

FAX to Susan Tokarz
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★ Start of FAST run ★

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>5956</u>		
Observer: <u>P Berlin / Ed Bennett</u>		Grating: <u>3002</u>		Date: <u>1/19/98</u>		
PI: <u>Kenyon</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-3	test					
4-9	DARK				15m	
10-19	BIAS				0s	
20-29	FLAT				6s	clearing @ sunset
30-39	BIAS				0s	
40-49	FLAT				12s	
50-54	sky	zenith		57	2s	
55	COMP			↑		
56	Feige 25	02:36	+06:15	56	150s	
57	COMP			↑		
58-61	M32	00:39	+40:35	57	30s	
62	COMP			↑		
61	225m 280	00:41	+41:05	57	5m	
62	COMP			↑		
63-64	ZAD	23:33	+42:49		0.5s, 1.5s	
65	COMP					
66-67	AK Per	01:36	+54:15		3s, 60s	
68	COMP					
69-70	DG Tau	04:27	+26:06		11, 95	
71	COMP					
72-73	DL Tau	04:33	+25:20		35, 200	clouds
74	COMP					
75-76	DR Tau	04:47	+16:54		11, 90	
77	COMP					
78-79	RW Aur	05:07	+30:24	12		
80	COMP			↑		
81-83	Cstar 1	03:07	-25	32	20s	special for Paul Green
84	COMP			↑		
85	ZMO240 SS A	02:40	+17:10	68	15m	
86	COMP			↑		

0004. DARK has usual structure on red end
but other darks do not.

DID NOT DARK SUBTRACT

60 inch Telescope Log
 Observer: PB4EB
 PI: Huchra
 Spectrograph: FAST
 Grating: 300R
 Date: 1/19/98
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
87	2M021059.6	02:40	+12:05	68	15m	
88	COMP			r		
89	2M024101.1	02:41:01.1	16:42:41.8	68	15m	
90	COMP					
91	2M024110.1	02:41:10.2	12:04:54.8	68	15m	
92	COMP					
93	2M024109	02:49:09.4	17:10:00.8	68	15m	
94	COMP					
95	2M024110.8	02:41:10.8	15:55:11.8	68	15m	
96	COMP					increasing clouds
97	2M024112.3	02:41:12.3	12:10:02.8	68	15m	
98	COMP					
99	2M024113.7	02:41:13.7	12:47:02.8	68	15m	
100	COMP					
101	2M024118.3	02:41:18.3	15:21:33.1	68	15m	
102	COMP			r		
103, 105, 107	SN 1997cF	07:57	+49:33	2	20m	
104, 106, 108	COMP			r		
109, 111	Hiltner 600	06	+2	56	90s	
110	COMP			r		
111	Hiltner 600	06	+2	56	90s	
112	COMP			r		
113-115	Cotar 2	06:31	+16:06	32	20s	For Paul Green
116	COMP			r		
117-118	HDS 985	01:19	-05:57	32	20s	For Paul Green
119	COMP			r		
120	A00276	04:03	+30:47	75	5m	
121				r		
122	Z00993	+04:03	+26:31	75	5m	
123				r		

60 inch Telescope Log

Observer: PBSEB

PI: Carter

Spectrograph: FAST

Grating: 3002

Date: 1/19/98

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
124	A000746	08:01	+30:10	75	6m	
125				f		cleaning again!
126	Z013679	08:05	+30:13	75	10m	
127				f		
128	Z017680	08:06	+26:53	75	5m	
129				f		
130	A000599	08:09	+28:00	75	15m	
131	COMP			f		
132	Z002998	08:12	+26:21	75	6m	
133	COMP			f		
134	N000499	08:16	+27:01	75	6m	
135	COMP			f		
136	Z003489	08:16	+28:37	75	6m	
137	COMP			f		
138	Z006229	08:18	+26:38	75	7m	
139	COMP			f		
140	N002253	08:20	+27:34	75	7m	
141	COMP			f		
142	Z006230	8:20:09	+27:05	75	4m	
143	COMP			f		
144	N002943	10:17	+32:03	75	5m	
145	COMP			f		
146	Z003995	10:47	+26:17	75	5m	
147	COMP			f		
148	Z011657	10:47	+26:15	75	5m	
149	COMP			f		
150	Z007362	10:48	+28:14	75	5m	
151	COMP			f		
152	Z003002	10:48	+26:35	75	5m	
153	COMP			f		

60 inch Telescope Log
 Observer: PB/EB
 PI: Carten
 Spectrograph: FAST
 Grating: 300 L
 Date: 1/19/98
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
154	ZOO 3002	10:48	+26:35	75	5m	
155	COMP			↑		
156	B000125	10:50	+26:44	75	10m	
157	COMP			↑		
158	ZOO 2333	10:50	+28:28	75	2m	
159				↑		
160	SN1997c	07:57	+49:33	2	20m	
161	COMP			↑		
162	a1367.1015	11:40	+23:01	64	5m	
163	COMP			↑		
164	a1367.1063	11:44	+23:06	64	5m	
165	COMP			↑		
166	.1064	11:44	+23:05	64	5m	
167	COMP			↑		
168	.1062	11:53	+23:07	64	4m	
169	COMP			↑		
170	.1154	11:52	+22:37	64	5m	
171	COMP			↑		
172	.1165	11:40	+22:26	64	3m	
173	COMP			↑		
174	.1244	11:53	+22	64	3m	
175	COMP			↑		
176	.1249	11:49	+22:11	64	5m	
177	COMP			↑		
178	.1273	11:57	+21:56	64	4m	
179	COMP			↑		
180	.1283	11:45	+22:01	64	8m	
181	COMP			↑		
182	.1287	11:45	+22:09	64	10m	H ₂ o pix 2232
183	COMP			↑		

64 - cluster clusters Miller
 75 - spectral types Carten

60 inch Telescope Log

Observer: PBS/EBPI: GellerSpectrograph: FASTGrating: 3002Page: 5960Date: 11/19/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
184	a1367.1305	11:50	+21:58	64	9m	a few clouds remain
185	COMP			f		
186	.1309	11:51	+22:03	64	4m	
187	COMP			f		
188	.1323	11:56	+22:03	64	4m	
189	COMP			f		
190	.1329	11:57	+21:47	64	4m	
191	COMP			f		
192	.1330	11:38	+21:50	64	4m	
193	COMP			f		
194	.1359	11:51	+21:47	64	4m	
195	COMP			f		
196	.1379	11:37	+21:33	64	4m	
197	COMP			f		
198	.1387	11:42	+21:35	64	4m	
199	COMP			f		
200	1389	11:43	+21:42	64	4m	
201	COMP			f		
202	1390	11:43	+21:39	64	6"	
203	COMP			f		
204	.1367	11:44	+21:34	64	4m	
205	COMP			f		
206	.1451	11:45	+21:24	64	3m	
207	COMP			f		
208	.1465	11:50	+21:23	64	3	
209	COMP			f		
210	.1484	11:56	+21:23	64	4m	
211	COMP			f		
212	.1522	11:48	+21:09	64	4m	
213	COMP			f		

60 inch Telescope Log

Observer: PBHEB

PI: Grogan & Wilkes

Spectrograph: FAST

Grating: 300L

Date: 11/15/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
214	14549 p 3145	+14:54	+31:45	42	20m	
215	COMP			↑		
216	MRK421	11:01	+38:28	6	4m	
217	COMP			↑		
218	N4051	12:00	+44:58	6	2m	
219	COMP			↑		
220	N4151	12:04	+39:41	6	30s	
221	COMP			↑		
222	N4758	12:16	+47:34	6	25m	
223	COMP			↑		
224	MRK279	13:51	+69:33	6	3m	
225	COMP			↑		
226	N5508	14:15	+25:22	6	3m	
227	COMP			↑		
228-229	H244	13:21	+36:23	56	90s	
230	COMP			↑		
231-240	BIAS	bwbby4			0s	
241-250	FLAT				6s	
251-260	BIAS	bwbby2			0s	
261-270	FLAT				12s	
271-275	DARK				20m	bwbby 2