

60 inch Telescope Log  
 Observer: CALKINS  
 PI: Kirschner, Koranyi  
 Spectrograph: FAST  
 Grating: 300 L  
 Date: 5/31/98  
 Page: 6292

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0s	BINBY 4
11-20	FLAT				6s	
21-30	BIAS				0s	BINBY 2
31-40	FLAT				12s	
41-50	DARKS				15m	BINBY 4
51-55	sky			#57	2s	
56	comp	OUT OF	FOCUS	L ↑		Late start due
57, 58	Feige 34	10 39	43 06	#56	90s	to "stuck" comp
59	comp			↑		mirror, w/ outage
60	N4151	12 08	39 41	#6	30s	
61	comp			↑		
62	N4258	12 18	47 18	#6	2m	
63	comp			↑		
64	MRK 279	13 53	69 18	#6	3m	
65	comp			↑		
66	N5548	14 15	25 22	#6	3m	
67	comp	1000	NG	P		13:50:25 +19:17:59
68-70	sn1998bu	10 46	11 50	#2	5m	BINBY 2
71	comp			↑		
72	sn1998s	11 46	47 28	#2	10m	
73	comp			↑		
74	sn1998ab	12 48	41 55	#2	20m	barely Discernable
75	comp			↑		
76, 77	HZ 44	13 23	36 07	#56	90s	
78	comp			↑		
79	N5866	15 06	55 45	#57	30s	dust lane
80	comp			↑		
81	mkn7-027	14 53	3 42	#35	10m	
82	comp			↑		
83	mkn7-028	14 32	3 46	#35	20m	

used comp file 67 anyway as file 66  
 doesn't need a good  $\lambda$  solution

DIFFERENCE IN FLAT SIGNAL FROM BEGINNING TO  
 END OF NIGHT GIVING INCORRECT CHIP-GAIN CALC.

COULD NOT USE SKYS FOR VELOCITY MEASUREMENTS;  
 COMP IS OUT OF FOCUS!

60 inch Telescope Log Observer: <u>Callins</u> PI: <u>Koranyi, Barton</u>	Spectrograph: <u>FAST</u> Grating: <u>300L</u> Date: <u>5/21/98</u>
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Page: 6293

Number	Object	R.A.	Dec.	L/R	Exp	Comments
84	comp			↑		
85	mkw7-029	14 33	3 48	#35	15m	
86	comp			↑		
87	mkw7-030	14 34	4 13	#35	15m	
88	comp			↑		
89	mkw7-031	14 34	3 53	#35	10m	
90	comp			↑		
91	mkw7-032	14 33	4 09	#35	10m	star to the west
92	comp			↑		
93	ngc4-464	16 02	41 12	#73	18m	galaxy to the west
94	comp			↑		
95	ngc4-465	16 02	41 12	#73	15m	
96	comp			↑		
97	ngc4-467-468	16 04	17 44	#73	12m	ngc4-468 is to the "east" on slit (PA=3)
98	comp			↑		
99	ngc4-469	16 04	14 48	#73	8m	star to the east
100	comp			↑		
101	ngc4-470	16 04	14 07	#73	12m	star to the east
102	comp			↑		
103	ngc4-471	16 05	14 07	#73	20m	
104	comp			↑		
105	ngc4-474-475	16 05	20 32	#73	8m	unable to separate
106	comp			↑		
107	ngc4-476	16 05	17 35	#73	11m	star to the west
108	comp			↑		
109	ngc4-480	16 23	37 56	#73	8m	
110	comp			↑		
111	ngc4-481	16 23	37 55	#73	4m	star in slit to the east
112	comp			↑		
113	ngc4-482	16 28	32 50	#73	7m	

60 inch Telescope Log  
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 PI: BARTON  
 Spectrograph: FAST  
 Grating: 300L  
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 Page: 6294

Number	Object	R.A.	Dec.	L/R	Exp	Comments
114	comp			↑		
115	negal-484	16 28	32 50	73	7m	
116	comp			↑		
117	negal-486	16 52	30 42	73	7m	Binby 2, star to the west
118	comp			↑		
119	negal-487	16 52	30 43	73	12m	Binby 4
120	comp			↑		
121	negal-488	16 57	40 43	73	7m	
122	comp			↑		
123	negal-489	16 57	40 42	73	7m	
124	comp			↑		
125	negal-490	17 00	23 02	73	5m	
126	comp			↑		
127	negal-491	17 00	23 00	73	4m	
128	comp			↑		
129	XTE2012p	20 12	38 10	#65	20m	star to the west
130	comp			↑		
131	E345406	16 27	40 40	#64	8m	
132	comp			↑		
133	E346297	16 29	40 31	#64	5m	
134	comp			↑		
135-137	CICy9	19 50	35 40	#72	45s	
138	comp			↑		
139-141	HD192281	20 12	40 15	#56	5s	
142	comp					
143-152	BEAS				0s	BINBY 4
153-162	FLAT				6s	
163-172	BEAS				0s	BINBY 2
173-182	FLAT				12s	
183-192	DARKS				15m	