

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>6397</u>		
Observer: <u>K Rines</u>		Grating: <u>300A</u>		Date: <u>6/30/98</u>		
PI: <u>Wilkes, Kirshner, Kenyon</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	bin by 2
41-50	FLAT				12s	
51-55	SKY				2s	bin by 4
56	COMP					
57,58	AGOrn	16:02	+66:48	12	2s, 20s	
59	COMP			↑		
60,61	HZ 44	13:24	+36:08	56	2m	
62	COMP			↑		
63	HZ 44	13:24	+36:08	56	2m	bin by 2
64	COMP			↑		
65	N4151	12:10	+39:24	6	30s	bin by 4
66	COMP			↑		
67	N4258	12:19	+47:18	6	2m	
68	COMP			↑		
69	MRK 279	13:53	+69:18	6	3m	
70	COMP			↑		
71	SN1998bu	10:47	+11:50	2	15m	bin by 2
72	COMP			↑		
73	N5548	14:18	+25:08	6	3m	bin by 4
74	COMP			↑		
75	SN1998ct	15:51	+21:57	2	15m	bin by 2
76	COMP			↑		gal close to E
77	SN1998cs	16:31	+41:13	2	20m	Type I?
78	COMP			↑		
79	HBC 653	16:49	-14:17	74	90s	bin by 4
80	COMP			↑		
81	HBC 654	16:49	-14:17	74	2.5m	

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 PI: Kenya, Koranyi, Rines, Huchra
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
82	COMP			74		
83	HBC658	17:16	-20:56	74	2m	
84	COMP			↑		
85	HBC659	17:16	-20:58	74	4m	
86	COMP			↑		
87	HBC660	17:16	-20:54	74	4m	
88	COMP			↑		
89	HBC661	17:16	-20:58	74	2.5m	
90	COMP			↑		
91	mkw7_053	14:35	+04:16	35	20m	UNDEREXPOSED H α ?
92	COMP			↑		
93	E449349	16:31	+39:13	64	5m	star to SW PA=0°
94	COMP			↑		
95	E450365	16:34	+39:15	64	5m	
96	COMP			↑		
97	E390923	16:26	+39:53	64	5m	
98	COMP			↑		
99	E381897	16:38	+40:08	64	5m	finishes notebook
100	COMP			↑		
101	E381897	16:38	+40:08	64	7m	again - more counts
102	mkw7_055	14:36	+04:03	35	15m	PA=90°
103	COMP			↑		
104	N5548	14:18	+25:08	6	3m	request (ASCAPTE campaign)
105	COMP			↑		
106	2m160519.1p16	16:05	+16:05	68	20m	stars? to W underexposed H α
107	COMP			↑		
108	2m160544.3p16	16:06	+16:46	68	20m	? to E
109	COMP			↑		
110	2m160540.6p18	16:06	+18:05	68	17m	
111	COMP			↑		

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PI: Garcia, Rines, McClintock

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
112	XTE J2123-058	21:23	-05:48	65	15m	...
113	COMP			↑		
114	a2199.192848	16:19	+40:52	64	10m	underexposed Ha
115	COMP			↑		
116	19336	16:24	+38:22	64	10m	* to W
117	COMP			↑		
118	212018	16:21	+40:25	64	10m	
119	COMP			↑		
120	XTE J2123p058	21:23	-05:48	65	15m	* to E
121	COMP			↑		
122	a2199.230563	16:19	+40:03	64	10m	*
123	COMP			↑		
124	2394	16:19	+38:47	64	8m	em
125	COMP			↑		
126	XTE J2123p058	21:23	-05:48	65	15m	
127	COMP			↑		
128	a2199.249959	16:19	+39:32	64	10m	
129	COMP			↑		
130	25668	16:19	+38:08	64	10m	bin by 2 - should have been longer
131	COMP			↑		
132	XTE J2123p058	21:23	-05:48	65	15m	bin by 4
133	COMP			↑		
134	COMP			77	8s	1.1" slit
135,136	4U1907+09	19:07	+09:45	77	15m	
137	COMP			↑		
138,139	HD 230579	19:02	+11:02	77	10s, 20s	
140	COMP			↑		
141	XTE J2123p058	21:23	-05:48	65	15m	3" slit
142	COMP			↑		
143	N7469	23:03	+08:52	6	2.5m	* to E

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
144	COMP			6		
145	MRK335	00:04	+19:55	6	3m	
146	COMP			↑		
147	Feige 110	23:17	-05:26	56	90s	
148	COMP			↑		
149	N7331	22:35	+34:10	57	3m	
150	COMP			↑		
151, 152	CICys	19:50	+35:41	12	1s, 30s	
153	COMP			↑		
154, 155	AG Peg	21:51	+12:38	12	0.5s, 12s	
156	COMP			↑		
157, 158	Z And	23:34		12	1s, 20s	
159	COMP			↑		
160-169	BIAS				0s	
170-179	FLAT				6s	
180-189	BIAS				0s	bin by 2
190-199	FLAT				12s	
200-209	FLAT				20s	1.1" slit (bin by 4)
210-215	DARK				15m	bin by 2