

60 inch Telescope Log
 Observer: P. Berlind
 PI: Andriy Krushner

Spectrograph: FAST
 Grating: 300R
 Date: 2/6/99

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-17	DARK				20m	
18-30	BSAS				0s	
31-40	FLAT					
41-50	BSAS					
51-60	FLAT					
61-65	sky			S7	2s	
66	COMP			↑	5s	
67-68	M32	00:31	+11:35	S7	30m	
69	COMP			↑		
70	225m 230	00:41	+11:05	S7	4m	
71	COMP			↑		
72	M43	00:03	+19:55	6	3m	
73	COMP			↑		
74	6m 6149.073	02:34	+01:10	S9	6m	
75	COMP			↑		
76	011	02:31	+02:36	S9	5m	
77	COMP			↑		
78	6m 6145.065	02:36	+01:47	S9	7m	
79	COMP			↑		
80	.066	02:36	+01:42	S9	7m	
81	COMP			↑		
82	.068	02:36	+01:06	S9	6m	
83	COMP			↑		thin clouds
84	.069	02:37	+01:19	S9	8m	
85	COMP			↑		
86	.072	02:37	+01:40	S9	7m	
87	COMP			↑		
88	SNR 665	01:37	+08:52	Z	20m	
89	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Andi & Mike & Scott & Muzerole

Spectrograph: FAST

Grating: 300R; 7" slit

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
90	Star 19.075	02:34	+01:15	59	6m	
91	COMP			↑		
92	.076	02:35	+01:27	59	6m	
93	COMP			↑		
94	.077	02:35	+01:38	59	5m	
95	COMP			↑		
96	.081	02:35	+01:01	59	8m	
97	COMP			↑		
98	.083	02:35	+01:29	59	8m	
99	COMP			↑		
100	.084	02:35	+01:34	59	6m	
101	COMP			↑		
102	.086	02:36	+01:33	59	10m	
103	COMP			↑		
104	.087	02:36	+01:47	59	7m	
105	COMP			↑		
106-108	BICan	04:19	+55:59	107	2, 20, 50	
109	COMP			↑		a few clouds
110	BICan	06:03	+27:41	100	6m	
111	COMP			↑		
112	Akn120	05:13	-12:12	6	3m	
113	COMP			↑		
114	GWOR	05:24	+11:23	82	1m	
115	COMP			↑		
116-7	GWOR	05:26	+11:49	82	30, 50	
118	COMP			↑		
119, 121	GWOR:	05:27	+11:11	82	5m, 30s	
120	COMP			↑		
122-3	V10440r:	05:31	-15:34	82	90, 15s	
124	COMP			↑		

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Observer: <u>PB</u>		Grating: <u>3002</u>		Date: <u>2/6/99</u>		
PI: <u>Muzellek</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
125-126	E201	05:31	-05:06	82	2m, 30s	
127	COMP			↑		
128-129	P2411	05:34	-04:27	82	30s, 1m	★ faint comp to S
130	COMP			↑		
131-2	V46601	05:30	-05:28	82	6m, 30s	
133	COMP			↑		
134-135	P1270	05:31	-05:59	82	5m, 30s	★ faint + low bin by 2
136				↑		
137, 138	Hiltner 600	06:42	+02:11	86	50s	
139	COMP			↑		
140, 142	ML3097, MS2304	06:38	+09:37	82	12m	PA-97 ^{ML3097 row 13} 2 stars.
141, 143	COMP			↑		extended H-alpha ^{MS2304 row 15}
144	MSA65	06:57	+09:53	82	20m	
145	COMP			↑		
146	MS2645	06:37	+09:33	82	15m	8-
147	COMP			↑		
148	MS1815	06:57	+09:44	82	12m	bin by 2 close pair? *
149	COMP			↑		
150	Pra 334	08:37	+17:54	82	30s	1
151	COMP			↑		
152	Pra 322	08:37	+19:29	82	40s	2
153	COMP			↑		
154	Pra 435	08:38	+19:55	82	90s	4
155	COMP			↑		
156	Pra 173	08:34	+19:52	82	2m	6
157	COMP			↑		
158	Pra 342	08:37	+19:47	82	3m	8
159	COMP			↑		
160	Pra 196	08:34	+19:46	82	4m	11
161	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>6949</u>	
Observer: <u>PTS</u>			Grating: <u>3002</u>			
PI: <u>Ken</u>			Date: <u>2/6/99</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
162	<u>Pm 306</u>	<u>08:26</u>	<u>+19:37</u>	<u>8L</u>	<u>7m</u>	
163	<u>WMP</u>			<u>r</u>		
164	<u>2576.279</u>	<u>07:38</u>	<u>+58:46</u>	<u>64</u>	<u>6m</u>	<u>* to W</u>
165	<u>WMP</u>			<u>r</u>		
166	<u>.280</u>	<u>07:28</u>	<u>+56:48</u>	<u>64</u>	<u>6m</u>	<u>gal to E</u>
167	<u>WMP</u>			<u>r</u>		
168	<u>.281</u>	<u>07:41</u>	<u>+55:25</u>	<u>64</u>	<u>6m</u>	<u>* to W</u>
169	<u>WMP</u>			<u>r</u>		
170	<u>.282</u>	<u>07:45</u>	<u>+56:16</u>	<u>64</u>	<u>6m</u>	
171	<u>WMP</u>			<u>r</u>		
172	<u>.283</u>	<u>07:27</u>	<u>+56:08</u>	<u>64</u>	<u>6m</u>	
173	<u>WMP</u>			<u>r</u>		<u>Seems worse</u>
174	<u>.285</u>	<u>07:29</u>	<u>+56:58</u>	<u>64</u>	<u>5m</u>	
175	<u>WMP</u>			<u>r</u>		
176	<u>.287</u>	<u>07:02</u>	<u>+54:36</u>	<u>64</u>	<u>7m</u>	
177	<u>WMP</u>			<u>r</u>		
178	<u>.289</u>	<u>06:57</u>	<u>+54:16</u>	<u>64</u>	<u>6m</u>	
179	<u>WMP</u>			<u>r</u>		
180	<u>.292</u>	<u>07:08</u>	<u>+55:02</u>	<u>64</u>	<u>6m</u>	
181	<u>WMP</u>			<u>r</u>		
182	<u>.294</u>	<u>07:16</u>	<u>+54:15</u>	<u>64</u>	<u>8m</u>	
183	<u>WMP</u>			<u>r</u>		
184	<u>.295</u>	<u>07:22</u>	<u>+54:27</u>	<u>64</u>	<u>6m</u>	
185	<u>WMP</u>			<u>r</u>		
186	<u>.293</u>	<u>07:38</u>	<u>+55:38</u>	<u>64</u>	<u>6m</u>	
187	<u>WMP</u>			<u>r</u>		
188	<u>.223</u>	<u>07:49</u>	<u>+55:25</u>	<u>64</u>	<u>11m</u>	<u>redo from 1/20/99 (#107)</u>
189	<u>WMP</u>			<u>r</u>		
190	<u>.256</u>	<u>07:41</u>	<u>+55:39</u>	<u>64</u>	<u>6m</u>	
191	<u>WMP</u>			<u>r</u>		

60 inch Telescope Log,

Spectrograph: FAST

Observer: PB

Grating: 300R

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PI: Ken & Dan & Kirshner

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
192	a 576.288	07:40	+56:44	64	7m	to W
193	COMP			↑		
194	.259	07:39	+57:46	64	6m	
195	COMP			↑		
196	.290	07:34	+57:27	64	6m	
197	COMP			↑		
198	.278	07:30	+57:30	64	7m	
199	COMP			↑		
200	.300	07:34	+57:43	64	6m	
201	COMP			↑		
202	SN1999X	08:54	+36:30	2	20m	
203	COMP			↑		
204	Fery 34	10:36	+47	56	90s	
205	COMP			↑		
206	MRK421	11:01	+38	6	4m	
207	COMP			↑		
208	MKW2.067	10:27	-07:46	35	8m	
209	COMP			↑		
210	.094	10:30	-07:05	35	8m	
211	COMP			↑		
212	.084	10:29	-07:00	35	7m	
213	COMP			↑		
214	.088	10:29	-07:33	35	7m	
215	COMP			↑		
216	.061	10:29	-07:36	35	12m	
217	COMP			↑		
218, 219, 220	SN1998S	11:46	+47:28	2	20m	x3
219, 220, 221	COMP			↑		
224	H244	13:21	-12	56	2m	
225	COMP			↑		

60 inch Telescope Log

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PI: Boston

Date: 2/6/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
226-8	HTVr	13:46	+105:06	101	3s	
229				f		
230	SNR99E	13:17	+18:73	2	20m	bright sky
231	COMP			f		
232	noqa 443	15:35	+43:79	73	5m	
233	COMP			f		
234	444	15:36	+43:70	73	12m	
235	COMP			f		
236	447	15:36	+26:13	73	12m	
237	COMP			f		
238	449	15:40	+74:20	73	9m	
239	COMP			f		
240	MRK501	16:53	+59:45	6	5m	
241	COMP			f		
242	NSS48	14:13	+75:22	6	3m	
243	COMP			f		
244	MRK209	13:51	+64:33	6	3m	
245	COMP			f		clear & dark!
246	MR653	12:58	+21:28	57	4m	~
247	COMP			f		
268-259	BIAS				0s	
258-267	FLAT				6s	
268-277	BIAS				0s	
278-287	FLAT				12s	