

★ Start of FAST Run ★

60 inch Telescope Log

Observer: P. Berlin

PI: All

Spectrograph: FAST

Grating: 300R

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Date: 12/9/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
10	BIAS				0s	
11-20	FLAT				6s	
21-30	BIAS				0s	mostly clear
31-40	FLAT				12s	
41-45	SKY	Zenith		57	2s	
46	COMP			↑	5s	
47-49	U1624 Comp	test		57	0.5s	
50	COMP			↑		
51-55	HD193237	20		57	1s	
56	COMP			↑		
57-59	HD202904	20		57	1s	
60	COMP			↑		
61-62	HD217050	21		57	1s	
63	COMP			↑		
65-67	HD213320	21		57	3s	
68	COMP			↑		
69-71	HD217891	22		57	1s	
72	COMP			↑		
73-75	HD217086	22		56	6s	
76	COMP			↑		
77-78	SDp20424	21:48	+78:37	56	1m	
79	COMP			↑		
80-	Fairchild	23:17	-05:26	56	3m	
81	COMP			↑		
82-83	M32	00:39	+40:35	57	30s	
84	COMP			↑		poor seeing!
85	Z15m250	00:41	+41:05	57	5m	
86				↑		
87	ZM015003.S	01:50	+33:24	68	6m	
88	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>6762</u>
Observer: <u>PB</u>				Grating: <u>300R</u>		
PI: <u>Huchra</u>				Date: <u>12/9/98</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
89	ZM014707.7	01:47	+31:46	68	6m	
90	COMP			↑		
91	ZM014608.7	01:46	+32:25	68	6m	
92	COMP			↑		
93	ZM014739.9	01:47	+41:36	68	7m	
94	COMP			↑		
95	ZM014902.5	01:49	+32:33	68	10m	
96	COMP			↑		
97	ZM015320.4	01:53	+33:07	68	6m	
98	COMP			↑		
99	ZM015040.9	01:50	+33:09	68	6m	
100	COMP			↑		
101	ZM015329.7	01:53	+32:57	68	6m	6m by 2; ^M close to E
102	COMP			↑		gal-em
103	ZM015322.1	01:53	+40:04	68	6m	* to E
104	COMP			↑		
105	SN1988eg	21:30	+26:43	2	20m	waited for seeing to get better, but it is still poor.
106	COMP			↑		
107	ZM014944.1	01:49	+41:41	68	10m	em
108	COMP			↑		
109	ZM015019.9	01:50	+37:09	68	10m	
110	COMP			↑		look for new SN in N925
111	ZM015057.7	01:50	+32:57	68	6m	ok → not there? ↑
112	COMP			↑		
113	ZM015321.3	01:53	+41:12	68	7m	* to W
114	COMP			↑		
115	ZM015100.9	01:51	+32:53	68	9m	
116	COMP			↑		
117	SN1998es	01:37	+05:52	2	15m	tilt=595; PA=12
118	COMP			↑		

PA=12

60 inch Telescope Log

Observer: PB

PI: Huchra

Spectrograph: FAST

Grating: 3002, 3" slit

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
119	ZM020314.8	02:03	+19:43	68	4m	tilt=60.0; PA=90
120	COMP			↑		
121	ZM021306.0	02:13	+22:51	68	4m	
122	COMP			↑		
123	ZM021855.3	02:11	+22:35	68	4m	
124	COMP			↑		
125	ZM022911.9	02:29	+22:56	68	4m	
126	COMP			↑		
127	ZM021309.3	02:13	+22:57	68	4m	
128	COMP			↑		
129	ZM022542.9	02:25	+25:47	68	4m	
130	COMP			↑		
131	ZM022734.0	02:27	+26:33	68	4m	Center gal to E
132	COMP			↑		
133	ZM020319.5	02:03	+19:51	68	4m	
134	COMP			↑		
135	ZM02450.6	02:49	+13:08	68	4m	
136	COMP			↑		
137	ZM025545.7	02:55	+20:45	68	4m	to E
138	COMP			↑		
139	ZM024915.5	02:49	+29:57	68	4m	
140	COMP			↑		
141	ZM024625.4	02:36	+33:34	68	4m	
142	COMP			↑		
143	ZM022237.7	02:22	+25:56	68	5m	to W
144	COMP			↑		
145	ZM020014.5	02:00	+23:45	68	4m	
146	COMP			↑		
147	ZM021306.8	02:13	+12:51	68	4m	
148	COMP			↑		

60 inch Telescope Log

Observer: PB
 PI: Misc

Spectrograph: FAST
 Grating: 3000
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
149	ZM0248138	02:48	+18:15	68	4m	162
150	WMP			↑		N
151-2	HLXETa	04:31	+18:13	57	3m	E ; i
153	WMP			↑		x2 HL
154-156	CISlan	04:19	+55:59	107	2s-10s	
157	WMP			↑		clouds
158	BaGem	06:03	+27:41	100	6m	
159	WMP			↑		
160, 162	G191B2D	05:04	+52:45	56	2m 10m	PA=30; tilt=595 -117
161, 163	WMP			↑		clouds - heavy
164-173	FLAT				15s	tilt=595
174-183	FLAT				20s	tilt=6100; slit=1.1"
184-187	AB53Sp2C	05:38	+26:18	101	40s-90s	PA=90
188	WMP			↑		
189-190	HD39478	05:53	+26:25	101	60s	clouds
191	WMP			↑		
192, 195	NGC170	04:56	-04:52	57	6m	3" slit; tilt=6100; PA=90
194, 196	WMP			↑		many clouds.
197	07499p 629A	07:49	+62:59	68	3m	
198	WMP			↑		
199	9539.051056	05:13	+05:08	64	20m	13m stopped by clouds (red)
200	WMP			↑		
201	9539.69359	05:13	+05:18	64	10m	bet * to E in slit v. poor
202	WMP			↑		em ok; big cosmic
203	9539.051406	05:14	+06:31	64	12m	good em; cosmic near the (w)
204	WMP			↑		stop + go
205	9539.051411	05:14	+06:52	64	12m	
206	WMP			↑		SNOWING!

207-216
 217-226
 227-236
 237-246
 247-256

BSAS
 FLAT
 BSAS
 FLAT
 DARK

05
 75
 05
 145