

60 inch Telescope Log		Spectrograph: <u>Fast</u>		Page: <u>6357</u>		
Observer: <u>Calkins</u>		Grating: <u>300L</u>		Date: <u>6/21/98</u>		
PI: <u>Kirschner, Koranyi,</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	Dark				15m	Binby 4
11-20	Bias				0s	↓
21-30	Flat				6s	
31-40	Bias				5s	Binby 2
41-50	Flat				12s	↓
51-55	sky				2s	Binby 4
56	comp			↑		
57-58	H244	13 23	36 08	#56	2m	↓
59	comp			↑		
60-61	H244	13 23	36 08	#56	2m	Binby 2
62	comp			↑		
63-65	sn1998bu	10 46	11 50	#2	5	
66	comp			↑		
67-68	sn1998s	11 46	47 29	#2	10	
69	comp			↑		
70	N4151	12 08	39 24	#6	30s	Binby 4
71	comp			↑		↓
72	N4258	12 19	47 18	#6	2m	
73	comp			↑		
74	MRLK279	13 53	69 18	#6	3m	
75	comp			↑		
76	N5548	14 17	25 08	#6	3m	
77	comp			↑		
78	Feige 98	14 38	27 29	#56	2m	
79	comp			↑		
80	mkw5-023	12 58	-2 47	#35	20m	star to the west
81	comp			↑		
82	mkw5-024	13 59	-2 51	#35	20m	comie on top of the star to the east
83	comp			↑		
84	mkw5-025	13 58	-3 00	#35	17m	

82- forced to fabtemp (comie on top of the)

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Observer: <u>Calkins</u>			Grating: <u>300L</u>		Page: <u>6358</u>	
PI: <u>Koranyi, Rines, Kenyon</u>			Date: <u>6/21/98</u>			
Number	Object	R.A.	Dec.	L/R	Exp	
85	comp			↑		
86	mkw5-026	14 01	-3 03	#35	17m	
87	comp			↑		
88	mkw5-027	14 02	-3 04	#35	17m	
89	comp			↑		
90	E149985	16 36	40 42	#64	10m	
91	comp			↑		
92	E35163	16 27	37 49	#64	8m	star to the east
93	comp			↑		
94	E357261	16 18	40 19	#64	10m	
95	comp			↑		
96	E358161	16 21	40 18	#64	7m	
97	comp			↑		
98	E358329	16 21	40 20	#64	15m	
99	comp			↑		
100	E358792	16 22	40 24	#64	12m	
101	comp			↑		
102	E361219	16 28	40 29	#64	5m	
103	comp			↑		
104	E361243	16 28	40 24	#64	5m	
105	comp			↑		
106	E361541	16 28	40 29	#64	5m	
107	comp			↑		
108	E361663	16 28	40 20	#64	7m	
109	comp			↑		
110	HBC256	16 21	-26 12	#74	2m	
111	comp			↑		
112	HBC257	16 25	-23 18	#74	90c	
113	comp			↑		
114	HBC258	16 25	-24 29	#74	3m	

60 inch Telescope Log

Observer: Calkins

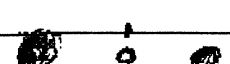
PI: Kenyon, Bines, All, Archer

Spectrograph: FAST

Grating: 300L

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Date: 6/21/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
145	comp			↑		
146	HBC257SE	17 11	-27 23	#74	3m	
147	comp			↑		
148	HBC257NW	17 11	-27 22	#74	4m	
149	comp	17 12 00	-27 20 18	↑		
150	HBC276	17 12	-27 20	#74	2.5m	star to the east
151	comp			↑		
152	HBC 635	16 25	-23 55	#74	3m	
153	comp			↑		
154	E361744	16 28	+40 29	#64	15m	
155	comp			↑		
156	MRK509	20 44	-10 54	#6	3m	
157	comp			↑		
158	2M180258.1p2	18 02	23 29	#68	20m	
159	comp			↑		(middle star in slit)
160	2M170005.8p22	17 00	22 48	#68	10m	
161	comp			↑		
162	2M165210.4p	16 32	22 24	#68	6m	
163	comp			↑		
164	2M170009.2p22	17 00	22 54	#68	20m	
165	comp			↑		
166	N7469	23 03	8 52	#6	2.5m	star in slit to east
167	comp			↑		
168	N7331	22 36	34 24	#57	4m	
169	comp			↑		
170-171	BDp404032	20 08	41 15	#56	1m	
172	comp			↑		
173-192	BIAS				0s	Binby 4
183-192	Flat				6s	↓
193-202	BIAS				0s	BINBY 2

203-212 Flat

213-222 Darks

used 147 as comp for 148

12s
15m

