

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>7412</u>
Observer: <u>P. Berlin</u>		Grating: <u>300R</u>				Date: <u>6/9/99</u>
PI: <u>Andi</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15s	clear skies!
11-20	BIAS				0s	
21-30	FLAT				7s	
31-40	BIAS				0s	
41-50	FLAT				14s	
51-55	sky	Zenth			2s	
56	COMP				5s	
57-58	Fery 31	10:36	-47:21	S6	90s	PA = 110
59	COMP			f		
60	N 3379	10:45	-47:50	S7	90s	
61	COMP			f		
62	SS 26164.216	11:22	-07:52	S9	3m	
63	COMP			f		
64	.218	11:23	-08:10	S9	4m	underexposed
65	COMP			f		
66	.222	11:23	-07:39	S9	5m	
67	COMP			f		
68	.223	11:23	-08:40	S9	5m	
69	COMP			f		
70	.230	11:23	-07:38	S9	6m	
71	COMP			f		
72	.247	11:24	-07:38	S9	5m	underexposed
73	COMP			f		
74	.245	11:24	-08:49	S9	8m	
75	COMP			f		
76	.244	11:24	-07:41	S9	4m	
77	COMP			f		
78	.241	11:24	-08:20	S9	2m	
79	COMP			f		

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Observer: <u>PB</u>		Grating: <u>300</u>		Date: <u>6/9/99</u>		
PI: <u>Justin Deby</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
80	SS164.227	11:29	-08:39	59	2m	
81	COMP			↑		
82	A1644-04	12:51	-17:58	81	4m	
83	COMP			↑		
84	-02	12:48	-17:52	81	10m	
85	COMP			↑		
86	-05	12:55	-17:45	81	4m	→ to E
87	COMP			↑		
88	-09	12:55	-17:48	81	15m	
89	COMP			↑		
90,92	SN1999cl	12:31	+4:25	2	10m	tilt=585 PA=56
91,93	COMP			↑		↓ PA=93
94	H244	13:21	+36	56	2m	
95	COMP			↑		
96	H244	13:21	+36	56	2m	tilt=610 ↓
97	COMP			↑		
98	noqa (MP)	11:48	+12:42	73	15m	
99	COMP			↑		
100	-178	11:48	+12:43	73	12m	
101	COMP			↑		
102	-194	11:57	+12:52	73	10m	
103	COMP			↑		
104	-197	11:58	+12:52	73	10m	
105	COMP			↑		
106	SN1999cf	13:33	+33:03	2	20m	PA=80
107	COMP			↑		
108	noqa (381)	14:35	+36:32	73	8m	
109	COMP			↑		

60 inch Telescope Log
 Observer: AB
 PI: Gaeller
 Spectrograph: FAST
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	NGC 382	14:36	+76:30	73	9m	
111	COMP			f		
112	-389-390	14:45.	+78:45	73	12m	PA=82 0 0
113	COMP			f		390 from 101 389 @ 1m 45
114	G2199c.046	16:16	+40:20	64	10m	
115	COMP			f		
116	.124	16:40	+76:57	64	5m	
117	COMP			f		
118	.122	16:40	+77:54	64	5m	
119	COMP			f		
120	.124	16:41	+40:15	64	4m	+ to E
121	COMP			f		
122	.125	16:41	+42:34	64	4m	
123	COMP			f		
124	.126	16:41	+38:49	64	4m	
125	COMP			f		
126	.127	16:41	+39:17	64	7m	am
127	COMP			f		
128	.129	16:41	+38:16	64	5m	
129	COMP			f		
130	SN1999c	16:02	+37:21	2	20m	PA=90
131	COMP			f		
132	.130	16:41	+35:51	64	5m	
133	COMP			f		
134	.131	16:41	+37:31	64	5m	
135	COMP			f		
136	.132	16:41	+37:41	64	5m	
137	COMP			f		
138	.138	16:44	+43:20	64	8m	
139	COMP			f		

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Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Gretter</u>			Date: <u>6/9/99</u>			
Number	Object	R.A.	Dec.	L/B	Exp	Comments
140	a2199c133	16:42	+76:41	64	4m	
141	WMP			f		
142	.134	16:42	+40:10	64	4m	
143	WMP			f		
144	.136	16:42	+38:09	64	5m	
145	WMP			f		
146	.137	16:43	+42:59	64	5m	
147	WMP			f		
148	.139	16:44	+37:26	64	5m	
149	WMP			f		
150	.140	16:44	+76:18	64	5m	
151	WMP			f		
152	.141	16:44	+40:24	64	7m	
153	WMP			f		
154	.142	16:44	+40:05	64	5m	
155	WMP			f		
156	.143	16:44	+37:39	64	6m	
157	WMP			f		
158	.144	16:45	+45:23	64	5m	
159	WMP			f		
160	.145	16:45	+35:35	64	6m	
161	WMP			f		
162	.146	16:45	+42:18	64	7m	
163	WMP			f		
164	.147	16:45	+38:38	64	8m	
165	WMP			f		
166	.149	16:45	+34:59	64	12m	
167	WMP			f		
168	.148	16:45	+37:59	64	5m	
169	WMP			f		

60 inch Telescope Log
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
170	α2199c.150	16:46	+47:40	64	6m	wk
171	COMP			↑		
172	.151	16:46	+47:47	64	4m	
173	COMP			↑		
174	.152	16:46	+47:53	64	6m	
175	COMP			↑		
176	.163	16:49	+48:56	64	4m	
177	COMP			↑		
178	.164	16:49	+48:53	64	4m	
179	COMP			↑		clear & dark
180-182	HDI97291	20:10	+10:07	56	5s	~
183	COMP			↑		
184-193	BIAS				0s	
194-203	FLAT				7s	
204-213	BIAS				0s	
214-223	FLAT				14s	
224-233	FLAT				20s	blue tilt = S&S
234-243	DARK				15m	