

★ Start of FAST Run★

60 inch Telescope Log			Spectrograph: FAST		Page: 6658	
Observer: <u>P. Berbind</u>		Grating: <u>300R, 3" slit</u>		Date: <u>11/10/98</u>		
PI: <u>Huchra</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
	test					New CCD Flood
2-11	BDPS				0s	
12-21	FLAT				6s	high dark current
22-31	BDPS				0s	300R, 3" slit; tilt=610.0
32-40	FLAT				12s	
42-46	SKY	zenith		S7	6s	lines filled ///
47	COMP			↑		1 PIX
48-50	HD 168917	18:22	-14:22	S7	3s	
51	COMP			↑		
52-54	HD 169727	18:26	-13:39	S7	5s	
55	COMP			↑		
56-58	HD 169755	18:20	+28:56	S7	5s	
59	COMP			↑		
60-62	BDP 284261	21:48	+28:37	S6	30s	
63	COMP			↑		
64-66	HD 192281	20:40	+40:07	S6	4s	
67	COMP			↑		
68-69	N7331	22:34	+34:09	S7	3m	
70	COMP			↑		
71	2M2058311	20:58	+28:28	S6	10m	
72	COMP			↑		
73	2M2058.0	20:58	+28:48	S6	7m	
74	COMP			↑		
75	2M201517.3	20:45	+13:02	S6	2m	Star; faint fuzz
76	COMP			↑		
76	2M213155.2	21:31	+28:53	S6	5m	
77	COMP			↑		
78	2M2150227	21:50	+28:17	S6	6m	
79	COMP			↑		

NO BIN BY 2 DARKS!

BIN BY 2 OBJECTS REDUCED WITH BIN BY 2 DARKS FROM 11/11/98

60 inch Telescope Log

Observer: PB

PI: Huchra

Spectrograph: FAST

Grating: 300L; 3" slit

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Date: 11/10/98

Number	Object	R. A.	Dec	L/R	Exp	Comments
80	ZM211605.9	21:16	+29:56	68	6m	
81	COMP			↑		
82	ZM213208.7	21:32	+29:03	68	6m	em
83	COMP			↑		
84	ZM212759.5	21:27	+28:01	68	5m	
85	COMP			↑		
86	ZM212819.6	21:28	+25:01	68	10m	
87	COMP			↑		
88	ZM214810.5	21:48	+21:38	68	5m	
89	COMP			↑		
90	ZM213215.4	21:32	+27:10	68	10m	
91	COMP			↑		
92	ZM212521.3	21:25	+25:16	68	5m	
93	COMP			↑		
94	ZM212224.0	21:22	+27:27	68	7m	*'s in slit to E
95	COMP			↑		
96	ZM212238.5	21:22	+29:02	68	7m	
97	COMP			↑		
98	SNR98eg	22:39	+08:36	2	20m	
99	COMP			↑		
100	Fetp110	23:05	-05	56	2m	
101	COMP			↑		
102	ZM210324.8	21:25	+26:58	68	6m	
103	COMP			↑		
104	ZM215751.6	21:57	+28:06	68	5m	
105	COMP			↑		
106	ZM215751.6	21:57	+24:08	68	4m	
107	COMP			↑		
108	ZM225710.7	22:57	+61:55	68	10s	str w/ neb.
109	COMP			↑		

108 2 stars & neb? H α at rest λ in one

60 inch Telescope Log

Observer: PB
 PI: Huchra & Geller

Spectrograph: F16T
 Grating: 300R
 Date: 11/10/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	ZM225449.5	22:54	+29:52	68	7m	bin by 2; close E-W pair
111	OMP			r		Gal u/en + star to E
112	ZM222252.6	22:22	+25:17	68	4m	
113	OMP			r		
114	ZM221950.9	22:19	+29:23	68	8m	*'s to E+W em
115	OMP			r		
116	ZM221035.9	22:10	+26:03	68	4m	
117	OMP			r		
118	ZM222129.0	22:21	+25:15	68	4m	
119	OMP			r		
120	ZM2220062	22:28	+19:01	68	4m	
121	OMP			r		
122	ZM22114.9	22:11	+25:38	66	4m	
123	OMP			r		
124	ZM220551.4	22:05	+26:37	68	4m	
125	OMP			r		
126	ZM2206498	22:06	+25:01	68	5m	
127	OMP			r		
128	ZM221848.2	22:18	+25:27	68	4m	* to W (Mx u/en)
129	OMP			r		
130	E-823.2595652E/W	00:31	+10:12	55	8m	close E-W pair of galaxies
131	OMP			r		bin by 2
132	E-823.26176W	00:39	+10:20	55	11m	
133	OMP			r		
134	E-823.276618	00:28	+15:05	55	10m	
135	OMP			r		
136	E-823.38629	00:30	+14:48	55	8m	
137	OMP			r		
138	E-915.46135	00:57	+09:33	55	10m	
139	OMP			r		

110 star is to W - it has emission (H α)
 possible gal to E - couldn't get velocity

60 inch Telescope Log

Observer: PB
 PI: Geller

Spectrograph: FAST
 Grating: 300R
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
140	E_823.44798	00:31	+14:26	SS	10m	
141	COMP			↑		
142	E_823.47986	00:38	+14:28	SS	15m	goodem!
143	COMP			↑		
144	E-1274.57321	00:51	+14:55	SS	10m	
145	COMP			↑		
146	E-1274.73025	00:52	+14:31	SS	15m	em
147	COMP			↑		
148	E-1274.75306	00:45	+10:15	SS	10m	* to W
149	COMP			↑		
150	E-1274.77624	00:50	+10:22	SS	10m	Moon is up.
151	COMP			↑		
152	E_823.75168	00:35	+10:39	SS	12m	em
153	COMP			↑		
154	E_823.76078	00:38	+13:59	SS	10m	
155	COMP			↑		
156	E1274.75696	00:49	+10:58	SS	8m	
157	COMP			↑		
158	E915.86352	00:41	+10:09	SS	6m	
159	COMP			↑		
160	SN198ef	01:03	+32:14	2	15m	
161	COMP			↑		
162	SNcage, SS3	02:29	+18:25	2	15m	wgh - not a SN! K*
163	COMP			↑		
164	SNcage, SS3, host	02:29	+18:25	2	3m	* in slit to W
165	SNcage	"	"	2	2m	SN cand; still not a sn
166	E_1538178	04:56	+14:54	SS	4m	
167	COMP			↑		

60 inch Telescope Log

Observer: PB
 PI: Geller / Kraus / Huchra

Spectrograph: FAST
 Grating: 300R
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
168	E-15,5982179	01:41	+10:21		7m	em
169	COMP					
170	E-15,402406	01:41	+10:20	SS	7m	em
171	COMP			↑		
172	E-15,400406	01:45	+10:20	SS	7m	em wow! young starburst
173	COMP			↑		
174	E-15,4229833	01:45	+10:49	SS	4m	
175	COMP			↑		
176	E-15,42300X	01:45	+10:51	SS	15m	
177	COMP			↑		
178	E-209,74177	01:59	+15:07	SS	5m	* in slit to W
179	COMP			↑		
180	WMP 7-3.072	02:50	+40:01	35	7m	
181	COMP			↑		
182	073	02:46	+42:24	35	6m	
183	COMP			↑		
184	074	02:51	+40:10	35	7m	
185	COMP			↑		
186	76	02:50	+47:10	35	7m	Seeing worse
187	COMP			↑		
188	78	02:47	+46:15	35	7m	
189	COMP			↑		
190	-80	02:46	+42:58	35	10m	
191	COMP			↑		
192	2M040341.9	04:03	+22:09	68	4m	
193	COMP			↑		
194	2M040301.7	04:03	+30:50	68	3m	
195	COMP			↑		
196	2M04014.7	04:07	+30:17	68	5m	
197	COMP			↑		

60 inch Telescope Log

Observer: RB

PI: Huchra & Krshner

Spectrograph: FAST

Grating: 300R

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
196	ZM010410.9	04:04	+72:57	68	10m	
199	OMP			↑		
200	ZM010741.9	04:07	+70:15	68	6m	
201	OMP			↑		
202	ZM013302.6	04:33	+74:76	68	7m	
203	OMP			↑		
204	ZM043336.0	04:33	+13:31	68	6m	
205	OMP			↑		
206	ZM044322.2	04:43	+18:42	68	6m	
207	OMP			↑		
208-210	SN1998cc	06:53	+50:52	2	20m	+2
209-211	OMP			↑		
212	ZM062514.1	06:25	+15:05	68	10m	+3 to W
213	OMP			↑		
214	ZM062229.4	06:22	+13:58	68	10m	* to W
215	OMP			↑		
216-217	Ferap34	10:36	+43:21	56	90s	
218	OMP			↑		
219-228	BIAS			0	0s	
229-238	FLAT			0	6s	
239-248	BIAS			0	0s	
249-258	FLAT			0	12s	
259-268	DARK				15m	bin by 4
						clear @ dawn
						~