

60 inch Telescope Log  
 Observer: P. Berlin  
 PI: Huchra  
 Spectrograph: FAST  
 Grating: 3002  
 Date: 7/25/98  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-12	DARK				20m	bin by 2
13-22	BINS					
23-32	FLAT					
33-42	BINS					scattered clouds
43-52	FLAT					
53-57	SKY			S	2s	
58	WMP			↑		
59-60	AGDs	16:01	+66:48	12	2s, 20x	
61	WMP			↑		
62-63	BDP371672	15:50	+33:08	S6	1m	
64	WMP			↑		seeing 2"
65	N418	12:08	+39:41	f	30s	
66	COMP			↑		
67	N5548	14:25	+25:72	f	3m	
68	WMP			↑		
69	H244	13:21	+36:23	S6	2m	
70	WMP			↑		
71	MRK271	13:51	+69:33	6	3m	
72	WMP			↑		
73	SBS1425p06	14:25	+60:39	6	10m	
74	WMP			↑		
75	2M11457.1	14:14	+12:42	68	5m	nice arc
76	WMP			↑		
77	2M11616.8 S	14:16	+14:28	68	8m	S comp nice
78	WMP			↑		
79	2M11616.8 N	14:16	+14:28	68	9m	N comp ok
80	WMP			↑		
81	2M11426.2	14:14	+12:37	68	10m	em
82	WMP			↑		

60 inch Telescope Log

Observer: PB  
 PI: Huchra & Andri

Spectrograph: FAST  
 Grating: 300R  
 Date: 7/25/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
83	2M141139.0	14:11	+16:27	68	5m	
84	COMP			↑		
85	2M141629.8	14:16	+15:22	68	5m	sup * all * *
86	COMP			↑		
87	2M141340.8	14:13	+19:53	68	9m	
88	COMP			↑		
89	2M141019.5	14:10	+21:46	68	8m	ok
90	COMP			↑		
91	2M141440.5	14:14	+17:13	68	6m	
92	COMP			↑		
93	2M14106.6	14:16	+13:07	68	9m	
94	COMP			↑		
95	2M163207.2	16:32	+22:03	68	7m	
96	COMP			↑		
97	2M163917.5	16:39	+20:28	68	7m	* to W weak; cm!
98	COMP			↑		
99	2M171421.6	17:14	+19:36	68	15m	* to W high ca
100	COMP			↑		
101	2M163207.4	16:32	+21:46	68	20m	ok high ca
102	COMP			↑		
103	2M170735.6	17:07	+21:58	68	15m	
104	COMP			↑		
105	3C390.3	18:45	+71:43	6	11m	
106	COMP			↑		
107	nrqs 388.015	16:19	+57:01	59	5m	(also obs 7/20/98)
108	COMP			↑		
109	023	16:19	+57:22	59	5m	
110	COMP			↑		
111	024	16:20	+57:35	59	12m	
112	COMP			↑		

60 inch Telescope Log

Observer: PB  
 PI: Andri Kluhne

Spectrograph: FAST  
 Grating: 302  
 Date: 7/25/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
113	NGC 388025	16:20	+37:47	S9	4m	
114	COMP			↑		
115	021	16:20	+37:33	S9	4m	
116	COMP			↑		
117	031	16:21	+38:09	S9	4m	
118	COMP			↑		
119	032	16:21	+38:10	S9	5m	
120	COMP			↑		
121	033	16:21	+37:10	S9	6m	
122	COMP			↑		
123	034	16:21	+37:59	S9	3m	
124	COMP			↑		
125	035	16:21	38:27	S9	9m	
126	COMP			↑		clouds to N+E
127	036	16:22	+37:23	S9	4m	
128	COMP			↑		
129	037	16:22	+37:59	S9	10m	* to E em
130	COMP			↑		
131	038	16:22	+37:50	S9	5m	
132	COMP			↑		
133	2M190059.4	19:00	+20:43	68	20m	ok
134	COMP			↑		
135	2M190036.3	19:00	+18:24	68	20m	*'s to W em
136	COMP			↑		
137	2M193003.6	19:30	+34:09	68	12m	
138	COMP			↑		
139-140	CCUg	19:50	+38:41	12	15,328	
141	COMP			↑		
142-143	BDp281211	21:48	+28:37	56	30s	30
144	COMP			↑		

60 inch Telescope Log

Observer: PBS

PI: Huchra/Kirshner

Spectrograph: FAST

Grating: 300

Date: 7/25/98

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Number	Object	R. A.	Dec.	I/R	Exp	Comments
145	MRK509	20:41	+10:54	6	3m	
146	COMP			↑		
147	ZM225941.5	22:59	+24:04	68	15m	Wcom; k to far E
148	COMP			↑		
149	ZM225852.2	22:58	+26:01	68	6m	em also obs 7/21/98
150	COMP			↑		
151	ZM225946.2	22:59	+27:33	68	6m	
152	COMP			↑		
153	ZM225720.9	22:57	+26:04	68	5m	
154	COMP			↑		
155	ZM225724.7	22:57	+27:14	68	5m	
156	COMP			↑		
157	ZM225826.0	22:58	+26:14	68	5m	
158	COMP			↑		
159	ZM225843.6	22:58	+26:01	68	7m	6m by Z comp to W
160	COMP			↑		both weak (faint)
161	ZM225758.7	22:57	+26:07	68	6m	
162	COMP			↑		
163	ZM225942.8	22:59	+28:06	68	7m	ok!
164	COMP			↑		
165	SN1998dh	22:11	+04:32	2	10m	good one!
166	COMP			↑		
167, 168	Ferguson	23:17	+06:26	56	90s	
169	COMP			↑		
170	NTM69	23:03	+08:52	6	2.5m	
171	COMP			↑		
172, 174	SN1998de	00:48	+27:37	2	20m	r2
173, 175	COMP			↑		
176	MRK335	00:03	+19:55	6	3m	
177	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6449</u>
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PI: <u>All</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
178	ZZSm280	00:41	+41:05	57	4m	#5 1
179	COMP			↑		
180	VLA-HE object	02:57	+23:47	68	1m	
181	COMP			↑		
180/183	AKPer	01:36	+54:15	12	80, 4s	
184	COMP			↑		
185/187	HD21704	22:51	+62:27	56	5s	
186	COMP			↑		
189-190	ZAnd	23:23	+18:49	12	30s, 2s	
191	COMP			↑		a few clouds @ dawn
192/193	AGPer	21:31	+12:57	12	0.5s, 12s	
194	COMP			↑		
195/196	M32	00:40	+40:35	57	30s	
197	COMP			↑		
198-207	BTAS				0s	
208-217	FLAT				6s	
218-227	BTAS				0s	
228-237	FLAT				12s	
238-247	DARK				20m	bmby 2