

Fax to Susan Tokera  
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\* Start of FAST Run  
(2/28 snowed out)

60 Inch Telescope Log	Spectrograph: <u>FAST</u>	Page: <u>5289</u>
Observer: <u>P Bentz</u>	Grating: <u>3028, 3" slit, bin by 4</u>	
PI: <u>Kamran Kirshner &amp; Mehdiavi</u>	Date: <u>3/1/97</u>	

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	BIAS				0s	test
5-10	FLAT				6s	test
11-15	DARK				15m	new CCD UV-Flood (2/27/97)
16-25	BIAS				0s	
26-35	FLAT				6s	
36-45	BIAS				0s	bin by 2
46-55	FLAT				12s	bin by 2
56-60	sky			57	2s	wow; Huk are back!
61	COMP			↑		
62-66	HDS2971	06:57	+27	56	5s	
67	COMP			↑		
68-72	AGK2914	07:17	+14:59	56	5s	
73	COMP			↑		
74-76	NGC1700	04:54	-04:56	56	60s, 2m	
77	COMP			↑		
78	AKN120	05:13	-10:12	6	2m	
79	COMP			↑		seeing ~3"
80-84	DLTA	04:47	+16:58	12	10s, 2m	
82	COMP			↑		
83-84	DLTA	04:33	+25:20	12	20s, 3m	
85	COMP			↑		
86	SN1997E	06:47	+74:29	2	20m	bin by 2
87	COMP			↑	10s	
88	r010.Cl02	09:16	+34:10	59	7m	
89	COMP			↑		
90	r010.Cl01	09:14	+32:34	59	10m	
91	COMP			↑		
92	r010.Cl04	09:16	+33:31	59	5m	
93	COMP			↑		
94	r010.Cl06	09:16	+33:59	59	5m	

60 inch Telescope Log

Observer: PB

PI: Mahdavi

Spectrograph: FAST

Grating: 300L

Date: 3/1/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
95	COMP			↑		
96-97	Hiltner 600	06:42	+02:11	S6	45s	
98	COMP			↑		
99	r010.C1.07	09:16	+32:53	S9	8m	
100	COMP			↑		
101	r010.C1.08	09:16	+33:03	S9	8m	
102	COMP			↑		
103	r010.C1.09	09:16	+33:07	S9	7m	
104	COMP			↑		
105	r010.C1.10	09:16	+34:40	S9	5m	
106	COMP			↑		
107	r010.C1.12	09:17	+34:40	S9	4m	
108	COMP			↑		
109	r010.C1.13	09:17	+34:40	S9	5m	
110	COMP			↑		
111	r010.C1.14	09:17	+35:55	S9	7m	
112	COMP			↑		
113	r010.C1.15	09:17	+33:58	S9	5m	
114	COMP			↑		
115	r010.C1.16	09:17	+33:50	S9	6m	
116	COMP			↑		
117	r010.C1.17	09:18	+34:20	S9	8m	- Gmally - Ha
118	COMP			↑		
119	r010.C1.18	09:18	+34:33	S9	4m	
120	COMP			↑		
121	r010.C1.19	09:18	+33:25	S9	7m	Ha
122	COMP			↑		
123	r010.C1.22	09:19	+33:47	S9	6m	em
124	COMP			↑		
125	r010.C1.21	09:18	+34:51	S9	6m	

60 inch Telescope Log  
 Observer: PB  
 PI: Mahdavi & Kirchner  
 Spectrograph: FAST  
 Grating: 30R  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
126	COMP			↑		
127	1010-G123EW	09:19	+33:38	S9	9m	E comp strong em
128	COMP			↑		W comp = original target
129	1010-G124	09:19	+33:38	S9	5m	
130	COMP			↑		
131	1010-G125	09:19	+33:06	S9	6m	
132	COMP			↑		
133	1010-G126	09:20	+33:39	S9	5m	
134	COMP			↑		
135	1010-G128	09:20	+33:53	S9	6m	
136	COMP			↑		
137	1010-G129	09:20	+33:42	S9	5m	
138	COMP			↑		
139	1010-G130	09:20	+33:11	S9	5m	
140	COMP			↑		
141	1010-G131	09:21	+33:07	S9	6m	Delay @ 48"
142	COMP			↑		
143	1010-G132	09:21	+33:29	S9	12m	em
144	COMP			↑		
145	1010-G133	09:21	+33:25	S9	7m	
146	COMP			↑		
147	1010-G134	09:21	+33:18	S9	7m	em
148	COMP			↑		
149	1010-G136	09:22	+33:54	S9	7m	
150	COMP			↑		
151	1010-G137	09:22	+33:17	S9	6m	
152	COMP			↑		
153	1010-G141	09:23	+33:57	S9	5m	
154	COMP			↑		
155	SN1996cb	11:03	+28:54	2	20m	bm by 2

60 inch Telescope Log

Observer: PB

PI: Huchra/Kirshner/Wilkos/Geller

Spectrograph: FAST

Grating: 300L

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
156	COMP			↑		
157	A1253A	11:25	+42:30	1	12m	bin by 2 c=50k!
158	COMP			↑		faint comp to W
159	SN1997Y	12:45	+54:44	2	20m	bin by 2
160	COMP			↑		
161	Ferze 34	10:36	+43:21	6	2m	moon rise
162	COMP			↑		
163	MRK421	11:01	+38:28	6	4m	
164	COMP			↑		these spectra have
165	N4151	12:08	+39:41	6	30s	never looked better!
166	COMP			↑		with our super blue chip
167	N4051	12:00	+44:48	6	2m	
168	COMP			↑		
169	N4298	12:16	+47:34	6	2m	
170	COMP			↑		
171	Z002952E	11:41	+15:58	60	9m	em++
172	Z002953W	11:41	+15:58	60	3m	em++ star on slit
173	COMP			↑		
174	Z00325	11:42	+20:18	60	2m	
175	COMP			↑		
176	Z003916E	11:42	+20:07	60	3m	em
177	Z003916W	11:42	+20:07	60	6m	
178	COMP			↑		
179	AC0549N	11:42	+08:55	60	5m	em
180	AC0549S	11:42	+08:55	60	7m	wk em
181	COMP			↑		
182	Z00612S	11:42	+20:01	60	5m	em
183	COMP			↑		
184	Z00838Z	11:43	+17:44	60	2m	
185	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Geller/Kirshner

Spectrograph: FAST

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
186	Z006126	11:43	+19:44	60	2m	bright mean
187	COMP			↑		
188	Z013557	11:43	+21:39	60	6m	
189	COMP			↑		
190	Z009384W	11:43	+19:46	60	3m	
191	Z008354E	11:43	+19:46	60	7m	em
192	Z008354N	11:43	+19:46	60	4m	
193	COMP			↑		
194	Z000761	11:44	+19:56	60	2m	
195	COMP			↑		What a rich field!
196	Z007225N	11:44	+19:59	60	3m	Coma & Leo border
197	Z007225S	11:44	+19:59	60	2m	
198	COMP			↑		
199	Z007226N	11:44	+20:13	60	5m	
200	Z007226S	11:44	+20:13	60	3m	
201	COMP			↑		
202	SN1997X	12:48	-03:19	2	15m	bin by 2
203	COMP			↑		
204	13032p0749	13:05	+07:33	60	10m	em!
205	COMP			↑		
206	13276 p1046	13:30	+10:30	60	8m	
207	COMP			↑		
210	Z001873N	12:46	+30:43	60	5m	interacting pair
211	Z001873S	12:46	+30:43	60	3m	a la antennae galaxy
212	COMP			↑		
213	Z004650E	12:51	+35:23	60	3m	
214	Z004650W	12:51	+35:23	60	5m	
215	COMP			↑		
216	Z004650E	12:51	+35:23	60	4m	em +
217	Z004650W	12:51	+35:23	60	7m	em

→ 218 = H244  
209 = COMP

60 inch Telescope Log

Observer: PB  
 PI: Geller/Huchra

Spectrograph: FAST

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
218	COMP			↑		
219	20116385	12:57	+28:11	60	4m	
220	COMP			↑		
221	2010038E	12:57	+27:52	60	5m	
222	2010038W	12:57	+27:52	60	3m	
223	COMP			↑		
224	2013750	12:58	+26:54	60	3m	
225	COMP			↑		
226	N5548	14:15	+25:22	6	3m	
227	COMP			↑		
228	MRK279	13:51	+69:33	6	3m	
229	COMP			↑		
230	13373p7706	13:31	+77:06	1	9m	
231	COMP			↑		
232	N5295	13:38	+79:43	1	3m	
233	COMP			↑		
234	N5340	13:48	+72:53	1	3m	
235	COMP			↑		
236	13420p7234	13:43	+72:16	1	4m	em
237	COMP			↑		
238	13420p8315	13:43	+82:45	1	4m	
239	COMP			↑		nice comet out there
240	13440p80515	13:44	+80:51	1	5m	star on slit; broad em
241	COMP			↑		
242	13478p6904	13:47	+69:04	1	5m	
243	COMP			↑		
244	13488p7058	13:49	+70:43	1	4m	
245	COMP			↑		
246	13491p6849	13:49	+68:49	1	5m	em
247	COMP			↑		



60 inch Telescope Log

Observer: PB

PT: Huchra

Spectrograph: FAST

Grating: 302

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
248	13507 p6748	17:50	+67:48	1	5m	
249	COMP			↑		
250	14450 p7301	14:45	+73:01	1	5m	em
251	COMP			↑		
252	14503 p6613	14:50	+66:13	1	4m	em
253	COMP			↑		
254	14530 p7040	14:53	+70:40	1	4m	em
255	COMP			↑		
256-257	N5866	15:06	+58:57	57	2m	bright sky
258	COMP			↑		
259-268	BINS			56	03	
269-278	FLAT			56	6s	
279-288	BINS			0	03	binby2
289-298	FLAT			0	12s	binby2
299-303	DARK			0	15m	clear to dark!