

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>P Berlin</u>		Grating: <u>3000</u>			Page: <u>7623</u>	
PI: <u>Huck and Kenyon</u>		Date: <u>10/10/99</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-8	DARK				15m	
9-11	test				5s	
12-21	BIAS				0s	clear skies!!
22-31	FLAT				7s	
32-41	BIAS				0s	
42-51	FLAT				14s	
52-56	sky	zenith		59	2s	
57	COMP			↑	5s	
58-61	HD192281	20:10	+46	56	5s	
62				↑		
63	ZM1831262	18:31	+7825	68	3m	
64	COMP			↑		
65	ZM1831220	18:31	+7122	68	3m	
66	COMP			↑		
67	ZM1831918	18:31	+7403	68	3m	etc.
68	COMP			↑		
69	ZM1831568	18:31	+3144	68	3m	
70	COMP			↑		
71	ZM1834272	18:34	+7827	68	3m	+ to W
72	COMP			↑		
73	COMP			↓		1.5" slit ↓
74-75	GMSgr	18:19	-7524	99	4m	PA=25 L
76	COMP			↑		
77-79	ASS29	18:53	-2422	12	30s, 12s	3" slit ↓
80	COMP			↑		
81	Draco1	17:19	+5750	12	15s	PA=90 L
82	COMP			↑		

110 BIN BY 2 DARKS
 FLATS FOR 1.5" should have been done
 before changing to 1200 l/mm grating

REDUCED DATA FROM THIS NIGHT IN 3 SECTIONS
 SET 1 - through file 161
 SET 2 - file 169 on
 SET 3 - 1.5" slit data

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>7624</u>	
Observer: <u>PB</u>			Grating: <u>3000</u>		Date: <u>10/10/99</u>	
PI: <u>JPH/Andi</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
83	3C390.3	18:42	+7946	6	11m	
84	COMP			↑		
85	ZM183226.4	18:32	+7125	68	4m	
86	COMP			↑		
87	ZM183344.7	18:33	+7107	68	4m	
88	COMP			↑		
89	ZM183418.7	18:41	+7350	68	3m	
90	COMP			↑		
91	ZM183430.0	18:41	+7043	68	2m	
92	COMP			↑		
93	ZM183620.1	18:36	+7525	68	2m	
94	COMP			↑		
95	ZM183832.6	18:38	+7259	68	2m	
96	COMP			↑		
97	ZM184438.1	18:44	+7343	68	2m	
98	COMP			↑		
99	ZM184735.5	18:44	+7258	68	4m	
100	COMP			↑		
101	MRK509	22:44	-10:43	6	4m	PA=12
102	COMP			↑		
103	Akn564	22:42	+29:43	6	5m	PA=100
104	COMP			↑		
105	59g6063.258	00:21	+71:54	59	4m	PA=90
106	COMP			↑		
107	259 EW	00:21	+73:28	59	10m	bin by 2 EW camps
108	COMP			↑		
109	260	00:21	+72:47	59	4m	
110	COMP			↑		
111	261	00:21	+72:20	59	7m	
112	COMP			↑		

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Observer: <u>PB</u>			Grating: <u>300R</u>			
PI: <u>Andi</u>			Date: <u>10/19/99</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
113	Stryls 263.262	00:21	+22:01	S9	10m	LSB
114	COMP			↑		
115	263	00:21	+22:18	S9	5m	
116	COMP			↑		
117	265	00:21	+22:54	S9	4m	
118	COMP			↑		
119	268	00:22	+22:25	S9	4m	
120	COMP			↑		
121	270	00:22	+23:44	S9	4m	
122	COMP			↑		
123	271	00:22	+22:29	S9	3m	N gal
124	COMP			↑		
125	272	00:22	+22:28	S9	3m	S gal
126	COMP			↑		
127	273	00:22	+22:14	S9	4m	
128	COMP			↑		
129	274	00:22	+22:32	S9	2m	
130	COMP			↑		
131	276	00:23	+21:23	S9	7m	
132	COMP			↑		
133	277	00:23	+21:11	S9	6m	
134	COMP			↑		
135	MRK 335	00:06	+20:12	6	4m	PA=90
136	COMP			↑		
137	275EW	00:22	+23:43	S9	8m	E+W comps PA=490
138	COMP			↑		
139-40	Foxp 110	23:17	-05:26	S9	2m	PA=6
141	COMP			↑		
142	N7469	23:03	+08:52	6	2m	PA=18
143	COMP			↑		

60 inch Telescope Log

Observer: PB
 PI: Ken & Sheila

Spectrograph: FAST
 Grating: 300 + 1200
 Date: 10/10/99

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
144	a119_217	00:47	-01:48	64	6m	
145	COMP			↑		
146	218	00:55	-01:44	64	9m	
147	COMP			↑		
148	219	01:05	+01:30	64	4m	
149	COMP			↑		
150	221	00:57	-01:18	64	5m	
151	COMP			↑		
152	222	01:00	-02:44	64	7m	
153	COMP			↑		
154	223	00:48	+01:24	64	6m	extra gal to E
155	COMP			↑		
156	226	00:53	-04:17	64	6m	
157	COMP			↑		
158	227	00:54	-03:17	64	4m	
159	COMP			↑		
160	229	00:57	+01:51	64	6m	
161	COMP			↑		
						bin by 4a ↓
162-164	H12029	01:58	+24:22	62	2s	12002 g; 3" slit; tilt=38°
165	COMP			↑	5s	$\lambda_c = 6800 \text{ \AA}$ focus = 1160
166	COMP			↓	5s	PA = 30
167-175	AD13 Mp1531B	01:51	+15:39	62	20m	wk em.
176	COMP			↑	5s	
177-186	FLAT			62	20s	
187-188	BIAS			0s	0s	
						bin by 2 ↓
189,191	SN1999eb	01:43	+04:13	Z	20m	3000; 3" slit; tilt = 610
190,192	COMP			↑		focus = 1110 "normal" PA = 39

60 inch Telescope Log

Observer: PS

PI: Calvet

Spectrograph: FAST

Grating: 300R

Date: 10/10/99

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Number	Object	R.A.	Dec	L/R	Exp	Comments
193	SN1999 dg	02:33	+20:58	2	20m	
194	COMP			↑		
195	quasol 37958	05:22	-01:28	112	7m	
196	COMP			↑		
197	25616	05:15	-02:06	112	6m	PA = -15 ↓
198	COMP			↑		
199	31414	05:19	-02:01	112	10m	PMS!
200	COMP			↑		
201	35068	05:19	-02:59	112	4m	
202	COMP			↑		
203	35886	05:20	-02:45	112	5m	PA = -8 ↓ Li
204	COMP			↑		
205	31210	05:20	-02:05	112	4m	PA = -5 ↓
206	COMP			↑		
207	45795	05:22	-01:45	112	8m	
208	COMP			↑		
209	33655	05:21	-01:16	112	4m	PA = 0 ↓
210	COMP			↑		
211	46898	05:23	-01:33	112	11m	
212	COMP			↑		
213	33139	05:23	-02:09	112	9m	PMS
214	COMP			↑		
215	NGC 1760	04:54	-04:51	57	2m	
216	COMP			↑		
217	Hiltner 60	06:42	-02	56	45s	PA = -14
218	COMP			↑		
219	B Fori	05:37	-06:35	51	30m	PA = 20
220	COMP			↑		
221	V 3800ri	05:36	-06:42	87	10, 20, 30m	nrc neb
222	COMP			↓		

60 inch Telescope Log

Observer: PB
 PI: Calvet

Spectrograph: FAST
 Grating: 300
 Date: 10/10/99

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
228-229	PQ Ori	0553	-02-12	89	6m	jd ok
230	COMP			↑		
231-233	HD 27571	0459	+24-22	57	3s	PA=90°
234	COMP			↑		
235-237	HD 34959	0521	+1148	57	2s	
238	COMP			↑		
239-241	HD 31647	0459	+37-53	57	2s	
242	COMP			↑		
243-45	HD 29808	0424	+21-44	57	2s	
246	COMP			↑		
247-249	HD 27583	0419	+16-31	57	2s	
250	COMP			↑		
251-253	HD 26015	0409	+1509	57	2s	clear & down!
254	COMP			↑		
255-264	BIAS				0s	
265-274	FLAT				7s	
275-284	BIAS				0s	
285-294	FLAT				14s	
295-304	FLAT			99	10s	1.5" slit
305-314	BIAS			62	0s	bin by 4a
315-324	PARK			62	20m	bin by 4a