

** Start of FAST Run **

60 inch Telescope Log

Observer: P. Berland

PI: Huchra

Spectrograph: FAST

Grating: 300

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Date: 3/8/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				75	response down ~8% from last run.
31-40	BIAS				0s	
41-50	FLAT				14s	
51-55	sky			57	5s	nice sunset
56	WMP			r	5s	thin cirrus.
57-58	NGC 1790	04:56	+04:52	57	2m	
59	WMP			r		
60	G191B2B	5:01	+52:45	56	2m	
61	WMP			r		
62	ZM035257.9	03:52	+18:59	68	10m	
63	WMP			r		
64	ZM035017.2	03:50	+18:12	68	10m	
65	WMP			r		
66	ZM035019.3	03:04	+18:15	68	8m	
67	WMP			r		
68	ZM035059.2	03:06	+18:32	68	8m	
69	WMP			r		
70	ZM035319.6	03:23	+18:51	68	10m	bomb 2 op # to E
71	WMP			r		
72	ZM035521.8	03:35	+18:46	68	8m	
73	WMP			r		
74	ZM035424.6	03:46	+18:05	68	5m	
75	WMP			r		
76	ZM035439.7	03:14	+18:29	68	8m	
77	WMP			r		
78	ZM035295.5	03:29	+18:59	68	10m	
79	WMP			r		

Data was reduced in 2 sections
 Data before files 163-172 (1200 l grating)
 and Data after files 163-172

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
80	ZM051714.4	06:17	+21:13	68	10m	bin by 2 * 1.6
81	COMP			T		
82	ZM055522.3	06:50	+17:57	68	5m	
83	COMP			T		
84	ZM054520.1	06:46	+14:47	68	15m	
85	COMP			T		clouds.
86	ZM050658.8	06:06	+16:52	68	15m	
87	COMP			T		
88	ZM052013.0	06:20	+20:11	68	15m	
89	COMP			T		
90	ZM054457.1	06:44	+16:46	68	15m	
91	COMP			T		clouds.
92	ZM052135.0	06:21	+18:39	68	10m	
93	COMP			T		
94	SN1999ag	08:27	+21:29	2	20m	PH-45
95	COMP			T		
96	ZM062857.2	06:28	+24:32	68	10m	
97	COMP			T		
98	ZM064136.6	06:41	+16:10	68	10m	
99	COMP			T		
100	ZM061506.1	06:15	+17:53	68	4m	
101	COMP			T		
102	ZM065629.6	06:56	+14:31	68	5m	
103	COMP			T		
104	ZM065453.3	06:54	+13:10	68	6m	
105	COMP			T		
106	ZM061022.5	06:10	+20:31	68	10m	
107	COMP			T		
108	ZM080354.2	08:06	+19:48	68	10m	
109	COMP			T		

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PI: Huchra

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
110-111	Foggy 34	10:36	+43:21	SB	90s	clouds.
112	WMP			r		
113	ZM080759.2	08:03	+23:45	68	6m	
114	WMP			r		
115	ZM080921.1	08:09	+19:21	68	6m	Sy 2
116	WMP			r		
117	ZM080659.1	08:06	+19:51	68	6m	
118	WMP			r		
119	ZM080706.5	08:07	+18:06	68	15m	
120	WMP			r		
121	ZM091907.1	09:19	+21:30	68	4m	
122	WMP			r		
123	ZM091802.4	09:18	+20:17	68	5m	
124	WMP			r		
125	ZM091500.0	09:15	+22:35	68	5m	937
126	WMP			r		
127	ZM091023.5	09:10	+19:27	68	4m	
128	WMP			r		
129	ZM091506.0	09:15	+22:20	68	6m	
130	WMP			r		
131	ZM091579.5	09:15	+19:16	68	12m	pec.
132	WMP			r		
133	ZM091528.3	09:15	+21:08	68	7m	
134	WMP			r		
135	ZM091046.5	09:10	+19:36	68	5m	
136	WMP			r		
137	ZM091447.7	09:14	+22:34	68	4m	
138	WMP			r		
139	ZM091547.7	09:15	+22:29	68	6m	
140	WMP			r		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB</u>			Grating: <u>300L</u>		Page: <u>7106</u>	
PI: <u>Huchra & Torres</u>			Date: <u>3/8/99</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
141	ZM091517.7	09:15	+18:04	68	12m	clouds.
142	COMP			r		
143	NY227	10:20	+20:27	6	3m	
144	COMP			r		
145	MRK421	11:01	+38:28	6	4m	
146	COMP			r		
147	NH051	12:6	+44:48	6	2m	
148	COMP			r		
149	NH051	12:08	+39:41	6	35s	
150	COMP			r		
151	ZM100109.8	10:01	+27:24	68	12m	
152	COMP			r		
153	ZM100245.5	10:02	+21:40	68	6m	
154	COMP			r		
155	ZM102916.1	10:25	+15:27	68	6m	
156	COMP			r		
157	ZM103347.3	10:33	+12:43	68	5m	919
158	COMP			r		
159	ZM103334.6	10:33	+11:54	68	5m	960
160	COMP			r		
161	SNIPEE	13:17	+18:33	2	3m	8m clouds + moon. PA=12
162	COMP			r		stop.
163-67	HTUN	13:46	+05:06	76	10-20s	1200L; 1.1" slit
68	COMP			r		filter 16; lens = MLO
165-172	FLAT				1m	Torres Test
173	ZM120317.6	12:03	+20:38	68	8m	300L; 3" slit
174	COMP			r		
175	ZM120310.4	12:03	+16:27	68	1.5m	
176	COMP			r		

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
177	ZM121451.4	12:14	+73:59	68	5m	
178	WMP			r		
179	ZM121354.9	12:13	+71:45	68	5m	
180	WMP			r		
181	ZM121109.6	12:11	+18:30	68	5m	
182	WMP			r		
183	ZM120741.9	12:07	+12:02	68	6m	
184	WMP			r		
185	ZM121108.4	12:11	+14:20	68	4m	
186	WMP			r		
187	ZM121729.8	12:17	+21:20	68	5m	
188	WMP			r		
189	ZM120138.4	12:01	+14:29	68	7m	
190	WMP			r		
191	ZM12056A	12:01	+22:37	68	7m	
192	WMP			r		
193	ZM122153.2	12:21	+27:17	68	5m	
194	WMP			r		
195	ZM123048.4	12:30	+23:07	68	8m	
196	WMP			r		
197	ZM123352.7	12:33	+20:27	68	7m	
198	WMP			r		
199	MRK 279	13:51	+61:33	6	3m	
200	WMP			r		
201	N8548	14:15	+25:22	6	3m	
202	WMP			r		
203	SN1999cc	16:07	+37:58	2	15m	a few clouds @ dawn
204	WMP			r		
18706	ISD053204Z	15:50	+32:05	56	1m	
207	WMP			r		

206-217
 218-227
 228-237
 238-247
 248-257

BIAS
 FLAT
 BIAS
 FLAT
 DARK

05
 145
 05
 75
 20m