

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>A. Mahdavi</u>		Grating: <u>300</u>			Page: <u>8051</u>	
PI: <u>All/Mahdavi</u>		Date: <u>December 8, 1999</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS					clear!
11-20	FLAT				6 ^s	
21-30	FLAT				12 ^s	Bin by 2
31-40	BIAS					↓
41-45	DARK					Bin by 4
46-50	SKY				20 ^s	Done problems, so count
51	COMP			↑		rate is low, will try in AM. Done will not stop moving, even after several vitrex resets. Engineers had left various some equipment unplugged.
52	FEIGELIO	23:17	-5:26	S6	150 ^s	
53	COMP			↑		
54	M31	00:40	40:59	S7	60 ^s	
55	COMP			↑		
56	Srgb075.029	00:37:03.4	25:38:54	S9	25 ^m	
57	COMP			↑		
58	Srgb075.053	00:38:42	24:58:39	S9	12 ^m	
59	COMP			↑		
60	Srgb075.058	00:38:57	25:38:15	S9	10 ^m	
61	COMP			↑		
62	Srgb075.061	00:37:19	24:43:42	S9	15 ^m	
63	COMP			↑		
64	Srgb075.082E	00:41:28	25:29:59	S9	5 ^m	
65	COMP			↑		
66	Srgb075.082W			S9	8 ^m	Slit related to 30°
67	COMP			↑		to get "barn"
68	Srgb075.084	00:41:40	26:56:42	S9	15 ^m	windy
69	COMP			↑		

56 - U. poor but emission line at same λ
 as observation taken last night

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>8052</u>	
Observer: <u>A. Mahdavi</u>			Grating: <u>300</u>		Date: <u>December 8, 1999</u>	
PI: <u>Mahdavi/Bragg</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
70	sgb075.087	00:42:21	25:03:38	59	15m	
71	COMP			↑		
72	sgb075.089	00:42:27	25:10:57	59	15m	
73	COMP			↑		
74	sgb075.091	00:42:31	25:17:30	59	15m	
75	COMP			↑		
76	sgb075.090	00:42:28	25:37:05	59	18m	
77	COMP			↑		
78	sgb075.092	00:42:37	25:18:15	59	12m	
79	COMP			↑		
80	sgb075.096	00:42:51	25:54:06	59	15m	
81	COMP			↑		
82	sgb075.100	00:43:49	26:11:11	59	18m	
83	COMP			↑		
84	sgb075.121	00:43:52	24:21:19	59	10m	
85	COMP			↑		
86	022147p591521			83	7m	
87	COMP			↑		
88	022148p570741			83	7m	Bad seeing ~ 4"
89	COMP			↑		
90	022148p57506			83	15m	
91	COMP			↑		
92	022149p52017			83	9m	
93	COMP			↑		
94	022149p56123			83	12m	Row 38 is the star
95	COMP			↑		
96	022149p57124			83	15m	Row 32-35
97	COMP			↑		
98	022150p510017			83	18m	
99	COMP			↑		

H 96 - ALSO TOOK K OBJECT
(2 STARS NEAR CENTER)

60 inch Telescope Log
 Observer: A. Madhuj
 PI: Bing/Calvet/Rines/Kirchner
 Spectrograph: FAST
 Grating: 300
 Date: December 8, 1999
 Page: 8033

Number	Object	R.A.	Dec.	L/R	Exp	Comments
100	022150p590547			83	20m	Row 40
101	COMP			↑		
102	qvsnb-54930	5:40:39	-00:49:05	112	20m	
103	COMP			↑		
104	qvsnb-54654	5:50:16	00:5:6	112	10m	
105	COMP			↑		
106	qvsnb-54935	5:40:39	-00:49:14	112	12m	
107	COMP			↑		
108	qvsnb-45116	5:41:33	-1:57:58	112	18m	
109	COMP			↑		
110	qvsnb-45132	5:41:39	-1:59:40	112	12m	
111	COMP			↑		
112	qvsnb-61071	5:58:19.6	-00:28:19	112	12m	
113	COMP			↑		
114	qvsnb-62233	5:59:29	00:07:21	112	12m	
115	COMP			↑		
116	qvsnb-62712	5:59:56	-00:14:38	112	12m	
117	COMP			↑		
118	a5766-085	7:26:49.4	54:30:55	64	12m	Star to W
119	COMP			↑		
120	a5766-087	7:23:12.1	54:43:50	64	12m	
121	COMP			↑		
122	a5766-088	7:10:58	56:29:25	64	12m	
123	COMP			↑		
124	a5766-089	7:21:52	54:51:11	64	12m	
125	COMP			↑		
126	a5766-093	7:19:55	56:51:49	64	15m	
127	COMP			↑		
128	SN1999gh	9:44:11.8	-21:16:25	2	10m	Bin by 2
129	COMP			↑	12s	Angle = -3° ↓

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>8054</u>	
Observer: <u>Mahdavi</u>				Grating: <u>300</u>		Date: <u>December 8, 1999</u>	
PI: <u>Kirshner</u>							
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
130	SNN3251	10:29:19.28	26:06:19.4	2	20 ^m	Bin by 2	Angle = -55°
131	COMP			↑	12 ^s	↓	
132	SN1999ew	11:26:17.64	46:58:32.4	2	15 ^m		Angle = 47°
133	COMP			↑	12 ^s	↓	
134	Feige 34	10:39	43:08	56	3 ^m		Angle = -16
135	COMP			↑	12 ^s	↓	
136	Feige 34	↓	↓	56	90 ^s	Bin by 4	↓
137	COMP			↑			
138	N3377	10:45	14:14	57	60 ^s		
139	COMP			↑			
140-149	BIAS						
150-159	FLAT				6 ^s		
160-169	FLAT				12 ^s	Bin by 2	
170-179	BIAS					↓	
180-184	SKY					Bin by 4	
185	COMP			↑		↓	
186-190	DARK				15 ^m	Bin by 2	NOT IN DIRECTORY (SPARKY)

Do not have files 186-190