

60 inch Telescope Log

Observer: P Berlin

PI: JPH

Spectrograph: FAST

Grating: 3002

Page: 7266

Date: 4/16/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BDS				0s	
21-30	FLAT				7s	clearing nicely @ sunset.
31-40	BDS				0s	
41-50	FLAT				14s	
51-55	sky	zenith		57	2s	
56	comp			↑		
57-59	HDS2777	06:57	+27:13	57	4s	
60	comp			↑		
61-63	HDS1354	06:57	+17:54	57	5s	
64	comp			↑		
65-68	HDS0816	06:57	+22:55	57	4s	
69	comp			↑		
70-72	HDS0868	06:55	+05:26	57	4s	
73	comp			↑		
74	N5377	10:45	+14:14	57	1m	
75	comp			↑		
76	N5379	10:45	+17:50	57	1m	
77	comp			↑		
78-79	Faye 34	10:36	+43:21	56	90s	
80	comp			↑		
81	N3227	10:20	+20:07	6	3m	
82	comp			↑		
83	2M061624.9	06:46	+25:11	68	4m	
84	comp			↑		
85	2M064205.4	06:42	+14:19	68	4m	
86	comp			↑		good seeing
87	2M061719.7	06:17	+27:50	68	4m	
88	comp			↑		

Standard data Reduced in 2 data sets 1-177 + 214-283

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>7267</u>		
Observer: <u>PB</u>		Grating: <u>3000</u>		Date: <u>4/16/99</u>		
PI: <u>JPH</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
88	ZM065344.3	06:53	+14:13	68	6m	
89	COMP			†		
91	ZM065322.5	06:53	+12:14	68	3m	
92	COMP			†		
93	ZM065059.1	06:50	+15:18	68	5m	
94	COMP			†		
95	SN1999aa	08:27	+21:29	2	20m	PA=36
96	COMP			†		
97	ZM081006.1	08:10	+19:35	68	6m	
98	COMP			†		
99	ZM081004.3	08:10	+17:29	68	5m	
100	COMP			†		
101	ZM081308.5	08:13	+14:43	68	6m	
102	COMP			†		
103	ZM081322.3	08:13	+17:01	68	5m	
104	COMP			†		
105	ZM081355.7	08:13	+16:58	68	5m	
106	COMP			†		
107	SN1999bg	12:04	+62:30	2	15m	PA=32°
108	COMP			†		
109	ZM085147.2	08:31	+13:40	68	5m	
110	COMP			†		
111	ZM083351.9	08:33	+14:07	68	4m	
112	COMP			†		
113	ZM082828.6	08:28	+13:41	68	5m	
114	COMP			†		
115	ZM082824.4	08:28	+15:42	68	5m	
116	COMP			†		
117	ZM082712.4	08:27	+17:59	68	5m	
118	COMP			†		

60 inch Telescope Log

Observer: PB
 PI: JPH

Spectrograph: F16J
 Grating: 3000
 Date: 4/16/99

Page: 7268

Number	Object	R. A.	Dec.	L/R	Exp	Comments
119	2M0826429	08:26	+17:38	68	5m	
120	COMP			↑		
121	2M0849289	08:49	+18:00	68	4m	
122	COMP			↑		
123	2M085045.2	08:50	+18:48	68	4m	
124	COMP			↑		
125	2M085217.5	08:52	+18:17	68	4m	
126	COMP			↑		
127	2M085349.8	08:53	+18:52	68	4m	
128	COMP			↑		
129	2M090334.7	09:03	+13:39	68	3m	
130	COMP			↑		
131	2M090432.4	09:04	+17:29	68	4m	
132	COMP			↑		
133	2M0904408EW	09:04	+17:35	68	5m	PA=60 to avoid star
134	COMP			↑		
135	2M091348.2	09:13	+16:14	68	5m	
136	COMP			↑		
137	2M094711.4	09:47	+18:52	68	4m	
138	COMP			↑		
139	2M094752.7	09:47	+20:17	68	3m	
140	COMP			↑		
141	2M095731.9	09:57	+20:33	68	5m	
142	COMP			↑		
143	2M095910.9	09:59	+19:44	68	4m	
144	COMP			↑		
145	2M095927.4	09:59	+12:56	68	4m	
146	COMP			↑		
147	2M095946.7	09:59	+15:58	68	5m	
148	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: JPH

Spectrograph: FAST

Grating: 3002

Date: 4/16/99

Page: 7269

Number	Object	R. A.	Dec.	L/R	Exp	Comments
149	ZM095744.4	09:57	+17:45	68	4m	
150	COMP			↑		
151	ZM095810.4	09:58	+17:41	68	5m	
152	COMP			↑		
153	ZM095816.8	09:58	+17:42	68	5m	
154	COMP			↑		
155	ZM095930.0	09:59	+16:10	68	5m	
156	COMP			↑		
157	ZM102227.9	10:23	+22:25	68	4m	
158	COMP			↑		
159	ZM102206.9	10:24	+22:17	68	4m	
160	COMP			↑		
161	ZM102209	10:24	+22:02	68	5m	
162	COMP			↑		
163	ZM102502.0	10:25	+12:24	68	5m	
164	COMP			↑		
165	HZ44	13:21	+76:23	56	2m	strange chip binnig
166	HZ44	13:21	+76:23	56	2m	108 rows instead of 161
167	COMP			↑		
168	MK421	11:01	+78:28	6	4m	
169	COMP			↑		
170	N404	12:03	+44:48	6	2m	
171	COMP			↑		
172	N451	12:08	+39:41	6	30s	
173	COMP			↑		
174	MKw12_i.054	14:03	+158:26	35	6m	
175	COMP			↑		
176	N5548	14:15	+25:22	6	3m	
177	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>3000, tilt = 745</u>		Page: <u>7270</u>	
PI: <u>Mink</u>			Date: <u>4/16/99</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
178	COMP test			78	8s	3000, 3" slit, 100
179-183	FLAT			78	14s	tilt = 745 focus = 850
			<u>CZE</u>			$\lambda_c = 7445 \text{ \AA}$
184	N4853	17:58	7.5K	78	6m	
185	COMP			↑		thin clouds
186	N4486B	17:30	1.5K	78	6m	
187	COMP			↑		comp mink 44-49
188	mink 44-49	17:05	25K	78	20m	PA = 17°
189	COMP			↑		
190	ZM139401	17:35	15K	78	10m	↑ to W of gal PA = 80
191	COMP			↑		
192	mink 7-035	17:53	45K	78	20m	Faint gal to E of row 153
193	COMP			↑		PA = 80
194	ZM150605.6	15:06	20K	78	15m	
195	COMP			↑		
196	NGC 4172	16:05	10K	78	10m	PA = 85 gal to E
197	COMP			↑		
198	160310, 161520	16:05	40K	78	20m	
199	COMP			↑		
200	ZM160530.2	16:05	35K	78	20m	* to E
201	COMP			↑		clouds...
202	NGC 4100, 089	16:49	30K	78	20m	wk
203	COMP			↑		delay of clouds.
204-213	FLAT				14s	windy
214	15222p2056	15:24	2045	60	5m	normal setup
215	COMP			↑		3000, tilt = 610
216	15219p2057E	15:24	2046	60	6m	
217	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7271</u>	
Observer: <u>PB</u>			Grating: <u>3000</u>		Date: <u>4/16/99</u>	
PI: <u>Falco</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
218	1526 Sp 1220	15:28	+42:56	60	3m	windy + cloudy
219	COMP			↑		
220	1534p 4340	15:36	+43:20	60	7m	
221	COMP			↑		
222	SN1999ac	16:07	+07:58	2	20m	PA=45
223	COMP			↑		
224	15519p 4201	15:56	+41:52	60	5m	
225	COMP			↑		
226	I 1153	15:57	+48:10	60	3m	
227	COMP			↑		
228	H2Her	16:57	+38:20	57	5m	
229	COMP			↑		
230-32	H10P2281	20:10	+40:07	56	5s	lots of clouds @ dawn
233	COMP			↑		
234-43	BIAS				0s	
244-53	FLAT				7s	
254-63	BIAS				0s	
264-73	FLAT				14s	
274-83	DARK				15m	