

60 inch Telescope Log
 Observer: CALKINS
 PI: All, Kenyon, Huchra
 Spectrograph: FAST
 Grating: 3006
 Date: 4/18/99
 Page: 7250

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-12	DARK				15m	
13-22	BEAS				0.5	
23-32	PLAT				6.5	
33-42	BEAS				0.5	
43-52	PLAT				12.5	
53-57	sky			F57	20	
58	comp			↑		
59	Feige 34	10 32	43 06	F56	90s	
60	comp			↑		
61	Feige 34	10 32	43 06	F56	90s	PA = 64°
62	comp			↑		
63	BGGem	6 03	27 41	F100	6m	
64	comp			↑		
65	N3227	16 23	19 51	F60	3m	
66	comp			↑		
67	2M071513	7 15	23 28	F68	2.5m	
68	comp			↑		
69	2M071514	7 15	18 49	F68	12m	object east - reds
70	comp			↑		
71	2M071515	7 15	00 11	F68	10m	central spectra
72	comp			↑		
73	2M071516	7 15	20 56	F68	10m	object west
74	comp			↑		
75	2M071523	7 15	4 49	F68	6m	
76	comp			↑		
77	2M071526	7 15	23 47	F68	5m	
78	comp			↑		
79	2M071600	7 16	3 08	F68	10m	
80	comp			↑		
81	2M071622	7 16	4 50	F68	8m	

73 2 objects in center; hard to separate - but W is a star w/ E.

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Observer: CALKINSPI: Kirshner, All, Justin, KoranySpectrograph: FASTGrating: 300LPage: 7281Date: 4/18/99

Number	Object	R. A.	Dec.	L/R	Exp	Comments
82	comp			↑		
83	SN1999aa	8 27	21 28	#2	15m	$\theta = 64^\circ$
84	comp			↑		
85	MRK 421	11 04	38 12	#26	4m	
86	comp			↑		
87	N4051	12 03	49 31	#6	2m	
88	comp			↑		
89	N4151	12 10	39 24	#6	30s	
90	comp			↑		
91	N4258	12 18	47 18	#6	2m	
92	comp			↑		
93	MRK 279	13 51	69 33	#6	3m	
94	comp			↑		
95	A1644DS140	12 57	-16 42	#81	20m	
96	comp			↑		
97	A1644DS141	12 55	-16 44	#81	20m	
98	comp			↑		
99	A1644DS142	12 56	-16 42	#81	11m	
100	comp			↑		
101	A1644DS144	12 57	-17 46	#81	10m	
102	comp			↑		
103	A1644DS145	12 56	-17 11	#81	15m	
104	comp			↑		
105	125711m171547	12 57	-17 15	#81	12m	← last one!
106	comp			↑		
107	zwn3-i.042	14 28	24 27	#35	20m	
108	comp			↑		
109	mkw12-i.066	14 01	8 19	#35	12m	
110	comp			↑		
111	mkw12-i.052	13 57	9 36	#35	20m	

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
112	comp			↑		
113	mkw12-i.053	13 58	8 42	#35	15m	
114	comp			↑		
115	mkw12-i.052	14 00	10 58	#35	17m	
116	comp			↑		
117	ZM140009	14 00	17 57	#68	5m	object west
118	comp			↑		
119	ZM140013	14 00	16 42	#68	5m	
120	comp			↑		
121	ZM140019	14 00	17 55	#68	6m	
122	comp			↑		
123	ZM140132	14 01	13 32	#68	4m	
124	comp			↑		
125	ZM142142	14 23	20 31	#68	4m	
126	comp			↑		
127	ZM142426	14 24	16 38	#68	6m	
128	comp			↑		
129	ZM142944	14 29	23 44	#68	8m	
130	comp			↑		
131	ZM143107	14 31	23 02	#68	4m	
132	comp			↑		
133	ZM143352	14 33	18 22	#68	10m	
134	comp			↑		
135	ZM143402	14 34	18 58	#68	8m	star west (redo?) ok
136	comp			↑		
137	ZM143527	14 35	21 01	#68	7m	
138	comp			↑		
139	ZM143603	14 36	21 51	#68	8m	
140	comp			↑		
141	ZM143713	14 37	19 24	#68	4m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7283</u>	
Observer: <u>CALIXTA</u>				Grating: <u>3006</u>			
PI: <u>Kishner, All, Rines</u>				Date: <u>4/18/99</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
142	comp			↑			
143	sn1999ac	16 07	25 57	*6	15m	PA = 14°	
144	comp			↑			
145	SBS1425p66	14 26	60 25	*6	10m		
146	comp			↑			
147	NS548	14 17	25 08	*6	3m		
148	comp			↑			
149	MIRK501	16 53	39 45	*6	5m		
150	comp			↑			
151	a2199c.005	16 08	36 36	*64	8m		
152	comp			↑			
153	a2199c.007	16 09	39 24	*64	12m		
154	comp			↑			
155	a2199c.008	16 09	42 26	*64	9m		
156	comp			↑			
157	a2199c.009	16 10	43 00	*64	9m		
158	comp			↑			
159	a2199c.010	16 10	37 06	*64	11m		
160	comp			↑			
161	a2199c.011	16 11	42 45	*64	11m		
162	comp			↑			
163	NS866	15 06	55 45	*57	5m	cirrus @ sunrise (dust lane)	
164	comp			↑			
165-174	BIAS				0s		
175-184	FLAT				6s		
185-194	BIAS				0s		
195-204	FLAT				12s		
205-214	DARK				15m		