

60 inch Telescope Log
 Observer: K Rines
 PI: Wilkes, Kirschner, Koranyi
 Spectrograph: FAST
 Grating: 300L
 Date: 6/29/98
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK			"	15m	
11-20	BIAS				0s	clear + hazy
21-30	FLAT				6s	
31-40	BIAS				0s	bin by 2
41-50	FLAT				12s	
51-55	SKY				2s	
56	COMP					
57-61	SKY				20s	bin by 4
62	COMP					
63,64	AG Dra	16:02	+66:48	.12	2s, 20s	
65	COMP			↑		
66,67	HZ 44	13:24	+36:08	56	2m	
68	COMP			↑		
69	HZ 44	13:24	+36:08	56	2m	bin by 2
70	COMP			↑	12s	
71	N4051	12:03	+44:32	6	2m	"
72	COMP			↑	6s	
73	MRK 279	13:53	+69:18	6	3m	bin by 4
74	COMP			↑		
75	N 5548	14:18	+25:08	6	3m	
76	COMP			↑		
77	SN 1986u	10:47	+11:50	2	15m	bin by 2
78	COMP			↑		
79	mkw 8-049	14:40	+03:05	35	7m	bin by 4
80	COMP			↑		
81	-050	14:40	+03:57	35	5m	
82	COMP			↑		
83	-035	14:40	+03:57	35	15m	very faint, way under exposed
84	COMP			↑		
85	-051	14:41	+03:40	35	10m	

60 inch Telescope Log

Observer: K Rines

PI: Dan, Huchra, Ken

Spectrograph: FAST

Grating: 300R

Date: 6/29/98

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
86	COMP			35		
87	mkw8-052	14:42	+03:01	35	12m	MARGINAL
88	COMP			↑		
89	mkw8-044	14:42	+03:56	35	15m	possibly 2 gals needs more
90	COMP			↑		
91	-053	14:39	+03:11	35	15m	could use more
92	COMP			↑		
93	-054	14:41	+03:56	35	15m	possibly 2 gals or gal + * need more
94	COMP			↑		also, star to E
95	-055	14:42	+03:05	35	20m	Hd marginal though
96	COMP			↑		
97	-056	14:40	+03:18	35	15m	not enough
98	COMP			↑		
99	-057	14:39	+03:09	35	10m	star to W
100	COMP			↑		
101	-058	14:41	+03:27	35	15m	bright * to E
102	COMP			↑		
103	2m160535.8p17	16:06	+17:44	68	10m	
104	COMP			↑		
105	2m160529.2p19	16:05	+19:49	68	15m	em
106	COMP			↑		
107	2m160530.3p15	16:06	+15:30	68	15m	* to E
108	COMP			↑		
109	E446714	16:24	+39:13	64	5m	
110	COMP			↑		
111	E446827	16:25	+39:08	64	4m	
112	COMP			↑		
113	E447477	16:26	+39:05	64	7m	bonus gal to W
114	COMP			↑		
115	E447537	16:27	+39:08	64	4m	

<p>60 inch Telescope Log</p> <p>Observer: <u>K Rines</u></p> <p>PI: <u>Ken</u></p>	<p>Spectrograph: <u>FAST</u></p> <p>Grating: <u>3001</u></p> <p>Date: <u>6/29/98</u></p>
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
116	COMP			64		
117	E447936	16:28	+39:06	64	4m	
118	COMP			↑		
119	E450378	16:34	+39:11	64	4m	
120	COMP			↑		
121	E450424	16:34	+39:15	64	3m	nice ep
122	COMP			↑		
123	E451951	16:38	+39:15	64	3m	
124	COMP			↑		
125	E4582	16:27	+38:47	64	3m	
126	COMP			↑		
127	E459860	16:22	+38:55	64	5m	star to E
128	COMP			↑		
129	E459862	16:22	+39:00	64	5m	
130	COMP			↑		
131	E461027	16:26	+38:56	64	2m	
132	COMP			↑		
133	E464466	16:36	+38:58	64	4m	star to W
134	COMP			↑		
135	E464605	16:36	+39:03	64	5m	
136	COMP			↑		
137	E472701	16:25	+38:48	64	5m	
138	COMP			↑		
139	E472744	16:26	+38:41	64	3m	
140	COMP			↑		
141	E47660	16:20	+37:35	64	5m	
142	COMP			↑		
143	E47835	16:20	+37:34	64	5m	star? to NE bin by 2
144	COMP			↑	12s	
145	E5262	16:29	+38:49	64	3m	bin by 4

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>K Rines</u>				Grating: <u>3000</u>		Page: <u>6395</u>
PI: <u>Ken, Betsy, Kirstner, Wilkes</u>				Date: <u>6/29/98</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
146	COMP			64		
147	a2199.10886	16:21	+38:36	64	4m	
148	COMP			↑		
149	a2199.11179	16:22	+38:28	64	5m	
150	COMP			↑		
151	a2199.12810	16:28	+38:35	64	7m	could have used more
152	COMP			↑		
153	a2199.174629	16:19	+41:19	64	10m	bright * to E
154	COMP			↑		
155	sagal-259	22:36	+33:57	73	11m	
156	COMP			↑		
157	sagal-260, sagal-261	22:36	+33:58	73	10m	261 to E
158	COMP			↑		
159	sagal-262	22:36	+33:59	73	8m	star to W
160	COMP			↑		
161	sagal-265	22:58	+26:08	73	8m	
162	COMP			↑		
163	sagal-277	23:16	+06:41	73	6m	
164	COMP			↑		
165	SN1998eo	21:48	-13:11	2	15m	bin by 2
166	COMP			↑		
167	MRK509	20:44	-10:43	6	3m	bin by 4
168	COMP			↑		
169	N7469	23:03	+08:52	6	2.5m	
170	COMP			↑		
171	MRK335	00:06	+20:12	6	3m	
172	COMP			↑		
173	N7331	22:37	+34:25	57	3m	
174	COMP			↑		
175	HD217086	22:57	+62:44	56	4s	

