

★ Start of FAST Run ★

60 inch Telescope Log

Observer: P. Berlin

PI: All

Spectrograph: FAST

Grating: 300R

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Date: 1/8/99

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BDAS				0s	
11-20	FLAT				6s	clear skies!
21-30	BDAS				0s	windy (E)
31-40	FLAT				12s	
41-45	sky	Zenith		S7	2s	
46	COMP			↑	5s	
47-49	HD 1337	00:17	+51:26	S7	1s	
50	COMP			↑		
51-53	HD 2207	00:26	+51:16	S7	2s	
54	COMP			↑		
55-57	HD 220855	00:01	+60:24	S7	2s	
58	COMP			↑		
59-61	HD 225160	00:04	+62:13	S7	2s	
62	COMP			↑		
63-65	HD 106	00:06	+63:40	S7	2s	
66	COMP			↑		
67-69	HD 226425	00:29	+60:12	S7	4s	
70	COMP			↑		
71-73	HD 217046	22:54	+62:27	S6	5s	
74	COMP			↑		
75	M32	00:39	+40:33	S7	30s	
76	COMP			↑		
77	225m780	00:11	+44:05	S7	4m	
78	COMP			↑		
79	MRK 335	00:03	+49:55	6	4m	
80	COMP			↑		
81	N 7469	23:23	+06:52	6	3m	
82	COMP			↑		
83	ZM003530	00:33	+15:51	65	15m	star in slit to E
84	COMP			↑		

chip gain calibration slightly low

60 inch Telescope Log

Observer: PB
 PI: Konyu-Huchra

Spectrograph: FAST
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
85	ZM003217.6	00:32	+12:25	GS	12h	
86	COMP			T		
87	021817p570549	02:18	+57:05	80	5m	* to E
88	COMP			T		
89	021846p570619	02:18	+57:06	80	7m	
90	COMP			T		
91	021847p5708	02:18	+57:08	80	30s	
92				T		
93	021848p5706	02:18	+57:06	80	7m	
94				T		
95	021849p5706	02:18	+57:06	80	2m	
96	COMP			T		
97	Sra6158-021	02:55	+08:18	S9	20m	poor seeing em
98	COMP			T		
99	.021	02:55	+08:15	S9	20m	
100	COMP			T		
101	.028	02:56	+08:29	S9	20m	
102	COMP			T		
103	.034	02:56	+08:28	S9	20m	
104	COMP			T		
105	.038	03:00	+08:04	S9	20m	
106	COMP			T		
107	SN1998cs	01:37	+05:52	Z	20m	
108	COMP			T		
109	Sra6158-017	02:55	+08:12	S9	20m	PA=60 to rotate bnt k out of slit
110	COMP			T		
111	.035	02:57	+08:57	S9	20m	
112	COMP			T		

K + 8:30

60 inch Telescope Log

Observer: PB

PI: Huchra

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
113	CF Cam	04:49	+55:59	107	3, 30, 2m	
116	COMP			T		Seeing 3-4"! ↓
117	B6 Cam	06:03	+27:44	100	6m	
118	COMP			T		
119	Akn120	05:13	-00:12	6	4m	
120	COMP			T		
121-122	Hiltner60	06:42	+02:11	56	1m	
123	COMP			T		
124	ZM051856.2	05:18	+16:12	68	8m	
125	COMP			T		
126	ZM050101.5	05:01	+12:33	68	20m	
127	COMP			T		
128	ZM050656.2	05:06	+26:45	68	20m	
129	COMP			T		
130	ZM051153.9	05:11	+20:33	68	20m	
131	COMP			T		
132	ZM051451.5	05:14	+19:05	68	20m	m*
133	COMP			T		
134	ZM051626.2	05:16	+15:17	68	20m	
135	COMP			T		
136	ZM051637.0	05:16	+14:07	68	20m	
137	COMP			T		
138	ZM070255.6	07:02	+29:12	68	20m	* to E
139	COMP			T		
140	ZM070310.4	07:03	+24:10	68	20m	
141	COMP			T		
142	ZM070210.4	07:02	+18:41	68	20m	
143	COMP			T		
144	ZM070135.6	07:01	+21:05	68	12m	
145	COMP			T		

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1/15/99

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>6862</u>	
Observer: <u>PB</u>			Grating: <u>3002</u>		Date: <u>1/8/99</u>	
PI: <u>Dank.</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
146	ZMOTRUS6	07:12	+18:39	68	20m	hub. quasar! → $z = 0.16!$
147	COMP			↑		
148	ZMOTRUS2	07:12	+18:09	69	20m	Poor seeing! ↓
149	COMP			↑		
150	ZMOTRUS.1	07:15	+21:09	68	15m	
151	COMP			↑		
152	MK2.029	10:29	-03:25	35	20m	
153	COMP			↑		Lucas measures 5"
154	028	10:27	-03:20	35	12m	Seeing @ 48"
155	COMP			↑		
156	031	10:27	-02:34	35	20m	
157	COMP			↑		
158	032	10:29	-02:44	35	20m	cm-dk
159	COMP			↑		
160	029	10:26	-03:15	35	20m	
161	COMP			↑		
162	030	10:29	-02:53	35	20m	
163	COMP			↑		Poor seeing
164	N4151	12:08	+39:41	6	45s	all night!
165	COMP			↑		
166	N5548	14:15	+25:22	6	5m	
167	COMP			↑		Clear ↓ down
168-9	H2M	13:21	+36:23	56	3m	
170	COMP			↑		
171-180	ISMS				0s	
181-190	FLAT				6s	
191-200	BIAS				0s	
201-210	FLAT				12s	
211-220	DARK				15m	