

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4133</u>	
Observer: <u>P. Berling</u>			Grating: <u>300</u>		Date: <u>11/29/95</u>	
PI: <u>Wilkes/Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	clouds to south
11-20	FLAT			0	6s	
21-25	sky			0	2s	
26-27	COMP			↑	5s	fast foc = 960
28,29	RR Lyr	19:25	+42:47	0	2s	
30	COMP			↑		
31,32	N7311			1	2m	
33	COMP			↑		
34,35,36	BD 028424	21:49:57	+29:57	0	30s	dome moved during *37
37	COMP			↑		
38	3C 390.3	19:45	+79:43	6	2m	
39	COMP			↑		
40	MRK 335	00:03:41	+19:55:27	6	1m	
41	COMP			↑		
42,43	225m 280	00:41:45.1	+41:05:12	0	5m	id checked
44	COMP			↑		
45,46	163m 217	00:40:33.3	+41:11:20	0	5m	"
47	COMP			↑		bright mean
48	464.048186	00:18:31.5	+12:12:33.8	3	15m	H α @ pit 2340
49	COMP			↑		
50	464.052019	00:16:17.64	+12:24:37.1	3	15m	H α
51	COMP			↑		
52	464.075155	00:02:02.81	+13:29:25	3	15m	finishes the green dots from the plate!
53	COMP			↑		
54	467.025376	01:12:41.68	+11:24:16.2	3	10m	
55	COMP			↑		
56	467.025450	01:18:26.17	+11:36:10.1	3	10m	
57	COMP			↑		
58	467.025458	01:24:40.54	+11:37:03.4	3	10m	H α
59	COMP			↑		



Mon 23:16 - 61

9.09

1.21

60 inch Telescope Log
 Observer: PB
 PI: Geller

Spectrograph: FAST
 Grating: 300R
 Date: 11/29/95

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
60,64	467.029662w	01:26:43.92	+11:40:00.7	3	10m, 5m	2 galaxies on slit Ha
61,65	COMP			↑		#2 is 467.029616
62	467.032350	01:20:09.98	+11:51:42	3	15m	superposed gals w/
63	COMP			↑		gal 1 = 11,000 km/s
66	467.032359	01:22:46	+11:51:27	3	8m	gal 2 = 18,900 km/s !
67	COMP			↑		Ha
69	467.034762w	01:26:55.06	+12:00:23.7	3	12m	2 galaxies on slit
69	COMP			↑		#2 is 467.34762
70	467.635521	01:27:31.87	+12:10:31.9	3	7m	
71	COMP			↑		
72	467.038296	01:27:41.01	+12:12:52.1	3	6m	
73	COMP			↑		
74	467.040484	01:28:48.28	+12:21:26.7	3	5m	
75	COMP			↑		
76	467.041939	01:19:52.62	+12:54:46.5	3	10m	
77	COMP			↑		
78	467.044551	01:20:02.57	+12:57:58.4	3	7m	
79	COMP			↑		
80	467.045009	01:20:24.62	+12:59:44.2	3	8m	
81	COMP			↑		
82	469.068535	01:57:02.86	+13:19:29.5	3	10m	Ha
83	COMP			↑		
84	469.071302	01:58:22.82	+13:21:29.5	3	10m	seeing 2-3"
85	COMP			↑		
86	469.071581	02:19:13.4	+13:28:52.6	3	2m	*
87	COMP			↑		
88	469.070112	02:08:56.7	+10:44:16.5	3	15m	Ha; bright star @ E end of slit
89	COMP			↑		
90	03289p 3105 A	03:25:57.9	+31:05:50	30	10m	star on slit 5" to E Ha
91	COMP			↑		

file 90 both objects on slit appear to be stars. there does seem to be emission but it is above both objects on slit not associated with a continuum

nebulae bridge w/ Ha emission + N+S

emission lines @ not 2w

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>302</u>			Page: <u>4135</u>	
PI: <u>Kenyon/Karanyi</u>		Date: <u>11/29/95</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
92	03276p302Z	03:27:40.3	+30:22:36	30	5m	F Tauri *! H α emission
93	COMP			↑		H α , H β
94	03380p3135A	03:38:41.6	+31:35:02	30	4m	•-A
95	03380p3135B	"	"	30	8m	•-B
96	COMP			↑		
97	03388p3139A	03:38:50.5	+33:19:12	30	5m	H α NE • very close double
98	03388p3139B	"	"	30	6m	H α SW •
99	COMP			↑		
100	03245p300Z	03:24:34.9	+30:02:36	30	15m	H α nebulosity to South of * *
101	COMP			↑		
102	03385p3109	03:38:31.9	+31:09:30	30	15m	E+W comps
103	COMP			↑		
104	03390p3158A	03:39:00.9	03:39:02.9	30	32s	
105	03390p3158B	"	"	30	15m	
106	COMP			↑		
107	awm7-2.134	02:55	+41:59	35	10m	
108	COMP			↑		
109	awm7-2.136	02:55	+41:32	35	5m	other *'s on slit
110	COMP			↑		
111	awm7-2.137	02:55	+40:49	35	8m	
112	COMP			↑		
113	awm7-2.142	02:56:25	+41:07:56	35	10m	
114	COMP			↑		
115	aw7-2.143	02:56	+41:16	35	10m	
116	COMP			↑		
117	awm7-2.144	02:56	+41:47	35	8m	H α
118	COMP			↑		
119	awm7-2.145	02:56	+41:34	35	7m	
120	COMP			↑		
121	awm7-2.146	02:56	+41:39	35	10m	

97 + 98 - both stars -
 dont see any H α -
 why? what
 is wrong here ???

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4137</u>		
Observer: <u>P. Berling</u>		Grating: <u>3002</u>		Date: <u>11/30/95</u>		
PI: <u>Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	clear!
11-20	FLAT			0	6s	bright moon
21-25	sky			0	2s	
26-27	COMP			↑		FAST fix = 940
28-32	HD198858	20:49	+47:31	0	5s	def + trailed
33	COMP			↑		
34-38	HD198858			-		test for Nelson + Amato
39-40	M731	22:21	+34	0	2m	
41	COMP			↑		42-44 = BD: 284211
45	MRK335	00:03:45	+19:55:27	6	1m	
46	COMP			↑		
47-49	M31	00:40	+40:59	0	30s	
50	COMP			↑		
51-53	M31 sky	nearby		0	30s	
54	COMP			↑		
55-57	M32	00:39:56	+40:35:30	0	30s	
58	COMP			↑		
59,60	225m280	00:41	+41:05	0	5m	Ouch I just smashed
61	COMP			↑		my finger, Susan if
62-63	158m213	00:40	+41		5m	my handwriting looks worse
64	COMP			↑		than usual tonight
65	520.054661	22:30:12.5	+13:25:04	3	10m	HL epik 2311
66	COMP			↑		Susan: I don't like these
67	520.03576	22:34:26.84	+11:15:151	3	10m	3 exposures any more than
68	COMP			↑		you do; but they are the
69	467.045021	01:18:59.01	+12:39:44.2	3	8m	last of the plate left over
70	COMP			↑		from last week.
71	467.045044	01:14:13	+12:40:03	3	10m	HL bright sky!!
72	COMP			↑		
73	467.045267	01:19:29	+12:40:44	3	7m	* to W

sky's too much; greener
proton's
elsewhere

Moon W +2

1.17

8.9

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>4138</u>	
Observer: <u>PB</u>			Grating: <u>3028</u>		Date: <u>11/30/95</u>	
PI: <u>Bertan</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
74	COMP			↑		
75	gal 921 gal 30	01:22	+32:41	33	7m	H α
76	COMP			↑		
77	gal 32	01:22	+34:26	33	3m	H α
78	COMP			↑		
79	gal 33	01:22	+33:58	33	8m	
80	COMP			↑		
81	gal 34	01:22	+33:24	33	8m	
82	COMP			↑		
83	gal 35	01:22	+33:11	33	15m	
84	COMP			↑		
85	gal 36	01:23	+33:31	33	10m	H α
86	COMP			↑		
87	gal 37	01:23	+33:33	33	10m	
88	COMP			↑		
89	gal 38	01:23	+33:22	33	8m	
90	COMP			↑		
91	gal 39	01:23	+33:12	33	2m	
92	COMP			↑		
93	gal 40	01:23	+33:04	33	6m	
94	COMP			↑		
95	gal 43	01:23	+32:37	33	8m	H α @ pix 2083.42
96	COMP			↑		
97	gal 44	01:33	+31:34	33	10m	
98	COMP			↑		
99	gal 45	01:23	+33:24	33	8m	
100	COMP			↑		
101	gal 46	01:23	+33:35	33	5m	
102	COMP			↑		
103	gal 47	01:23	+22:39	33	5m	

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60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>4139</u>		
Observer: <u>FB</u>		Grating: <u>3002</u>		Date: <u>11/30/95</u>		
PI: <u>Barton/Goodman</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
104	COMP			↑		bright moon
105	gal 49	01:23.58	+33-18-48	33	4m	
106	COMP			↑		
107	gal 50	01-23	+33-19	33	15m	
108	COMP			↑		
109	gal 51	01-24	+33-23	33	10m	
110	COMP			↑		
111	gal 52	01-24	+33-46	33	10m	
112	COMP			↓		
113, 114	gal 54	01-24	+33-47	33	4m	Ho nice rot curve
115	071061	04-22	24-45	37	2m	
116	071062	04-22	24-41	37	3m	
117	071063	04-22	24-37	37	2m	
118	071064	04-22	24-34	37	4m	
119	071065	04-22	24-29	37	5m	
120	COMP			↑		
121	071071	04-22	25-04	37	5m	
122	071072	04-22	25-02	37	6m	
123	071073	04-22	24-57	37	7m	
124	071074	04-22	24-53	37	7m	
125	071075	04-22	24-49	37	5m	
126	COMP			↑		
127	101091	04-22	25-44	37	3m	
128	101092	"	25-42	37	5m	
129	101093	"	25-36	37	8m	
130	101094	"	25-32	37	90s	
131	101095	"	25-27	37	3m	
132	COMP			↑		
133	111101	04-22	+26-02	37	1m	
134	111102	04-22	+25-58	37	4m	

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>302</u>			Page: <u>4140</u>	
PI: <u>Goodman/Broad</u>		Date: <u>11/30/95</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
135	111103	07:27	25:55	37	5m	
136	111104	"	25:51	37	5m	
137	111105	"	25:48	37	10m	
138	COMP			↑		
139	121111	04:22	26:25	37	2m	
140	121112	04:22	26:21	37	6m	
141	121113	04:22	26:15	37	6m	
142	121114	04:22	26:11	37	2m	
143	121115	04:22	26:08	37	2m	
144	COMP			↑		
145	L1544B.9	05:06:49	+24:24:55	38	1m	
146	COMP			↑		
147	L1544B.4g	05:02:27.6	+24:45:22	38	12m	Flu - broad
148	COMP			↑		
149	L1544B.7g	05:04:03	+24:35:36	38	5m	H _γ , Ca emission
150	COMP			↑		
151	L1544A9e	05:02	+24:46	38	9m	
152	L1544A9d	"	"	38	10m	extra * slit - no Ha
153	COMP			↑		
154	L1544A9f	05:02	+24:46	38	6m	
155	L1544A-9a	"	"	38	6m	
156	L1544A-9c	"	"	38	12m	
157	L1544A-9b	"	"	38	10m	
158	COMP			↑		
159	L1544A.5b	05:01	+25:14	38	12m	
160	COMP			↑		
161	0531p15	05:24:26	+15:06:15	1	5m	
162	COMP			↑		
163/167	0530p17	05:30	+17:12	1	5m	7m x 2
164/168	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>EAST</u>			
Observer: <u>PB</u>			Grating: <u>3000</u>		Page: <u>4141</u>	
PI: <u>Huchra/Celler</u>			Date: <u>11/30/95</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
165	0531p20	5:31	+20:12	1	7m	Main set
166	COMP			↑		
169	0533p15	05:33	+15:27	1	7m	Hk pri 2070
170	COMP			↑		
171	0533p09	05:33	+07:02	1	5m	
172	COMP			↑		
173	0534p16	05:34	+16:13	1	5m	
174	COMP			↑		
175	0534p14	05:34	+14:38	1	10m	
176	COMP			↑		
177	0555p08	05:55	+08:23	1	7m	
178	COMP			↑		
179	0556p35	05:56	+35:45	1	10m	Hk
180	COMP			↑		
181	0557p30	05:57	+30:40	1	10m	
182	COMP			↑		
183	312.042920	08:40:39	+28:34:47	3	10m	
184	COMP			↑		
185	312.043558	08:58:35	+28:33:03	3	10m	
186	COMP			↑		
187	312.046870	09:03:20.51	+28:41:43	3	8m	
188	COMP			↑		
189	312.068822	09:46:34	+29:53:07	3	8m	
190	COMP			↑		
191	312.072284	08:46	+30:03	3	8m	
192	COMP			↑		
193	312.084831	08:41	+30:42	3	10m	Hk
194	COMP			↑		
195	312.090335	08:57	+30:58	3	10m	
196	COMP			↑		

60 inch Telescope Log

Observer: PD
 PI: Geller/Wilkes/Briano

Spectrograph: FAST

Grating: 300R

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Date: 11/30/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
197	312.09217	08:44.3	+31:08:16	3	10m	
198	COMP			↑		
199	312.09312	08:47.11	+31:08:58	3	10m	
200	COMP			↑		
201,202	Ferpe34	10:31	+43:21	0	30s	
203	COMP			↑		
204	NY61	17:08	+59:41	6	30s	
205	COMP			↑		
206	AS355	08:40:26	+19:13:09	38	90s	
207	COMP			↑		
208	AS455	08:46:47	+19:27:31	38	2m	
209	COMP			↑		
210,211	AS463	08:41:54.5	+19:15:26	38	30s	
212	COMP			↑		
213,214	AS486	08:42:22	+19:27:46	38	30s	
215	COMP			↑		
216,217	AS531	08:43:20	+19:46:09	38	30s	
218	COMP			↑		
219-228	BIAS			0	0s	
229-238	FLAT			0	6s	
						clear @ dawn
						END OF FAST RUN