

Start of FAST Run

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>Aberlund</u>		Grating: <u>300; 3" slit; binby 4</u>			Page: <u>4364</u>	
PI: <u>Geller & Krishnaer & Paraja</u>		Date: <u>2/9/96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	clouds to S+W
11-20	FLAT			0	6s	
21-25	SKY			0	2s	Fast Foc = 1220
26	COMP			↑	5s	
27-29	M32	00:39	+40:35	0	30s	
30	COMP			↑		
31-32	N1023	02:40	+39:04	0	90s	
33	COMP			↑		
34,36	471.026821	03:02	+10:50	3	8m/10m	x2
35,37	COMP			↑		
38	471.027681	02:45	+10:53	3	8m	
39	COMP			↑		
40	471.027682	02:57	+10:53	3	8m	
41	COMP			↑		
42	471.029008	03:10	+10:56	3	12m	HK
43	COMP			↑		
44	471.030377	02:52	+11:00	3	12m	HK
45	COMP			↑		
46	471.031174	02:53	+11:02	3	9m	nice lines
47	COMP			↑		
48	471.032264	02:45	+11:07	3	15m	LSB
49	COMP			↑		
50,52,54	SN1995bd	04:45	+11:04	2	20m	bin by 2 x3
51,53,55				↑		
56-59	Hiltner 600	06:42	+02:11	0	30s	x4
60	COMP			↑		
61,63	W153	05:53	+28:25	43	10m, 15m	x2
62,64	COMP			↑		
65	W158	05:57	+28:22	43	15m	
66	COMP			↑		

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*8.71
1.16*

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>3002</u>		Page: <u>4365</u>	
PI: <u>Pantaja/Kirshner/Geller</u>			Date: <u>2/9/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
67	W135	05:40	+33:11	43	12m	star close to gal to E
68	COMP			↑		
69	W191	06:22	+10:28	43	15m	
70	COMP			↑		Moon's up
71	W134	05:37	+33:11	43	15m	2 days before
72	COMP			↑		last quarter
73	W132	05:39	+33:30	43	15m	
74	COMP			↑		
75,77	SN1995al	09:50	+33:30	2	20m	bm by 2 +2
76,78	COMP			↑		
79	318.023085	11:10	+28:28	3	7m	em
80	COMP			↑		
81	318.023602	11:15	+28:32	3	4m	
82	COMP			↑		
83	318.023867	11:10	+28:33	3	6m	
84	COMP			↑		
85	318.024222	11:16	+28:37	3	6m	
86	COMP			↑		
87	318.024913	11:10	+28:40	3	6m	
88	COMP			↑		
89	318.011219	11:10	+27:13	3	5m	em++
90	COMP			↑		
91	318.011445	11:20	+27:17	3	5m	
92	COMP			↑		
93	318.013618	11:25	+27:31	3	10m	
94	COMP			↑		
95	318.014132	11:10	+27:32	3	6m	
96	COMP			↑		
97	318.014321	11:12	+27:33	3	5m	
98	COMP			↑		

890-ROCK

60 inch Telescope Log

Observer: FBPI: GellerSpectrograph: FASTGrating: 300RDate: 2/9/96Page: 4366

Number	Object	R.A.	Dec.	L/R	Exp	Comments
99	318.014579	11:12	+27:34	3	5m	bright moon
100	COMP			↑		
101	318.014605	11:12	+27:35	3	4m	CD?
102	COMP			↑		
103	318.014914	11:12	+27:37	3	4m	
104	COMP			↑		
105	318.014956	11:12	+27:37	3	5m	
106	COMP			↑		
107	318.015273	11:11	+27:39	3	6m	
108	COMP			↑		
109	318.015294	11:12	+27:40	3	5m	
110	COMP			↑		
111	318.016269	11:15	+27:46	3	6m	H ₂
112	COMP			↑		
113	318.017011	11:12	+27:50	3	5m	
114	COMP			↑		
115	318.018373	11:12	+28:00	3	5m	H ₂
116	COMP			↑		
117	318.020414	11:21	+28:14	3	5m	
118	COMP			↑		
119,123	318.021289	11:26	+28:20	3	5m	7m x2
120,124	COMP			↑		
121	318.035420	11:19	+28:47	3	5m	
122	COMP			↑		
125	318.035771	11:13	+28:48	3	6m	
126	COMP			↑		
127	318.036124	11:22	+28:52	3	6m	
128	COMP			↑		
129	318.036493	11:28	+29:54	3	8m	em
130	COMP			↑		

60 inch Telescope Log

Observer: PD

PI: Geller/Huchra/Wilkens/Kemp

Spectrograph: FAST

Grating: 3002

Date: 2/9/96

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
131	318.037523	11:23	+30:02	3	7m	H _α
132	COMP			↑		
133	318.038572	11:15	+30:06	3	5m	
134	COMP			↑		
135	318.039058	11:21	+30:11	3	6m	
136	COMP			↑		
137	318.039774	11:33	+30:55	3	6m	
138	COMP			↑		
139	10317p4453	10:34	+44:37	1	5m	chased off this plate by the moon;
140	COMP			↑		at least until I can point w/ the zone open to the W
141	10319p4532	10:34	+45:16	1	3m	
142	COMP			↑		
143	10321p4500	10:35	+44:44	1	4m	
144	COMP			↑		
145	10322p4452	10:35	+44:26	1	5m	H _α
146	COMP			↑		
147	10326p6248	10:36	+67:32	1	7m	H _α
148	COMP			↑		
149	10346p5516	10:37	+55:40	1	6m	
150	COMP			↑		
151-153	Feze34	10:36	+43:21	0	1m	no clouds
154	COMP			↑		~
155	MRK421	11:01	+38:28	6	4m	
156	COMP			↑		
157	M4051	12:00	+44:48	6	2m	
158	COMP			↑		
159	M4151	12:08	+39:41	6	32s	
160	COMP			↑		Moon @ R2H _α
161-163	TXC11a	12:42	+37:02	12	15s, 1m	
164	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>3002</u>		Page: <u>4368</u>	
PI: <u>Greller/Huchra/Wilkos/Kenyon</u>			Date: <u>2/9/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
165	318.04787	11:35	+70:43	3	5m	OK; back to business
166	COMP			↑		
167	318.044022	11:10	+70:42	3	6m	
168	COMP			↑		
169	318.044035	11:09	+70:42	3	7m	
170	COMP			↑		
171	318.044097	11:34	+70:46	3	5m	Fast Foc = 1200
172	COMP			↑		
173	318.045401	11:35	+70:53	3	6m	
174				↑		
175	318.046453	11:09	+70:59	3	6m	
176	COMP			↑		
177	318.047605	11:14	+71:09	3	6m	
178	COMP			↑		
179	Comet A96B1	13:06	+49:49	99	12m	Szczepanski
180	sky	13:06	+49:51	99	10m	
181	COMP			↑		
182	N5548	14:15	+75:22	6	2m	
183	COMP			↑		
184	MRK209	13:51	+69:33	6	90s	
185	COMP			↑		
186-187	H244	13:21	+76:23	0	45s	
188	COMP			↑		
189-191	TCrB	15:57	+26:03	12	1,5,30s	
192	COMP			↑		
193-195	AG Dra	16:01	+66:56	12	1,3,30s	
196	COMP			↑		
197-199	VY Her	18:12	+20:58	12	1,60,5s	
200	COMP			↑		clear @ dawn!
201-203	VY43 Her	18:22	+23:27	12	60,50	

extracted 179 in regular way (ie with sky subtracted)
 copied 179 to 253 - extracted with sky subtracts
 multiplied file 180 x 1.2 - extracted with 253
 as reference also subtracted for 253 with 20m

