

60 inch Telescope Log  
 Observer: GALKINS  
 PI: All Mahdavi  
 Spectrograph: FACT  
 Grating: 300L  
 Date: 2/8/99  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-14	VARY				15m	
15-24	BEAL				0s	
25-34	FLAT				6s	
35-44	REAS				0s	
45-54	FLAT				12s	
55-59	sky			#57	2s	
60	comp			↑		
61	Akn 564	22 42	19 42	#6	7m	
62	comp			↑		
63	M7469	23 02	08 52	#6	3.5m	
64	comp			↑		
65	MRK 335	00 06	30 12	#6	3m	
66	comp			↑		
67	scrp 149.098	2 37	1 38	#59	9m	
68	comp			↑		
69	scrp 149.099	2 37	1 36	#59	5m	
70	comp			↑		
71	149.100	2 37	1 58	#59	4m	
72	comp			↑		
73	149.101	2 37	1 48	#59	8m	
74	comp			↑		
75	149.102	2 37	2 09	#59	3m	
76	comp			↑		
77	149.103	2 37	2 20	#59	2.5m	
78	comp			↑		
79	149.104	2 37	2 04	#59	2m	
80	comp			↑		
81	149.105	2 37	1 58	#59	5m	
82	comp			↑		
83	149.106	2 37	1 54	#59	20m	

60 inch Telescope Log

Observer: CALYNS *Kirshner*  
 PI: Mahdavi, Kenyon, Garcia, Kenyon

Spectrograph: FAST

Grating: 300L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
84	comp			↑		
85	149.107	2 38	2 00	#59	20m	
86	comp			↑		
87	149.108	2 38	2 09	#59	20m	star west
88	comp			↑		
89	149.109	2 38	1 41	#59	17m	
90	comp			↑		
91-93	CICam	4 19	53-59	#101	2, 20, 90	
94	comp			↑		
95	BGGem	6 03	27 41	#100	6m	object west
96	comp			↑		
97	swml-065	9 17	20 52	#35	17m	
98	comp			↑		
99	swml-066	9 16	19 38	#35	20m	
100	comp			↑		
101	swml-067	9 15	20 57	#35	20m	
102	comp			↑		
103	swml-068	9 18	19 33	#35	20m	(weak!) em + corr are 163 km off
104	comp			↑		
105	swml-070	9 17	20 10	#35	20m	
106	comp			↑		
107	swml-071	9 16	20 01	#35	20m	(redes) yes, redo
108	comp			↑		
109	swml-072	9 14	20 58	#35	15m	
110	comp			↑		
111	sn1999x	8 54	26 29	#2	20m	PA = 0°
112	comp			↑		
113	Feige 34	10 39	43 05	#56	90s	PA = 54°
114	comp			↑		
115	SNUGO 5608	10 22	27 20	#2	15m	PA = 68° (not on SN)

103 emission + correlation temperatures are 150 km/sec different. Best temp in emission

60 inch Telescope Log

Observer: CALKENS

PI: Koranyi, Huchra

Spectrograph: FAST

Grating: 100L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
116	comp			↑		
117	mlw2-086	10 25	-2 59	π 35	12m	
118	comp			↑		
119	mlw2-088	10 24	-3 03	π 35	12m	
120	comp			↑		
121	mlw2-091	10 24	-3 41	π 35	12m	
122	comp			↑		
123	mlw2-092	10 29	-2 33	π 35	12m	(redo) OK - emission
124	comp			↑		
125	mlw2-093	10 25	-03 40	π 35	20m	
126	comp			↑		
127	2M110055.9	11 00	12 13	π 68	6m	
128	2M110059.6			↑		
129	2M110114.1	11 01	15 50	π 68	4m	
130	comp			↑		
131	2M110555.7	11 05	17 20	π 68	5m	
132	comp			↑		
133	2M110602.6	11 06	13 43	π 68	5m	
134	comp			↑		
135	2M110712.0	11 07	13 24	π 68	5m	
136	comp			↑		
137	2M110755.5	11 07	16 55	π 68	3m	
138	comp			↑		
139	2M110819.7	11 08	12 02	π 68	3m	
140	comp			↑		
141	2M110929.8p	11 09	14 40	π 68	7m	
142	comp			↑		
143	2M110956.1p	11 09	14 27	π 68	8m	
144	comp			↑		
145	2M111218.7p	11 12	16 36	π 68	4m	

file 127 { 2M110055 in W  
2M110059 in E }

5/28 2M110059.6p 121349

60 inch Telescope Log

Observer: CALKINS

PI: Bucher, Kirshner, All

Spectrograph: FAST

Grating: 500L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
146	comp			↑		
147	ZM1141028.8p	11 31	63 08	15"68	5m	
148	comp			↑		
149	ZM114262.0p	11 40	15 37	15"68	9m	
150	comp			↑		
151	ZM114118.5p	11 41	15 36	15"68	6m	
152	comp			↑		
153	ZM114205.8p	11 42	17 59	15"68	4m	
154	comp			↑		
155	ZM114248.1p	11 42	13 12	15"68	6m	
156	comp			↑		
157	ZM114252.0p	11 42	19 26	15"68	6m	
158	comp			↑		
159	ZM114434.8p	11 44	62 06	15"68	4.5m	
160	comp			↑		
161	SN1999E	13 17	18 33	13"2	20m	PA = 0°
162	comp			↑		
163	MRK 421	11 01	38 28	15"6	4m	PA = 90°
164	comp			↑		
165	N4051	12 03	44 31	15"6	2m	
166	comp			↑		
167	N4151	12 10	39 24	15"6	20s	
168	comp			↑		
169	N4258	12 18	47 18	15"6	2m	
170	comp			↑		
171	MRK 279	13 52	69 18	15"6	3m	
172	comp			↑		
173	SBS1425, 606	14 26	60 25	15"6	10m	
174	comp			↑		
175	N5548	14 17	25 08	15"6	3m	

60 inch Telescope Log

Observer: CALKINS

PI: Iducheg, Ali

Spectrograph: FAST

Grating: 100L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
176	comp			↑		
177	2M140005.3p	14 00	17 37	F68	8m	
178	comp			↑		
179	2M144400.1p	14 44	23 38	F68	3m	
180	comp			↑		
181	2M145715.4p	14 57	12 48	F68	4m	star east
182	comp			↑		
183	2M143940.1p	14 39	12 17	F68	4m	
184	comp			↑		
185	2M145447.5p	14 54	20 49	F68	4m	
186	comp			↑		
187	2M145918.4p	14 59	23 59	F68	3m	
188	comp			↑		
189	2M145727.2p	14 57	16 24	F68	4m	
190	comp			↑		
191	2M144220.0p	14 42	19 11	F68	5m	star west
192	comp			↑		
193	2M144640.1p	14 46	12 06	F68	4.5m	
194	comp			↑		
195	2M144318.7p	14 43	20 46	F68	5m	star west
196	comp			↑		
197	N3379	10 47	12 34	F57	90s	
198	comp			↑		
199	Feige 66	12 37	25 04	F56	90s	
200	comp			↑		
201-210	BIAS				0s	
211-220	FLAT				60s	
221-230	BIAS				0s	
231-240	FLAT				12s	
241-250	DARK				15m	