

60 inch Telescope Log  
 Observer: P. Berlind  
 PI: \_\_\_\_\_  
 Spectrograph: FAST  
 Grating: 300R  
 Date: 1/24/98  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	bin by 4
11-20	BIAS				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	bin by 2
41-50	FLAT				12s	bin by 2
51-55	sky			57	2s	6:05
56	COMP			↑		
57-59	HD 7927	01:20	+58	57	1s	clear skies!!
60	COMP			↑		
61-63	HD 7252	01:14	+60	57	3s	
64	COMP			↑		
65-67	HD 5689	00:59	+63	57	7s	
68	COMP			↑		
69-71	HD 5810	01:10	+56:36	57	8s	
72	COMP			↑		
73-74	ZAW	23:33	+08:49	12	1s, 30s	
75				↑		prob @ 48"
76-77	AXR	01:36	+54	12	4s, 85s	
78	COMP			↑		
79-80	DLTan	04	26	12	12s, 100s	
81	COMP			↑		
82-83	DLTan	04	16	12	12s, 80s	
84				↑		bright zodiacal light
85-86	DLTan	04	26	12		
87				↑		
88-89	RWAhr	05:07	+32:01	12	5s, 30s	
90	COMP			↑		
91	MRK335	00:03	+19:55	6	3m	
92	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5979</u>	
Observer: <u>AB</u>			Grating: <u>3002</u>			
PI: <u>Huchra</u>			Date: <u>1/24/98</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
93	225m280	00:41	+41:05	57	4m	
94	COMP			↑		
95	9770904.80.4217	00:49	+15:32	68	15m	9.50!
96	COMP			↑		
97	9771029.50.6873	00:50	+29:33	68	20m	
98	COMP			↑		
99	9770904.73.7054	00:45	+16:39	68	20m	oh boy low cz gal?
100	COMP			↑		
101	2M024108.1	02:41	+16:27	68	20m	Faint; Hk @ 4220 Å
102	COMP			↑		
103	2M024127.6	02:41	+17:07	68	20m	low-strong Mg! + MgH
104	COMP			↑		
105	2M024135.3	02:41	+17:05	68	20m	Windy
106	COMP			↑		Seemg worse
107	2M024136.1	02:41	+16:03	68	17m	
108	COMP			↑		
109	2M024137.0	02:41	+16:53	68	15m	em +
110	COMP			↑		
111	2M024138.9	02:41	+17:02	68	15m	
112	COMP			↑		
113	2M032620.5	03:26	+29:46	68	15m	red but ok!
114	COMP			↑		
115	2M032626.4	03:26	+29:05	68	20m	em
116	COMP			↑		
117	2M032630.0	03:26	+26:10	68	15m	ok
118	COMP			↑		
119	2M032711.4	03:27	+27:03	68	12m	* to W
120	COMP			↑		
121	2M042016.3	04:22	+22:38	68	17m	* to W
122	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5980</u>	
Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Dankoranyi</u>			Date: <u>1/24/98</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
123124	Hiltner 60	06:42	-02:11	S6	45s	
125	COMP			↑		
126	MKW1-019	10:00	-02:59	35	7m	
127	COMP			↑		
128	.020	09:59	-02:33	35	9m	
129	COMP			↑		
130	.021	09:58	-03:05	35	15m	em
131	COMP			↑		
132	.022	10:01	-02:31	35	10m	
133	COMP			↑		
134	.023	09:59	-02:53	35	10m	em
135	COMP			↑		
136	.024	10:02	-02:34	35	15m	em * to W
137	COMP			↑		
138	.025	10:02	-03:21	35	11m	
139	COMP			↑		
140	.026	10:00	-02:53	35	10m	
141	COMP			↑		variable seeing
142	.027	10:02	-03:02	35	15m	ok mostly ok.
143	COMP			↑		
144	.028	09:59	-03:10	35	10m	
145	COMP			↑		
146	.029	09:59	-03:06	35	10m	
147	COMP			↑		
148	.030	10:01	-02:37	35	12m	
149	COMP			↑		
150	.031	09:58	-02:30	35	12m	
151	COMP			↑		
152	.032	10:02	-03:08	35	12m	
153	COMP			↑		

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Observer: <u>PB</u>			Grating: <u>300L</u>			
PI: <u>Geller</u>			Date: <u>1/24/98</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
154	a/367.2667	11:33	+19:48	64	7m	em
155	COMP			↑		
156	.2692W	11:43	+19:46	64	3m	
157	.2692E	11:43	+19:46	64	6m	em
158	COMP			↑		
159	.2697	11:44	+19:44	64	4m	
160	COMP			↑		
161	.2709	11:44	+19:46	64	4m	
162	COMP			↑		
163	.2719E	11:45	+19:46	64	3m	extra
164	.2719W	11:45	+19:46	64	2m	D <sub>2</sub> extra
165	COMP			↑		
166	.2727	11:46	+19:44	64	4m	
167	COMP			↑		
168	.2765	11:43	+19:36	64	4m	
169	COMP			↑		
170	.2770	11:44	+19:41	64	4m	
171	COMP			↑		
172	.2775N	11:45	+19:37	64	3m	N
173	.2775S	11:45	+19:37	64	90s	S
174	COMP			↑		
175	.2787	11:46	+19:38	64	5m	
176	COMP			↑		
177	.2809	11:39	+19:21	64	3m	
178	COMP			↑		
179	.2814	11:40	+19:28	64	4m	
180	COMP			↑		
181	.2829	11:45	+19:26	64	3m	
182	COMP			↑		

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Observer: <u>PB</u>			Grating: <u>3002</u>			
PI: <u>Geller</u>			Date: <u>1/24/98</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
183	a1367.2834	11:46	+19:26	64	4m	
184	COMP			↑		
185	.2838	11:48	+19:26	64	4m	
186	COMP			↑		
187	.2910	11:48	+18:56	64	3m	
188	COMP			↑		
189	.2889	11:34	+19:02	64	4m	
190	COMP			↑		
191	.2924	11:32	+18:41	64	4m	
192	COMP			↑		
193	.2925	11:32	+18:50	64	3m	
194	COMP			↑		
195	.2961	11:30	+18:26	64	4m	
196	COMP			↑		
197	.2991	11:45	+18:39	64	3m	
198	COMP			↑		
199	.2955	11:48	+18:38	64	3m	
200	COMP			↑		
201	.3012	11:34	+18:23	64	4m	
202	COMP			↑		
203	.3065	11:36	+18:14	64	4m	
204	COMP			↑		
205	.3118	11:39	+17:52	64	6m	
206	COMP			↑		
207	.3134	11:50	+17:51	64	3m	
208	COMP			↑		
209	.3295	11:39	+17:03	64	4m	
210	COMP			↑		
211	.330	11:33	+22:32	64	4m	a1367.330
212	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>5983</u>
Observer: <u>AB</u>				Grating: <u>3000</u>		
PI: <u>Geller</u>				Date: <u>1/24/98</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
213	a1367.3312	11:47	+17:11	64	4m	
214	COMP			↑		
215	.3357	11:50	+16:49	64	3m	
216	COMP			↑		
217	.3380	11:36	+16:42	64	3m	wk but ok lines
218	COMP			↑		
219	.3440	11:42	+16:29	64	3m	
220	COMP			↑		
221	.3442	11:44	+16:33	64	3m	
222	COMP			↑		
223	.3446	11:44	+16:34	64	4m	
224	COMP			↑		
225	.3461	11:36	+16:23	64	3m	
226	COMP			↑		
227	.3497	11:47	+16:14	64	4m	
228	COMP			↑		
229	.3566	11:41	+15:58	64	5m	em +
230	COMP			↑		
231	.4009	11:58	+19:08	64	4m	wind picking up
232	COMP			↑		
233	.4013	12:00	+19:13	64	12m	em
234	COMP			↑		
236	SB51425p606	14:25	+60:25	6	10m	Wow.
236	COMP			↑		
237	MRK279	13:51	+69:33	6	3m	7
238	COMP			↑		
239	N5548	14:15	+25:22	6	3m	6
240	COMP			↑		
241.2	H244	13:21	+76:23	56	90s	zo
243	COMP			↑		

60 inch Telescope Log  
 Observer: PB  
 PI: Dan  
 Spectrograph: FAST  
 Grating: 300R  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
244	mkw4-1	12:02	+01:58	35	90s	
245	COMP			↑		
246	mkw4-2	12:04	+01:53	35	90s	
247	COMP			↑		
248	mkw4-4	12:04	+01:47	35	100s	
249	COMP			↑		
250	mkw4-5	12:04	+02:04	35	100s	
251	COMP			↑		
252	mkw4-8	12:04	+01:50	35	100s	
253	COMP			↑		clear to dawn
254	mkw4-7	12:03	+01:41	35	100s	
255	COMP			↑		
256	mkw4-10	12:03	+01:57	35	100s	
257	COMP			↑		
258-267	BIDS			0	0s	
268-277	FLAT			0	6s	