

60 inch Telescope Log

Observer: Rines

PI: All, Huebra, Kenyon, Mohdavi

Spectrograph: FAST

Grating: 3001

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Date: 2/14/99

Number	Object	R. A	Dec.	L/R	Exp	Comments
1-10	DARK				900s	
11-15	DARK				900s	bin by 2
16-25	BIAS				0s	scattered cirrus
26-35	FLAT				12s	
36-45	BIAS				0s	bin by 4
46-55	FLAT				6s	
56-60	sky				15s	6:33
61	COMP					in focus
62	NGC 1700	4 54	-4 56	57	4m	6:53, clearing
63	COMP			↑		
64	HZ 14	4 41	+10 59	56	5m	
65	COMP			↑		
66	PG 0310p149	3 13	+15 27	56	30s	
67	COMP			↑		
68, 69, 70	CICOM	4 19	+55 59	107	220, 90s	
71	COMP			↑		
72	2m 014616.6p41	1 46	+41 50	68	6m	STAR
73	COMP			↑		
74	2m 015359.3p33	1 54	+33 31	68	12m	
75	COMP			↑		
76	2m 014948.6p33	1 49	+33 15	68	10m	
77	COMP			↑		
78	HG 6cm	6 04	+27 41	100	6m	bin by 2
79	COMP			↑		cirrus mostly N
80	srGb 145.130	2 39	+1 33	59	4m	
81	COMP			↑		
82	srGb 145.131	2 40	+1 30	59	3m	
83	COMP			↑		
84	COMP			↑		12s
85	srGb 145.132	2 40	+1 30	59	5m	bin by 4, A to W

60 inch Telescope Log  
 Observer: K Rines  
 PI: Mohdavi, Huchra  
 Spectrograph: FAST  
 Grating: 300l  
 Date: 2/14/99  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
86	COMP			↑		
87	sgb149.133	2 40	+1 02	59	7m	
88	COMP			↑		
89	135	2 40	+2 28	59	4m	
90	COMP			↑		
91	136	2 40	+1 20	59	5m	
92	COMP			↑		
93	139	2 41	+3 02	59	8m	
94	COMP			↑		
95	140	2 41	+1 06	59	5m	
96	COMP			↑		
97	142	2 41	+1 05	59	5m	
98	COMP			↑		
99	obj-1001	2 57	+41 56	35	10m	lin by 2 (other gal to W)
100	COMP			↑		
101	2m061854.3p28	6 18	+28 53	68	7m	lin by 4
102	COMP			↑		
103	2m061602.1p24	6 16	24 39	68	10m	*?
104	COMP			↑		
105	2m061130.2p26	6 11	26 04	68	90s	*? * to W STAR
106	COMP			↑		
107	2m061609.3p28	6 16	28 14	68	10m	NOT ENOUGH
108	COMP			↑		
109	2m062216.1p28	6 22	28 14	68	10m	
110	COMP			↑		
111	2m061748.3p28	6 17	28 52	68	8m	* to E
112	COMP			↑		
113	2m060616.1p29	6 06	29 41	68	12m	
114	COMP			↑		
115	2m062244.6p28	6 22	28 21	68	12m	* to W

99 - <sup>loc</sup> comments misleading - no other galaxy in field  
 Superposed star

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Observer: <u>Rines</u>			Grating: <u>300R</u>		Date: <u>2/14/99</u>	
PI: <u>Kirshner, Mahdavi, Rines</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
116	COMP			68		
117	SN1997aa	8 27	+21 29	2	20m	tilt = 590.0, $\Delta = -14^\circ - 9^\circ$
118	COMP			↑		bin by 2
119	Feige 34	10 36	43 21	56	2m	$\Delta = 73^\circ$
120	COMP			↑		
121	SN1999X	8 54	36 30	2	15m	tilt = 610 $\Delta = +24^\circ -$
122	COMP			↑		
123	ngc 038.168	9 22	21 49	59	12m	bin by 4, $\Delta = 90$
124	COMP			↑		
125	170	9 22	21 34	59	12m	
126	COMP			↑		
127	173	9 22	21 50	59	12m	
128	COMP			↑		
129	181	9 23	22 18	59	12m	bright star to W
130	COMP			↑		nice em
131	a1213_005	11 10	28 46	64	4m	
132	COMP			↑		
133	-006	11 11	26 57	64	3m	A to W
134	COMP			↑		
135	007	11 15	31 02	64	150s	
136	COMP			↑		
137	008	11 11	28 41	64	150s	
138	COMP			↑		
139	009	11 12	27 35	64	2m	
140	COMP			↑		
141	010	11 13	27 49	64	2m	
142	COMP			↑		
143	011	11 18	28 15	64	150s	
144	COMP			↑		
145	012	11 07	28 31	64	150s	

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Observer: Rines

PI: Rines

Spectrograph: FAST

Grating: 300l

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
146	COMP			64		
147	a1213_013	11 06	29 55	64	4m	
148	COMP			↑		
149	014	11 10	28 32	64	3m	
150	COMP			↑		
151	015	11 10	28 19	64	2m	
152	COMP			↑		
153	016	11 08	28 28	64	2m	
154	COMP			↑		
155	017	11 18	27 54	64	150s	
156	COMP			↑		
157	018	11 29	28 32	64	2m	
158	COMP			↑		
159	019	11 09	29 34	64	2m	
160	COMP			↑		
161	020	11 28	27 23	64	6m	should have been longer
162	COMP			↑		
163	021	11 20	30 29	64	2m	
164	COMP			↑		
165	022	11 14	30 18	64	2m	
166	COMP			↑		
167	023	11 15	29 31	64	2m	
168	COMP			↑		
169	024	11 05	29 57	64	4m	
170	COMP			↑		
171	025	11 16	29 15	64	4m	
172	COMP			↑		
173	027	11 16	29 15	64	4m	
174	COMP			↑		
175	027S	11 16	29 15	64	4m	

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Observer: RinesPI: RinesSpectrograph: FASTGrating: 300RDate: 2/14/99Page: 6986

Number	Object	R. A.	Dec.	L/R	Exp	Comments
176	COMP			64		clear
177	g1213-248	11 16	29 13	64	4m	
178	COMP			↑		
179	146	11 16	29 16	64	4m	
180	COMP			↑		
181	068	11 16	29 17	64	4m	
182	COMP			↑		
183	068SW	11 16	29 16	64	4m	title uncommented
184	COMP			↑		
185	026	11 14	28 33	64	2m	to E
186	COMP			↑		
187	028	11 24	27 00	64	3m	
188	COMP			↑		
189	029	11 14	31 30	64	3m	
190	COMP			↑		
191	030	11 16	29 19	64	6m	em
192	COMP			↑		
193	197	11 16	29 18	64	7m	to E
194	COMP			↑		
195	031	11 10	28 41	64	3m	gal to E
196	COMP			↑		
197	325	11 10	28 41	64	8m	gal to W
198	COMP			↑		
199	078	11 10	28 41	64	5m	
200	COMP			↑		
201	053	11 10	28 39	64	3m	
202	COMP			↑		
203	153	11 10	28 42	64	3m	
204	COMP			↑		
205	075	11 10	28 43	64	3m	UNDEREXPOSED

60 inch Telescope Log  
 Observer: Rines  
 PI: Rines, Tustin, Kannyi  
 Spectrograph: FAST  
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
206	COMP			64		
207	a1213-03/NW	11 10	28 41	64	8m	
208	COMP			↑		
209	031NW2	11 10	28 41	64	10m	
210	COMP			↑		
211	032	11 12	27 26	64	3m	
212	COMP			↑		
213	A164405137	12 53	-16 36	81	4m	* to W see note below
214	COMP			↑		
215	A164405139	12 55	-16 29	81	12m	why 12 minutes is faint?? poor slit (faint) X
216	COMP			↑		
217	A164405143	12 54	-17 30	81	8m	
218	COMP			↑		
219	mkw12-i.001	14 06	+9 21	35	2m	
220	COMP			↑		
221	002	13 57	9 52	35	4m	big gal
222	COMP			↑		
223	003	14 05	10 25	35	4m	
224	COMP			↑		
225	004	14 00	8 58	35	5m	
226	COMP			↑		
227	005	14 05	9 01	35	6m	
228	COMP			↑		
229	006	14 02	10 24	35	6m	
230	COMP			↑		
231	007	13 59	10 08	35	5m	
232	COMP			↑		
233	008	14 01	10 28	35	8m	
234	COMP			↑		
235	N4051	12 03	44 32	6	4m	$\Delta = -84^\circ$ not it WRONG OBJECT - see 237

213 is a star; DSS shows galaxy  
 either this is a superposed  
 star OR the wrong object

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Observer: <u>Rines</u>			Grating: <u>3008</u>		Date: <u>2/14/99</u>	
PI: <u>Wilkes</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
236	COMP			6		
237	N4051	12 03	44 31	6	4m	A = -84°
238	COMP			↑		CORRECT OBJECT
239	N4151	12 10	39 24	6	30s	
240	COMP			↑		
241	H244	13 23	36 08	56	2m	
242	COMP			↑		
243	H244	13 23	36 08	56	2m	bin by 2
244	COMP			↑		
245	awm3-i.018	14 21	25 36	35	8m	bin by 4 * wrong obj? ??
246	COMP			↑		
247	MRI421	11 01	38 28	6	4m	WRONG OBJECT!
248	COMP			↑		
249	N5548	14 15	25 22	6	3m	CORRECT
250	COMP			↑		
251	N5866	15 05	55 57	57	3m	pointing is correct
252	COMP			↑		
253-262	BIAS				0s	mostly clear @ dawn
263-272	FLAT				6s	
273-282	BIAS				0s	bin by 2
283-292	FLAT				12s	
293-302	FLAT				12s	tilt = 570
303-312	DARK				15m	bin by 4