

60 inch Telescope Log			Spectrograph: <u>F15T</u>		Page: <u>5829</u>	
Observer: <u>P. Berlin</u>			Grating: <u>3002</u>			
PI: <u>All</u>			Date: <u>11/28/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-3	DARK				20m	bin by 2
4-8	DARK				15m	bin by 4
9-18	BIAS				0s	"
19-28	FLAT				6s	bin by 4
29-38	BIAS				0s	bin by 2
39-48	FLAT				12s	"
49-51	sky	zenith		S7	2s	
55	COMP			↑		clear skies
56-58	HD 212593	22:24	+49	S7	1s	
59	COMP			↑		
60-62	HD 207496	21:44	+62	S7	2s	
63	COMP			↑		
64-66	HD 208949 NW	21:57	+66	S7	2s	
67-69	HD 208949 SE	21:57	+66	S7	1s	
70	COMP			↑		
71-73	HD 210221	22:07	+53	S7	2s	
74	COMP			↑		
75-77	HD 212466	22:23	+55	S7	2s	
78	COMP			↑		
79-81	HD 216411	22:51	+59	S7	2s	
82	COMP			↑		
83-85	HD 213534	22:23	+29	S7	3s	
86	COMP			↑		
87-89	HD 212534	22:23	+50	S7	15s	
90	COMP			↑		
91-93	HD 192261	20:10	+40	S7	4s	
94	COMP			↑		
95-96	CFEys	19:50	+35	H2	1/4 30s	
97	COMP			↑		
98-99	BDP 284211	21:48	+28:57	S6	30s	

60 inch Telescope Log

Observer: PB
 PI: Geller/Kirshner

Spectrograph: FAST
 Grating: 3002
 Date: 11/28/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
100	COMP			↑		
101-102	2And	23:33	+49:49	12	0.5s, 12s	
103	COMP			↑		
104	Forn 110	23:37	+6:26	56	90s	rt system crash
105	COMP			↑		
106	M7469	23:03	+08:52	6	2m	
107	COMP			↑		
108	M2K335	00:00	+19:55	6	3m	
109	COMP			↑		
110/12	2M3184012	18:10	+17:19	68	8m	10m + 2wk; no's in orbit? 2 objects + star
111/13	COMP			↑		
114	SN1997dt	23:10	+15:59	2	20m	6m by 2
115	COMP			↑		
116	S83.016875	23:49	+06:26	55	7m	
117	COMP			↑		
118	S83.016936	23:51	+06:26	55	6m	
119	COMP			↑		
120	S83.052817	23:32	+06:51	55	3m	
121	COMP			↑		
122	S83.051325	23:50	+06:49	55	8m	
123	COMP			↑		
124	S83.056167	23:17	+07:01	55	7m	
125	COMP			↑		
126	S83.061478	23:47	+07:26	55	6m	
127	COMP			↑		
128	S83.064092	23:49	+07:37	55	7m	
129	COMP			↑		
130	S83.061806	23:54	+07:27	55	7m	
131	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5831</u>	
Observer: <u>RB</u>			Grating: <u>300L</u>			
PI: <u>Geller</u>			Date: <u>11/28/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
132	583.065115	23:38	+07:59	SS	7m	
133	COMP			↑		
134	583.071001	23:53	+08:07	SS	4m	
135	COMP			↑		
136	583.067534	23:53	+07:51	SS	3m	
137	COMP			↑		
138	583.067868	23:54	+07:53	SS	7m	
139	COMP			↑		
140	583.071321	23:53	+08:08	SS	10m	em
141	COMP			↑		
142	583.074489	23:54	+08:22	SS	8m	
143	COMP			↑		
144	583.075797	23:42	+08:29	SS	8m	cosmic on Ho-
145	COMP			↑		
146	583.078862	23:43	+08:42	SS	6m	
147	COMP			↑		
148	583.081577	23:36	+08:34	SS	5m	
149	COMP			↑		
150	583.080465	23:44	+08:49	SS	5m	
151	COMP			↑		
152	583.082182	23:46	+08:57	SS	5m	
153	COMP			↑		
154	583.083546	23:45	+09:03	SS	5m	
155	COMP			↑		
156	583.021289	23:39	+08:03	SS	8m	? - plate flaw; not on 2 nd gen DSS; not on sky
157	COMP			↑		
158	583.085788N	23:41	+09:01	GS	10m	em
159	COMP			↑		
160	583.085788C	23:41	+09:01	SS	8m	
161	583.085788W	23:41	+09:01	SS	10m	

156 - nothing on 2d - but looked at picture in 1st DSS + saw 2 bright interacting galaxies - NOTE TO PERRY

60 inch Telescope Log
 Observer: PB
 PI: Geller/Arch
 Spectrograph: FAST
 Grating: 300L
 Date: 11/28/97
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
162	COMP			↑		clear skies!
163	S83.085309	23:37	+09:11	SS	8m	
164	COMP			↑		
165	S83.084824	23:47	+09:08	SS	8m	
166	COMP			↑		
167	S83.08503E	23:44	+09:09	SS	7m	
168	S83.085003W	23:44	+09:09	SS	7m	
169	COMP			↑		
170	S83.08594	23:39	+09:42	SS	6m	
171	COMP			↑		
172	S83.085720	23:37	+09:13	SS	5m	
173	COMP			↑		
174	S83.087327	23:37	+09:20	SS	6m	
175	COMP			↑		
176	S83.092326	23:34	+09:42	SS	7m	
177	COMP			↑		
178	S83.088820	23:35	+09:27	SS	5m	
179	COMP			↑		
180	S83.090838	23:35	+09:36	SS	5m	
181	COMP			↑		
182	S83.091141	23:41	+09:37	SS	7m	
183	COMP			↑		
184	S83.095593	23:45	+09:12	SS	8m	
185	COMP			↑		
186	Srgbl19.59	02:10	+06:26	SS	20m	high z
187	COMP			↑		
188	15527	02:48	-01:01	SS	20m	very faint - got it - em!
189	COMP			↑		1529, 2100 w/comp like COMP NO GOOD
190	AXR	01:36	+9:45	12	3.75s	very bright
192	COMP			↑		

used comp 187 for file 188 = this is not a good or normal thing to do. Using it only because to show galaxy is outside of group - don't trust velocity

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5833</u>	
Observer: <u>PB</u>			Grating: <u>30R</u>			
PI: <u>Huchra, Betz, Krisher, Wilkes</u>			Date: <u>11/28/97</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
193	AP5154	03:54	+10:18	43	20m	also obs 11/22/97 #179
194	COMP			↑		looks good
195	C0609p32	06:09	+32:33	43	20m	FOGC 88 20580; still? W/ extended em. input 2206
196	COMP			↑		
197	C0611p33	06:11	+33:35	43	20m	* to E; good em
198	COMP			↑		
199-200	DR1m	04:27	+16	12	10s, 90s	
201	COMP			↑		
202-203	DR1m	04:33	+25	12	10s, 150s	
204	COMP			↑		
205-206	DR1m	04:47	+16	12	10s, 75s	
207	COMP			↑		
208	soqal 201	03:19	+41:34	60	8m	
209	COMP			↑		
210	soqal 206	03:31	+39:35	60	20m	*'s on slit - many
211	COMP			↑		burn-in
212-213	Hiltner 60	06:42	+102	56	40s	
214	COMP			↑		
215	Z005593	08:18	+58:15	60	5m	redo from 11/27; em
216	COMP			↑		
217	SN UGC4107	07:57	+49:33	2	20m	bin by 2 - very unusual sn.
218	COMP			↑		
219	noqal.001	08:04	+24:30	60	15m	
220	COMP			↑		COMP NO GOOD
221	noqal.002	08:04	+24:30	60	5m	
222	COMP			↑		COMP NO GOOD
223	noqal.005	08:10	+24:55	60	6m	
224	COMP			↑		COMP NO GOOD
225	Q0923p119	09:23	+12:44	64	20m	2" slit 1.1
226	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5834</u>	
Observer: <u>P.B</u>			Grating: <u>300R</u>			
PI: <u>Wilkes & Kirshner</u>			Date: <u>11/18/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
227	Q0953p414	09:56	+41:15	66/69	17m	2" slit 11
228	COMP			↑		COMP NO GOOD
229	Q0953p414	09:56	+41:15	66/69	5m	5" slit
230	COMP			↑		COMP NO GOOD
231	Q0923p129	09:23	+12:44	66	4m	5" slit #22
232	COMP			↑		extended fuzz
233-234	Ferg 34	10:36	+43:21	56	1m	5" slit
235	COMP			↑		
236	Q1001p291	10:01	+28:55	69	5m	5" slit
237	COMP			↑		
238	Q1001p291	10:04	+28:55	69	15m	2" slit
239	COMP			↑		
240	G1001p054	10:04	+08:13	69	20m	2" * to E
241	COMP			↑		
242	G1001p054	10:04	+08:13	69	6m	5" * to E
243	COMP			↑		
244-245	Ferg 34	10:36	+43:21	56	1m	5"
246	COMP			↑		
247	SN1997dg	11:40	11:28	2	15m	3" slit
248	COMP			↑		radial light is amazing!
249	SN1997db	07:26	+47:05	2	12m	really bright; following eclipse
250	COMP			↑		up to zenith
251	M0421	11:01	+38:28	6	3m	
252	COMP			↑		
253	N4051	12:10	+44:48	6	3m	
254	COMP			↑		
255	N4258	12:16	+47:34	6	2m	
256	COMP			↑		
257	N4151	12:06	+39:41	6	30s	
258	COMP			↑		

USED COMP, FILE 239, FOR FILE 227

USED COMP, FILE 235, FOR FILE 229

60 inch Telescope Log

Observer: RB

PI: All

Spectrograph: FAST

Grating: 3002

Date: 11/29/97

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
259-	PK189 _{p19}	07:25	+29:29	57	1m	
260	COMP			r		
261-263	HD96243	08:16	+11:41	57	1s	
264	COMP			r		
265-274	BTAS			0	0s	binby 4
275-284	FLAT			0	6s	" 3" slit
285-294	BTAS			0	0s	binby 2
295-304	FLAT			0	12s	" 3" slit
305-314	FLAT 2			66969	9s	binby 4 2" slit
315-324	FLAT 5			66969	4s	5" slit
325-334	DARK			0	15m	binby 4 ; 3" slit back in