

Moon Jan 29 0h UT:  $\alpha = 03^h 36^m$   
 $\delta = +16^\circ 19'$

60 inch Telescope Log Observer: <u>T Lappin</u> PI: <u>Briceno</u>	Spectrograph: <u>FAST</u> Grating: <u>3002, 3" slit, bin by 4</u> Page: <u>4359</u> Date: <u>28 Jan 96</u>
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS					currus @ sunset but improving
11-20	FLAT					since ~5 pm
21-25	sky				2s	
26	comp			↑		taken ~10 minutes after skys
27-31	HD 217086	22 54 49	+62 27 35	0	5s	
32	comp			↑		
33	MRK 335	00 03 45	+19 55 27	6	90s	
34	comp			↑		
35-37	M 31	00 40 00	+40 59 42	0	30s	
38	comp			↑		
39-41	M 31 sky	00 42 47	+41 12 26	0	30s	telescope position recorded
42	comp			↑		
43-47	M 32	00 39 58	+40 35 30	0	30s	
48	comp			↑		
49	HBC 409	04 32 20	+22 48 16	38	8m	
50	comp			↑		
51	HBC 68	04 36 17	+22 42 02	38	8m	
52	comp			↑		
53	HBC 72	04 43 59	+16 54 40	38	8m	
54	comp			↑		
55	HBC 73	04 44 05	+16 57 19	38	8m	brighter star of pair;
56	comp			↓		star to E near slit
57	HBC 424	04 44 05	+16 57 19	38	10m	fainter star of pair; star
						to E near slit (bright star saturate)
58	HBC 425	04 51 30	+17 05 07	38	10m	
59	comp			↑		
60	HBC 427	04 52 51	+30 16 20	38	4m	
61	comp			↑		
62	HBC 46	04 27 49	+24 35 56	38	10m	
63	comp			↑		

advised 8.9  
gain 1.2

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>4360</u>
Observer: <u>T Lappin</u>		Grating: <u>300l, 3" slit, bin by 4</u>				Date: <u>28 Jan 96</u>
PI: <u>Briceno/Kenyan</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
64	HBC 47	04 28 22	+24 04 29	38	10m	
65	comp			↑		
66	HBC 59	04 30 32	+26 03 34	38	10m	
67	comp			↑		
68	HBC 64	04 32 20	+22 26 06	38	10m	
69	comp			↑		
70	V892 Tau	04 15 34	+28 12 02	30	10m	cirrus still visible
71	comp			↑		
72	DFTAU	04 23 59	+25 35 42	30	8m	
73	comp			↑		
74	DG Tau	04 24 01	+25 59 36	30	6m	
75	comp			↑		
76	HBC 388	04 24 17	+17 44 03	30	3m	
77	comp			↑		
78	DHTAU	04 26 37	+26 26 29	30	8m	
79	comp			↑		
80	DI Tau	04 26 38	+26 26 20	30	8m	
81	comp			↑		
82	IQ Tau	04 26 47	+26 00 13	30	5m	
83	comp			↑		
84	FXTau	04 27 27	+24 20 18	30	5m	
85	comp			↑		
86	DK Tau	04 27 40	+25 54 59	30	5m	2 stars close together in slit
87	comp			↑		maybe needs narrower slit
88	22 Tau	04 27 49	+24 35 57	30	5m	don't see any 'c' component
89	comp			↑		
90	JH56	04 28 09	+27 03 54	30	5m	
91	comp			↑		
92	V927 Tau	04 28 22	+24 04 30	30	5m	
93	comp			↑		

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>T Lappin</u>		Grating: <u>300L 3" slit, binby 4</u>			Page: <u>4361</u>	
PI: <u>Kenyon/Pantoja</u>		Date: <u>28 Jan 96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
94	H8C39Z	04 28 34	+17 00 02	30	5m	
95	comp			↑		
96	H LTau	04 28 44	+18 07 36	30	5m	star to E near slit
97	comp			↑		
98	H K Tau	04 28 48	+24 17 56	30	8 m	
99	comp			↑		
100	L1551-51	04 29 03	+18 15 16	30	5m	
101	comp			↑		
102	V928 Tau	04 29 17	+24 16 08	30	5m	
103	comp			↑		
104	V827 Tau	04 29 20	+18 13 55	30	5m	
105	comp			↑		
106	V926 Tau	04 29 22	+17 55 19	30	5m	
107	comp			↑		
108	GG Tau	04 29 37	+17 25 22	30	1m	
109	comp			↑		
110	L1551-55	04 29 50	+17 56 40	30	5m	(looks clear! no cirrus visible with moon still in sky)
111	comp			↑		
112	0614002	06 05 00	+39 16 00	43	15m	
113	comp			↑		
114	0216001	06 06 45	+13 28 00	43	5m	
115	comp			↑		
116	0117001	06 22 37	+07 33 16	43	5m	
117	comp			↑		
118	0416005	06 47 00	+25 43 00	43	10m	
119	comp			↑		
120	0416001	06 46 42	+25 44 00	43	10m	
121	comp			↑		
122	0318008	07 01 24	+18 37 00	43	10m	
123	comp			↑		

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>T. Lappin</u>		Grating: <u>300, 3" slit, bin by 4</u>			Page: <u>4362</u>	
PI: <u>Geller/Wilkes</u>		Date: <u>28 Jan 96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
124	318.009115	11 14 37	+27 01 42	3	15m	
125	comp			↑		
126	318.009873	11 10 30	+27 05 27	3	15m	
127	comp			↑		
128	318.010033	11 36 55	+27 06 52	3	15m	
129	comp			↑		
130	318.010840	11 11 51	+27 11 54	3	15m	
131	comp			↑		
132	318.012032	11 37 00	+27 19 09	3	15m	
133	comp			↑		
134	318.012099	11 17 04	+27 21 05	3	15m	
135	comp			↑		
136	318.012442	11 09 31	+27 20 55	3	15m	
137	comp			↑		
138	318.012863	11 34 54	+27 25 01	3	15m	
139	comp			↑		
140	318.013498	11 12 12	+27 28 38	3	15m	
141	comp			↑		
142	318.013600	11 12 53	+27 29 36	3	15m	
143	comp			↑		
144	Mrk 421	11 01 40	+38 28 43	6	5m	
145	comp			↑		
146	N 4051	12 00 36	+44 48 35	6	2m	
147	comp			↑		
148	N 4151	12 08 01	+39 41 01	6	30s	
149	comp			↑		
150	Mrk 279	13 51 53	+69 33 13	6	90s	
151	comp			↑		
152	N 5548	14 15 43	+25 22 01	6	2m	
153	comp			↑		

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>TLappin</u>		Grating: <u>300, 3" slit, binby 4</u>		Page: <u>4363</u>		
PI: <u>Wilkes</u>		Date: <u>28 Jan 96</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
154	HZ 44	13 21 19	43 6 23 39	O ↑	1 M	
155	COMP					clear @ dawn
156-165	FLAT					
166-175	BIAS					