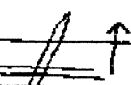


60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4300</u>	
Observer: <u>PB</u>			Grating: <u>3002, 3514, 6mby4</u>			
PI: <u>All/Geller</u>			Date: <u>1/13/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	clear skies!!
11-20	FLAT			0	6s	
21-25	sky			0	2s	5%6
26	COMP			↑	5s	
27-30	HD7561	01:16	+25:46	0	3s	
31	COMP			↑		
32-35	HD1750	00:46	+46:14	0	10s	
36	COMP			↑		
37-39	HD5235	00:54	+58:33	0	10s	
40	COMP			↑		
41-43	M32	00:39	+40:35	0	30s	
44	COMP			↑		
45-47	M31	00:40	+40:59	0	30s	
48	COMP			↑		
49-50	M31 sky	00:40	+42	0	30s	
51	COMP			↑		
52-54	HD21086b	22:54	+62:37	0	5s	
55	COMP			↑		
56	MRK 335	00:00	+19:55	6	90s	
57	COMP			↑		
58,59	Z2SM280	00:41	+41:05	0	4m	
60	COMP			↑		
61	S22.065897	23:21	+13:07	3	8m	H _α
62	COMP			↑		
63	S22.065258	23:16:49	+13:05	3	9m	H _α
64	COMP			↑		
65	S22.066627	23:15:07	+13:10	3	9m	H _α
66	COMP			↑		
67	S22.067160	23:26	+13:11	3	9m	nice lines
68	COMP			↑		

nice
for 1.1k

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>300L</u>			Page: <u>4301</u>	
PI: <u>Geller/Koranyi/Huchra</u>		Date: <u>1/13/66</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
69	S22.067833	23:21	+13:14	3	9m	H α
70	COMP			↑		
71	S22.069301	23:24	+13:18	3	12m	H α
72	COMP			↑		
73	S23.065723	23:49	+13:11	3	12m	
74	COMP			↑		
75	S23.058428	23:55	+12:48	3	8m	H α ; redo from 12/27
76	COMP			↑		Seeing worse
77	S23.058274	23:51	+12:48	3	10m	H α
78	COMP			↑		
79	465.011779	00:36	+10:35	3	9m	VEGUS sets 8:35
80	COMP			↑		RT system crashed! focus jumped!
81	465.011685	00:29	+10:35	3	8m	strong H α
82	COMP			↑		Note: 2 objects on slit ↓
83	465.011351A/B	00:31	+10:33	3	10m	object 1 = 465.011351 = row 30 A
84	COMP			↑		object 2 = 465.011359 = row 59 B
85	awm7_2.172	02:57	+41:31	35	20m	redo from 12/28
86	COMP			↑		Note: After RT system crash;
87	K034.05	01:47	+37:33	1	10m	fast fix size 1200; but 1200 is not!
88	COMP			↑		focus really is 1200; move to
89	K1034.0088e	01:47	+36:15	1	12m	H α 1100 then back to 1200
90	COMP			↑		
91	K039.07	01:50	+35:36	1	20m	H α
92	COMP			↑		
93	K10300078	01:45	+36:29	1	10m	Nice
94	COMP			↑		
95	K041.14	01:51	+37:39	1	20m	4 objects on slit
96	COMP			↑		
97	K037.07	01:46	+36:53	1	15m	
98	COMP			↑		* on slit to W

File 82
only off from

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>3002</u>		Page: <u>4302</u>	
PI: <u>Falco / Geller / Huchra</u>			Date: <u>11/3/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
99	K10400048e	01-51	+37-42	1	10m	H α
100	COMP			↑		
101	K10410018e	01-51	+33-56	1	12m	
102	COMP			↑		
103	07117p3813	07-11	+38-13	1	20m	H α @ pix 2051
104	COMP			↑		faint edge on gal: 
105	0806p350	08-09-38.9	+34-55-37	41	10m	binby 2
106	COMP			↑		3 subjects on slit
107, 109	0718p374	07-22-016	+37-22-286	41	15m	row 82 → 76
108, 110	COMP			↑		→ • • • H α @ pix 2607!
111, 113	0707p424	07-10-44.3	+42-20-55	41	15m	QSO L α SO
112, 114	COMP			↑		moon rise
115	315.037944	10-19	+29-45	3	9m	
116	COMP			↑		
117	315.041921	10-14	+30-10	3	8m	
118	COMP			↑		
119	315.042016	10-19	+30-08	3	10m	H α
120	COMP			↑		
121	315.042380	10-12	+30-13	3	6m	Wow - AGN!
122	COMP			↑		stellar nucleus w/ fuzz
123	315.044505	10-18	+30-24	3	10m	+ companions
124	COMP			↑		c τ = 16,000 km/sec
125	315.045049	10-10	+30-29	3	9m	
126	COMP			↑		
127	315.050633	10-09	+31-04	3	8m	
128	COMP			↑		
129	315051380	10-15	+31-26	3	9m	finishes the plate!
130	COMP			↑		
131	Z3219A	10-29-02	+27-28-55	1	10m	Seyfert
132	COMP			↑		

1.16
8.86

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4303</u>		
Observer: <u>PB</u>		Grating: <u>300R</u>		Date: <u>1/13/96</u>		
PI: <u>Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
133	316.006595	10:37:12	+26:31:75	3	7m	
134	COMP			↑		
135	316.006806	10:24	+26:33	3	7m	
136	COMP			↑		Weak features
137	316.026719N	10:24	+28:02	3	4m	Well defined nucleus
138	316.026719S	10:24	+28:01	3	10m	Weak H α
139	COMP			↑		
140	316.026719Y	10:25	+28:00	3	7m	
141	COMP			↑		
142	316.033533	10:46	+28:28	3	8m	
143	COMP			↑		
144	316.033650	10:45	+28:29	3	7m	
145	COMP			↑		
146	316.033605	10:23	+28:29	3	10m	
147	COMP			↑		
148	316.026699	10:24	+28:01	3	9m	
149	COMP			↑		
150	316.000526	10:34	+26:05	3	10m	
151	COMP			↑		
152	316.002465	10:40	+26:12	3	10m	H α
153	COMP			↑		
154	316.00318	10:35	+26:15	3	12m	H α
155	COMP			↑		
156	316.00894	10:25	+26:28	3	10m	
157	COMP			↑		Windy
158	316.007539	10:36	+26:35	3	8m	
159	COMP			↑		
160	316.007601	10:36:11	+26:36:22	3	8m	
161	COMP			↑		
162	316.009849	10:20	+26:45	3	8m	Weak H α

Moon: 13:50 -10

60 inch Telescope Log

Observer: PJBSpectrograph: FASTGrating: 3002Page: 4304PI: Geller/KemmanDate: 1/13/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
163	COMP			↑		
164	316.00974	10:28	+76:47	3	15m	Hk
165	COMP			↑		
166	316.015432	10:37	+77:12	3	9m	
167	COMP			↑		
168	316.016690	10:42	+77:16	3	8m	
169	COMP			↑		
170	316.018743	10:44	+77:27	3	9m	
171	COMP			↑		
172	N5548	14:15	+25:22	6	2m	
173	COMP			↑		
174	MRK279	13:51	+69:33	6	90s	
175	COMP			↑		
176	N461	12:08	+39:41	6	30s	
177	COMP			↑		
178	TXCUn	12:42	+37:02	12	1m	
179	COMP			↑		
180-182	TCrB	15:57	+24	12	2.5, 5, 20s	
183	COMP			↑		
184-186	AG Dra	16:01	+66	12	2-20s	
187	COMP			↑		
188-189	HZ44	13:21	+36:23	0	1m	
190	COMP			↑		
191-192	Fer34	10:36	+43:21	0	1m	
193	COMP			↑		
194-197	RW Hya	13:31	-25:07	12	1s-10s	
198	COMP			↑		clear + windy
199-200	M84	12:25	+12:53	0	30s	@ dawn
201	COMP			↑		
202-203	M86	12:26	+12:57	0	30s	
204	COMP			↑		
205-214	BIAS			0		
215-224	FLAT			0	6s	
225-244	Bias + Flats in bin by 2 mode			41	12s	