

60 inch Telescope Log				Spectrograph: <u>EAST</u>		Page: <u>4815</u>
Observer: <u>P Berlin</u>		Grating: <u>300R</u>		Date: <u>12/25/98</u>		
PI: <u>All</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	TRAK					
11-20	BIAS				0s	* Merry Christmas! *
21-30	FLAT				6s	
31-40	BIAS				0s	a few clouds
41-50	FLAT				18s	
51-55	sky	Zenith		57	2s	
56	COMP			↑	5s	
57-59	HD 202064	21:18	+42:36	57	3s	
60	COMP			↑		
61-63	HD 210839	22:14	59:24	57	5s	
64	COMP			↑		
65-67	HD 217001	22:20	51:48	57	5s	
68	COMP			↑		
69-71	HD 222640	23:42	62:57	57	3s	
72	COMP			↑		
73-75	HD 223116	00:00	+55:43	57	5s	
76	COMP			↑		
77-79	HD 226210	00:09	+62:13	57	5s	
80	COMP			↑		
81-83	HD 227086	22:51	+62:27	56	5s	
84	COMP			↑		
85-86	HD 229211	21:48	+75:39	56	40s	
87	COMP			↑		
88	Fogel10	23:17	-05:26	56	2m	bin by 2
89	COMP			↑		
90-91	M32					
92						
93	158m213				6m	
94	COMP					

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6816</u>
Observer: <u>PB</u>				Grating: <u>300R</u>		
PI: <u>Huchra &amp; Kuranji</u>				Date: <u>12/25/98</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
95	ZM05110.3	01:59	+30:28	68	8m	
96	COMP			↑		
97	ZM01480.3	01:48	+32:08	68	10m	
98	COMP			↑		
99	ZM01519.3	01:51	+41:03	68	8m	
100	COMP			↑		
101	ZM01528.9	01:52	+32:04	68	6m	
102	COMP			↑		
103	ZM01503.7	01:50	+32:01	68	7m	
104	COMP			↑		
105	ZM01510.5	01:51	+30:29	68	6m	
106	COMP			↑		
107	ZM01508.0	01:50	+32:25	68	10m	
108	COMP			↑		
109	ZM01495.3	01:49	+32:19	68	10m	
110	COMP			↑		
111	Galaxy Z4.012	03:02	+44:06	35	10m	to W PA=60
112	COMP			↑		gal-em
113	Galaxy Z4.034	02:45	+41:30	35	15m	
114	COMP			↑		
115	4.036	02:45	+42:18	35	15m	
116	COMP			↑		
117	4.037	02:46	+41:56	35	15m	em
118	COMP			↑		
119	4.039	02:45	+42:04	35	15m	em
120	COMP			↑		
121	4.043	02:46	+42:10	35	20m	
122	COMP			↑		
123	4.044	02:45	+42:11	35	15m	to E, em
124	COMP			↑		

60 inch Telescope Log  
 Observer: PB  
 PI: Geller  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 12/25/98  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
125-127	CICam	04:39	+55:58		2s, 20s, 90s	
128	COMP			↑		
129	a539.051555	05:15	+05:39	69	7m	* to E+W ; wk em
130	COMP			↑		
131	a539.051555	05:15	+07:08	69	5m	em: Sy 1
132	COMP			↑		
133	a539.051558	05:15	+04:43	69	6m	
134	COMP			↑		
135	a539.051558	05:15	+06:36	69	6m	bim by 2 * to W
136	COMP			↑		Faint comp to W with Ha
137	<del>a539.051558</del>	05:16	+04:05	69	15m	E+W comps; PA=100
138	COMP			↑		E-O-W high res
139	a539.051611	05:16	+06:11	69	10m	a-gal, a=star
140	COMP			↑		
141	a539.051614	05:16	+05:59	69	6m	
142	COMP			↑		
143	a539.051616	05:16	+06:35	69	15m	PA=100; bim by 2
144	COMP			↑		gal w/ faint comp to E (*)
145	a539.051753	05:17	+04:59	69	15m	Seems worse
146	COMP			↑		
147	a539.051810	05:18	+02:12	69	10m	em
148	COMP			↑		
149	a539.051816	05:18	+04:48	69	15m	
150	COMP			↑		
151	a539.05182	05:18	+03:39	69	10m	* to W
152	COMP			↑		
153	a539.051823	05:18	+04:45	69	20m	Faint
154	COMP			↑		
155	a539.051829	05:18	+06:22	69	10m	Superficial star but gal here em
156	COMP			↑		

60 inch Telescope Log  
 Observer: PB  
 PI: Dank.

Spectrograph: F/ST  
 Grating: 300R  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
157-8	Hiltner 62	06:42	+02:11	56	45s	
159	COMP			f		
160	q539.051848	05:18	+05:57	64	20m	285
161	COMP			f		
162	q539.051119	05:18	+05:58	64	12m	thin clouds
163	COMP			f		
164	q539.051851	05:18	+06:59	64	10m	could have used more!
165	COMP			f		
166	07070 p819	07:25	+06:12	68	20m	em pix 2000! Ho 150
167	COMP			f		
168	q539.05184	05:18	+06:19	64	20m	
169	COMP			f		
170	q539.051931	05:19	+05:49	64	15m	
171	COMP			f		
172	SNR98cc	07:41	+09:44	2	20m	fruit
173	COMP			f		
174	GM1.016	09:15	+20:13	35	5m	
175	COMP			f		
176	047	09:19	+19:31	35	7m	
177	COMP			f		
178	048	09:17	+19:28	35	7m	
179	COMP			f		
180	049	09:18	+20:09	35	15m	
181	COMP			f		
182	050	09:18	+15:29	35	15m	wk
183	COMP			f		
184	052	09:17	+20:02	35	15m	high cz
185	COMP			f		
186	053	09:16	+20:16	35	12m	
187	COMP			f		

60 inch Telescope Log  
 Observer: PB  
 PI: \_\_\_\_\_

Spectrograph: FAST  
 Grating: 302  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
188	G6m1 055	0947	+1353	35	10m	
189	WMP			r		
190	056	0947	+1202	35	15m	
191	WMP			r		
192	WMP			↓		
193-194	SN1957eg	1311	+2255	2	20m	
195	WMP			r		
196-197	H244	13	+76	56	2m	
198	WMP			r		thin clouds @ dawn
199	IRC1026	0947	+1346	57	6m	
200	WMP			r		
201-203	HD105162	12	+12	57	2s	
204	WMP			r		
205-207	H105071	1227	+0831	57	2s	
208	WMP			r		
209-218	BIAS					
	FLAT					
	BIAS					
	FLAT					

258 files