

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5795</u>	
Observer: <u>PBerland/Jeanm KucaszKewse</u>			Grating: <u>3000; 3" Slit</u>			
PI: <u>Kempen/Kirshen/W.Kes/Kur.</u>			Date: <u>11/22/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK			0	15m	bin by 4
6-10	DARK			0	15m	bin by 2
11-20	FLAT 2			69	9s	bin by 4; 2" Slit
21-30	BIAS			0	0s	
31-40	FLAT			0	6s	3" Slit
41-50	BIAS			0	0s	
51-60	FLAT			0	12s	
61-65	SKY			57	2s	clouds.
66	COMP			↑		
67-69	HD 92251	20:40	+40:07	56	4s	
70	COMP			↑		
71-72	CIC 77	19:50	+75:11	12	1/2, 30s	
73	COMP			↑		
74-75	DD 284211	21:48	+28:37	56	30s	
76	COMP			↑		
77-78	ZAD	23:33	+48:49	12	0.5s, 10s	
79	COMP			↑		
80	N 7469	23:05	+06:52	6	21m	
81	COMP			↑		
82	MRK 557	20:41	-10	6	3m	
83	COMP			↑		
84	N 77371	22:31	+74:09	57	3m	
85	COMP			↑		
86	XC 390.3	18:45	+71:43	6	12m	
87	COMP			↑		
88	Q 1928 p 738	19:27	+73:58	69	20m	2" Slit
89	COMP			↑		
90	SN 1977ds	22:24	-07:29	2	20m	
91	COMP			↑		clouds
92	Feyello	23:17	-05:26	56	4m	

60 inch Telescope Log

Observer: PBSJK

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 3002

Date: 11/22/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
93	COMP			↑		
94	M32	00:39	+40:35	57	6 min	clouds ↓
95	COMP			↑		
96	M32	00:39	+40:35	57	1 min	
97	COMP			↑		
98	158m 213	00:40	+40:50	57	5 min	
99	COMP			↑		
100	sr gb 062.47	00:17	+29:41	59	10m	redo yes redo
101	COMP			↑		
102	sr gb 062.48	00:17	+29:28	59	10m	clouds redo
103	COMP			↑		
104	sr gb 062.51	00:18	+30:03	59	12m	huge cosmic ray
105	COMP			↑		
106	sr gb 062.52	00:18	+29:57	59	10m	clearing nicely
107	COMP			↑		
108	MRK335	00:03	+19:55	6	3m	
109	COMP			↑		
110	SN1997dt	23:40	+15:59	2	15m	
111	COMP			↑		
112	S82.007006	23:18	+04:11	55	11m	redo from 11/5/97 (#99)
113	COMP			↑		
114	00227p643.big	00:25	+06:09	42	20m	for Norm = 25 burn-in
115	COMP			↑		
116	S26.026409	00:52	+06:40	55	9m	redo from 11/4/97
117	COMP			↑		
118	S26.027003	00:52	+06:02	55	10m	redo from 11/4
119	COMP			↑		
120	S26.028895	01:06	+06:11	55	4m	redo from 11/4 wk; em
121	COMP			↑		
122	S26.031097	00:59	+06:24	55	12m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>PBJJK</u>				Grating: <u>3002</u>		Page: <u>5797</u>
PI: <u>Geller</u>				Date: <u>11/22/97</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
123	COMP			↑		
124	S26.051242	01:03	+06:24	SS	6m	
125	COMP			↑		
126	S26.031757	01:06	+06:27	SS	10m	em
127	COMP			↑		
128	S29.002498	01:57	+03:42	SS	5m	redo from 11/4 em
129	COMP			↑		
130	S29.007971	02:02:36	+04:07	SS	4m	redo from 11/4 em
131	COMP			↑		
132	S29.021116	02:16	+05:08	SS	4m	redo from 11/4 em
133	COMP			↑		
134	S29.061694	02:01	+04:29	SS	5m	
135	COMP			↑		
136	S29.061989	02:02	+04:30	SS	5m	
137	COMP			↑		
138	S29.062213	02:05	+04:31	SS	6m	
139	COMP			↑		
140	S29.062098	01:55	+04:25	SS	6m	
141	COMP			↑		
142	S29.070448	02:06	+04:13	SS	4m	
143	COMP			↑		
144	S29.071173	01:58	+04:17	SS	6m	
145	COMP			↑		
146	S29.073583	02:12	+04:29	SS	6m	
147	COMP			↑		
148	S29.074520	02:15	+04:32	SS	6m	em
149	COMP			↑		
150	S29.075213	02:13	+04:36	SS	6m	
151	COMP			↑		
152	S29.076199	02:11	+04:40	SS	7m	

60 inch Telescope Log

Observer: POJJK

PI: Huchra

Spectrograph: FAST

Grating: 300R

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
153	WMP			↑		
154	AKR	01:36	+15:45	12	3s, 70s	
156	WMP			↑		
157	2MJ024044	02:40	+15:46	68	8m	
158	WMP			↑		
159	2MJ024050	02:40	+14:42	68	6m	
160	WMP			↑		
161	2MJ024057	02:40	+12:04	68	5m	
162	WMP			↑		
163	2MJ024102	02:41	+16:15	68	6m	
164	WMP			↑		
165	2MJ024230	02:42	+13:57	68	5m	S part, wk but nice abs lines
166	WMP			↑		
167	2MJ02424	02:42	+17:42	68	5m	
168	WMP			↑		
169	2MJ0242	02:42	+13:14	68	6m	
170	WMP			↑		
171	2MJ24311	02:43	+17:29	68	6m	
172	WMP			↑		
173	2MJ24324	02:43	+16:09	68	4m	
174	WMP			↑		
175	2MJ24324	02:43	+16:11	68	4m	
176	WMP			↑		
177	AP5154, star	03:54	+20:18	43	3m	2 stars w/ nebula nearby
178	WMP			↑		
179	AP5154	03:54	+20:18	43	15m	redo faint - redo? or weak?
180	WMP			↑		
181	07164p5046	07:16	+50:46	43	3m	em redo from 11/4
182	WMP			↑		
183	07171p5506	07:17	+55:06	43	6m	

60 inch Telescope Log  
 Observer: PBSJK  
 PI: Huchra  
 Spectrograph: FAST  
 Grating: JWR  
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
184	COMP			↑		
185	07180 p 5635	07:18	56:35	43	3m	redo 11/4
186	COMP			↑		
187	07205 p 5440 W	07:20	54:40	43	7m	
188	07205 p 5440 M	--" --	--" --		5m	
189	07205 p 5440 E	--" --	--" --		4m	
190	COMP			↑		
191	07235 p 5332	07:21	53:32	43	3m	redo 11/4
192	COMP			↑		
193	07260 p 5132	07:26	51:32	43	4m	redo 11/4
194	COMP			↑		
195	07320 p 5132	07:32	51:32	43	3m	em redo 11/4
196	COMP			↑		
197	07361 p 5246	07:36	52:46	43	3m	em redo 11/4
198	COMP			↑		
199	07395 p 624	07:39	62:04	43	2m	redo 11/4
200	COMP			↑		
201	07424 p 7037	07:42	70:37	43	5m	HL pix 2055! redo 11/4
202	COMP			↑		see 11/4 file for strong cap
203	± 2174	07:42	71:23	43	4m	
204	COMP			↑		
205	07247 p 7344	07:24	73:44	43	3m	
206	COMP			↑		
207	07278 p 7343	07:27	73:43	43	3m	
208	COMP			↑		
209	07331 p 7533	07:33	75:33	43	4m	
210	COMP			↑		
211	07480 p 7432	07:48	74:32	43	1m	
212	COMP			↑		
213	07473 p 7216	07:47	72:16	43	5m	

60 inch Telescope Log

Observer: PB  
 PI: Hucha

Spectrograph: FAST

Grating: 300L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
214	COMP			↑		
215	07478p 5513	07.47	+55.13	43	10m	L50 wk emp p 2102; wk
216	COMP			↑		larger 1000? 4000s
217	DG Tan	04	+76	12	10,90	
219	COMP			↑		
220	DR Tan	04	+75	12	10,80	
222	COMP			↑		
223	DR Tan	04	+76	12	10,75	
225	COMP			↑		
226	Hiltner 600	06.42	-02	56	40s	
228	COMP			↑		
229	07508p 0640	07.50	+06.40	43	10m	*to W; emp pix 216s
230	COMP			↑		
231	07493p 1115	07.49	+11.15	43	10m	
232	COMP			↑		
233	07489p 1118	07.48	+11.18	43	8m	
234	COMP			↑		
235	07486p 1106	07.48	+11.06	43	10m	
236	COMP			↑		
237	07482p 0943N	07.48	+09.43	43	5m	
238	07482p 0943S	07.48	+09.43	43	5m	
239	COMP			↑		
240	07448p 1022	07.44	+10.22	43	7m	E
241	COMP			↑		
242	07463p 5601	07.46	+56.01	43	7m	
243	COMP			↑		
244	07492p 5310	07.49	+53.10	43	7m	
245	COMP			↑		
246	07498p 5156	07.49	+51.56	43	3m	36
247	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5801</u>	
Observer: <u>PB</u>			Grating: <u>3WL</u>			
PI: <u>Huckra</u>			Date: <u>11/22/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
248	07510p7355	07.51	+73.55	43	2m	
249	COMP			↑		
250	07510p4419	07.51	+44.19	43	4m	
251	COMP			↑		
252	07515p4337	07.51	+43.37	43	90m	em
253	COMP			↑		
254	07513p4348	07.51	+43.48	43	4m	
255	COMP			↑		
256	N2461	07.52	+56.49	43	3m	
257	COMP			↑		
258	07531p5840	07.53	+58.40	43	5m	
259	COMP			↑		
260	07537p5250	07.53	+52.50	43	4m	clear skies @ dawn
261	COMP			↑		
262	07569p5541	07.56	+55.41	43	4m	
263	COMP			↑		
264	N4151	12.08	+35.41	6	30s	6:10
265	COMP			↑		
266-268	Feige 34	10.76	+43.21	56	90s/1m	
269	COMP			↑		
270-271	BINS			0	0s	
280-281	FLAT			0	6s	
290-291	BINS			0	0s	bin by 2
300-301	FLAT			0	12s	↑
310-319	DARK			0	15m	bin by 4