

Fax to: Susan Tokarz  
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60 inch Telescope Log  
 Observer: PBerland  
 PI: Ken  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 11/7/99  
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
16	DARK				15m	
7-20	BIAS				0s	lots of clouds
21-30	FLAT				7s	but clear to W!
31-40	BIAS				0s	
41-50	FLAT				14s	
51-55	SKY	Zenith		59	2s	
56	WMP			↑	5s	
57-59	HD192281	20:40	+40	56	5s	clouds
60				↑		
61-63	BD28421	21:	+28	56	45s	}
64	WMP			↑		
65	NY331	22:30	+30	59	3m	
66	WMP			↑		
67	XTEJ1858p22	18:58	+22	65	20m	
68	WMP			↑		}
69	a1196.071	0048	-033	64	6m	
70	WMP			↑		Blinds ↓
71	079	00:56	-008	64	10m	
72	WMP			↑		
73	SN1999el	20:37	+66:0	2	20m	clearing in North PA=-40
74	WMP			↑		
75	AKn567	27:42	+24:43	6	5m	
76	WMP			↑		
77	a1196-069	0040	-017	64	15m	cm
78	WMP			↑		
79	070	01:01	-051	64	10m	
80	WMP			↑		
81	076	00:58	-017	64	10m	
82	WMP			L		

60 inch Telescope Log

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 PI: Ann

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
83	all 96-075	01:01	-01:09	64	10m	
84	CMP			f		
85	074	01:03	-01:47	64	5m	
86	CMP			f		
87	073	01:03	-01:12	64	4m	
88	CMP			f		
89	072	01:03	-01:21	64	12m	
90	CMP			f		
91	Fairchild	23:17	-05:26	56	2m	PA-19
92	CMP			f		
93	021818p510	02:18	+57:10	83	12m	
94	CMP			f		
95	021849p5659	02:18	+56:59	83	7m	Int comp to E of *
96	CMP			f		body 2
97	021849p5715	02:18	+57:12	83	2m	
98	CMP			f		
99	021849p5716	02:18	+57:16	83	10m	
100	CMP			f		
101	021850p5702	02:18	+57:02	83	10m	
102	CMP			f		
103	021850p5703	02:18	+57:03	83	10m	S*
104	021850p5703	02:18	+57:03	83	10m	N* * to W
105	CMP			f		
106	021850p5711	02:18	+57:11	83	10m	
107	CMP			f		
108	021851p5716	02:18	+57:16	83	7m	
109	CMP			f		
110	021852p5705	02:18	+57:05	83	10m	
111	021853p5706	02:18	+57:06	83	10m	
112	CMP			f		

60 inch Telescope Log

Observer: JB  
 PI: Ann Scott

Spectrograph: FAST  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
113	021855p5702	02:18	+5702	83	15m	* close to W; bin by C
114	COMP			↑		* to E in slit
115	021852p5702	02:18	+5702	83	6m	but * in slit to W
116	COMP			↑		
117	021855p5701	02:18	+5701	83	12m	*'s to E
118	COMP			↑		
119	021855p5707	02:18	+5707	83	5m	
120	COMP			↑		
121	021855p5709	02:18	+5709	83	8m	but *'s nearby
122	COMP			↑		
123	SN 1999em	02:16	30:19	2	20m	PA=4
124	COMP			↑		
125	021856p5706	02:18	5706	83	8m	
126	COMP			↑		
127	021856p5709	02:18	+5709	83	8m	
128	COMP			↑		
129	021857p5702	02:18	5702	83	9m	
130	COMP			↑		
131	021857p5702	02:18	+5702	83	10m	*'s E-W
132	COMP			↑		
133	021857p5701	02:18	+5701	83	6m	
134	COMP			↑		
135	021857p5706	02:18	5706	83	5m	
136	COMP			↑		
137	021857p5706	02:18	+5706	83	8m	bin by Z
138	COMP			↑		
139	021858p57160	02:18	5716	83	10m	
140	COMP			↑		
141	SN 1999em	01:41	-0251	2	6m	PA=0
142	COMP			↑		

137 - <sup>very</sup> nearly star to E  
 (took W ~~com~~ star of the pair)

60 inch Telescope Log

Observer: PB  
 PI: Calvet/Krishner

Spectrograph: FAST

Grating: 3002

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Number	Object	R. A	Dec.	L/R	Exp	Comments
143	SN1999em, blue	04:41	-01:51	Z	6m	tilt=580 ↓ PA=0
144	COMP			↑		
145	HZ11, blue	04:41	+11:00	S6	6m	PA=10 ↓
146	COMP			↑		
1479	S32	04:37	-01:19	12	3m, 4s	tilt=610 ↓ PA=10
150	COMP			↑		
151	gV 501615208 S2	0543	-02:00	112	2m	PA=0 ↓
152	gV 501615208 NE	0543	-02:00	112	2m	
153	COMP			↑		ORSON'S DELT
154	45217	05:42	-02:06	112	3m	
155	COMP			↑		
156	45215	05:42	-01:42	112	3m	Li
157	COMP			↑		
158	45212	05:42	-01:59	112	3m	S7
159	COMP			↑		
160	45179	05:41	-01:40	112	3m	
161	COMP			↑		
162	45134	05:41	-01:47	112	6m	extended nebulosity
163	COMP			↑		
164	44981	05:41	-01:58	112	6m	
165	COMP			↑		
166	1661601	05:39	-01:20	112	7m	near Tauri
167	COMP			↑		
168	nb 46679	05:48	-01:59	112	2m	
169	COMP			↑		
170	47683	05:50	-01:55	112	5m	
171	COMP			↑		
172	48241	05:51	-01:51	112	4m	
173	COMP			↑		

60 inch Telescope Log

Observer: PS

PI: Rines

Spectrograph: FAST

Grating: 3002

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
174	Gilsonb. 48565	09:51	-01:55	112	7m	
175	WMP			f		
176	Hiltner 60	06:42	+02:11	56	45s	PA=8
178	WMP			f		
179	95766-039	07:25	+54:53	64	10m	cm PA=90 ↓
180	WMP			↑		
181	040	07:11	+55:53	69	6m	* to W
182	WMP			f		
183	041	07:15	+55:57	64	5m	* to E
184	WMP			f		
185	042	07:12	+54:47	64	5m	
186	WMP			f		
187	043	07:20	+56:50	64	5m	
188	WMP			f		
189	044	07:19	+54:50	64	4m	
190	WMP			f		
191	048	07:29	+56:43	64	8m	
192	WMP			f		
193	046	07:22	+56:53	64	4m	
194	WMP			f		
195	047	07:31	+57:09	64	9m	
196	WMP			f		
197	052	07:25	+57:05	64	4m	Sy
198	WMP			f		
199	053	07:30	+54:33	64	7m	
200	WMP			↑		
201	054	07:11	+56:02	64	41m	
202	WMP			↑		
203	056	07:13	+54:40	64	4m	
204	WMP			↑		

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
205	95766-OSS	07:20	+16:29	64	7m	
206	COMP			↑		
207	OS7	07:23	+16:39	64	6m	
208	COMP			↑		
209	OS8	07:31	+15:06	64	5m	
210	COMP			↑		
211	Obj	07:29	+16:40	64	5m	redo
212	COMP			↑		
2134	Faye34	10:36	+43:21	56	90s	PA=75
215	COMP			↑		
216219	HD52471	06:57	+27:13	57	5s	
219	COMP			↑		
220221	HD245710	05:25	+70	57	10s	
222	COMP			↑		clouds around
223225	HD39478	05:25	+70	57	10s	⊙ down
226	COMP			↑		
227226	BIAS				0s	
237-246	FLAT				7s	
247256	BIAS				0s	
257-266	FLAT				14s	
267276	FLAT blue				20s	+IT=50.0
277286	DARK				20m	