

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>3854</u>	
Observer: <u>C. Clemens</u>				Grating: <u>300 L/mm</u>		Date: <u>6/30/95</u>	
PI: <u>Huchra/Kirshner</u>							
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
				0	0	5 pm: Very cloudy; rain occasionally	
5:30	1-20			0	0	smooth	
	21-40			0	6	10,000 counts	
8:00	41-45			0	12.5		
	46			↑		cirrus everywhere	
	47-51	HD 136711	15:19:27	+18:37:03	0	4s	
	52	comp		↑			
	53	N 4486 B	12:28:00	+12:45:59	0	5m	
	54	comp		↑			
	55	N 4486 B	"	"	0	5m	
	56	comp		↑			
	57	10256 p 5914			1	8m	clouds! star to W in slit
	58	comp		↑			
	59	I 687	11:24:18	+47:52	1	8m	more clouds; cirrus
	60	comp					
	61	N 5255	13:37:17	+57:08	1	8m	huge star to E in slit
	62	comp		↑			
	63	JN 1794 Y	13:53:31	+40:42:38	2	30m	
	64	comp		↑			
	65	13438 p 5652	13:43:48	+56:52	1	5m	14.8
	66	comp		↑			
	67	13465 p 6203	13:46:30	+62:03	1	5m	15.2 star to W
	68	comp		↑			
	69	13473 p 6005	13:47:18	+60:05	1	8m	15.3
	70	comp		↑			
	71	13475 p 5711	13:47:30	+57:11	1	8m	small star to W? clouds
	72	comp		↑			
	73	13495 p 6205	13:49:50	+62:05	1	8m	some clouds; clouded over
	74	comp		↑			

windy: 15-20 mph

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
75	P9 1708 p 602	17:08:36	+60:13:52	6	3m	P.I. s/b Wilkes
76	comp			↑		
77	3C 3903	18:45:37.6	+79:43:06	6	5m	thin cloud film
78	comp			↑		
79	14054 p 5647	14:05:24	+56:47	1	8m	shooting star W slit
80	comp			↑		
81	14060 p 5502	14:06:00	+55:02	1	7m	star to E (small) near slit
82	comp			↑		
83	14082 p 5703	14:08:12	+57:03	1	7m	
84	comp			↑		
85	14302 p 5610	14:30:12	+56:10	1	8m	
86	comp			↑		
87	14315 p 5330	14:31:30	+53:30	1	8m	
88	comp			↑		
89	14316 p 5328	14:31:36	+53:28	1	5m	
90	comp			↑		
91	14370 p 5134	14:37:00	+51:34	1	8m	^{big} superposed star (N side)
92	comp			↑		
93	I 1074	14:50:24	+51:29	1	5m	
94	comp			↑		
95	14529 p 5325	14:52:54	+53:25	1	8m	
96	comp			↑		
97	14556 p 5232	14:55:36	+52:32	1	5m	ngc 9629
98	comp					
99	15032 p 5154			1	5m	
100	comp					
101	15042 p 5129			1	6m	
102	comp					
103	329.001728	16:09:08	+26:31	3	6m	
104	comp					

Southwest skies clouded over; north is clear (mostly)

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	329. 008508	16:19:07	+26:45:27	3	6m	
106	Comp			↑		
107	329. 010373	16:13:51	+26:50:31	3	6m	
108	Comp			↑		
109	520. 051226	22:19:34.8	+11:50:02	3	10m	low surface brightness
110	Comp			↑		
111	520. 053668	22:26:49	+11:57:10	3	10m	mousetrap sprung
112	Comp			↑		
113	520. 054538	22:32:49	+11:59:27	3	10m	star in slit to West
114	Comp			↑		
115	520. 054674	22:37:31.5	+11:59:34	3	10m	
116	Comp			↑		
117	520. 056842	22:39:08	+12:04:38	3	15m	
118	Comp			↑		
119	520. 057193	22:27:27	+12:05:40	3	20m	
120	Comp			↑		
121	520. 057502	22:39:06	+12:06:25	3	15m	
122	Comp			↑		
123	520. 058550	22:17:14	+12:08:10	3	15m	
124	Comp			↑		
125	520. 062764	22:30:13	+12:19:32	3	8m	star just to E in slit
126	Comp			↑		down arriving
127-131	M 32	00:39:58	+40:35:30	0	30 s	
132	Comp			↑		
133-137	M 31	00:40:00	+40:59:42	0	30 s	
138	Comp			↑		
139-148	BIAS			0	0	
149-158	FLAT			0	6	
159-162	DARK					

TOTAL P.03