

Fax to Susan Tokarz  
pg 1 of 6

60 inch Telescope Log

Observer: P Berlin

PI: JPM

Spectrograph: FAST

Grating: 300L, 3" slit

Page: 8134

Date: 1/8/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-9	FLAT	spec	blurring		15m	→ for P. Groot - 1200L, 1.5" slit
11-20	FLAT	normal			0s	→ partly saturated (ok)
21-30	FLAT				2s	→ ward @ bottom row.
31-40	PDKS				0s	
41-50	FLAT				14s	
51-55	SKY	Zenith		57	2s	circus to N,W
56	COMP			↑		
57-58	M31			57	30s	+ overhead
59	COMP			↑		
60-61	M32			57	30s	
62	COMP			↑		
63	ZMJ 2320280	00:44	+41:21	57	4m	
64	COMP			↑		
65	ZMJ 2320208	27:20	-06:13	68	4m	
66	COMP			↑		
67	ZMJ 231629	23:16	-02:13	68	4m	
68	COMP			↑		
69	ZMJ 231616	27:16	-04:58	68	3m	+ to W
70	COMP			↑		
71	ZMJ 231521	20:58	-01:10	68	3m	
72	COMP			↑		circus
73	ZMJ 231835	23:28	-02:08	68	3m	
74	COMP			↑		
75	021912p5703	2:19	+57:03	83	10m	
76	COMP			↑		
77	021912p5704	02:19	+57:04	83	12m	
78	COMP			↑		
79	021914p5703	02:19	+57:03	83	12m	
80	COMP			↑		

60 inch Telescope Log  
 Observer: PB  
 PI: Scott / Ken

Spectrograph: FAST  
 Grating: 300L  
 Date: 1/8/00

Page: 8/35

Number	Object	R.A.	Dec.	L/R	Exp	Comments
81	02194p5716	02:19	+5716	83	7m	
82	COMP			f		good seeing
83	021915p5702	02:19	+5702	83	7m	a few thin clouds.
84	COMP			f		
85	021919p5703	02:19	+5710	83	12m	
86	COMP			f		
87	021921p5702	02:19	+5702	83	15m	
88	COMP			f		
89	021922p5703	02:19	+5703	83	12m	
90	COMP			f		
91	0496.077	04:48	+246	64	3m	
92	COMP			f		
93	93	04:21	+701	64	12m	
94	COMP			f		
95	98	04:29	+205	64	15m	
96	COMP			f		
97	99	04:27	+503	64	15m	* to E end
98	COMP			f		
99	110	04:46	+1006	64	36m	
100	COMP			f		
101	112	04:23	+211	64	9m	
102	COMP			f		
103	101	04:21	+706	64	7m	lan by 2; * to W
104	COMP			f		
105	102	04:47	+604	64	12m	
106	COMP			f		
107	103	04:17	+351	64	5m	
108	COMP			f		
109	109	04:29	+318	64	6m	
110	COMP			f		

60 inch Telescope Log

Observer: PB  
 PI: Ken

Spectrograph: FAST  
 Grating: 300R  
 Date: 1/8/60

Page: 8136

Number	Object	R.A.	Dec.	L/R	Exp	Comments
111	a496-111	04:27	-14:38	64	4m	
112	COMP			f		
113	113	04:26	-10:42	64	7m	
114	COMP			f		
115	114	04:18	-14:46	64	5m	
116	COMP			f		
117	116	04:35	-14:42	64	7m	
118	COMP			f		
119	117	04:34	-10:39	64	5m	
120	COMP			f		
121	118	04:26	-08:23	64	5m	
122	COMP			f		
123	119	04:17	-12:15	64	4m	
124	COMP			f		
125	120	04:31	-11:50	64	4m	
126	COMP			f		
127-28	B6Gem	06:03	+27:41	12	7m, 1m	
129	COMP			f		
130, 131	RNO63	06:07	-05:16	89	3m, 7m	PA=0 ↓
132	COMP			f		
133-34	LKH 2338	06:16	-06:12	89	2m, 15m	
135	COMP			f		
136-37	LKH 2339	06:10	-06:14	89	3m, 7m	
138	COMP			f		
139-41	H12250550	05:59	+16:30	89	10-20s	
142	COMP			f		
143-44	Hiltner 62	06:42	+02:4	56	45s	
145	COMP			f		
146	Hiltner 60	"	"	56	60s	
147	COMP			f		

3  
4  
5

60 inch Telescope Log  
 Observer: PB  
 FI: Calvet  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 1/8/00  
 Page: 8157

Number	Object	R.A.	Dec.	L/R	Exp	Comments
148-149	LK Hk 208	06:01	+18:39	89	30s, 2hr	PA=0 L
150	COMP			f		
151-153	MWC 137	06:18	+15:16	89	5s, 5m	cluster
154	COMP			f		
155-57	LK Hk 220	07:01	+11:26	89	10s-2m	
158	COMP			f		
159-162	ZC Ma	07:03	+11:33	89	30s-1s	
163	COMP			f		
164-165	LK Hk 218	07:02	+11:26	89	30s, 2m	PA=20 ↓ avoid bot *
166	COMP			f		
167-68	LK Hk 311	06:33	+10:33	89	90s, 10m	
169	COMP			f		
170-1	VY Mon	06:31	+10:26	89	90s, 15m	
172	COMP			f		
173-75	LK Hk 215	06:32	+10:09	89	30s	PA=45 L
176	COMP			f		
177-180	HDS 54431	06:33	+10:19	89	1s-10s	
181	COMP			f		
182-85	R Ma	06:39	+08:44	89	10s-5m	cool nebula
186	COMP			f		
187-88	V502	06:39	+09:34	89	1m, 10s	id ✓
189	COMP			f		
190-91	W 81	06:40	+09:33	89	1m, 3m	temp ↑↑ seeing, etc
192	COMP			f		
193-94	W 121	06:40	+09:44	89	2m, 7m	bot * to SE
195	COMP			f		
196	SN 1999 gm	08:36	-08:11	2	20m	PA=3
197	COMP			f		
198	CPW 36 a	09:21	+44:12	123	12m	PA=45
199	COMP			f		

60 inch Telescope Log

Observer: PB

FI: Amc

Spectrograph: FAST

Grating: 3002

Date: 1/8/00

Page: 8138

Number	Object	R.A.	Dec.	L/R	Exp	Comments
200	0920366	09:24	+49M	123	7m	A=90
201	OMP			f		
202	SS26164233	11:23	-0641	59	12m	clouds moving in fast
203	OMP			f		+ to E stopped
204-5	Fe4c34	1036	+43	56	3m	clearing
206	OMP			f		windy
207	234	11:24	-0630	59	10m	
208	OMP			f		
209	236	11:24	-0747	59	8m	huge cosmic ray
210	OMP			f		
211	237	11:24	-0717	59	8m	
212	OMP			f		
213	238	11:24	-0629	59	8m	
214	OMP			f		
215	239	11:24	-0740	59	10m	
216	OMP			f		
217	240	11:24	-0648	59	10m	
218	OMP			f		
219	242	11:24	-0653	59	12m	
220	OMP			f		
221	249	11:24	-0647	59	12m	
222	OMP			f		Seemy pair
223	252	11:25	-0613	59	10m	
224	OMP			f		more clouds
225	260	11:26	-0606	59	5m	
226	OMP			f		
227	261	11:2	-068	59	10m	
228	OMP			f		
229	nrngb302088	14:28	+1122	59	2m	
230	OMP			f		

60 inch Telescope Log  
 Observer: AB  
 PI: And.  
 Spectrograph: FAST  
 Grating: 3000  
 Date: 1/8/60  
 Page: 8/39

Number	Object	R.A.	Dec.	L/R	Exp	Comments
231	NGC 702.085	14:28	+11:25	S9	2hr	
232	WAP			f		
233	OT4	14:28	+11:29	S9	8hr	
234	WAP			f		
235	OT8	14:27	+11:33	S9	4hr	
236	WAP			f		
237	OT5	14:27	+11:19	S9	2hr	
238	WAP			f		
239	OT3	14:27	+11:02	S9	5hr	
240	WAP			f		
241	OT7	14:27	+11:22	S9	6hr	
242	WAP			f		windy!
243	OT2	14:27	+11:16	S9	7hr	
244	WAP			f		
245	OT1	14:27	+11:20	S9	3hr	
246	WAP			f		
247	HZ44	13:20	+26	S6	2hr	
248	WAP			f		CIRUS.
249-258	BIAS				0s	
259-268	FLAT				7s	
269-278	BIAS				0s	
279-288	FLAT				14s	
289-298	DARK				20hr	