

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>P Berlin</u>			Grating: <u>300L, 3" slit; bin by 4</u>		Page: <u>4493</u>	
PI: <u>Huchra-Shapiro/Kenyon</u>			Date: <u>3/25/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS	zenith		0	0s	clear skies!
11-20	FLAT	"		0	6s	
21-40	FLAT red	"		99	10s	For Huchra/Shapiro
41	COMP			99	5s	filt = 8600 λ_c \approx 9000 A ↓
42-46	sky red	zenith		99	5s	
47	COMP			↑	5s	
48-49	HR1099A B red	03:36	+00:35	99	2s, 5s	bin by 4 ↑
50	COMP			↑		
51-56	HR1099A B red	"	"	99	2s, 5s, 10s	bin by 2! close pair!!
57	COMP			↑	8s	
58-59	Hiltner 600 red	06:42	+02:11	99	2m	HR1099 - A B - companion
60	COMP			↑	8s	
61-62	G191 B2B red	05:01	+52:45	99	2m	
63	COMP			↑		
64-71	HR1099A B	03:36	+00:35	99	2.5, 10, 2	normal filt @ 607 ↓
72	COMP			↑	8s	
73, 74	Hiltner 600	06:42	+02:11	0	2m	
75	COMP			↑		
76, 77	G191 B2B	05:01	+52:45	0	2m	
78	COMP			↑		Bin by 2 ↑
79-81	UUAur	05:21	+32:30	12	5s, 20	Bin by 4 ↓
82	COMP			↑		
83-87	BX Mon	07:25	-03:35	12	10s, 20s	
88	COMP			↑		
86	11160 p 7305	11:19	+72:49	1	5m	
87	COMP			↑		
88	11166 p 7309	11:19	+72:53	1	4m	
89	COMP			↑		
90	11440 p 7057	11:46	+70:44	1	7m	Hf
91	COMP			↑		

1.18 gain
8.9 noise

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4494</u>		
Observer: <u>PB</u>		Grating: <u>3002</u>		Date: <u>2/25/86</u>		
PI: <u>Huchra & Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
92	11472 p7101	11:50	+70:45	1	10m	H α
93	COMP			↑		
94	11478 p7210	11:52	+69:53	1	6m	
95	COMP			↑		
96	11466 p7617	11:49	+76:20	1	4m	H α also obs 2/13/86
97	COMP			↑		
98	11470 p7807	11:49	+77:51	1	5m	
99	COMP			↑		
100	11488 p5343	11:51	+53:27	1	7m	
101	COMP			↑		
102	e99mCD	11:15	+29:45	3	8m	
103	COMP			↑		
104	e99mDC	11:17	+29:13	3	12m	
105	COMP			↑		
106	e99mFT	11:24	+29:20	3	12m	em
107	COMP			↑		
108	e99mGN	11:32	+29:20	3	12m	
109	COMP			↑		
110,112	e99mGO	11:32	+29:15	3	12m	15m x 2 weak
111,113	COMP			↑		Southern comp
114	e99mGV	11:33	+29:29	3	15m	
115	COMP			↑		
116	319.055777	11:45	+31:27	3	6m	
117	COMP			↑		
118	319.056100	12:02	+31:27	3	7m	nice
119	COMP			↑		
120	319.056219	11:37	+31:29	3	6m	
121	COMP			↑		
122	319.056286	11:56	+31:30	3	6m	also observed 2/24/86
123	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4495</u>	
Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Greller & Barton</u>			Date: <u>3/25/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
124	319.058850	11:42	+71:48	3	10m	em <i>pec</i>
125	COMP			↑		
126	319.060709	11:50	+72:01	3	8m	seeing ~2"
127	COMP			↑		
128	319.060819	11:55	+72:01	3	8m	em
129	COMP			↑		
130	319.061354	11:55	+72:01	3	8m	em
131	COMP			↑		
132	319.062419	11:38	+72:09	3	8m	
133	COMP			↑		
134	319.062961	11:39	+72:13	3	3m	
135	COMP			↑		
136	319.062849	12:01	+72:11	3	5m	strong metals
137	COMP			↑		
138	319.063018	12:01	+72:32	3	4m	poor seeing
139	COMP			↑		
140	319.063864	11:50	+72:21	3	6m	
141	COMP			↑		finishes the plate!
142	319.063650	11:59	+72:17	3	5m	check chart; this is
143	COMP			↑		an interacting pair
144	gr 4081 gal 3	11:37	+72:23	33	6m	aka a la Antennae
145	COMP			↑		em throughout
146	gr 4081 gal 5	11:38	+72:50	33	4m	
147	COMP			↑		
148	gr 4081 gal 6	11:37	+72:33	33	4m	
149	COMP			↑		
150	gr 4081 gal 7	11:39	+72:29	33	7m	Moon Set
151	COMP			↑		
152	gr 4081 gal 8	11:36	+72:42	33	12m	em
153	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4496</u>	
Observer: <u>PB</u>			Grating: <u>300R</u>		Date: <u>3/25/66</u>	
PI: <u>Bartolozzi, Falco, & Groszjan</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
154	gr 4061 gal 19	11:38	+21:22	33	20m	em - weak
155	COMP			↑		
156	gr 4061 gal 21	11:39	+22:22	33	20m	em
157	COMP			↑		
158	gr 4061 gal 22	11:38	+22:21	33	10m	em
159	COMP			↑		
160	gr 4061 gal 22	11:40	+21:49	33	10m	em
161	COMP			↑		
162	1200 p 608 N	12:03	+60:31	41	4m	NE Comp; weak features
163	COMP			↑		
164	1200 p 608 S	"	"	41	3m	SW Comp
165	COMP			↑		
166	gr 406 gal 11	12:41	+26:29	33	12m	em
167	COMP			↑		
168	gr 406 gal 12	12:40	+26:40	33	12m	weak em
169	COMP			↑		
170, 171	TXC Un	12:44	+36:45	12	10s, 20s	
172	COMP			↑		
173, 175	RW Hup	13:34	-25:22	12	2s, 10s, 30s	
176	COMP			↑		
177-179	150m 21 x 3873	14:16	-21:45	12	2s, 10s, 30s	
180	COMP			↑		seeing better
181-182	H 244	13:21	+36:25	0	1m	
183	COMP			↑		
184	14061 p 3707	14:06	+37:07	42	9m	high s/n for spec an. ↓
185	COMP			↑		
186	14032 p 3100	14:03	+32:58	42	12m	
187	COMP			↑		
188	14117 p 3729	14:11	+37:30	42	8m	
189	COMP			↑		

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PR SEX DGRIX

60 inch Telescope Log

Observer: PBPI: Grogan & Wilkesy KenyonSpectrograph: FASTGrating: 300RPage: 4477Date: 3/25/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
190	NS572	14:19	+76:08	42	10m	
191	COMP			↑		
192	14228p5828	14:22	+78:28	42	10m	
192	COMP			↑		
194	14275p3853	14:27	+78:53	42	20m	
195	COMP			↑		
196	14379p3143	14:37	+73:42	42	10m	Balmer
197	COMP			↑		
198	15316p2111	15:31	+21:10	42	4m	
199	COMP			↑		
200	15368p3707	15:36	+37:07	42	5m	
201	COMP			↑		
202	NS578	14:15	+75:22	6	2m	
203	COMP			↑		
204	MRK279	13:51	+69:33	6	90s	
205	COMP			↑		
206-213	HR510	13:34	+77:10	99	2s, 1.50s	
214	COMP			↑		
215-216	H244	13:21	+76:23	0	1m	
217	COMP			↑		
218-219	BDp 332642	15:50	+33:05	0	1m	
220	COMP			↑		
221-223	TLB	15:59	+25:55	12	1.5, 20s	
224	COMP			↑		
225-227	AGDrc	16:01	+66:48	12	1-30s	
228				↑		
229, 230	Hen 1341	17:04	-17:26	12	30s, 10s	
231	COMP			↑		
232-233	RSoph	17:50	-06:42	12	10s, 60s	
234	COMP			↑		

60 inch Telescope Log

Observer: PBPI: Kenyon & HuchraSpectrograph: FASTGrating: 300LPage: 4498Date: 3/25/96

Number	Object	R. A.	Dec.	L/R	Exp	Comments
235-236	CICygy	19:50	+35:41	12	20s, 1m	
237	COMP			↑		
238-245	HRS110red	13:34	+77:10	99	1s-10s	grating tilt = 860 ↓
246	COMP			↑		
247-248	H244red	13:21	+36:23	0	1m	
249	COMP			↑		
250-252	BDP 332642red	15:50	+33:05	0	1m, 2m	
253				↑		
254-256	HRS633	15:07	+18:27	0	2.5s	UBV SW
257	COMP			↑		
258-261	HRS936	15:55	+57:57	0	2.5s	
262	COMP			↑		
263-272	BIAS	zenith ↓		0	0s	
273-292	FLATred			99	10s	
293-302	BIAS			99	0s	bin by 2 ↓
303-322	FLATred			99	20s	
323-332	FLAT			0	12s	bin by 2 regular tilt = 60°
333-342	FLAT			0	6s	bin by 4
343	COMP					a few scattered clouds