

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5082</u>	
Observer: <u>PBerland</u>			Grating: <u>3002</u>			
PI: <u>Kayser & Galler</u>			Date: <u>12/16/96</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIPAS			0	0s	bin by 4
11-20	FLAT			0	6s	"
21-30	BIPAS			0	0s	bin by 2
31-40	FLAT			0	12s	"
41-45	sky			0	2s	
46	COMP			↑	5s	windy!
47-49	HD 206057	21:53	+75:8	57	2s	mostly clear
50				↑		poor seeing
51-53	HD 206001	21:54	+86:76	57	3s	
54				↑		
55-57	HD 208816	21:56	+63:57	57	2s	
58				↑		
59-61	HD 205481	22:02	+58:00	57	2s	
62				↑		
63-65	HD 192281	20:10	+40:07	56	6s	1.33
66	COMP			↑		
67-69	CIC eye	19:50	+35:41	12	2s, 2s, 3s	
70	COMP			↑		
71-72	Z And	23:33	+48:49	12	3s, 60s	
73	COMP			↑		
74-75	AxAr	01:32	+54:15	12	5s, 90s	
76	COMP			↑		
77	MRK 335	00:03	+19:55	6	3m	
78	COMP			↑		
79	N 7749	23:03	+06:52	6	2m	
80	COMP			↑		
81	467.056715	01:13	+17:23	3	15m	ISR redo
82	COMP			↑		
83	468.049532	01:47	+12:58	3	15m	ISR redo
84	COMP			↑		

60 inch Telescope Log

Observer: PSPI: Kushner & GellerSpectrograph: FASTGrating: 7002Page: 5083Date: 12/14/96

Number	Object	R. A.	Dec.	L/R	Exp	Comments
85	SN NY30	22:30	+13:59	Z	15m	bim by 2 $scz=1.7$
86	COMP			↑		$scz=1.77$
87-90	HDF2281	20:40	+10	S6	S5	$scz=1.75$
91	COMP			↑		
92	466.034505	01:06	+11:56	SS	9m	sup* ; gal has H α em
93	COMP			↑		→ pm 2275
94	466.034233	00:55	+11:55	SS	15m	400 cts; wk features
95	COMP			↑		poor seeing
96	466.037335	00:50	+12:08	SS	15m	
97	COMP			↑		
98	466.034956	00:53	+11:58	SS	9m	
99	COMP			↑		
100	466.037873	00:57	+12:10	SS	12m	
101	COMP			↑		
102	466.038379	01:04	+12:12	SS	15m	wk.
103	COMP			↑		
104	466.049591	01:05	+12:58	SS	15m	
105	COMP			↑		
106	466.053569	01:03	+13:15	SS	15m	
107	COMP			↑		
108	466.054775EW	00:54	+13:20	SS	10m	bim by 2 ; close EW pair
109	COMP			↑		both #'s (?)
110	466.055620	00:42	+13:21	SS	2m	* bim by 2
111	COMP			↑		
112	468.044230	01:49	+12:38	SS	20m	400 cts 15R redo
113	COMP			↑		
114	468.045211	01:56	+12:34	SS	15m	wk em! pm 2210 15R redo
115	COMP			↑		
116	470.017518	02:36	+10:42	SS	15m	
117	COMP			↑		

11/18
51
47
51

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>300L</u>		Page: <u>5084</u>	
PI: <u>Geller</u>			Date: <u>12/16/96</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
118	470.020057	02:38	+10:52	SS	15m	more clouds in the N
119	COMP			↑		WKen
120	470.021895 EW	02:33	+11:12	SS	10m	W = 470.024895 binby 2
121	COMP			↑		also bright star to W
122	470.025594	02:38	+11:14	SS	12m	both em same z
123	COMP			↑		binby 2
124	470.025231	02:37	+11:13	SS	15m	em
125	COMP			↑		
126	471.053670	02:48	+13:27	3	20m	ISR redo; COMP to W
127	COMP			↑		↳ H ₂ pz 2.355?
128	531.027631	02:57	+05:46	3	5m	brighter comp to NW
129	COMP			↑		
130	531.023322	02:57	+05:25	3	5m	
131	COMP			↑		
132	531.028073	02:57	+05:49	3	11m	clouds
133	COMP			↑		
134	531.027657	03:00	+05:46	3	10m	
135	COMP			↑		
136	531.029512	02:57	+05:56	3	7m	
137	COMP			↑		
138	531.029023	02:58	+05:54	3	15m	
139	COMP			↑		
140	531.029528	02:59	+05:56	3	7m	
141	COMP			↑		
142-143	DLTan	04:33	+25:20	12	20, 3m	
144	COMP			↑		
145-146	DRTan	04:47	+16:58	12	15, 25m	
147	COMP			↑		
148	AKN120	05:13	-00:12	6	3m	
149	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>F101</u>			
Observer: <u>PB</u>			Grating: <u>302L</u>		Page: <u>5085</u>	
PI: <u>Kirshner / Pantaja / Geller</u>			Date: <u>12/16/96</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
150-151	Hiltner 60	06:42	+02:11	56	1m	1.15
152	COMP			↑		windy!
153	SN 1996by	05:58	+08:27	2	17m	1.26 6m by 2
154	COMP			↑		
155	086	06:28	+22:00	43	15m	em
156	COMP			↑		
157	111	06:50	+08:10	43	11m	
158	COMP			↑		
159	117	06:54	+08:30	43	15m	
160	COMP			↑		
161	118	06:52	+08:36	43	17m	wk em
162	COMP			↑		
163	121	06:54	+06:25	43	20m	* to E wk em
164	COMP			↑		
165	317.013660	11:02	+27:02	3	15m	
166	COMP			↑		
167	317.017070	10:50	+27:19	3	14m	emf
168	COMP			↑		
169	317.017372N	10:45	+27:19	3	10m	North Comp
170	COMP			↑		
171	317.017494	11:03	+27:20	3	14m	spendy
172	COMP			↑		
173	317.023074	11:03	+27:48	3	15m	
174	COMP			↑		
175	SN N3510	11:03	+28:54	2	15m	6m by 2
176	COMP			↑		
177	317.024117	10:47	+27:53	3	15m	em
178	COMP			↑		
179	317.027483	11:10	+28:08	3	15m	em
180	COMP			↑		

60 inch Telescope Log

Observer: PBSpectrograph: FASTGrating: 7002Page: 5086PI: GreenDate: 12/16/96

Number	Object	R.A.	Dec.	L/R	Exp	Comments
181	317.046763	11:00	+25:50	3	14m	em
182	WMP			↑		
183	CLS23	10:45	+35:40	32	10m	1.01
184	WMP			↑		poor seeing
185	CLS29	10:37	+36:03	32	15m	1.00
186	WMP			↑		
187	Fer3034	10:24	+43:21	56	2m	
188	WMP			↑		
189	MRK421	11:01	+36:28	6	4m	
190	WMP			↑		
191	N4051	12:00	+44:48	6	2m	Clear @ dawn
192	WMP			↑		still windy
193	N4151	12:06	+39:41	6	30s	
194	WMP			↑		
195	N5548	14:15	+25:08	6	2m	
196	WMP			↑		
197-198	N4853	12:58	+27:25	57	5m	
199	WMP			↑		
200	H244	13:21	+36:23	56	2m	
201	WMP			↑		
202	N4466	12:30	+12:23	57	2m	
203	WMP			↑		
204-206	HD 86667	10:00	+08:02	57	2s	
207	WMP			↑		
208-210	HD 90994	10:30	-00:38	57	2s	
211	WMP			↑		
212-214	HD 92055	10:37	-13:23	57	2s	
215	WMP			↑		
216-225	BIAS			0	0s	
226-235	FLAT			0	6s	
236-245	BIAS				0s	binby 2
246-255	FLAT				12s	"
256-259	DARK				15m	binby 4

TOTAL P.06