

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7234</u>
Observer: <u>PBerlin</u>				Grating: <u>3002 3" slit</u>		
PI: <u>JPH</u>				Date: <u>4/9/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	BTAS				0s	
1120	FLAT				7s	
21-30	BTAS				0s	
31-40	FLAT				14s	
41-45	SKY			57	3s	clear skies!
46	WMP			↑		
47-50	HD 52971	06:57	+27:13	57	4s	
51	WMP			↑		
52	Kepler	06:03	+27:41	100	6m	
53	WMP			↑		
54	ZM06472.6	06:14	+17:44	68	2m	*
55	WMP			↑		
56	ZM06102.5	06:10	+12:48	68	6m	*
57	WMP			↑		
58	ZM062905.7	06:29	+24:32	68	4m	
59	WMP			↑		
60	ZM062858.4	06:28	+24:41	68	4m	* to E
61	WMP			↑		
62	ZM063330.9	06:33	+28:04	68	5m	bin by 2; * to E + W
63	WMP			↑		
64	ZM064659.8	06:46	+27:12	68	4m	seeing 2-3"
65	WMP			↑		
66	ZM063015.1	06:30	+28:24	68	4m	
67	WMP			↑		
68	ZM063541.2	06:35	+26:14	68	5m	
69	WMP			↑		
70	ZM065335.2	06:53	+24:44	68	3m	
71	WMP			↑		
72	ZM065842.5 EW	06:52	+28:27	68	8m	PA=65° - E+W comps
73	WMP			↑		close pair

60 inch Telescope Log

Observer: PS
 PI: JPH

Spectrograph: FAST

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
74	ZM0627158	06:27	+28:33	68	7m	
75	WMP			↑		seeing ~2" +
76	ZM065255.7	06:52	+27:21	68	7m	
77	WMP			↑		
78	ZM0650305	06:50	+28:33	68	5m	277
79	WMP			↑		
80	ZM0634372	06:34	+25:57	68	7m	
81	WMP			↑		
82	ZM062944.7	06:29	+28:27	68	7m	
83	WMP			↑		
84	ZM061206.2	06:12	+15:09	68	12m	
85	WMP			↑		
86	SN1999K	08:51	+36:30	2	20m	? galaxy only
87	WMP			↑		
88	SN1999Z	10:22	+27:21	2	20m	
89	WMP			↑		
90	F4y34	10:34	+43:06	56	90s	
91	WMP			↑		
92	MRK421	11:01	+38:28	6	4m	
93	WMP			↑		
94	N3229	10:20	+20:07	6	3m	
95	WMP			↑		
96	M451	12:08	+39:41	6	30s	
97	WMP			↑		
98	N4051	12:20	+44:48	6	3m	
99	WMP			↑		delay @ 48"
100	N4466B				5m	
101	WMP			↑		
102	WMP					
103	ZM142311.9	14:23	+20:17	13	5m	
104	WMP			↑		

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PI: <u>JPH</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	ZM143853	14:53	+19:47	68	5m	
106	COMP			r		
107	ZM1437925	14:57	+22:06	66	5m	
108				r		
109	ZM144228.1	14:42	+12:54	68	15m	
110	COMP			r		
111	ZM145866.2	14:36	+21:44	68	6m	
112	COMP			r		
113	ZM144414.5	14:44	+25:33	68	5m	
114	COMP			r		
115	ZM1447024.6	14:46	+19:16	68	5m	
116	COMP			r		
117	ZM1451123	14:54	+21:35	68	10m	
118	COMP			r		
119	ZM1451427	14:51	+23:54	68	8m	M4: no gal
120	COMP			r		
121	ZM145933.0	14:59	+16:40	68	5m	
122	COMP			r		
123	ZM1455397	14:55	+22:24	64	6m	
124	COMP			r		
125	ZM144936.1	14:49	+22:08	68	5m	
126	COMP			r		
127	ZM145805.2	14:56	+19:44	68	5m	
128	COMP			r		
129	ZM145111.0	14:52	+20:04	68	4m	
130	COMP			r		
131	ZM1459514	14:54	+20:46	68	6m	
132	COMP			r		
133	ZM1454128	14:54	+18:33	68	6m	
134	COMP			r		

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Number	Object	R. A.	Dec.	C/R	Exp	Comments
135	ZM1444135	14:44	+15:23	68	5m	
136	WMP			↑		
137	ZM144658.1	14:46	+13:33	68	5m	
138	WMP			↑		
139	ZM145742.2	14:57	+18:16	68	5m	
140	WMP			↑		
141	ZM145904.1	14:59	+19:33	68	8m	
142	WMP			↑		
143	A16440505A	12:57	-17:06	81	15m	
144	WMP			↑		
145	A16440505B	12:57	-17:00	81	15m	
146	WMP			↑		
147	A16440505C	12:55	-16:59	81	12m	
148	WMP			↑		
149	N5548	14:15	+25:22	6	3m	
150	WMP			↑		
151	H244	13:21	+36:23	56	2m	
152	WMP			↑		
153	MAR209	13:51	+69:33	6	4m	
154	WMP			↑		
155	ZM130351.2	13:03	+12:23	68	5m	
156	WMP			↑		
157	ZM130610.1	13:05	+15:20	68	10m	
158	WMP			↑		
159	ZM130606.3	13:06	+10:30	68	18m	
160	WMP			↑		
161	ZM130652.5	13:06	+7:53	64	8m	
162	WMP			↑		
163	ZM131034.9	13:10	+16:10	64	15m	
164	WMP			↑		

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
165	ZM134143.0	13:41	+18:10	68	15m	* to W
166	WMP			f		
167	ZM134447.4	13:44	+20:38	68	9m	
168	WMP			f		
169	ZM134630.5	13:46	+22:42	68	6m	
170	WMP			f		
171	ZM135046.4	13:50	+23:11	68	6m	
172	WMP			f		
173	ZM135157.8	13:51	+21:37	68	12m	
174	WMP			f		
175	ZM135422.5	13:54	+14:49	68	5m	
176	WMP			f		
177	ZM150119.2	15:01	+12:37	68	5m	
178	WMP			f		
179	ZM150139.9	15:04	+15:55	68	5m	
180	WMP			f		
181	ZM150301.4	15:03	+21:30	68	5m	
182	WMP			f		
183	ZM150319.1	15:03	+17:07	68	5m	
184	WMP			f		
185	ZM150357.4	15:03	+14:58	68	5m	
186	WMP			f		
187	ZM150405.3	15:04	+16:35	68	5m	clear @
188	WMP			f		down.
189	ZM151357.1	15:13	+23:36	68	5m	
190	WMP			f		
191-200	BIAS				0s	
201-210	FLAT				7s	
211-220	BIAS				0s	
221-230	FLAT				14s	
231-240	DARK					