

# Re-aligned FAST CCD Today!

60 inch Telescope Log

Observer: P. Berlind  
 PI: J. Huchra / M. Geller

Spectrograph: FAST  
 Grating: 3002, 3" slit  
 Date: 9/11/94

Page: 3155

Number	Object	R A.	Dec.	L/R	Exp	Comments
1	test					rain + 1/2
2-4	DARK				10m	clearing after sunset
5-14	BIAS				0s	focus @ 1000
15-24	FLAT				0.1s	bin by 1
25-28	AGK2p24	1701:05.72	+24:55:05.3	0	10s, 30s	std 2 stars here
29	COMP			↑	10s	cloud + moon
30-33	HD 198958	20:49:50.71	+17:31:07.1	0	5s, 15s	→ SAO 84795
34	COMP			↑	10s	
35	RXJ17074p7831B	1707:21.2	+78:31:15	99	15m	B H <sub>α</sub>
36	COMP			↑		
37	RXJ17074p7831C	"	"	99	10m	C
38	COMP			99		
39	RXJ17047p7831A	"	"	99	15m	A
40	COMP			↑		
41	RXJ17047p7831D	"	"	99	10m	D
42	COMP			↑		
43	S20.069423	22:19:47.57	+12:34:35.8	3	8m	screamer! H <sub>α</sub>
44	COMP			↑		v <sub>r</sub> 37,500 km/s ≈ 0.125
45	S20.076168	22:23:51.75	+12:51:36.9	3	5m	
46	COMP			↑		
47	S20.081249	22:26:29.2	+13:01:15.3	3	5m	screamer! v = 39800 km/s
48	COMP			↑		≈ 0.133
49	S20.063794	22:24:44.36	+12:21:38.8	3	5m	H <sub>α</sub>
50	COMP			↑		
51	S20.064757	22:27:44.97	+12:24:11.7	3	5m	H <sub>α</sub>
52	COMP			↑		
53	S20.069383	22:41:34.97	+12:34:48.7	3	5m	
54	COMP			↑		
55	S20.081402	22:38:42.92	+13:04:44.4	3	5m	
56	COMP			↑		

30-33 spectrum is double peaked - why? are these two stars here?? extracted as one

25-28 same thing - also extracted as one

966-1040220

## 60 inch Telescope Log

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
57	S20.084961	22:36:55.24	+13:13:32.6	3	5m	
58	COMP			↑		
59	S20.085554	22:33:01.4	+13:15:01.3	3	5m	
60	COMP			↑		
61	S20.059495	22:29:22.36	+12:11:34.5	3	10m	H <sub>α</sub>
62	COMP			↑		
63	S20.063378	22:32:02.6	+12:20:51.2	3	5m	
64	COMP			↑		
65	S20.052090	22:42:12.66	+11:52:36.7	3	5m	
66	COMP			↑		
67	S20.057359	22:39:36.13	+12:05:55.8	3	5m	
68	COMP			↑		
69	S20.058480	22:39:06.27	+12:06:47.2	3	5m	H <sub>α</sub>
70	COMP			↑		
71	S22.016364	23:22:26.98	+10:32:32.1	3	5m	
72	COMP			↑		
73	S22.017816	23:23:05.5	+10:37:07.7	3	5m	
74	COMP			↑		moon set
75	S22.019086	23:23:23.59	+10:41:01.8	3	5m	
76	COMP			↑		
77	S22.022425	23:22:58.61	+10:52:12.7	3	5m	H <sub>α</sub>
78	COMP			↑		
79	S22.022642	23:30:29.86	+10:51:44.0	3	5m	H <sub>α</sub>
80	COMP			↑		
81	S22.024732	23:08:03.9	+10:51:01.3	3	5m	
82	COMP			↑		
83	S22.024857	23:32:09.64	+10:58:23.3	3	2m	its a star; no fuzzball apparent in field
84	COMP			↑		
85	S22.025429	23:18:12.06	+11:01:29.2	3	6m	H <sub>α</sub>
86	COMP			↑		

## 60 inch Telescope Log

Observer: P. BerlindPI: M. GellerSpectrograph: FASTGrating: 3002, 3"Date: 9/11/94Page: 3157

Number	Object	R. A.	Dec.	L/R	Exp	Comments
87	S22.025978	23:32:11.89	+11:06:41.7	3	8m	H $\alpha$ ISR ↓
88	COMP			↑		
89	S22.027332	23:29:31.23	+11:06:22.3	3	5m	H $\alpha$
90	COMP			↑		
91	S22.025368	23:23:26.62	+11:01:03	3	4m	
92	COMP			↑		
93	S22.027179	23:09:29.33	+11:06:35.4	3	4m	
94	COMP			↑		
95	S23.063091	23:45:02.77	+13:03:37.7	3	5m	
96	COMP			↑		
97	S23.063491	23:55:46.12	+13:08:45.8	3	5m	
98	COMP			↑		
99	S23.063790	23:49:21.62	+13:05:23.3	3	5m	
100	COMP			↑		
101	S23.063911	23:44:21.12	+13:06:14.5	3	5m	scyfert
102	COMP			↑		
103	S23.064902	23:55:45.13	+13:08:01.9	3	5m	
104	COMP			↑		
105	S23.065221	23:55:28.47	+13:09:08.5	3	5m	star to W on slit
106	COMP			↑		
107	S23.068212	23:47:59.14	+13:19:15.1	3	5m	H $\alpha$
108	COMP			↑		
109	S23.068233	23:54:54.32	+13:18:13.2	3	5m	
110	COMP			↑		
111	S23.070527	23:49:35	+13:26:20.4	3	5m	companion on slit to W
112	COMP			↑		
113	S23.070715	23:55:41.61	+13:26:10.9	3	5m	
114	COMP			↑		
115	S3411353	01:20:22.2	+33:13:43	22	5m	S3 Poor Clustered
116	COMP			↑		

60 inch Telescope Log

Observer: P. BerlindPI: IanSpectrograph: FASTGrating: 3002Date: 9/11/94Page: 3/58

Number	Object	R. A.	Dec.	L/R	Exp	Comments
117	S3411357	01:20:54.1	+33:09:21	22	8m	S7
118	COMP			↑		
119	S3411358	01:21:10.1	+33:04:17	22	10m	S8
120	COMP			↑		
121	S3411359	01:20:34.5	+33:07:16	22	5m	S9
122	COMP			↑		
123	S34113510	01:21:38.4	+33:04:30	22	7m	S10
124	COMP			↑		
125	S34113511	01:21:23.1	+33:08:18	22	15m	S11 H <sub>α</sub>
126	COMP			↑		
127	S3411358	01:21:10.1	+33:04:17	22	10m	S8 again - it needed it
128	COMP			↑		
129	S34113513	01:21:47.2	+32:55:28	22	7m	S13 ct3
130	COMP			↑		
131	S34113514	01:21:58.2	+33:05:06	22	15m	S14
132	COMP			↑		
133	S34113516	01:20:33.7	+33:03:16	22	10m	S6 star - gal
134	COMP			↑		
135	S34113512	01:20:11.5	+33:01:55	22	15m	S12 H <sub>α</sub>
136	COMP			↑		
137	S3411351	01:20:04.1	+33:09:09	22	5m	S1
138	COMP			↑		
139, 141	S3411352	01:20:17.9	+32:55:47	22	5m	S2 x2 star?
140	COMP			↑		
142	S3411354	01:20:39.5	+32:49:22	22	5m	S4 <sup>-star</sup> -4
143	COMP			↑		
144	S3411355	01:21:36.6	+33:08:51	22	5m	S5
145	COMP			↑		
146	S34113515	01:20:25.2	+33:08:54	22	10m	S15 H <sub>α</sub>
147	COMP			↑		

