

60 inch Telescope Log
 Observer: Pberlmo
 PI: Huchra
 Spectrograph: FAST
 Grating: 3002
 Date: 9/18/98
 Page: 6518

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BDS			57	08	
21-30	FLAT			57	63	scattered clouds
31-40	BDS			57	08	nice sunset
41-50	FLAT			57	123	
51-55	sky			57	25	
56	COMP			↑		
57-59	HDF12281	20:10	+40:07	56	45	
60	COMP			↑		
61-62	BDp332642	15:50	+37:26	54	1m	
63	COMP			↑		
64	ZM1503377	15:03	+20:42	68	4m	
65	COMP			↑		
66	ZM1505525	15:08	+20:38	68	5m	bin by 2, close comp to E
67	COMP			↑		
68	ZM151959.1	15:19	+20:42	68	3m	gal (+sup +?) 62 dk
69	COMP			↑		
70	ZM151904.3	15:19	+21:50	68	4m	
71	COMP			↑		
72	ZM151759.2	15:17	+26:52	68	4m	
73	COMP			↑		clouds!
74	ZM151751.7	15:17	+25:23	68	5m	bin by 2, close comp to W
75	COMP			↑		
76	ZM152822.8	15:28	+25:58	68	4m	" ; star 5" W of gal
77	COMP			↑		
78	ZM152847.3	15:28	+25:44	68	3m	
79	COMP			↑		
80	ZM153201.1	15:32	+25:34	68	4m	
81	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Hucha

Spectrograph: FMS

Grating: 3002

Date: 9/18/98

Page: 6519

Number	Object	R.A.	Dec.	L/R	Exp	Comments
82	ZM155332.7	15:53	+18:48	68	4m	
83	COMP			↑		
84	ZM154711.2	15:47	+22:53	68	4m	
85	COMP			↑		
86	ZM153650.9	15:36	+26:34	68	4m	
87	COMP			↑		
88	ZM155222.4	15:52	+22:53	68	5m	
89	COMP			↑		
90	ZM155330.9	15:53	+18:21	68	4m	
91	COMP			↑		
92	ZM160229.0	16:01	+22:47	68	4m	
93	COMP			↑		
94	ZM160244.4	16:03	+23:28	68	5m	
95	COMP			↑		
96	ZM161329.7	16:13	+22:57	68	6m	to to W
97	COMP			↑		
98	ZM163947.9	16:39	+14:44	68	4m	
99	COMP			↑		
100	ZM164120.6	16:41	+13:25	68	4m	
101	COMP			↑		
102	ZM164116.7	16:41	+13:23	68	4m	
103	COMP			↑		
104	ZM164243.4	16:42	+20:21	68	3m	
105	COMP			↑		
106	ZM165644.0	16:56	+18:33	68	5m	bin by 2 ; 2 clumps
107	COMP			↑		
108	ZM165105.3	16:51	+22:31	68	4m	32
109	COMP			↑		
110	ZM165554.9	16:55	+22:50	68	4m	36
111	COMP			↑		

<p>60 inch Telescope Log</p> <p>Observer: <u>PB</u></p> <p>PI: <u>Jeff & John</u></p>	<p>Spectrograph: <u>FAST</u></p> <p>Grating: <u>300</u></p> <p>Date: <u>9/18/98</u></p> <p style="text-align: right;">Page: <u>6520</u></p>
---	---

Number	Object	R. A.	Dec.	L/R	Exp	Comments
112	COMP			↓		1.1" slit ↓
113, 114	4U1907009	19:09	+08:49	104	2x15m	
115	COMP			↑		
116, 117	HD 230579	19:09	+11:06	104	20s	
118	COMP			↑		
119, 120	BD 28124	21:40	+28:42	56	1m	3" slit ↓
121				↑		
122	2M183110.3	18:31	+13:26	68	8m	
123	COMP			↑		
124	2M2004528 star	20:04	+29:11	68	2x5	reflection nebulae?
125	2M2004528.	20:04	+29:11	68	3m	extended emission across
126	COMP			↑		CO; H α pr 2006; NII, SII
127	2M202420.2	20:24	+27:03	68	7m	ugh lots of clouds
128	COMP			↑		* to E
129	2M202356.7	20:23	+25:42	68	6m	bin by 2; star to W
130	COMP			↑		
131	2M202603.9	20:29	+26:42	68	6m	" "
132	COMP			↑		clear again!
133	2M203531.6	20:38	+25:36	68	9m	
134	COMP			↑		
135	2M202808.2	20:28	+28:29	68	12m	*'s ms 67
136	COMP			↑		
137	2M200119.8	20:01	+17:34	68	12m	
138	COMP			↑		
139	2M203721.1	20:37	+26:15	68	9m	* to E
140	COMP			↑		
141	2M203848.7	20:38	+24:06	68	8m	
142	COMP			↑		

60 inch Telescope Log
 Observer: PB
 PI: Betsy John Bob.
 Spectrograph: FAST
 Grating: 300
 Date: 9/18/98
 Page: 6521

Number	Object	R.A.	Dec.	L/R	Exp	Comments
143	Fery 110	23:17	-5:20	S6	2m	
145	OMP			↑		
146	SN1998bh	23:17	+01:32	2	20m	
147	OMP			↑		280 = "E" gal @ row 54
148	Sagal-280, 281	23:17	+05:38	73	15m	PA=168 PA=168 ^{met} row 28 ^{conv}
149	OMP			↑		280 281 @ row 28
150	ZM210723.6	21:07	+17:57	68	8m	close pair PA=90 2 gal
151	OMP			↑		bin by 2
152	ZM213902.5	21:39	+27:27	68	9m	
153	OMP			↑		windy; seeing worse
154	ZM213952.4	21:39	+24:04	68	8m	
155	OMP			↑		
156	ZM213559.4	21:35	+24:02	68	12m	high cz (37K)
157	OMP			↑		
158	ZM213941.3	21:39	+24:24	68	6m	
159	OMP			↑		
160	ZM214120.8	21:41	+27:57	68	4m	
161	OMP			↑		
162	Sagal-300	23:46	+29:27	73	10m	
163	OMP			↑		
164	-301	23:47	+29:29	73	10m	
165	OMP			↑		
166	-308	00:00	+28:23	73	7m	* to W
167	OMP			↑		
168	-309EW	00:00	+28:24	73	15m	PA=88°; E+W gals
169	OMP			↑		W gal = #309 @ row 33
170	ZM005717.3	00:57	+19:27	68	5m	PA=90
171	OMP			↑		
172	ZM005829.1	00:58	+22:19	68	9m	
173	OMP			↑		

60 inch Telescope Log
 Observer: PB
 PI: Huchra
 Spectrograph: FAST
 Grating: 300
 Date: 9/18/98
 Page: 6522

Number	Object	R. A.	Dec.	L/R	Exp	Comments
174	ZM010811.1	01:08	+20:53	68	6m	poor seeing; no sep * gal ^{visible}
175	COMP			↑		
176	ZM010859.0	01:08	+21:44	68	4m	
177	COMP			↑		
178	ZM012242.8	01:22	+19:01	68	4m	
179	COMP			↑		
180	ZM011917.6	01:19	+20:47	68	4m	
181	COMP			↑		
182	ZM012210.7	01:22	+19:37	68	4m	
183	COMP			↑		
184	ZM010732.4	01:07	+18:55	68	4m	
185	COMP			↑		
186	ZM010725.9	01:07	+18:10	68	4m	
187	COMP			↑		
188	SN1998dt	02:28	-10:32	2	20m	
189	COMP			↑		
190	ZM012232.8	01:22	+19:31	68	4m	
191	COMP			↑		
192	ZM012428.7	01:24	+19:11	68	4m	
193	COMP			↑		
194	ZM011238.2	01:12	+20:25	68	5m	21
195	COMP			↑		
196	ZM011012.4	01:10	+22:03	68	4m	23
197	COMP			↑		good seeing!
198	SN1998.N1961	05:41	+68:22	2	20m	
199	COMP			↑		
200-201	G191B2B	05:01	+52	56	2m	
202	COMP			↑		
203-204-5	G1Cam	01:19	+25:29	107	15,90s	5s
206	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Jeff John

Spectrograph: FAST

Grating: 300

Page: 6523

Date: 9/18/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
207	COMP			↓		1.1" slit ↓
208-209	AOS 35p26	0538	+26-18	104	1m2	
210	COMP			↑		
211	HD 39478	05:53	+26-25	104	10s	
212	COMP			↑		
213	ZM023659.0	02-36	+54-44	68	4m	3" slit ↓
214	COMP			↑		
215	ZM023649.9	02-36	+54-40	68	4m	
216	COMP			↑		
217	ZM024803.0	02-48	+21-31	68	4m	
218	COMP			↑		
219	ZM024905.8	02-49	+21-36	68	4m	
220	COMP			↑		
221	ZM024814.5	02-48	+21-57	68	4m	
222	COMP			↑		
223	ZM024929.5	02-49	+21-12	68	3m	redo
224	COMP			↑		
225	ZM025280	02-40	+41-05	57	2m	bright sky. ✱
226	COMP			↑		
227-229	HD 12623	02-02	+61	57	4s	
230	COMP			↑		
231-240	BIAS				0s	
241-250	FLAT				6s	
251-260	BIAS				0s	
261-270	FLAT				12s	
271-280	FLAT				20s	1.1" slit
281-290	DARK				20m	km by 2
						clear & down