

Fast to Susan Karz
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★ Start of FAST Run★

60 inch Telescope Log
 Observer: P. Berland
 PI: Kirshner & Geller
 Spectrograph: FAST
 Grating: 30R
 Date: 5/15/98
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-5	BIAS					a few problems w/ motors; but all is OK now.
6	COMP					
7-11	DARK				15m	30 cents lost 400 pixels
12-16	DARK				15m	bm by 2
17-26	BIAS				0s	
27-36	FLAT				6s	
37-46	BIAS				0s	bm by 2
47-56	FLAT				12s	bm by 2
57-61	sky	Zenith		S7	2s	7:30
62	COMP			↑	5s	
63-64	Feige 34	10:36	+43:21	56	90s	bright sky 8:10pm
65	COMP			↑		
66	N4151	12:06	+39:41	6	30s	clear
67	COMP			↑		
68	N4051	12:40	+44:48	6	2m	
69	COMP			↑		
70	N4258	12:16	+47:34	6	2m	
71	COMP			↑		
72	MRX421	11:01	+36:26	6	4m	
73	COMP			↑		
74-76	SN1998bu	10:36	+11:50	2	5m	wow! M96 Ia
77	COMP			↑		H ₀ =?
78	SN1998S	11:46	+47:28	2	10m	wow
79	COMP			↑		
80	SN1998ag	11:56	+55:07	2	10m	wow
81	COMP			↑		
82	a1367-69.4259	12:03	+17:32	64	20m	redo from 5/2/98 30 cents → em! pix 2351 et al
83	COMP			↑		
84	.51.2273	11:21	+17:30	64	20m	redo from 4/28
85	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Gretchen K. Kishner & Andrew Ken

Spectrograph: FAST

Grating: 300R

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Date: 5/15/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
86	a1367.51.2344	11:25	+16:44	64	10m	redo from 4/28/98
87	WMP			↑		
88	a1367.3175	11:40	+17:48	64	12m	redo from 3/1/98 2/28
89	WMP			↑		
90	SN 1998ab	12:48	+11:55	2	20m	faint
91	WMP			↑		
92-93	H214	13:21	+36:23	56	2m	
94	WMP			↑		
95	12349 p0501	12:34	+05:01	5	20m	faint for Norm wkem
96	WMP			↑		
97	SN 1998 S172	13:29	+17:02	2	20m	SN
98	WMP			↑		moon's up
99	N4853	12:58	+07:25	56	4m	
100	WMP			↑		
101	N5548	14:15	+25:22	6	3m	
102	WMP			↑		
103	MRK 279	13:51	+64:53	6	3m	
104	WMP			↑		
105	SBS 1425	14:15	+10:39	6	10m	
106	WMP			↑		
107	NG 5307.107	14:45	+13:43	59	12m	redo from 4/17/98 em
108	WMP			↑		
109	3M.124	14:47	+15:39	59	15m	in sup* bmb, 2
110	WMP			↑		all gal looks ok!
111	E 11310	16:22	+58:35	64	5m	
112	WMP			↑		
113	E 11470	16:23	+58:35	64	3m	
114	WMP			↑		
115	E 13211	16:29	+58:25	64	5m	
116	WMP			↑		

60 inch Telescope Log

Observer: PD

PI: Ken

Spectrograph: FAST

Grating: 3WR

Date: 5/15/98

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
117	E164529	16:18	+41:28	64	4m	
118	OMP			↑		
119	E164561	16:18	+41:25	64	4m	
120	OMP			↑		
121	E165212	16:20	+41:28	64	5m	
122	OMP			↑		
123	E180598	16:18	+38:18	64	3m	
124	OMP			↑		
125	E18243	16:18	+38:17	64	8m	
126	OMP			↑		
127	E183820	16:19	+40:58	64	3m	
128	OMP			↑		
129	E183929	16:19	+41:05	64	4m	agg. Sy 2
130	OMP			↑		
131	E192978	16:19	+40:52	64	7m	
132	OMP			↑		
133	E192992	16:19	+40:52	64	3m	
134	OMP			↑		
135	E202537	16:18	+40:33	64	5m	
136	OMP			↑		
137	E211352	16:19	+40:30	64	4m	
138	OMP			↑		
139	E211010	16:19	+40:31	64	15m	fast - good em! p12 236 etc!
140	OMP			↑		
141	E230590	16:19	+37:58	64	4m	* to W bin by 2
142	OMP			↑		
143	E231176	16:20	+39:57	64	4m	
144	OMP			↑		
145	E252858	16:18	+41:29	64	4m	
146	OMP			↑		

60 inch Telescope Log
 Observer: PB
 PI: Ken
 Spectrograph: EAST
 Grating: 3wL
 Date: 5/15/98
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
147	E 25706	16:19	+38:05	64	4m	
148	COMP			↑		
149	E 259068	16:18	+39:20	64	2m	
150	COMP			↑		
151	E 26136	16:21	+38:09	64	4m	just one galaxy
152	COMP			↑		
153	E 26239	16:21	+38:02	64	5m	
154	COMP			↑		
155	E 26785	16:22	+37:59	64	8m	to E wk; wkem
156	COMP			↑		
157	E 26544	16:22	+38:02	64	5m	
158	COMP			↑		
159	E 26593	16:22	+38:09	64	4m	
160	COMP			↑		
161	E 27102	16:30	+41:29	64	4m	clouds in S+W
162	COMP			↑		
163	E 28757	16:31	+41:29	64	4m	
164	COMP			↑		
165	E 289764	16:20	+41:12	64	10m	bad file? ^{yes} reds ^{yes} _{→ ccd not read out}
166	COMP			↑		
167	SN1998bp	17:54	+18	2	15m	bright sky
168	COMP			↑	14m	stop - cloudy
169	NG 2981	16:04	+28:09	75	5m	clouds moving in
170	COMP			↑		
171	ZW 2687	16:06	+30:05	75	5m	nice just here
172	COMP			↑		
173	ZW 1745	16:06	+27:51	75	7m	all clouds red
174	COMP			↑		

cannot reach file 165

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>6257</u>	
Observer: <u>PB</u>			Grating: <u>3WL</u>		Date: <u>5/15/98</u>	
PI: <u>Paul Green</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
175	Star 1	22.08	+45.31	79	3m	SE+ heavy clouds
176	Star 2	22.08	+45.31	79	5m	NW+
177	Wmp			1		* stopped by clouds * ☉ twilight 18°
178-187	IBAS				0s	
188-197	FLAT				6s	
198-207	IBAS				0s	only 2
208-217	FLAT				12s	"