

60 inch Telescope Log

Observer: P Berlin

PI: And: 4 Betg

Spectrograph: FAST

Grating: 300L

Date: 6/8/99

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
10	DARK				15m	
11-20	BINS				0s	crystal clear skies
21-30	FLAT				7s	
31-40	BINS				0s	
41-50	FLAT				14s	
51-55	sky	zenith		S4	2s	
56	COMP			f		
57-58	Foarp 39	10:36	+43:21	S6	90s	PA=100
59	COMP			f		
60	N3577	10:45	+17:58	S7	2m	
61	COMP			f		
62	5526164.189	11:20	-07:18	S9	4m	* to W
63	COMP			f		
64	.205	11:22	-07:39	S9	2m	
65	COMP			f		
66	.212	11:22	-07:40	S9	2m	
67	COMP			f		
68	.221	11:23	-07:46	S9	4m	
69	COMP			f		
70	.220	11:23	-08:06	S9	2m	
71	COMP			f		
72-74	SN1999by	09:21	+51:60	2	10m	PA=90
75,75	COMP			f		
76	magal-120	10:51	+43:42	73	8m	
77	COMP			f		
78	121	10:51	+43:45	73	15m	
79	COMP			f		
80	98-100	10:13	+18:07	73	20m	PA=86
81	COMP			f		100 row 101 98 @ row 34

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
82	NGC 124-125	11:07	+18:25	73	15m	PA=58
83	COMP			↑		50 125 row 124 row
84,86 85,87	SN 1999cl COMP	12:31	+14:25	2	12m	PA=58 tilt=585 blue tilt ↓
88	H244	13:21	+36	56	2m	PA=90 ↓
89	COMP			↑		
90	H244	"	"	56	2m	tilt=60 ↓
91	COMP			↑		
92	NGC 173	11:45	+19:58	73	10m	
93	COMP			↑		
94	176	11:45	+19:58	73	20m	extended cm.
95	COMP			↑		
96	206	12:05	+17:53	73	12m	
97	COMP			↑		
98	314	13:57	+12:01	73	8m	
99	COMP			↑		
100	315	13:57	+11:59	73	12m	
101	COMP			↑		
102	316	13:57	+11:58	73	20m	
103	COMP			↑		
104	343	14:09	+12:42	73	15m	nice one
105	COMP			↑		
106	355-356	14:17	+36:24	73	12m	PA=67 50 356 row 111 355 row 81
107	COMP			↑		
108	365-366	14:23	+35:16	73	12m	PA=60 50 365 row 105 366 row 55
109	COMP			↑		
110	361	14:21	+35:16	73	10m	
111	COMP			↑		

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
112	110gal-362	14.21	+78.12	73	8m	
113	COMP			f		
114	412	14.59	+13.12	73	15m	
115	COMP			f		
116	413	14.59	+13.13	73	15m	
117	COMP			f		
118	409	14.57	+19.41	73	10m	
119	COMP			f		
120	411	14.57	+19.40	73	10m	
121	COMP			f		
122	ZM170330.0	17.00	+11.10	68	3m	
123	COMP			f		
124	ZM110055.6	17.00	+37.56	68	4m	
125	COMP			f		
126	ZM1170235.7	17.02	+40.29	68	3m	
127	COMP			f		
128	ZM17030.3	17.03	+74.28	68	4m	
129	COMP			f		
130	ZM170304.6	17.03	+29.52	68	3m	
131	COMP			f		
132	ZM170302.0	17.03	+31.17	68	4m	
133	COMP			f		
134	ZM170308.7	17.03	+76.10	68	3m	
135	COMP			f		
136	ZM170315.4	17.03	+38.39	68	3m	
137	COMP			f		
138	ZM170335.0	17.03	+35.38	68	3m	
139	COMP			f		
140	ZM170340.0	17.03	+56.15	68	3m	
141	COMP			f		

140 - Superspeed star - got 2 possible velocities,
 one of which is stellar

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PI: Huchwa

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
142	ZM170343.2	17:03	+38:26	68	3m	
143	WMP			f		
144	ZM170343.2	17:03	+41:33	68	3m	
145	WMP			f		
146	ZM170432.2	17:04	+37:57	68	4m	
147	WMP			f		
148	ZM170356.6	17:03	+41:33	68	3m	* to W
149	WMP			f		
150	ZM170418.2	17:04	+38:51	68	3m	
151	WMP			f		
152	ZM170450.4	17:04	+41:53	68	3m	
153	WMP			f		
154	ZM170453.5	17:04	+40:29	68	3m	
155	WMP			f		
156	ZM170528.1	17:05	+41:49	68	3m	
157	WMP			f		
158	ZM170605.7	17:06	+40:04	68	3m	
159	WMP			f		
160	ZM170625.3	17:06	+39:12	68	3m	
161	WMP			f		
162	ZM170627.2	17:06	+39:30	68	3m	
163	WMP			f		
164	ZM170629.2	17:06	+33:03	68	3m	
165	WMP			f		
166	ZM170639.3	17:06	+39:32	68	3m	
167	WMP			f		
168	ZM170706.1	17:07	+35:38	68	3m	
169	WMP			f		
170	ZM170800.5	17:08	+36:70	68	3m	
171	WMP			f		

