

60 inch Telescope Log

Observer: K RiarsPI: All, Kenyon, MahdaviSpectrograph: FASTGrating: 3008Page: 7521Date: 9/7/99

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0	
11-20	DARK				20m	
21-30	FLAT				6s	
31-40	FLAT				12s	bin by 2
41-50	BIAS				0	
51-55	sky					bin by 4
56	COMP					clear
57	Cyg OB2 no. 9	20 31	41 01	56	20s	
58	COMP			↑		
59	"	20 31	41 04	56	20s	bin by 2
60	COMP			↑		
61	NS866	15 06	55 45	57	150s	
62	COMP			↑		
63	NS866	15 06	55 45	57	150s	
64				↑		
65	UU Ser	17 42	-15 24	12	20s	object in crosshairs ^{not enough}
66	UU Ser S	"	"	↑	20s	just before crosshairs ^{no} enough
67	COMP			↑		
68, 69	A5316	18 42	-21 17	12	20, 200	A to E
70	COMP			↑		
71, 72	V2601 Sgr	18 38	-22 41	12	20, 200	A to E
73	COMP			↑		
74, 75	MWC 460	18 47	-20 05	12	10, 100	A to E
76	COMP			↑		
77, 78	A5327	18 53	-24 22	12	30, 300	
79	COMP			↑		
80, 81	FNSgr	18 53	-18 59	12	20, 200	
82	COMP			↑		
83	negs 382.134	16 11	+29 47	59	12m	NE, NW
84	COMP			↑		

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
85	nrqs 382.138	16 11	29 34	59	12m	
86	COMP			↑		
87	nrqs 382.187	16 15	30 04	59	12m	
88	COMP			↑		
89	16014+1628	16 03	16 19	84	3m	
90	COMP			↑		
91	16286+0516	16 31	+5 09	84	5m	
92	COMP			↑		
93	16491-0232	16 51	-2 36	84	2m	superposed star; cannot get galaxy
94	COMP			↑		
95	16501+2357	16 52	23 51	84	2m	
96	COMP			↑		
97	NG276	17 00	23 06	84	8m	em!
98	COMP			↑		
99	16506+1731W	16 52	17 26	84	5m	weak em
100	COMP			↑		
101	17035+1829	17 05	18 24	84	10m	
102	COMP			↑		
103	16589+2805	17 00	28 01	84	4m	
104	COMP			↑		
105	16563+3817	16 58	38 13	84	90s	star
106	COMP			↑		
107	17046+3827	17 06	38 23	84	10m	broad
108	COMP			↑		
109	17200+4917	17 21	49 13	84	7m	broad
110	COMP			↑		
111	17192+5025	17 20	50 22	84	4m	broad
112	COMP			↑		
113	16578+5712	16 58	57 05	84	5m	
114	COMP			↑		v. nice

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
115	17001+5902	17 00	58 56	84	30s	poor S/N
116	COMP			↑		
117	"	"	"	84	90s	
118	COMP			↑		
119	17492+5641	17 50	56 41	84	6m	* to W ; em
120	COMP			↑		
121	17497 15719	17 50	57 17	84	5m	
122	COMP			↑		
123	17544+6239	17 54	62 38	84	150s	
124	COMP			↑		
125	17509+7150	17 50	71 49	84	4m	
126	COMP			↑		
127	17523+7448	17 51	74 47	84	150s	Sy
128	COMP			↑		
129	22397+7453	22 40	75 09	84	8m	broad, * to E
130	COMP			↑		
131	22440+7253	22 45	73 09	84	4m	superposed star em + rough
132	COMP			↑		
133	22341+7523	23 36	75 38	84	60s	
134	COMP			↑		
135	23354+3143	23 37	31 59	84	5m	
136	COMP			↑		
137	23487+2017	23 51	20 34	84	10m	em poor S/N (sky brightening → dir)
138	COMP			↑		
139	N7672	23 27	12 23	84	10m	broad
140	COMP			↑		
141	23235+1255	23 26	13 12	84	6m	
142	COMP			↑		
143	23424+0856	23 44	+09 11	84	5m	obj to E
144	COMP			↑		

131 - extracted area to E of bright star
(brightest emission here)

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Observer: K RinesPI: RinesSpectrograph: FASTGrating: 3008Page: 7524Date: 9/7/99

Number	Object	R. A.	Dec.	L/R	Exp	Comments
145	a119_045	0 53	-3 08	64	4m	
146	COMP			↑		
147	046	0 50	-2 52	64	10m	em
148	COMP			↑		
149	047	0 53	-2 51	64	4m	
150	COMP			↑		
151	048	1 00	-3 25	64	4m	obj to W
152	COMP			↑		
153	049	0 52	-4 06	64	8m	broad
154	COMP			↑		
155	050	0 52	-4 21	64	10m	
156	COMP			↑		
157	051	0 59	-2 22	64	4m	
158	COMP			↑		
159	052	0 49	+0 57	64	6m	
160	COMP			↑		
161	053	1 06	+1 14	64	4m	
162	COMP			↑		
163	054	0 54	-3 35	64	6m	broad
164	COMP			↑		
165	055	0 48	+1 21	64	5m	55E to E
166	COMP			↑		
167	055E	0 48	+1 21	64	4m	55 to W
168	COMP			↑		
169	056	0 50	-4 12	64	4m	
170	COMP			↑		
171	097	0 50	-4 12	64	10m	
172	COMP			↑		
173	057	1 03	-1 43	64	4m	
174	COMP			↑		

161 - interesting - superposed star -
got both velocities (star + gal)

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Observer: K RinesPI: RinesSpectrograph: FASTGrating: 300RPage: 7525Date: 9/7/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
175	a119-210	1 03	-1 42	64	10m	domc related
176	COMP			↑		
177	057	0 53	-3 27	64	8m	weak; needs more
178	COMP			↑		
179	067	0 53	-3 28	64	8m	* to W
180	COMP			↑		rotation curve!
181	111	0 53	-3 28	64	15m	* to W
182	COMP			↑		
183	059	0 45	-3 24	64	6m	
184	COMP			↑		
185	060	0 54	-1 57	64	4m	
186	COMP			↑		
187	061	1 03	-4 40	64	4m	
188	COMP			↑		
189	062	0 52	-3 20	64	4m	
190	COMP			↑		
191	063	0 43	-2 47	64	8m	broad
192	COMP			↑		
193	064	0 53	-3 08	64	4m	
194	COMP			↑		
195	064N	0 53	-3 07	64	4m	
196	COMP			↑		
197	065	1 03	-1 32	64	4m	
198	COMP			↑		
199	066	1 08	+0 05	64	4m	
200	COMP			↑		
201	068	1 03	+2 16	64	10m	broad
202	COMP			↑		W spiral arm
203	069	0 52	+1 12	64	12m	broad
204	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7526</u>	
Observer: <u>K Rines</u>			Grating: <u>3001</u>		Date: <u>9/7/99</u>	
PI: <u>Rines, Kirshner, Bragg</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
205	a119_070	1 02	-1 33	64	4m	
206	COMP			↑		
207	071	0 54	-4 37	64	4m	obj to E
208	COMP			↑		
209	072	0 52	-5 02	64	4m	
210	COMP			↑		
211	073	0 47	+1 12	64	4m	bin by 2, to E?
212	COMP			↑		
213	SN1999dq	2 33	20 58	2	20m	$\lambda = 19$
214	COMP			↑		
215	Feige 25	2 38	5 28	56	2m	$\lambda = 19$
216	COMP			↑		
217	a119_074	0 59	-4 11	64	6m	$\lambda = 90$, bin by 4
218	COMP			↑		
219	075	1 05	+1 35	64	4m	
220	COMP			↑		
221	076	0 57	-3 53	64	4m	
222	COMP			↑		
223	021810p570838	2 18	57 08	83	4m	
224	COMP			↑		
225	021810p571345	2 18	57 13	83	3m	
226	COMP			↑		
227	021812p570940	2 18	57 09	83	30s	
228	COMP			↑		
229	021812p571408	2 18	57 14	83	90s	
230	COMP			↑		
231	021812p571421	2 18	57 14	83	70s	
232	COMP			↑		
233	021813p570318	2 18	57 03	83	2m	
234	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7527</u>	
Observer: <u>K Rines</u>			Grating: <u>300l</u>		Date: <u>9/7/99</u>	
PI: <u>Bragg</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
235	021813p571243	2 18	57 12	83	30s	
236	COMP			↑		
237	021814p570643	2 18	57 08	83	120s	* to E
238	COMP			↑		
239	021815p571016	2 18	57 10	83	10s	
240	COMP			↑		
241	021815p571341	2 18	57 13	83	150s	
242	COMP			↑		
243	021815p571423	2 18	57 14	83	120s	
244	COMP			↑		
245	021816p570350	2 18	57 03	83	120s	
246	COMP			↑		
247	021816p570356	2 18	57 03	83	120s	
248	COMP			↑		
249	021817p570916	2 18	57 09	83	120s	
250	COMP			↑		
251	Feige 25	2. 38	+5 28	56	120s	5:30
252	COMP			↑		circus, hazy
253-262	BIAS				0	
263-272	FLAT				6s	
273-282	FLAT				12s	bin by 2
283-292	BIAS				0	
293-302	DARK				20m	