

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>S Jha</u>		Grating: <u>300 /mm</u>			Page: <u>6788</u>	
PI: <u>All/Wilkes/Huchra</u>		Date: <u>12/19/98</u>				
Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	DARK				15 <sup>m</sup>	binby4 ; pretty clear
11-20	BIAS				0 <sup>s</sup>	↓
21-30	FLAT				6 <sup>s</sup>	
31-40	FLAT				12 <sup>s</sup>	binby2
41-50	BIAS				0 <sup>s</sup>	↓
51-55	sky			57	5 <sup>s</sup>	binby4 clear
56	COMP			↑		
57-66	FLAT				20 <sup>s</sup>	1.1" slit
67	Feigell10	23 17 24	-05 26 22	56		3" slit
68	COMP			↑		
69	M31	00 40 00	40 59 42	57	60 <sup>s</sup>	
70	COMP			↑		
71	MRK509	20 41 26	-10 43 27	6	3 <sup>m</sup>	
72	COMP			↑		
73	N7469	23 03 15	08 52 25	6	150 <sup>s</sup>	star to the east
74	COMP			↑		
75	2M	02 26 10.7	26 28 M.4	68	20 <sup>m</sup>	star to the east
76	COMP			↑		
77	2M	02 34 51.9	20 16 19	68	15 <sup>m</sup>	
78	COMP			↑		
79	2M	02 33 57.5	19 10 19	68	12 <sup>m</sup>	star to the east
80	COMP			↑		
81	MRK335	00 03 45	19 55 27	6	3 <sup>m</sup>	
82	COMP			↑		
83	2M	02 49 57.3	12 43 42	68	12 <sup>m</sup>	
84	COMP			↑		
85	2M	02 13 40.3	19 15 25	68	12 <sup>m</sup>	
86	COMP			↑		
87	2M	02 29 53.4	23 08 50	68	8 <sup>m</sup>	
88	COMP			↑		

79 also, superposed star but gal has emission so we got ez

60 inch Telescope Log  
 Observer: S. Jha  
 PI: Huchra/Mahdavi/Koranyi/Garcia et al.  
 Spectrograph: FAST  
 Grating: 300 l/mm  
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
89	2M	02 28 28.7	22 24 59	68	8 <sup>m</sup>	
90	COMP			↑		
91	2M	02 47 01.1	14 52 43	68	12 <sup>m</sup>	
92	COMP			↑		
93	Srgb158.011	02 54 54	09 16 13	59	10 <sup>m</sup>	star to the west
94	COMP			↑		
95	Srgb158.013	02 55 01	10 05 53	59	18 <sup>m</sup>	
96	COMP			↑		
97	Srgb158.014	02 55 04	09 06 38	59	15 <sup>m</sup>	
98	COMP			↑		
99	Srgb158.019	02 55 42	09 19 24	59	8 <sup>m</sup>	
100	COMP			↑		
101	Srgb156.020	02 55 45	10 16 06	59	8 <sup>m</sup>	
102	COMP			↑		
103	awm7_4.030	02 45 32	41 33 46	35	15 <sup>m</sup>	superficial star but strong galaxy emission
104	COMP			↑		
105	awm7_4.038	02 45 43	42 00 38	35	20 <sup>m</sup>	
106	COMP			↑		
107	awm7_4.042	02 45 36	42 09 27	35	8 <sup>m</sup>	042 is to the east row +40
"	awm7_4.041	02 45 32	42 09 27	35	"	041 is to the west row -2
108	COMP			↑		
109	CICam	04 14 42	55 59 58	107	2 <sup>s</sup>	
110	"	"	"	107	20 <sup>s</sup>	
111	"	"	"	107	90 <sup>s</sup>	
112	COMP			↑		
113	α539.051536p0711	05 15 36	07 11 53	64	15 <sup>m</sup>	
114	COMP			↑		
115	α539	05 15 45	04 23 24	64	8 <sup>m</sup>	
116	COMP			↑		
117	α539	05 15 54	04 45 06	64	8 <sup>m</sup>	

107- 041      02 45 32.391 +40 09 27.65  
 108 042      02 45 36.340 +40 09 27.30

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6790</u>
Observer: <u>S. Jha</u>				Grating: <u>300 /mm</u>		
PI: <u>Geller/Kenyon/Huchra/Mahdavi</u>				Date: <u>12/19/98</u>		
Number	Object	R. A.	Dec.	L/R	Exp	Comments
118	COMP			↑		
119	a539	05 17 44	05 34 13	64	20 <sup>m</sup>	
120	COMP			↑		
121	a539	05 17 50	05 17 17	64	12 <sup>m</sup>	
122	COMP			↑		
123	a539	05 17 48	03 38 50	64	20 <sup>m</sup>	
124	COMP			↑		
125	a539	05 18 23	04 25 09	64	20 <sup>m</sup>	
126	COMP			↑		
127	DGTau	04 29 05	26 06 16	12	10 <sup>s</sup>	
128	"	"	"	12	2 <sup>m</sup>	
129	COMP			↑		
130	DLTau	04 33 39	25 20 39	12	20 <sup>s</sup>	
131	"	"	"	12	3 <sup>m</sup>	
132	COMP			↑		
133	DRTau	04 47 05	16 58 37	12	20 <sup>s</sup>	
134	"	"	"	12	3 <sup>m</sup>	
135	COMP			↑		
136	2M	05 22 13.9	18 04 25	68	5 <sup>m</sup>	
137	COMP			↑		
138	2M	05 27 53.7	19 51 47	68	8 <sup>m</sup>	
139	COMP			↑		
140	2M	05 10 50.4	16 28 34	68	6 <sup>m</sup>	
141	COMP			↑		
142	2M	05 13 21.3	20 15 26	68	10 <sup>m</sup>	
143	COMP			↑		
144	2M	05 00 52.1	22 09 59	68	8 <sup>m</sup>	
145	COMP			↑		
146	nrqs027.049	09 14 26	17 58 14	59	20 <sup>m</sup>	very faint
147	COMP			↑		

60 inch Telescope Log  
 Observer: S. Jha Wilkes  
 PI: Mahdavi/Kirshner/Koranyi/All  
 Spectrograph: FAST  
 Grating: 300 1/m  
 Date: 12/19/98  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
148	nrqs027.056	09 15 15	17 46 05	59	15 <sup>m</sup>	seeing worse ~3"
149	COMP			↑		
150	nrqs027.065	09 16 01	17 35 21	59	6 <sup>m</sup>	
151	COMP			↑		
152	nrqs027.066	09 16 01	17 49 09	59	5 <sup>m</sup>	
153	COMP			↑		
154	nrqs027.067	09 16 04	17 37 40	59	7 <sup>m</sup>	
155	COMP			↑		
156	sn97eg	13 11 36	22 55 29	2	20 <sup>m</sup>	binby2
157	"	"	"	2	20 <sup>m</sup>	↓
158	COMP			↑	12 <sup>s</sup>	
159	awml-040	09 16 47	20 10 05	35	10 <sup>m</sup>	binby4
160	COMP			↑		
161	awml-042	09 17 30	20 10 59	35	15 <sup>m</sup>	star to the west
162	COMP			↑		
163	Feyje34	10 36 41	43 21 50	56	150 <sup>s</sup>	binby2
164	COMP			↑	12 <sup>s</sup>	↓
165	mbw2-008	10 26 51	-03 27 51	35	17 <sup>m</sup>	binby4 bright sky
166	COMP			↑		
167-176	BIAS			0	0 <sup>s</sup>	
177-186	FLAT				6 <sup>s</sup>	
187-196	FLAT					binby2
197-206	BIAS					↓
207-216	DARK					

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