

60 inch Telescope Log
 Observer: P. Bertling
 PI: Hucha
 Spectrograph: FAST
 Grating: 300L
 Date: 11/29/98
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-7	DARK					
8-17	BDS					clearing after 2 days of rain + clouds
18-27	FLAT					
28-37	BDS					
38-47	FLAT					
48-57	SKY	Zenith		57	105	
58	COMP			↑		only 2 Mess gals up + away from moon.
59-66	HD 215306			57	15	
67	COMP			↑		
68-69	HD 224014			57	15	
70	COMP			↑		
71-74	HD 217476			57	15	
75	COMP			↑		
76-78	HD 217086	22:54	+62:27	56	45-65	poor seeing clouds + bright moon
79	COMP			↑		
80-81	BD 228424	21:48	+28:37	56	45s	
82	COMP			↑		
83	N 9351	22:31	+11:09	57	3m	
84	COMP			↑		
85	ZM 211430.4	21:50	+16:23	68	5m	star only
86	COMP			↑		
87	ZM 211941.9	21:19	+14:16	68	5m	
88	COMP			↑		
89	ZM 212526.5	21:25	+15:35	68	7m	
90	COMP			↑		
91	ZM 212706.2	21:27	+16:39	68	10m	to to W; close
92	COMP			↑		
93	ZM 212758.8	21:27	+12:37	68	10m	
94	COMP			↑		
95	ZM 212812.5	21:28	+12:37	68	10m	

In reductions ~~done~~ were done in 2 separated sections of 300 line grating data taken before & after the 1200 line grating stuff. Chip gain calculation ^{Moon f:10+3} within normal limits.

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
86	OMP			↑		clouds + moon
87	ZM212853.1	21:28	+12:40	68	10m	~
88	OMP			↑		
89	ZM211552.2	21:15	+14:49	66	10m	good one!
90	OMP			↑		
91	ZM221651.9	22:16	+15:32	66	12m	
92	OMP			↑		
93	ZM221216.6	22:21	+21:58	68	8m	seeing better.
94	OMP			↑		
95	ZM221151.4	22:21	+29:00	68	6m	
96	OMP			↑		
97	ZM222555.9	22:25	+28:02	66	5m	
98	OMP			↑		
99	ZM222634.2	22:26	+25:05	68	7m	
100	OMP			↑		sky pretty good
101	ZM222649.5	22:26	+22:53	66	10m	still bright moon though
102	OMP			↑		
103	ZM222955.3	22:29	+19:22	68	6m	
104	OMP			↑		
105	GM7-3045	02:57	+12:46	59	20m	I hope ok, but sky good
106	OMP			↑		
107	ZM022332.1	02:23	+26:30	68	2m	
108	OMP			↑		
109	ZM034032.5	03:40	+15:03	66	4m	
110	OMP			↑		
111	ZM035638.3	03:56	+14:50	68	7m	binby 2; close E-W pair
112	OMP			↑		E is v. faint
113	ZM035667.6	03:56	+31:32	68	6m	
114	OMP			↑		

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PI: Huchra, Wolk

Spectrograph: FAST

Grating: 3000, 12000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
115	ZM09110.1	0321	+19.18	68	3m	
116	Comp			↑		
117	ZM0330023	0320	+35.55	68	6m	
118	Comp			↑		
119	ZM032749.4	0327	+35.59	68	6m	gal to W
120	Comp			↑		
121	ZM030510.5	0305	+21.28	68	10m	
122	Comp			↑		
123	ZM055159.0	0351	+17.48	68	10m	
124	Comp			↑		
125-127	test					12000; 1.5" slit; tilt=345 70=HA
128	053710m057	0537	-02.57	109	6m	
129	Comp			↑		
130	053711m0122	0537	-01.22	109	6m	
131	Comp			↑		
132	053714m0113	0537	-01.13	109	6m	
133	Comp			↑		
1345	H1220574	0452	+36.42	109	2s	Li Rich Std.
136	Comp			↑		
137	053723m0257	0537	-02.57	109	6m	
138	Comp			↑		
139	05370m0109	0537	-01.09	109	7m	
140	Comp			↑		
141	053658m0101	0536	-01.01	109	6m	
142	Comp			↑		
143	053654m0100	0536	-01.00	109	7m	
144	Comp			↑		

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Observer: PB

Spectrograph: FAST

Grating: 1200R

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PI: Wolk

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
143	053652m0121	05:36	-01:21	109	10m	Hk em; strong Li
146	COMP			↑		
147	053644m0124	05:36	-01:24	109	6m	
148	COMP			↑		
149	053641m0102	05:36	-01:02	109	6m	
150	COMP			↑		
151	053635m0109	05:36	-01:09	109	6m	* faint comp to NW
152	COMP			↑		
153	053632m0123	05:36	-01:23	109	5m	Strong Li
154	COMP			↑		
155	053630m0115	05:36	-01:25	109	4m	
156	COMP			↑		
157	053628m0126	05:36	-01:26	109	7m	pec get again
158	COMP			↑		
159	053620m0103	05:36	-01:03	109	6m	faint comp to NW
160	COMP			↑		
161	053628m0126	05:36	-01:26	109	7m	same as #157, pec!
162	COMP			↑		
163	053939m0231	05:39	-02:31	109	15m	PA=73° to get Hk set
164	COMP			↑		15' set blueshifted set
165	053939m0231	"	"	109	5m	PA=90°
166	COMP			↑		
167	053913m0014	05:39	-02:14	109	5m	
168	COMP			↑		
169	053916m0015	05:39	-02:15	109	4m	
170	COMP			↑		
171	053917m0011	05:39	-02:11	109	10m	
172	COMP			↑		
173	053916m0122	05:39	-01:22	109	11m	Strong Li; Hk em
174	COMP			↑		

60 inch Telescope Log

Observer: PB
 PI: Wdk

Spectrograph: F16T
 Grating: 1200R 300R
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
175	053515 m0089N	05:35	-00:59	109	5m	N* Strong Li; H α em
176	COMP			↑		
177	053515 m0089S	05:35	-00:59	109	12m	S*
178	COMP			↑		
179	053530 m0118	05:35	-01:18	109	15m	Strong Li; H α em
180	COMP			↑		
181	053534 m0127	05:35	-01:27	109	6m	
182	COMP			↑		
183	053539 m0111	05:35	-01:11	109	15m	Strong Li; H α em
184	COMP			↑		
185-186	Hiltner 603	06:42	-02	109+56	1m 3m	
187				↑		
188-191	CICam	04:19	+55:55	107	6s-2m	special
192	COMP			↑		
193-194	BGben	06:05	+27:41	100	6m 7m	M waw
195	COMP			↑		
196-198	053545 m057	05:35	-00:57	109	10m 5m	ouch; cosmic γ on Li line redo γ
197	COMP			↑		
199-200	A053552c	05:38	+26:18	104	90s	
201	COMP			↑		
202-203	HD 39478	05:53	+26:25	104	20s	
204	COMP			↑		
205-214	FLAT				45s	Accessory now
215	test					300R; 1.1" slit ↓
216-218	CICam	04:19	+55:55	107	8s-2m	
219	COMP			↑		
220	BGben	06:05	+27:41		6m	
221						

60 inch Telescope Log

Observer: PB

PI: Jeff Kirshner

Spectrograph: FAST

Grating: 3000

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
200-223	A052p26	05:48	+26:18	104	30s	1.1" slit
221	comp			↑		
228	SN1998ex	07:41	+64:44	2	20m	3" slit ± 18.5!
229	comp			↑		
230-232-234	SN1998S	11:46	+47:26	2	20m	
233-235-235	comp			↑		
236-237	Faye34	10:36	+47:21	56	90s	
238	comp			↑		clear & down
239-240	BIAS				0s	
241-258	FLAT				12s	
259-268	BIAS				0s	
269-278	FLAT				6s	
279-280	FLAT				20s	1.1" slit
281-298	DARK				20m	bin by 2
						End of FAST Run
						~