

60 inch Telescope Log  
 Observer: P. Berthel  
 PI: Kirshner/Wilkes/Geller  
 Spectrograph: FAST  
 Grating: 300; 3" slit, 6mm by 4  
 Date: 7/25/95  
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
HO	ISAS					clear skies!
11-20	FLAT					
21-30	sky	zenith			Ss	
31	COMP			↑	10s	
32-3, 38, 42	HD136711	18:19:27	+18:39:03	0	Ss	
37, 43	COMP			↑		
44-46	H244	13:21:19.1	+32:33:38	0	90, 60s	
47	COMP			↑		
48	NISSAR	14:15:43	+25:22	6	2m	
49	COMP			↑		
50, 51	NY6663	12:28:00	+12:45:59	0	4m $z=1.75$	
52	COMP			↑		
53	PG1708p602	17:08:359	+60:13:52	6	2m	3C390.3 is just beyond telescope 1mm/25
54	COMP			↑		
55	328.041539	15:28:23	+28:13:49	3	8m	← finally - a new redshift!
56	COMP			↑		
57	3C3903	18:48:376	+79:47:06	6	2m	
58	COMP			↑		x2
59, 61	SN1994Y	13:53:30	+10:42:32	2	30m	it's there + faint, still has strong lines v2.15?
60, 62	COMP			↑		
63	328.043968	15:28:38	+28:19:54	3	4m	
64	COMP			↑		
65	328.045503	15:41:33	+28:26:45	3	5m	
66	COMP			↑		
67	328.04289	15:32:36.11	+28:27:16	3	5m	
68	COMP			↑		
69	328.047672	15:42:067	+28:32:329	3	4m	
70	COMP			↑		
71	328.048459	15:50:31	+28:33:32	3	5m	
72	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>3865</u>	
Observer: <u>P. Berlad</u>			Grating: <u>300</u>			
PI: <u>Gjeller &amp; Muchra</u>			Date: <u>7/25/85</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
73	328.049113	15:50:02.69	+28:35:291	3	5m	
74	COMP			↑		
75	328.049458	15:55:04.72	+28:3443.5	3	4m	
76	COMP			↑		
77	328.050278	15:36:40	+28:38:20	3	4m	
78	COMP			↑		
79	328.052418	15:43:13.65	+28:44:55.9	3	5m	H <sub>α</sub>
80	COMP			↑		
81	328.052838	15:35:05.75	+28:45:38	3	3m	
82	COMP			↑		
83	328.053773	15:36:07.6	+28:47:47	3	4m	
84	COMP			↑		
85	328.053927	15:39:02.17	+28:48:31	3	4m	H <sub>α</sub>
86	COMP			↑		
87	328.054189	15:40:46.3	+28:49:20.7	3	8m	
88	COMP			↑		
89	328.054527EW	15:51:37.75	+28:49:26.4	3	5m	3 galaxies on slit ○ ○
90	COMP			↑		
91	328.060640	15:28:51	+28:03:25	3	5m	
92	COMP			↑		
93	328.063018	15:48:06	+28:12:07	3	4m	
94	COMP			↑		
95	328.068978	15:54:12.71	+28:26:16.7	3	5m	
96	COMP			↑		
97	328.069345	15:40:22.84	+28:27:42	3	7m	
98	COMP			↑		
99	16541p623	16:54:30	+66:28:17	1	3m	
100	COMP			↑		bad seeing 3"
101	16542p6522	16:54:26.3	+66:17:16	1	15m	LSB H <sub>α</sub>
102	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>3866</u>	
Observer: <u>P. Berlind</u>			Grating: <u>300</u>		Date: <u>7/25/95</u>	
PI: <u>Huchra</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
103	16552p703T	16:54:50.4	+70:26:33	1	7m	H+
104	COMP			↑		
105	16588p6837	16:58:37	+68:32:35	1	4m	
106	COMP			↑		
107	N16456	17:42:28	+67:34:458	1	5m	
108	COMP			↑		
109	17425p6250	17:43:18	+62:48:46	1	4m	H+
110	COMP			↑		
111	17469p5926	17:47:34.9	+59:25:04	1	4m	
112	COMP			↑		
113	17473p6415	17:47:48	+61:40:05	1	6m	South comp H+
114	17473p641(N)	"	"	1	5m	North H+
115	COMP			↑		
116	17502p5702	17:51:02.9	+57:04:15.1	1	3m	
117	COMP			↑		
118	17503p6253	17:50:44	+62:52:18	1	3m	
119	COMP			↑		
120	17506p6250EW	17:50:59.7	+62:49	1	5m	triple! E+W comps
121	17506p6250N	"	"	1	4m	North comp
122	COMP			↑		
123	N16516	17:55:12.6	+62:31:58	1	3m	
124	COMP			↑		
125	17563p6513	17:56:27	+65:12:44	1	3m	
126	COMP			↑		
127	17566p6516	17:56:44.8	+65:15:45	1	3m	
128	COMP			↑		
129	17565p6235	17:56:50	+62:34:45	1	3m	
130	COMP			↑		
131	18006p6911	18:02:14.1	+69:11:06	1	4m	
132	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAB</u>		
Observer: <u>PS</u>				Grating: <u>30</u>		
PI: <u>Geller</u>				Date: <u>7/25/85</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
133,135	S19.083048	22-11-13	+12-06-40	3	5m	x2
134	COMP			↑		
136	S19.085211	22-11-13	+12-10-32	3	7m	
137	COMP			↑		
138	S19.098729	22-19-47	+12-34-33	3	10m	v=37.5K broad H $\alpha$
139	COMP			↑		
140	S19.099930	22-19-54	+12-36-51	3	5m	
141	COMP			↑		
142	S19.101513B	22-03-33.97	+12-58-53.7	3	5m	H $\alpha$
143	COMP			↑		
144	S19.102866	22-17-34.8	+12-44-59	3	10m	H $\alpha$
145	COMP			↑		
146	S19.106519	22-13-66.5	+12-48-21.9	3	5m	
147	COMP			↑		
148	S19.110112	22-15-27	+12-56-01	3	5m	weak
149	COMP			↑		
150	S19.114419	22-01-05	+13-01-03	3	10m	H $\alpha$
151	COMP			↑		
152	S19.114922	22-15-46.2	+13-03-16.1	3	15m	H $\alpha$ ; huge cosmic ray
153	COMP			↑		
154	S19.115232	22-18-23.9	+13-01-01.8	3	6m	v=35K
155	COMP			↑		
156,158	S19.115531	22-12-56.6	+13-04-34.8	3	7m	x2
157	COMP			↑		
159,161	163m217	00-40-33	+41-11-20	0	4m	-87,
160,162	COMP			↑		
163,164	225m280	00-41-45.1	+41-05-12	0	3m	-90
165	COMP			↑		
166,167	158m213	00-40-30.2	+40-50-55	0	4m	
168	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: All

Spectrograph: FAST

Grating: 300

Date: 7/25/95

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
<del>69</del>	COMP			↓		
<del>170, 171, 172</del>	N7331	22:34:46	+34:04:43	0	45s, 1m	nucleus
175	COMP			↑		
177-181	M32	00:39:58.2	+40:35:30	0	30s	
176, 182	COMP			↑		
183	COMP			↓		
184-188	M31	00:40:00	+40:51:42	0	30s	
189	COMP			↑		
190	V1057C <sub>9</sub>	20:58	+44:15	Z	3m	bright sky
191	COMP			↑		
192, 193	BD p284211	21:46	+25:37	Z	2m	
194	COMP			↑		
195-204	BIAS			0	0s	
205-214	FLAT			0	6s	
215-218	DARK			0	18m	