

60 inch Telescope Log
 Observer: P. Berlind
 PI: Fales
 Spectrograph: FAST
 Grating: 300R
 Date: 10/17/99
 Page: 7664

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BEATS				0s	
21-30	FLAT				7s	v. hazy
31-40	BEATS				0s	east wind.
41-50	FLAT				14s	
51-55	SKY	zenith		S7	2s	
56	COMP			↑		
57-59	HD 92761	20:10	+10:07	S6	6s	
60	COMP			↑		
61	ZM1829110	18:51	+17	G8	2m	sup *? + gal ✗
62	COMP			↑		poor seeing
63	ZM1855095	18:58	+22W	G8	4m	em BAO (UNDER EXPOSED)
64	COMP			↑		
65	ZM1827539	18:27	+15:49	G8	6m	*'s to E sup ✗
66	COMP			↑		
69	XTE J1858p22	18:58	+22	G5	13m	PA=62 7 or 7:10
70	COMP			↑		
71	Z1296p718	21:31	+24:31	S7	1m	✗ ✗
72	COMP			↑		
73	Z108p2985	21:31	+00:08	S7	1m	✗ ✗
74	COMP			↑		
75	Z1478p3443	21:49	+14:56	S7	1m	✗; faint star
76	COMP			↑		
77	Z1300p0956	21:32	+10:08	S7	90s	Seagiant 1!
78	COMP			↑		
79	Z1495p0249	21:49	+03:03	S7	10m	em
80	COMP			↑		
81	Z1567p175L	21:59	+18:10	S7	5m	large LSB
82	COMP			↑		wk H ₂ @ pos 2131? bright sky red

em BAO (UNDER EXPOSED) to W. Not E

→ 67 ZM1842465 68 5min another ✗
 68 COMP ↑

DATA REDUCED IN 2 SETS (BEFORE + AFTER FRATING CHANGE)

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7665</u>
Observer: <u>PS</u>				Grating: <u>302</u>		
PI: <u>Falco & Huchra</u>				Date: <u>10/17/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
83	Z3061p4636	2308	+46:54	84	90s	* #
84	Z3061p4678SW	"	"	84	2m	* #
85	COMP			↑		
86	ZMJ232740	2327	+23:20	88	2m	seeing better
87	COMP			↑		
88	ZMJ232442	23:24	+44:31	88	4m	
89	COMP			↑		
90	ZMJ22444	2244	+25:06	88	2m	
91	COMP			↑		
92	ZMJ233911	2339	+27:06	88	2m	
93	COMP			↑		
94	ZMJ234058	2340	+20:26	88	5m	
95	COMP			↑		
96	ZMJ234324	2343	+23:30	88	4m	
97	COMP			↑		
98	ZMJ234426	2344	+27:26	88	4m	
99	COMP			↑		
100	ZMJ235226	23:52	+33:25	88	2m	
101	COMP			↑		
102	ZMJ235249	23:52	+33:19	88	2m	
103	COMP			↑		
104	ZM0017016	00:17	+35:16	68	5m	
105	COMP			↑		
106	ZM001410.1	00:14	+24:10	68	3m	
107	COMP			↑		
108	ZM001513.6	00:15	+31:30	68	2m	
109	COMP			↑		
110	ZM0016182	00:16	+33:59	68	3m	
111	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>766</u>
Observer: <u>PB</u>				Grating: <u>300R</u>		
PI: <u>Huchra & Gersz</u>				Date: <u>10/17/99</u>		
Number	Object	R. A.	Dec.	L/R	Exp	Comments
112	ZM001819.5	00:18	+34:52	68	5m	* to W
113	COMP			↑		
114	ZM001845	00:18	+20:03	68	3m	
115	COMP			↑		
116	ZM002039.8	00:20	+31:31	68	3m	
117	COMP			↑		
118	ZM002246.1	00:22	+31:24	68	5m	
119	COMP			↑		
120	ZM002358.6	00:23	+30:17	68	2m	
121	COMP			↑		
122	ZM002522.7	00:25	+30:04	68	4m	
123	COMP			↑		
124	XTEJ0858.22	18:58	+12	65	15m	PA=66 low
125	COMP			↑		
126	N7469	23:05	+06:52	6	2m	PA=0 ↓
127	COMP			↑		
128-9	Ferg 110	23:17	+5:26	56	2m	PA=0
130	COMP			↑		
131	Akn 569	22:42	+29:43	6	5m	PA=90 ↓
132	COMP			↑		
133	MRK 335	00:06	+70:12	6	3m	
134	COMP			↑		
135	ZM002912.4	00:25	+20:05	68	4m	
136	COMP			↑		
137	ZM002752.4	00:27	+20:20	68	3m	
138	COMP			↑		
139	ZM003000.0	00:30	+20:51	68	4m	
140	COMP			↑		
141	ZM003022.8	00:30	+20:36	68	4m	
142	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7667</u>
Observer: <u>PB</u>		Grating: <u>300L</u>		Date: <u>10/17/99</u>		
PI: <u>Rmess/Geller</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
143	a1196_014	01:01	-00:57	64	12m	
144	COMP			↑		
145	016	01:01	-00:48	64	5m	
146	COMP			↑		
147	015	00:41	-00:24	64	5m	ok
148	COMP			↑		
149	017	00:57	-01:08	64	6m	
150	COMP			↑		
151	020	00:48	-00:54	64	4m	
152	COMP			↑		
153	019	01:05	-00:45	64	4m	
154	COMP			↑		
155	021	00:59	-00:12	64	7m	em ok
156	COMP			↑		
157	022	01:08	-00:06	64	6m	
158	COMP			↑		
159	023	01:06	-00:39	64	4m	
160	COMP			↑		seeing worse
161	024	01:05	-00:54	64	4m	
162	COMP			↑		
163	025	00:53	-01:05	64	5m	
164	COMP			↑		windy
165	026	00:51	-00:08	64	4m	
166	COMP			↑		
167	027	00:58	-00:17	64	4m	
168	COMP			↑		
169	028	01:04	-00:58	64	5m	
170	COMP			↑		
171	031	00:57	-00:38	64	5m	
172	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7668</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>			
PI: <u>Rinos & Brangy</u>			Date: <u>10/17/99</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
173	a1196-030	00:44	-02:25	64	6m	
174	COMP			↑		
175	633	00:58	-02:45	64	5m	poor seeing
176	COMP			↑		wind
177	034	00:57	-02:31	64	5m	
178	COMP			↑		
179	035	00:56	-02:31	64	6m	
180	COMP			↑		
181	622133p570	02:21	+57:01	83	5m	PA=90
182	COMP			↑		
183	022241p5711	02:22	+57:11	83	4m	PA=90L
184	COMP			↑		
185	022242p57	02:22	+57:12	83	15m	
186	COMP			↑		seeing 5"
187	022244p57	02:22	+57:04	83	15m	
188	COMP			↑		
189	022245p570	02:22	+57:07	83	10m	
190	COMP			↑		
191	022247p57	02:22	+57:14	83	7m	
192	COMP			↑		
193	022248p5712	02:22	+57:12	83	2m	em
194	COMP			↑		
195	022252p57	02:22	+57:09	83	5m	bm by 2; comp to w
196	COMP			↑		
197	022259p5707	02:22	+57:07	83	4m	
198	COMP			↑		
199-200	022259p5714	02:22	+57:14	83	10s, 5s	em
201	COMP			↑		
202	022255p5708	02:22	+57:08	83	4m	
203	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7669</u>
Observer: <u>PB</u>		Grating: <u>6002</u>		Date: <u>10/17/99</u>		
PI: <u>S. Wolk</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
204	COMP	test				6002. 2" slit ↓
205	H1D716	01:36	+4843	110	2s	tilt = 78.0, focus = 120
207	COMP			↑		
208	MBM12.35X	0301	+1712	110	4m	
209	COMP			↑		
210	MBM12.357	0304	+1714	110	4m	
211	COMP			↑		
212	359	08:07	+1708	110	6m	
213	COMP			↑		
214	340	0855	+2005	110	7m	
215	COMP			↑		
216	341	02:57	+1949	110	7m	
217	COMP			↑		
218	342	03:01	+1708	110	7m	
219	COMP			↑		
220	343	0258	+1933	110	7m	
221	COMP			↑		
222	345	03:02	+1703	110	10m	
223	COMP			↑		
224	348	03:02	+1702	110	12m	
225	COMP			↑		
226	350	03:02	+1700	110	12m	
227	COMP			↑		
228	351	0256	+1937	110	12m	
229	COMP			↑		
230	G191B2B	05:01	+5245	110	3m	SD
231	COMP			↑		
232	FLAT				14s	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7670</u>
Observer: <u>PB</u>		Grating: <u>300L</u>		Date: <u>10/17/99</u>		
PI: <u>Zines</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
242	SN1999dq	02:33	+70:58	Z	15m	300L - 3" slit ↓
243	COMP			↑		PA67 normal setup
244	G191D2B	05:01	+52	S6	2m	PA-90
245	COMP			↑		
246	α5766021	07:18	+54:53	64	10m	
247	COMP			↑		POOR SEEING!
248	022	07:21	+56:32	64	8m	
249	COMP			↑		
250	023	07:24	+54:26	64	9m	
251	COMP			↑		
252	024	07:27	+56:10	64	9m	
253	COMP			↑		
254-5	Hiltner60	06:42	+42	S6	1m	
256	COMP			↑		
257	NGC1700	04:54	+64:56	S7	2m	
258	COMP			↑		
259-218	BIAS				0s	
269-278	FLAT				0s	
279-288	BIAS				0s	
289-298	FLAT				14s	
						★END of FAST Run★