

Fax to Susan Tokarz pg 1 of 5

60 inch Telescope Lpg
 Observer: P. Berlind
 PI: Ken
 Spectrograph: FAST
 Grating: 3002
 Date: 11/9/99
 Page: 7765

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-9	DARK				20m	
11-20	BEAS				0s	
21-30	FLAT				7s	
31-40	BEAS				0s	clear skies!
41-50	FLAT				14s	
51-55	SKY			57	2s	
56	WMP			↑	5s	
57-59	H1012081	20:10	+40:07	56	5s	
60	WMP			↑		
61-62	H1012081	20:50	+78	56	30s	
63	WMP			↑		
64	MRK509	20:44	+40:43	6	3m	
65	WMP			↑		
66	N7331	21:30	+14:09	57	2m	
67	WMP			↑		
68	AKN564	22:40	+29:27	6	5m	
69	WMP			↑		
70	XTEJ1658p22	18:58	+22:39	66	20m	
71	WMP			↑		
72-74	S169	18	+40	12	30s-10m	
75	WMP			↑		
76	a1196-013	00:45	-01:06	64	20m	LSB em OK Hx prk 2074
77	WMP			↑		
78	046EW	00:46	-01:03	64	15m	PA=75
79	WMP			↑		
80	029	00:41	-00:03	64	20m	LSB em
81	WMP			↑		
82	18	01:11	-10:29	64	20m	
83	WMP			↑		

NO BIN BY 4 DARKS

60 inch Telescope Log
 Observer: PB
 PI: Ann/Scott
 Spectrograph: FAST
 Grating: 300L
 Date: 11/9/99
 Page: 7766

Number	Object	R.A.	Dec.	L/R	Exp	Comments
84	all96-0417	01:00	-0443	64	20m	ok on v. wk em (poor)
85	COMP			↑		
86	048	01:06	-0455	69	20m	
87	COMP			↑		
88	022106p5705	02:22	+5705	83	20s	
89	COMP			↑		
90	022112p5702	02:22	+5702	83	8m	
91	COMP			↑		930
92	022212p5709	02:22	+5709	83	4m	
93	COMP			↑		
94	022217p5710	02:22	+5710	83	8m	
95	COMP			↑		
96	022213p5709	02:22	+5709	83	4m	
97	COMP			↑		
98	022215p5706	02:22	+5711	83	8m	
99	COMP			↑		
100	022217p5714	02:22	+5714	83	4m	
101	COMP			↑		
102	022215p5715	02:22	+5715	83	6m	
103	COMP			↑		
104	022211p5706	02:22	+5706	83	7m	
105	COMP			↑		
106	022211p5706	02:22	+5706	83	5m	(brighter + to W)
107	COMP			↑		
108	022210p5709	02:22	+5709	83	6m	PA-50
109	COMP			↑		
110	022209p5706	02:22	+5706	83	11m	NW
111	COMP			↑		
112	022210p5706	02:22	+5706	83	7m	SE
113	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7167</u>
Observer: <u>PB</u>				Grating: <u>300L + 600L</u>		
PI: <u>S. Wolk</u>				Date: <u>11/9/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
114-115	022216p57149	02:22	+57:16	83	10s, 5s	
116	WMP			↑		
117	022217p5720	02:22	+57:20	83	3m	
118	WMP			↑		
119	fst					600L @ +11 748 ↓
120	MBM12.358	03:04	+17:11	110	12m	2" slit
121	WMP			↑		
122	359	02:58	+19:36	110	14m	
123	WMP			↑		
124	360	02:58	+19:47	110	15m	21
125	WMP			↑		
126	361	02:56	+19:59	110	15m	
127	WMP			↑		
128	363	02:58	+19:43	110	15m	
129	WMP			↑		
130	364	02:58	+19:48	110	15m	
131	WMP			↑		
132	365	02:58	+19:59	110	20m	
133	WMP			↑		
134	366	02:57	+19:40	110	20m	
135	WMP			↑		
136	367	02:58	+19:51	110	20m	
137	WMP			↑		
138	368	03:01	+17:03	110	20m	
139	WMP			↑		
140	369	02:58	+19:58	110	20m	
141	WMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7768</u>
Observer: <u>PB</u>		Grating: <u>600L + 300L</u>				
PI: <u>Calvet + Wolk</u>		Date: <u>11/9/99</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
142	MBM12.371	02:58	+19:32	110	20m	600gpm; 2" slit ↓ f11=748 (Ha)
143	COMP			↑		
144	G1911326	05:01	+51:45	110	25m	
145	COMP			↑		
146-146	HDS2471	06:27	+27	110	5s	
149	COMP			↑		
150-159	FLAT				14s	N.E.
160	49501612819	05:38	-02:00	112	7m	300L; 3" slit; normal ↓ PA=8 ↓ set-up
161	COMP			↑		
162,163	49156	05:52	-01:59	112	1m, 4m	
164	COMP			↑		
165	49166	05:53	-01:55	112	11m	
166	COMP			↑		
167	49173	05:53	-02:09	112	10m	
168	COMP			↑		
169	49850	05:53	-02:05	112	10m	
170	COMP			↑		
171	51277	05:55	-01:55	112	4m	
172	COMP			↑		
173	52915	05:57	-01:42	112	3m	
174	COMP			↑		
175-6	Hiltner 600	06:12	-02:	56	45s	
177	COMP			↑		
178	0613460	06:13	+81:04	88	5m	PA=20
179	COMP			↑		
180	95766.066	07:28	+55:48	64	5m	PA=90L
181	COMP			↓		

60 inch Telescope Log
 Observer: PB
 PI: Ken

Spectrograph: FAST
 Grating: 300L
 Date: 11/9/99

Page: 7769

Number	Object	R. A.	Dec.	L/R	Exp	Comments
182	a5676-067	07:26	+56:58	64	5m	
183	COMP			↑		
184	069	07:25	+56:41	64	8m	
185	COMP			↑		
186	070	07:26	+55:53	64	15m	ok superposed star
187	COMP			↑		
188	071	07:14	+56:04	64	12m	ok
189	COMP			↑		
190	072	07:17	+54:52	64	20m	ok star to W
191	COMP			↑		
192	073	07:19	+55:05	64	5m	
193	COMP			↑		
194	SN η 2001	12:19	+79:37	2	10m	(bin by 4; PA=90)
195	COMP			↑		
196	IC 34	10:26	+14:3	56	90s	
197	COMP			↑		
206-207	BIAS				0s	clear @ dawn
206-217	FLAT				7s	~
206-227	BIAS				0s	
206-237	FLAT				14s	