

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Exp	Comments
Observer: <u>P. Berlin</u>		Grating: <u>3000</u>		Pa: <u>6952</u>			
PI: <u>And</u>		Date: <u>2/7/99</u>					
Number	Object	R. A.	Dec.	L/R	Exp	Comments	
1-10	DARK				15m		
11-20	BIAS				0s	big band of clouds over S. Arizona	
21-30	FLAT				6s		
31-40	BIAS				0s		
41-50	FLAT				12s		
51-55	sky			57	2s		
56	comp			↑	5s		
57	01068 p010	01:06	+01:10	73	20m		
58	comp			↑			
59	5196149.089	02:06	+01:16	59	6m		
60	comp			↑			
61	.90	02:36	+02:18	59	7m		
62	comp			↑			
63	.91	02:36	+03:12	59	8m		
64	comp			↑			
65	.92	02:36	+04:54	59	4m	bin by 2; + to 6	
66	comp			↑			
67	.94	02:37	+01:43	59	10m		
68	comp			↑			
69	.96	02:37	+02:22	59	15m	stopped by clouds	
70	comp			↑			
71-73	CScan	04:19	+33:59	107	10s-4m		
74	comp			↑		cloudy; ↑ wind poor	
75	msgs 058-218	09:24	+22:08	59	15m	poor quality	
76	comp			↑			
77	.219	09:24	+22:08	59	15m		
78	comp			↑			
79	.225	09:25	+22:19	59	8m		
80	comp			↑			

once again noise & gain level slightly low (chks 8 & 1.2)

60 inch Telescope Log
 Observer: PD
 PI: Andi
 Spectrograph: FABT
 Grating: 300L
 Date: 2/7/99
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
81	NGC 5038.226	09:25	+22:19	S9	4m	
82	WMP			↑		
83	.228	09:25	+22:22	S9	5m	
84	WMP			↑		
85	.229	09:25	+22:22	S9	10m	gal to W
86	WMP			↑		
87	.231	09:26	+22:05	S9	16m	
88	WMP			↑		
89	.232	09:26	+22:07	S9	5m	
90	WMP			↑		
91	.233	09:26	+22:05	S9	5m	
92	WMP			↑		
93	.234	09:26	+22:23	S9	5m	
94	WMP			↑		
95	SN 1995B	12:11	+74:18	Z	20m	stopped short: more clouds.
96	WMP			↑		
97	Farp 34	10:36	+43:21	SC	2m	
98	WMP			↑		
99	MRK 421	11:51	+38:21	G	5m	stopped by clouds
100	WMP			↑		
101-110	BIBS				0s	
111-120	FLAT				6s	
121-130	BIBS				0s	
131-140	FLAT				12s	
141-150	DARK				20m	