

★ Start of FAST Run★

60 inch Telescope Log

Observer: P. Berlind

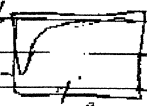
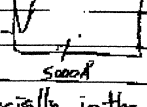
PI: Geller

Spectrograph: FAST

Grating: 3000; 3° slit; bank 7

Date: 1/30/97

Page: 5210

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	
11-20	FLAT			0	6s	CCD UV flood appears
21-30	BIAS			0	0s	worse than it was last run
31-40	FLAT			0	12s	
41-45	sky	Zenith		57	2s	100% 
46	COMP			↑		50% 
47-49	HD 11443	01:53	+29:34	57	1s	especially in the far blue
50	COMP			↑		
51-53	HD 13174	02:09	+25:56	57	1s	
54	COMP			↑		
56-57	HD 13611	02:13	+08:50	57	2s	
58	COMP			↑		clear skies!
59-61	HD 13476	02:13	+58:33	57	4s	
62	COMP			↑		variable seeing 2-4"
63-64	Znd	23:33	+48:49	12	4s, 6s	
65	COMP			↑		
66-67	ARAr	01:36	+51:15	12	5s, 6s	
68	COMP			↑		
69-70	DRFe	04:47	+16:58	12	10s, 2m	
71	COMP			↑		
72-73	DRFe	04:33	+25:20	12	20s, 3m	
74	COMP			↑		
75	MRK335	00:03	+19:55	6	2m	
76	COMP			↑		
77-79	NGC 1700	04:34	+04:36	57	3m	
80	COMP			↑		
81	46604767	00:58	+12:50	3	15m	
82	COMP			↑		
83	466.034123	01:02	+11:55	3	20m	SE Comp only
84				↑		

60 inch Telescope Log

Observer: P. BerlindPI: Geller & KirshnerSpectrograph: FASTGrating: 3002Date: 1/30/97Page: 5211

Number	Object	R. A.	Dec.	L/R	Exp	Comments
85	470.041885	02:21	+12:22	3	11m	em+
86	COMP			↑		
87	468.043677	01:51	+12:36	3	20m	old redo; H α per 2207
88	COMP			↑		
89	469.053727	02:06	+12:31	3	20m	old redo
90	COMP			↑		
91	470.026692	02:40	+11:18	3	20m	
92	COMP			↑		
93	470.037771	02:42	+12:04	3	20m	
94	COMP			↑		
95	AKN120	05:13	-00:52	6	2m	
96	COMP			↑		
97	531.036717	02:53	+06:32	55	7m	
98	COMP			↑		
99	531.036758	02:59	+06:31	55	6m	em
100	COMP			↑		
101	531.039582	03:03	+06:45	55	8m	
102	COMP			↑		
103	SN1996bg	05:58	+68:27	2	20m	bin by 2
104	COMP			↑	10s	
105	SN1997E	06:47	+74:29	2	20m	bin by 2
106	COMP			↑	10s	
107	N2258	06:47	+74:29	2	3m	1997E best exp!
108	COMP			↑		
109-110	Hiltner 60	06:42	+02:11	56	46s	1.15
111	COMP			↑		
112	Z011367E	09:17	+19:54	60	3m	
113	Z011367D	09:17	+19:54	60	5m	
114	COMP					

97 is a little odd: can see emission lines in 2d; can't see them clearly in extracts. ~~Ex~~ Velocity broad only ok - but em. broad em, which is very weak, doesn't look right.

60 inch Telescope Log

Observer: PBPI: Geller/KoranyiSpectrograph: FASTGrating: 300RPage: 5212Date: 11/30/97

Number	Object	R. A.	Dec.	L/R	Exp	Comments
115	Z01012S	09:19	+33:44	60	3m	
116	Z01012N	09:19	+33:50	60	5m	em
117	COMP			↑		
118	Z00400	09:27	+44:30	60	4m	em+
119	COMP			↑		
120	N001779	09:33	+33:38	60	3m	
121	COMP			↑		seeing blowing up
122	Z00846W	09:23	+22:18	60	4m	W
123	Z00846E	09:23	+22:18	60	12m	E
124	COMP			↑		nice cluster
125	Z00846SN	09:23	+22:18	60	5m	N
126	Z00846SM	09:23	+22:18	60	5m	M sup & N
127	COMP			↑		
128	Z010930W	09:37	+01:05	60	10m	= MRK 707 <u>Sys 1</u>
129	COMP			↑		
130	Z007581S	09:37	02:45	60	3m	
131	Z007581M	09:37	02:45	60	3m	em @ pr220t
132	Z007581M2	09:37	02:45	60	10m	LSB em 211Z
133	COMP			↑		
134	N00066Y	09:45	+09:46	60	10m	em
135	COMP			↑		Moon is up
136	mkwls_01	09:20	+01:02	35	4m	
137	COMP			↑		
138	mkwls_02	09:19	+00:56	35	3m	
139	mkwls_03	09:19	+00:56	35	5m	
140	COMP			↑		
141	mkwls_07	09:19	+00:57	35	12m	em
142	COMP			↑		
143	mkwls_04	09:21	+01:28	35	7m	
144	COMP			↑		

60 inch Telescope Log

Spectrograph: FASTObserver: PBGrating: 300RPage: 52/3PI: Karanjji & HuchraDate: 1/30/97

Number	Object	R.A.	Dec.	L/R	Exp	Comments
145	mkWls_05	09:20	+01:17	35	10m	
146	COMP			↑		
147	mkWls_08	09:18	+01:20	35	12m	em
148	COMP			↑		
149	Feige 34	10:36	+43:21	56	2m	
150	COMP			↑		
151	10269p6131	10:30	+61:31	1	7m	em+
152	COMP			↑		
153	10285p6241	10:28	+62:41	1	7m	em
154	COMP			↑		
155	10297p5700	10:29	+57:00	1	5m	
156	COMP			↑		
157	10298p6446	10:29	+64:46	1	8m	em
158	COMP			↑		
159	10303p6804	10:30	+68:04	1	4m	
160	COMP			↑		
161	10306p5719SW	10:30	+57:19	1	4m	
162	10306p5719NE	10:30	+57:19	1	7m	
163	COMP			↑		
164	10307p5940	10:30	+59:40	1	7m	faint comp to W also on slit
165	COMP			↑		
166	10310p7107	10:19	+71:07	1	5m	
167	COMP			↑		
168	10170p885	10:17	+88:55	1	8m	em
169	COMP			↑		
170	10316p7255	10:31	+72:55	1	5m	
171	COMP			↑		
172	10337p7216A	10:33	+72:16	1	5m	A=N
173	10337p7216B	10:33	+72:16	1	10m	B=M em
174	COMP			↑		

60 inch Telescope Log

Observer: PBPI: Huchra & Kirshner & GellerSpectrograph: FASTGrating: 300RDate: 1/30/97Page: 5214

Number	Object	R. A.	Dec.	L/R	Exp	Comments
175	10337p7216C	10:33	+72:16	1	7m	C=5
176	COMP			↑		
177	10344p7228	10:34	+72:28	1	7m	em
178	COMP			↑		
179	10370p7012	10:37	+70:12	1	7m	em
180	COMP			↑		
181	10390p8110	10:39	+81:10	1	7m	wk em piz 2064 + K mag
182	COMP			↑		
183	10397p7923	10:39	+79:23	1	6m	
184	COMP			↑		
185	10407p7628	10:40	+76:28	1	6m	em++
186	COMP			↑		
187	SN1996cb	11:03	+28:54	2	20m	bin by 2
188	COMP			↑		
189	321.013257	12:44	+27:10	3	6m	star w/ faint fuzz (* off slit)
190	COMP			↑		H α pix 2120!!
191	321.018589	12:44	+27:29	3	15m	em+
192	COMP			↑		old records: #180, 21, 57, 185
193	J13009p2716	13:00	+27:16	3	12m	bright comp to NE
194	COMP			↑		
195	323.068513	13:39	+31:11	3	15m	
196	COMP			↑		
197	SN1996cc	14:31	+49:57	2	20m	bin by 2
198	COMP			↑		
199	N001104	14:22	+40:25	3	10m	wk
200	COMP			↑		
201	N5548	14:15	+25:22	6	3m	
202	COMP			↑		
203	H244	13:21	+76:23	56	2m	
204	COMP			↑		

60 inch Telescope Log

Observer: P. BerndPI: HuchraSpectrograph: FASTGrating: 3002Date: 11/31/97Page: 5216

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BTAS			0	0s	
11-20	FLAT			0	6s	
21-30	BTAS			0	0s	
31-40	FLAT			0	12s	
41-45	sky	zenith		57	2s	a few scattered clouds
46	COMP			↑		
47-49	HD 2905	00:32	+62:55	57	1s	
50	COMP			↑		
51-53	HD 3360	00:36	+53:53	57	1s	
54	COMP			↑		
55-57	HD 3901	00:42	+50:30	57	1s	
58	COMP			↑		
59-61	HD 3651	00:39	+21:15	57	2s	
62	COMP			↑		
63-65	ZAnd	Z33	+48:49	12	3s, 6s	
66	COMP			↑		
67-69	AXPer	01:36	+54:15	12	5, 9s, 2m	
70	COMP			↑		
71-72	DLTen	01:47	+16:58	12	10, 3m	
73	COMP			↑		
74-75	DLTen	01:33	+29:20	12	20s, 4m	seeing 2"
76	COMP			↑		
77	MRK 335	00:03	+19:55	6	2m	
78	COMP			↑		
79	014914 p3799	01:49	+77:59	25	11m	em
80	COMP			↑		
81	014739 p3503	01:47	+35:03	25	20m	old 1000
82	COMP			↑		
83	014739 p35725	01:47	+36:37	25	20m	
84	COMP			↑		

60 inch Telescope Log

Observer: ABSpectrograph: FASTGrating: 3002PI: Gretter / Kisher / HuchraDate: 1/31/97Page: 5217

Number	Object	R.A.	Dec.	L/R	Exp	Comments
85	470.045472	02:37	+12:37	3	8m	em
86	COMP			↑		
87	470.051302	02:23	+13:04	3	8m	clear skies
88	COMP			↑		
89	470.051410	02:33	+13:04	3	8m	em H
90	COMP			↑		
91	470.053676	02:26	+13:14	3	9m	
92	COMP			↑		
93	470.055423	02:27	+13:22	3	10m	
94	COMP			↑		
95	470.054326	02:42	+13:16	3	9m	wk em
96	COMP			↑		
97	RXJ 0515p0104	05:15:41	+01:04:39	2	15m	XTE simulcast
98	COMP			↑		
99	03243p1225	03:24:19	+12:22	1	5m	* to N
100	COMP			↑		
101	03410p1409	03:41	+14:09	1	5m	
102	COMP			↑		
103	531.036695	02:56	+06:31	SS	9m	
104	COMP			↑		
105	531.035384	02:58	+06:25	SS	9m	em
106	COMP			↑		
107	531.039315	02:52	+06:45	SS	4m	
108	COMP			↑		
109	531.036914	03:06	+06:31	SS	9m	em H
110	COMP			↑		
111	531.047266	03:04	+07:24	SS	9m	wk H+ pix 2175
112	COMP			↑		
113	531.049291	03:04	+07:36	SS	5m	em +
114	COMP			↑		

60 inch Telescope Log

Observer: PBPI: Koranyi/GellerSpectrograph: FASTGrating: 302Page: 5218Date: 1/31/97

Number	Object	R.A.	Dec.	L/R	Exp	Comments
115-116	Hiltner 600	06:42	+02:11	56	45s	
117	COMP			↑		
118	A0752	09:10:23.1	+35:26:03	1	20m	22% S&K0 K-k
119	COMP			↑		seeing worse
120	mkwls_06	09:17	+01:03	35	15m	
121	COMP			↑		
122	mkwls_09	09:19	+01:02	35	7m	bin by 2 supt - ?
123	COMP			↑		
124	mkwls_10	09:19	+01:50	35	10m	
125	COMP			↑		
126	mkwls_11	09:18	+01:23	35	15m	em+
127	COMP			↑		
128	mkwls_12	09:18	+00:38	35	15m	em
129	COMP			↑		
130	mkwls_13	09:20	+00:36	35	20m	LSB em
131	COMP			↑		
132	mkwls_14	09:19	+01:02	35	11m	
133	COMP			↑		
134	mkwls_15	09:19	+01:19	35	20m	V. LSB wk em dk
135	COMP			↑		
136	mkwls_16	09:18	+01:08	35	12m	
137	COMP			↑		
138	mkwls_17	09:18	+01:12	35	20m	LSB em
139	COMP			↑		
140	Z009461	09:48	+02:27	60	12m	em+; also comp to W-M*
141	COMP			↑		moon is up; N wind
142	Z012792	09:47	+01:42	60	9m	em++
143	COMP			↑		
144	Z008085	09:53	+07:50	60	6m	em
145	COMP			↑		

Went
underground

60 inch Telescope Log

Observer: PBSPI: GellerSpectrograph: FABGrating: 3002Date: 11/3/97Page: 5219

Number	Object	R.A.	Dec.	L/R	Exp	Comments
146	Z004387	09:53	+07:51	60	5m	
147	COMP			↑		
148	N000807N	09:53	+07:52	60	5m	em
149	N000807S	09:53	+07:49	60	5m	wk
150	COMP			↑		
151	N002782	09:42	+14:39	60	5m	
152	COMP			↑		
153	Z006036E	10:03	+10:44	60	7m	
154	Z006036W	10:03	+10:44	60	10m	wk em
155	COMP			↑		
156	Z009788N	10:06	+14:17	60	4m	
157	Z009788S	10:06	+14:17	60	6m	
158	COMP			↑		↑↑ wind
159	Z04092N	09:38	+48:33	60	3m	seeing 2"
160	Z04092S	09:38	+48:33	60	8m	em
161	COMP			↑		
162	Z01895	09:49	+44:06	60	4m	
163	COMP			↑		
164	Z011795N	09:46	+34:00	60	6m	em+
165	Z011795S	09:46	+34:00	60	6m	
166	COMP			↑		
167	Z006296N	09:57	+46:20	60	5m	
168	Z006296S	09:57	+46:20	60	5m	
169	COMP			↑		
170	N000702	10:01	+37:15	60	7m	L93 em
171	COMP			↑		
172	Fergo34	10:36	+43:21	56	2m	
173	COMP			↑		
174	MRK421	11:01	+38:28	6	5m	
175	COMP			↑		

60 inch Telescope Log

Observer: PBSpectrograph: FASTPI: GellerGrating: 300RPage: 5220Date: 1/31/97

Number	Object	R. A.	Dec.	L/R	Exp	Comments
176	A000201	10:14	+14:29	60	4m	
177	COMP			↑		
178	Z008367N	10:14	+14:32	60	5m	
179	Z008367S	10:14	+14:32	60	5m	
180	COMP			↑		
181	A000925	10:15	+21:03	60	10m	em
182	COMP			↑		
183	Z003537	10:18	+38:28	60	5m	em
184	COMP			↑		
185	Z005480	10:22	+76:31	60	5m	em
186	COMP			↑		
187	Z006300	10:22	+76:35	60	5m	
188	COMP			↑		
189	Z006241E	11:09	+29:33	60	4m	
190	Z006241W	11:09	+29:33	60	6m	
191	COMP			↑		
192	Z004644E	11:10	+76:57	60	4m	
193	Z004644W	11:10	+76:57	60	4m	
194	COMP			↑		
195	Z007366N	11:10	+28:18	60	3m	
196	Z007366S	11:10	+28:15	60	4m	
197	COMP			↑		
198	Z007368E	11:10	+28:41	60	4m	
199	Z007368W	11:10	+28:41	60	5m	
200	COMP			↑		seeing blurring up
201	A000602E	11:10	+28:41	60	5m	
202	A000602W	11:10	+28:41	60	10m	
203	A000602S	11:10	+28:41	60	4m	
204	COMP			↑		

