm3-26	14:27	+25:28	35	8m	em
195	COMP			↑		
196	160343 p164242	16:03	+16:42	25	11m	for Pauline wk on sbt
197	COMP			↑		em
198	160346 p16535	16:03	+16:18	25	11m	"
199	COMP			↑		poor seeing
200	2005330N	16:04	+17:13	60	3m	
201	2005330S	16:04	+17:13	60	4m	
202	2005330S	16:04	+17:43	60	4m	
203	COMP			↑		
204	2011455N	16:05	+17:46	60	3m	
205	2011455E	16:05	+17:46	60	3m	
206	2011455S	16:05	+17:46	60	3m	
207	COMP			↑		
208	MRK509	20:41	-10:54	6	3m	
209	COMP			↑		
210-212	Clayton	19:50	+35:41	12	2m, 20s, 2s	
213	COMP			↑		

