

★ Start of FAST Run ★

60 inch Telescope Log Observer: <u>P. Berlind</u> PI: <u>Kirshner</u>	Spectrograph: <u>FAST</u> Grating: <u>300; 3" slit</u> Date: <u>7/14/98</u>
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1	BIAS				0s	UV-Flood of ccd has degraded
2-6	DARK				15m	substantially from last run.
7-16	BIAS				0s	sensitivity down ~20%
17-26	FLAT				7s	lots of pack-mark structure
27-36	BIAS				0s	the plan is to re-flood it
37-46	FLAT				14s	later this week or next
47-48	test				1s	when the rains come back
49-54	sky	zenith		57	2s	7:44
55	COMP			r	6s	
56-57	AG Dra	16:01	+66:18	CZ	2s, 25s	Mostly clear
58	COMP			r		windy
59	N4151	12:08	+39:41	6	30s	
60	COMP			r		
61-62	BDP35264Z	15:50	+33:05	56	1m	
63	COMP			r		
65	H2244	13:21	+36:23	56	2m	
66	COMP			r		
67	N4256	12:16	+47:39	6	2m	
68	COMP			r		
69	N4051	12:08	+44:48	6	2m	
70	COMP			r		
71	MRK273	13:51	+69:33	6	3m	
72	COMP			r		
73	N5548	14:15	+25:22	6	3m	
74	COMP			r		
75	SN1998bn	10:46	+11:50	Z	12m	cl=14°, sec2=4
76	COMP			r		
77,79	SN1998S	11:46	+47:28	Z	15m	
78,80	COMP			r		

60 inch Telescope Log

Observer: PB

PI: Hucha

Spectrograph: FAST

Grating: 300L

Date: 7/14/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
81	SN1998aq	11:56	+56:07	Z	20m	
82	COMP			↑		
83	H244	13:21	+76	6	3m	sec=1.5
84	COMP			↑		
85	ZM141617.9	14:16	+14:21	68	15m	
86	COMP			↑		seeing 2"
87	ZM141617.9	14:07	+22:50	68	12m	
88	COMP			↑		
89	ZM141617.9	14:01	+19:31	68	12m	
90	COMP			↑		
91	ZM140131.3	14:01	+20:27	68	9m	
92	COMP			↑		
93	ZM141511.9	14:15	+15:44	68	5m	
94	COMP			↑		
95	ZM141512.0	14:15	+14:28	68	15m	Moon's up
96	COMP			↑		seeing better!
97	ZM163931.0	16:39	+20:40	68	8m	clear skies!
98	COMP			↑		
99	ZM163215.0	16:32	+22:48	68	9m	to to W
100	COMP			↑		
101	ZM170010.9	17:00	+18:19	68	9m	
102	COMP			↑		
103	ZM163213.7	16:32	+23:49	68	8m	Sy 9
104	COMP			↑		
105	ZM163201.6	16:32	+21:50	68	12m	good c2
106	COMP			↑		
107	ZM170004.0	17:00	+18:26	68	20m	em!
108	COMP			↑		
109	ZM165918.0	16:59	+23:23	68	12m	
110	COMP			↑		

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60 inch Telescope Log
 Observer: PB
 PI: Huchra & McClintock
 Spectrograph: FAST
 Grating: 30R
 Date: 7/14/98
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
111	ZM 165932.2	16:59	+23:04	68	12m	faint comp to W; please try to get
112	COMP			↑		
113	ZM 165958.3	16:59	+22:32	68	15m	
114	COMP			↑		
115	ZC 390.3	18:45	+79:43	6	11m	
116	COMP			↑		
117	COMP			↓	10s	1.1" shift ↓
118, 119	4U 1907.09	19:09	+09:49	77	15m	
120	COMP			↑	10s	
121-125	HD 230599	19:01	+11:01	77	20s	
124	COMP			↑		
125-126	CIC 49	19:50	+75:41	6	20, 15	3" shift ↓
127	COMP			↑		
128	ZM 225918.6	22:59	+25:59	68	5m	
129	COMP			↑		
130	ZM 225907.8	22:59	+28:56	68	6m	
131	COMP			↑		
132	ZM 225815.3	22:58	+24:09	68	6m	
133	COMP			↑		
134	ZM 225843.1	22:58	+28:05	68	7m	
135	COMP			↑		
136	ZM 225913.1	22:59	+29:41	68	8m	
137	COMP			↑		
138	ZM 225756.5	22:57	+26:06	68	7m	* to W
139	COMP			↑		
140	ZM 225825.0	22:58	+26:10	68	5m	
141				↑		

111 - extracted: W object - velocity no good
 waste of time

<p>60 inch Telescope Log</p> <p>Observer: <u>PB</u></p> <p>PI: <u>Huchra/Kirshner</u></p>	<p>Spectrograph: <u>FAST</u></p> <p>Grating: <u>2nd</u></p> <p>Date: <u>7/14/98</u></p>
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
142	ZM225701.0	22:57	+26:01	68	7m	
143	COMP			↑		
144	ZM225909.6	22:59	+26:32	68	8m	
145	COMP			↑		
146	SN1998cu	23:59	+46:52	2	20m	v. faint → 18 ⇒ SN!
147	COMP			↑		
148-149	ZAD	23:33	+48:49	6	25s, 1s	
150	COMP			↑		windy
151	ZM225932.7	22:59	+28:57	68	7m	
152	COMP			↑		
153	MRK335	00:3	+19:55	6	3m	
154	COMP			↑		
155	NTM69	23:03	+08:52	6	3m	
156	COMP			↑		
157-158	AG Reg	21:51	+12:37	12	6, 15s	
159	COMP			↑		
160	MRK509	20:41	-10:54	6	3m	
161	COMP			↑		
162-164	Uranus	20:56	-17:58	57	1s	
165	COMP			↑		
166-168	Neptune	20:42	-19:35	57	3s	
169	COMP			↑		clear; windy @ dawn
170-171	NT331	22:54	+34:09	56	3m	
172	COMP			↑		
173-176	CH Cyg	19:24	+50	6	1s-10s	
177	COMP			↑		
178-180	FID192281	20:10	+40:07	56	15s	
181	COMP			↑		
182-183	BDP28421	21:48	+28:47	56	40s	
184	COMP					

175 saturated??

60 inch Telescope Log

Observer: PB
 PI: -

Spectrograph: FAST

Grating: 3WR
 Date: 7/14/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
<u>185-187</u>	<u>HD21708</u>	<u>22-54</u>	<u>+52-27</u>	<u>S6</u>	<u>5s</u>	<u>-8-</u>
<u>188</u>	<u>CMP</u>			<u>↑</u>		
<u>189-198</u>	<u>BIAS</u>				<u>0s</u>	
<u>199-208</u>	<u>FLAT</u>				<u>7s</u>	
<u>209-218</u>	<u>BIAS</u>				<u>0s</u>	
<u>219-228</u>	<u>FLAT</u>				<u>14s</u>	
<u>229-238</u>	<u>FLAT</u>				<u>25s</u>	<u>1.1" slit</u>
<u>239-248</u>	<u>DARK</u>				<u>15m</u>	<u>limb 2</u>