

60 inch Telescope Log

Observer: P. BerlindPI: McClintock / GellerSpectrograph: FASTGrating: 3002/12002Date: 2/5/95Page: 3503

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	clear skies!
11-20	FLAT			0	10s	300l; 3"
21	COMP				2m	*st
22	FLAT1200B			13	1m	1200 line; 2" slit ↓
23	COMP			↓	2m	
24	Hilt102B	01:05:53.8	+62:31:32	13	2m	mic = 350; blue
25	COMP			↓	2m	
26	JO-Blue	00:17	+21:40	13	15m	
27	BIAS			13	0s	
28	FLAT1200R			13	30s	mic = 705; red ↓
29	COMP			↓	11s	decent seeing v1.5"
30	JO-Red			13	15m	
31	COMP			↓	11s	
32	Hilt102R	01:05	+62:31	13	2m	bright moon
33	BIAS			13	0s	
34	472.075073	03:32:57.28	+13:07:36.2	3	5m	300l; 3" slit ↓ Hilt
35	COMP			↑		
36	473.025820	03:40:58.24	+10:44:07.9	3	5m	Hilt
37	COMP			↑		
38	473.027952	03:55:50.93	+0:48:38	3	5m	comp on slit to W
39	COMP			↑		
40	473.040468	03:47:49.6	+11:32:30.5	3	7m	LSB cnts?
41	COMP			↑		weak H $\alpha$ @ 2109
42	473.644135	03:53:29.15	+11:44:45.3	3	5m	
43	COMP			↑		
44	473.067609	03:32:57.23	+13:07:37.8	3	5m	
45	COMP			↑		
46	U04292	08:12:12	+79:23:60	1	3m	sup * to W. difficult to adjust
47	COMP			↑		sky bright up here, too
48	U4335	08:16:54	+54:16:00	1	2m	

Moon 1.50 +12

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Observer: P. BerlindPI: HuchraSpectrograph: FASTGrating: 3022Date: 2/5/95Page: 3504

Number	Object	R. A.	Dec.	L/R	Exp	Comments
49	COMP			↑		bright sky
50	08168p5639	08:16:18	+56:39:00		1m	
51	COMP			↑		
52	U4339	08:19:00	+62:48:00		5m	
53	08194p6226	08:19:24	+62:26:00		4m	
54	COMP			↑		
55	08202p5330	08:20:12	+53:30:00		2m	H <sub>α</sub>
56	COMP			↑		
57	U4379	08:20:30	+61:42:00		5m	H <sub>α</sub>
58	COMP			↑		
59	08223p6004	+08:22:18	+60:04:00		3m	
60	COMP			↑		
61	08194p7440	08:19:24	+74:40:00		4m	H <sub>α</sub>
62	COMP			↑		
63	08220p7534	08:22:00	+75:34:00		5m	H <sub>α</sub> v. diff to get 2nd
64	COMP			↑		
65	08210p8114	08:21:00	+81:14:00		4m	
66	COMP			↑		
67,69	08130p8506	08:13:00	+85:06:00		5m	x2 H <sub>α</sub> @ 2003
68	COMP			↑		
70	U04297	08:13:00	+85:47:00		2m	
71	COMP			↑		
72	U04396	08:23:00	+84:29:00		10m	H <sub>α</sub>
73	COMP			↑		
74	U4423	08:24:54	+74:51:00		5m	H <sub>α</sub> + cosmic ray
75	COMP			↑		
76	08249p7100	08:24:54	+71:00:00		3m	
77	08253p7104	08:25:18	+71:04:00		3m	
78	COMP			↑		
79	08250p7018	08:25:00	+70:18:00		3m	H <sub>α</sub>

## 60 inch Telescope Log

Observer: P. BerlindPI: Huchra/GellerSpectrograph: FASTGrating: 3002; 3"Date: 2/5/95Page: 3505

Number	Object	R. A.	Dec.	L/R	Exp	Comments
80	COMP			↑		photometric; bright main
81	08256p6913	08:25:36	+69:13:40	1	3m	
82	COMP			↑		
83	08287p6158S	08:28:42	+61:58:20	1	4m	Hk @ 2030 ~3450Å/s
84	08287p6158N	08:28:42	+61:58:40	1	5m	fainter north comp Hk
85	COMP			↑		
86	08170p8609	08:17:40	+86:09:40	1	10m	
87	COMP			↑		
88	08180p8607	08:18:40	+86:07:40	1	10m	X
89	COMP			↑		
90	404454	08:29:40	+80:44:40	1	4m	*burst
91	COMP			↑		
92	08299p5659	08:29:54	+56:59:40	1	4m	Hk
93	COMP			↑		
94	313.065167	09:11:22.79	+30:05:45.2	3	4m	Hk
95	COMP			↑		
96	314.068433	09:27:57.88	+30:40:57.7	3	5m	+2 ↓
97	COMP			↑		
98	314.068896	09:28:01.13	+30:02:11	3	4m	
99	COMP			↑		
100	314.068433	09:27:57.88	+30:10:37.7	3	10m	it needed more time
101	COMP			↑		
102	314.072785	09:28:31.47	+30:15:13.3	3	4m	
103	COMP			↑		
104	314.074875	09:28:22.63	+30:22:23.6	3	4m	
105	COMP			↑		
106	314.077396	09:28:09.69	+30:31:48.5	3	5m	Moon set!
107	COMP			↑		
108	314.081210	09:46:40.27	+30:44:42.1	3	5m	
109	COMP			↑		

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Observer: P. BerlindPI: Geller/HuchraSpectrograph: FASTGrating: 300Date: 2/5/95Page: 3506

Number	Object	R. A.	Dec.	L/R	Exp	Comments
110	314.081793	09:37:51.82	+30:47:58	3	5m	H $\alpha$ ISR $\downarrow$
111	COMP			$\uparrow$		clear; seeing ~2'
112	314.081854	09:37:50.55	+30:47:22	3	5m	
113	COMP			$\uparrow$		
114	314.084436	09:30:11.06	+30:56:59.9	3	5m	H $\alpha$
115	COMP			$\uparrow$		
116	314.085089	09:26:35.57	+30:57:22.5	3	5m	
117	COMP			$\uparrow$		
118	314.087185	09:53:16.38	+31:04:06.6	3	5m	H $\alpha$
119	COMP			$\uparrow$		
120	314.088343	09:39:39.2	+31:11:21.4	3	5m	
121	COMP			$\uparrow$		
122	314.090094	09:47:48.25	+31:16:38.4	3	5m	
123	COMP			$\uparrow$		
124	313.081134	09:29:25.54	+30:59:39.5	3	5m	on Emilio's to do list (email)
125	COMP			$\uparrow$		delay looking for plate flaws/objects
126	314.092655	09:40:16.94	+31:27:40.6	3	5m	
127	COMP			$\uparrow$		
128, 130	A065013	08:35:21	+36:55:53	9	10m	x2
129, 131	COMP			$\uparrow$		
132	314.095152	09:34:25.29	+31:36:48.1	3	5m	K+H
133	COMP			$\uparrow$		
134	314.095939	09:34:32.81	+31:36:21.5	3	5m	
135	COMP			$\uparrow$		
136	314.096419	09:32:51.31	+31:41:42.5	3	5m	
137	COMP			$\uparrow$		
138	314.100793	09:30:56.76	+31:58:40.5	3	4m	
139	COMP			$\uparrow$		
140	314.102068	09:30:24.47	+32:04:43.7	3	5m	
141	COMP			$\uparrow$		

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Observer: P. BerlindPI: GellerSpectrograph: FASTGrating: 300Page: 3507Date: 2/5/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
142	314.102402	09:30:27.8	+32:05:20	3	5m	
143	COMP			↑		
144	314.102472	09:28:58.57	+32:05:15.9	3	5m	Needs more x2
145	COMP			↑		
146	314.104806	09:30:38.57	+32:14:53.7	3	5m	
147	COMP			↑		
148	314.102472	09:28:58.57	+32:05:15.9	3	10m	redo
149	COMP			↑		
150	314.106080	09:29:08.57	+32:18:51.4	3	4m	
151	COMP			↑		
152	314.107315	09:31:11.57	+32:24:07.9	3	7m	-? superposed *?
153	COMP			↑		Na @ 6244Å looks ok
154	314.108592	09:28:30.51	+32:27:56.3	3	5m	
155	COMP			↑		
156	314.109689	09:39:8.9	+32:33:19.4	3	7m	
157	COMP			↑		
158	314.111088	09:42:00.95	+32:34:04.2	3	7m	
159	COMP			↑		
160	SN1994ae	10:44:23	+17:32:18	2	15m	
161	COMP			↑		
162	F34	10:36:41.1	+43:21:50	2	1m	
163	COMP			↑		
164	N3115	10:02:44.4	-07:28:30	0	3m	template
165	COMP			↑		
166	N3379	10:45:11.4	+12:50:48	0	3m	
167	COMP			↑		
168	Mark421	11:01:40.6	+38:28:43	6	5m	
169	COMP			↑		
170	11302m0155	11:30:09.8	-01:55:56.4	5	5m	H <sub>α</sub>
171	COMP			↑		

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Observer: P. BerlindPI: GellerSpectrograph: FASTGrating: 300Page: 3508Date: 2/5/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
172	11316m0118	11:31:35.71	-01:19:07.42	S	5m	H <sub>α</sub>
173	COMP			↑		
174	11318p0332	11:31:48	+03:32.0	S	5m	H <sub>α</sub>
175	COMP			↑		seeing 2"
176	11322p0031	11:32:13.3	+00:30.42d	S	4m	
177	COMP			↑		
178	11327p0155	11:32:41.93	+01:54.548	S	5m	H <sub>α</sub>
179	COMP			↑		
180	11344p0546	11:34:22.94	+05:45.58.97	S	5m	H <sub>α</sub>
181	COMP			↑		
182	11346p0822	11:34:32.465	+08:22.091	S	7m	H <sub>α</sub>
183	COMP			↑		
184	11361p0404	11:36:06	+04:04.0	S	10m	LSPB H <sub>α</sub>
185	COMP			↑		
186	13146p0110	13:14:36	+01:10.0	I	10m	
187	COMP			↑		
188	13192p0228	13:19:12	+02:28.0	I	10m	
189	COMP			↑		
190	13193p0224	13:19:18	+02:24.0	I	5m	
191	COMP			↑		
192	13201p0107	13:30:06	+01:07.0	I	5m	
193	COMP			↑		
194	13313p0218	13:31:18	+02:18.0	I	7m	H <sub>α</sub>
195	COMP			↑		
196	13316p0201	13:31:36	+02:01.0	I	7m	H <sub>α</sub>
197	COMP			↑		
198	13323p0158	13:32:18	+01:58.0	I	5m	
199	13335p0159	13:33:30	+01:59.0	I	5m	H <sub>α</sub>
200	COMP			↑		
201	N4486B	12:28:00	+12:45:59	O	5m	calibration/template

60 inch Telescope Log

Observer: P. Berlind

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 300

Date: 2/5/95

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
202	COMP			↑		
203	N4151	12:08:01	+39:41:02	6	30s	
204	COMP			↑		
205	HZ44	13:21:19.1	+36:23:38	6	2m	
206	COMP			↑		
207	HZ43	13:14:00.7	+29:21:49	6	2m	
208	COMP			↑		
209-210	N5548	14:15:43.5	+25:22:01	6	1m, 2m	
211	COMP			↑		
212-220	HD136711	15:19:27	+18:37:03	0	10s; 1s	
221	COMP			↑		
222-231	AGK2p24	17:01:06	+24:55:00	0	6s; 5s; 1s	
232	COMP			↑		end of the night focus run
233-242	FLAT				10s	shows focussed changed
243-245	BIAS				0s	to 930 during night
246-248	DARK				15m	
						End of FAST run
243-252	BIAS					
253-256	DARK					

110 spots