

60 inch Telescope Log

Observer: P. Berline

PI: Wilkes & Kivshner

Spectrograph: FAST

Grating: 3002, 3" slit

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Date: 7/15/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	BIAS				0s	
16-25	FLAT				7s	
26-35	BIAS				0s	bin by 2
36-45	FLAT				14s	
46-50	sky	zenith		S7	2s	
51	COMP			↑		clouds to S+E
52-53	AG Dra				2s, 25s	clear to W!
54	COMP					
55	N 4151				30s	
56	COMP					
57-58	BDp 332042	15:50	+33:05	S6	1m	
59	COMP			↑		
60	N 5846	15:03	+01:47	S7	2m	
61	COMP			↑		
62	N 5548	14:15	+25:22	6	3m	
63	COMP			↑		
64	MRK 421	11:01	+38:28	6	5m	
65	COMP			↑		
66-67	H 244	13:21	+36:23	S6	2m	bin by 2
68	COMP			↑		
69	MRK 271	13:51	+69:33	6	3m	
70	COMP			↑		
71	SBS 1425p606	14:25	+60:39	6	12m	
72	COMP			↑		
73	SN 1997eg	13:11	+22:55	2	20m	7 months on this one
74	COMP			↑		
75	MCG 9-11m19	15:18	+65:45	S7	5m	NOT A GOOD STD.
76	COMP			↑		em lines are double

60 inch Telescope Log

Observer: PB  
 PI: Huchra

Spectrograph: FAST  
 Grating: 3WL  
 Date: 7/15/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
77	CGCG319-007	15:18	+65:46	57	5m	
78	COMP			↑		Seeing 2.5"
79	ZM1401253	14:01	+19:31	68	6m	
80	COMP			↑		
81	ZM1410163	14:10	+19:39	68	7m	
82	COMP			↑		
83	ZM140137.3	14:01	+20:37	68	12m	
84	COMP			↑		
85	ZM141512.1	14:15	+14:28	68	12m	
86	COMP			↑		
87	ZM1413334	14:13	+16:07	68	15m	
88	COMP			↑		
89	ZM1410331	14:10	+19:09	68	15m	
90	COMP			↑		
91	ZM1410494	14:10	+17:52	68	10m	
92	COMP			↑		
93	ZM172157.7	17:21	+22:41	68	8m	bright to W; bright sky
94	COMP			↑		
95	ZM162844.0	16:28	+22:49	68	12m	Seeing better
96	COMP			↑		
97	ZM163919.5	16:39	+20:44	68	12m	clouds in E
98	COMP			↑		
99	ZM171452.2	17:14	+22:34	68	12m	6m by 2 close E-W pair
100	COMP			↑		W is a star (M)
101	ZM165918.0	16:59	+21:07	68	12m	
102	COMP			↑		moon's up
103	ZM165905.7	16:59	+18:32	68	12m	
104	COMP			↑		
105	ZM163202.8	16:32	+20:41	68	20m	
106	COMP			↑		

1657 v=13400 z=0.045

60 inch Telescope Log  
 Observer: PB  
 PI: Huchra & Krashner & Kanyon  
 Spectrograph: FAST  
 Grating: 3WR  
 Date: 7/15/98  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
107	ZM162843.0	16:28	+22:23	68	15m	
108	COMP			↑		
109	ZM165914.8	16:59	+22:00	68	10m	
110	COMP			↑		
111	ZM170021.4	17:00	+23:07	68	12m	
112	COMP			↑		increasing clouds
113	ZM171447.7	17:14	+20:41	68	12m	
114	COMP			↑		
115	ZM171440.2	17:14	+18:29	68	12m	
116	COMP			↑		
117	SN1998co	21:47	-13:11	2	20m	10m stopped by clouds
118	COMP			↑		2am
119-121	HD197201	20:20	+40:07	56	6s	
122	COMP			↑		mostly big clouds
123-125	CI C <sub>42</sub>	19:50	+35:41	12	15-35s	
126	COMP			↑		
127-130	CH C <sub>42</sub>	19	750	12	15s	
131	COMP			↑		
132-133	V1057 C <sub>42</sub>	20:57	+44:03	12	20s, 3m	
134	COMP			↑		
135-136	V1515 C <sub>42</sub>	21:45	+47:18	12	3m/1m	
137	COMP			↑		mostly cloudy
138-140	PG Key	21:51	+42:37	12	1s, 15s, 10s	good sucker hole
141	COMP			↑		
142	ZM194230.9	19:29	+20:47	68	3m/1m	planetary nebula
143	COMP			↑		
144	ZM191802.4	19:18	+18:34	68	10m	crowded field galaxy? + a few objects in sbt
145	COMP			↑		
146	SN1998co	21:47	-13:10	2	20m	clearing some
147	COMP			↑		10m w/ stopped again!

60 inch Telescope Log

Observer: PB

PI: All

Spectrograph: FAST

Grating: 300R

Date: 7/15/98

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
148	ZM225844.4EW	22:58	424:38	68	12m	binby2; E+W comps
149	COMP			↑	11m	Stopped again
150-159	BIAS				0s	Solid clouds ☹
160-169	FLAT				7s	
170-179	BIAS				0s	
180-189	FLAT				14s	
190-194	DARK				15m	
195	Comp		late exp??			