

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>3983</u>	
Observer: <u>T. Hearty</u>		Grating: <u>600 /pm</u>				Date: <u>10/01/95</u>	
PI: <u>J. Stauffer</u>							
Number	Object	R.A.	Dec.	L/R	Exp	Comments	
1-10	BIAS					Clear	
11-20	FLAT				8s		
21	55m10a (10mag)	22:51:59.8	23:15:32		60s	its got a fainter companion to the SE.	
22	COMP				10s		
23	55m10b	22:51:59.8	23:15:32		600s		
24	COMP				10s		
25	55m10b	22:51:59.8			600s		
26	COMP				10s		
27	G 318	23:37:38.5	48:24:12.6		60s	throw out the spectrum ^{maybe}	
28	COMP				10s		
29	G 318	23:37:38.5	48:24:12.6		120s		
30	COMP				10s		
31	55m148a	23:07:01.2	16:32:45.3		180s		
32	COMP				10s		
33	55m204a	23:12:29	17:09:45		120s	Weak Hd	
34	COMP				10s		
35	55m224a	23:14:07.3	16:33:15.2		30s		
36	55m224b	23:14:07.3	16:33:15.2		1000s		
37	COMP				10s		
38	55m224a	23:14:07.3	16:33:15.2		30s		
39	COMP				10s		
40	55m216a	23:13:49	21:17:59		1200s	the mag also be on the slit ^{maybe}	
41	COMP				10s		
42	55m219	23:13:02	23:45:40		30s		
43	COMP				10s		
44	55m182a	23:10:37.3	20:55:34		30s		
45	COMP				10s		
46	55m165				15s		
47	COMP				10s		
48	55m1	22:50:28.7	14:31:45.1		60s		

60 inch Telescope Log

Observer: T. Heorng
 PI: J. Stauffer

Spectrograph: FAST

Grating: 600 l/mm

Page: 2984

Date: 10/01/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
49	COMP				10s	
50	55h 4	22:50:50.5	15:28:13.0		180s	Another star is on the slit which is in the center
51	COMP				10s	
52	55h17a	22:52:19.6	15:19:41		180s	also another fainter star is on the slit
53	COMP				10s	
54	55m 37a	22:54:53	24:14:52		600s	H α
55	COMP				10s	
56	55m18a	22:52:51	13:30:52		30s	
57	COMP				10s	
58	55m18b	22:52:51	17:30:52		900s	spectrum is not good
59	COMP				10s	
60	55m18c	22:52:51	17:30:52		900s	the secondary lens sliding the slit.
61	COMP				10s	
62	55m27a	22:54:07.7	16:06:59.3		660	
63	COMP				10s	
64	55m 34a	22:54:36.4	20:20:00.0		10s	its actually 2 stars ^e A
65	COMP				10s	
66	55m 34a	22:54:36.4	20:20:00		30s	this is the real a
67	COMP				10s	
68	55m 34b	22:54:36.4	20:20:00		30s	this is the real b
69	COMP				10s	
70	55m 40a	22:55:56	17:25:41		600s	H α
71	COMP				10s	
72	55m 47a	22:56:35.1	16:33:32		10s	
73	COMP				10s	
74	55m 50a	22:56:57	23:30:47		600s	H α
75	COMP				10s	
76	55m 53a	22:57:11.8	21:25:29		1000s	500 cuts QSO
77	COMP				10s	
78	55m 54	22:57:21.2	21:06:38		900s	

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>T. Henry</u>		Grating: <u>600 l/mm</u>		Page: <u>3985</u>		
PI: <u>J. Stauffer</u>		Date: <u>10/01/95</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
79	COMP				10s	
80	55m 72a	22:59:40.8	21:54:11		60s	
81	COMP				10s	
82	55m 79a	23:00:13.5	15:25:44		60s	
83	COMP				10s	
84	55m 82a	23:00:18.5	18:36:42		60s	
85	COMP				10s	
86	55m 85a	23:01:14	20:43:42		60s	
87	COMP				10s	
88	55m 86	23:01:12.9	19:40:25		180s	
89	COMP				10s	
90	55m 87a	23:01:23.6	20:33:17		240s	~500 counts have sig a fainter component.
91	COMP				10s	
92	55m 87a	23:01:23.6	20:33:17		240s	
93	COMP				10s	
94	55m 88	23:01:42	23:40:25		90s	
95	COMP				10s	
96	55m 93	23:02:23.7	18:20:17.2		180s	2 peaks because it moved along slit
97	COMP				10s	
98	55m 93	23:02:23.7	18:20:17.2		180s	
99	COMP				10s	
100	55m 76a	22:59:59.2	17:57:13		300	Seeing getting poor
101	COMP				10s	The wind kids picked up.
102	55m 77a	23:00:03	15:26:19		120s	
103	COMP				10s	
104	55m 77b	23:00:03	15:26:19		180s	
105	COMP				10s	
106	55m 92a	23:02:45	13:57:22		180s	~500 counts
107	COMP				10s	
108	7m 17	2:14:21	+17:04:41		120s	

60 inch Telescope Log

Observer: T. HeartyPI: J. StaufferSpectrograph: FASTGrating: 600 l/mmPage: 3986Date: 10/01/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
109	COMP				10s	
110	7m17	2:14:21	+17:04:41		180s	
111	COMP				10s	
112	NTISKI	4:27:11	+17:50:44		120s	
113	COMP				10s	
114	T Tau	4:21:59	+19:32:07		60s	
115	COMP				10s	
116	16m1a	3:13:16	11:33:37		30s	
117	COMP				10s	
118	16m1a	3:13:16	11:33:37		60s	
119	COMP				10s	
120	16m1a	3:13:16	11:33:37		30	
121	COMP				10s	
122	16m2a	3:14:46.6	11:27:31.6		180s	
123	COMP				10s	
122	16m2a	3:14:46.8	11:27:31.6		180s	
123	COMP				10s	
124	16m2a	3:14:46.8	11:27:31.6		180s	
125	COMP				10s	
126	16m3	3:16:08.5	11:22:36		200s	Its a binary but I
127	COMP				10s	cannot separate it
128	16m3	3:16:08.5	11:22:36		240s	conjecture.
129	COMP				10s	
130	16m4a	3:16:28.6	10:54:30		660s	
131	COMP				10s	
132	16m4b	3:16:28.6	10:54:30		660s	
133	COMP				10s	
134	16m6a	3:16:54	10:43:27		660s	
135	COMP				10s	
136	16m8				60s	

60 inch Telescope Log

Observer: T. HartyPI: J. StaufferSpectrograph: FASTGrating: 600 l/mmPage: 3986Date: 10/01/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
137	COMP				10s	
138	RKN1	237:28.2	-29:58:57		660s	NA
139	COMP				10s	
140	RKN4	2:36:28	-29:42:51		200s	NA
141	COMP				10s	
142	RKN4	2:36:28	-29:42:51		180s	NA
143	COMP				10s	
144	RKN7	2:38:20	-29:32:49		240s	
145	COMP				10s	
146	RKN7	2:38:20	-29:32:49		240s	
147	COMP				10s	
148	RKN8	2:38:36	-29:08:13		180s	
149	COMP				10s	
150	18m 8	4:03:55	0:23:37		60	
151	COMP				10s	
152	18m 5	4:02:35	-0:16:25		5s	
153	18m 5	4:02:35	-0:16:25		3s	
154	COMP				10s	
155	18m 1	4:01:00.2	0:22:57.2		200s	
156	COMP				10s	
157	18m 3a	4:01:22.8	1:06:53.3		900s	
158	COMP				10s	
159	G 270	7:19:29	+32:50:13		30s	
160	COMP				10s	
161	NTTSK7	4:32:09.3	+17:57:23		60s	
162	COMP				10s	
163-172	FLAT				8s	
172-181	BIAS					

7 p

60 inch Telescope Log

Observer: T. HeartyPI: J. StaufferSpectrograph: FASTGrating: 600 l/mmPage: 3987Date: 10/2/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS				—	Clear + Windy
11-20	FLAT					Bin by 2
21	BD253941	19:42:21.9	26:06:00.0		120s	1950 Coords
22	COMP				10s	
23	55m57a	22:57:43.9	+20:30:18.3		660s	2000 Coords ↓
24	COMP				10s	
25	55m55a	22:57:34	24:13:44		660s	
26	COMP				10s	
27	G318	23:37:48.5	48:24:13		120s	
28	COMP				10s	
29	55m57a	22:57:43.9	+20:30:13		300s	
30	COMP				10s	
31	55m57a	22:57:43.9	+20:30:13		300s	
32	COMP				10s	
33	55m55b	22:57:34	24:13:44		600s	another brighten spot on the slit. This is in the center
34	COMP				10s	
35	55m55a	22:57:34	24:13:44		300s	
36	COMP				10s	
37	55m55b	22:57:34	24:13:44		600s	
38	COMP				10s	
39	55m74a	22:59:52	20:59:02.5		90s	
40	COMP				10s	
41	55m74b	22:59:52	+20:59:03		600s	
42	COMP				10s	
43	55m44a	22:56:17.4	20:52:53		60s	(A) Na + Li
44	COMP				10s	
45	55m44b	22:56:17.4	20:52:53		120s	
46	COMP				10s	
47	55m44a	22:56:17.4	20:52:53		120	
48	COMP				10s	

60 inch Telescope Log

Observer: T. Hearty

PI: J. Stauffer

Spectrograph: FAST

Grating: 600 lpm

Date: 10/02/95

Page: 3988

Number	Object	R.A.	Dec.	L/R	Exp	Comments
49	55m 44a	22:56:17.4	20:52:52		60s	
50	COMP				10s	
51	55m 44b	22:56:17.4	20:52:52		180s	
52	COMP				10s	
53	55m 44b	22:56:17.4	20:52:52		180s	
54	COMP				10s	
55	55m 44a	22:56:17.4	20:52:52		180s	
56	COMP				10s	
57	PB 55m 2a	23:01:05.7	16:17:27		600s	
58	COMP				10s	
59	PB 55m 2a	23:01:05.7	16:17:27		900s	+ Drifted along the slit
60	COMP				10s	
61	PB 55m 2b	23:01:05.7	16:17:27		180s	
62	COMP				10s	
63	PB 55m 3a	23:01:43.4	16:10:26		900s	
64	COMP				10s	
65	PB 55m 4a	23:01:47	16:15:36		180s	
66	COMP				10s	
67	PB 55m 11c	23:03:38.1	15:22:40.6		900s	
68	COMP				10s	
69	PB 55m 11b	23:03:38.1	15:22:40.6		600s	
70	COMP				10s	
71	PB 55m 11c	23:03:38.1	15:22:40.6		600s	
72	COMP				10s	
73	PB 55m 3a	23:01:43.4	16:10:26		600s	
74	COMP					
75	55m 228a	23:14:38	20:48:37		60s	
76	COMP				10s	
77	55m 229a	23:14:46.3	24:28:48		180s	
78	COMP				10s	

60 inch Telescope Log

Spectrograph: FASTObserver: T. HeartyGrating: 600 l/mmPage: 3989PI: J. StaufferDate: 10/02/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
79	55m233	23:15:17	18:28:32		400s	
80	COMP				10s	
81	55m242	23:16:04	22:10:42		30s	
82	COMP				10s	
83	55m242	23:16:04	22:10:42		15s	
84	COMP				10s	
85	55m243	23:16:20	17:50:56		15s	
86	COMP				10s	
87	55m252a	23:16:59	18:51:58		120s	
88	COMP				10s	
89	55m257a	23:17:23.6	13:59:11		240	
90	COMP				10s	
91	55m259	23:17:28	19:36:57		90s	seems to have moved since 1950 Ha
92	COMP				10s	
93	55m267	23:18:08	24:05:39		90s	
94	COMP				10s	
95	55m269	23:18:17	20:35:24		180s	
96	COMP				10s	
97	55m272a	23:18:35	18:42:12		660s	
98	COMP				10s	
99	55m276a	23:19:32	19:16:57		180s	
100	COMP				10s	
101	55m289a	23:21:52	23:17:10		60	
102	COMP				10s	
103	55m289a	23:21:52	23:17:10		30	
104	COMP				10s	
105	55m289a	23:20:24	16:47:02		82s	
106	COMP				10s	
107	55m289a	23:20:24	16:47:02		60s	
108	COMP				10s	

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>3990</u>		
Observer: <u>T. Hearty</u>		Grating: <u>600 l/mm</u>		Date: <u>10/2/95</u>		
PI: <u>J. Stauffer</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
109	55m 284 a	23:20:24	16:47:02		30s	
110	COMP				10s	
111	55m 293 a	23:22:24	19:23:39		69s	
112	COMP				10s	
113	55m 293 b	23:22:24	19:23:39		180	
114	COMP				10s	
115	307 a	23:23:34	22:32:15		120s	
116	COMP				10s	
117	310 ab	23:24:19	22:51:07		30s	had one on test list B A
118	COMP				10s	A is in + contact
119	310 b	23:24:19	22:51:07		30s	
120	COMP				10s	
121	310 ab	23:24:19	22:51:07		30s	
122	COMP				10s	
123	RKH17a	2:38:34	-29:20:54		120s	if has a faint companion to the south west
124	COMP				10s	
125	RKH18 test	2:35:50	-29:12:36		75	southern binary companion
126	COMP				10s	
127	RKH18 test	2:35:50	-29:12:36		30s	Northern binary companion
128	COMP				10s	
129	RKH18 test	2:35:50	-29:12:36		60	southern one again
130	COMP				10s	
131	NTTSK1	4:27:10.6	+17:50:44		60s	
132	COMP				10s	
133	NTTSK7	4:32:09	+17:57:23		90s	has faint companion in the NE
134	COMP				10s	
135	7-17	2:14:21	13:04:41		60s	
136	COMP				10s	
137	7-17	2:14:21	13:04:41		60s	
138	COMP				10s	

60 inch Telescope Log

Observer: P. Berthod

PI: Wilkes & Geller

Spectrograph: FAST

Grating: 300, 600, 4, 3" slit

Page: 4031

Date: 10/26/95

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1	COMP				5s	Problems w/ sparky
2-11	BIAS				0s	+ sol7
12-21	FLAT				6s	reboot
22-26	SKY				20s	
27-31	HD 198458	20:49:50.71	+47:31:07	0	5s	clear skies!
32	COMP			↑	5s	
33,34	NT 7331	22:57:07	+54:04:43	0	3m	
35	COMP			↑		
36	3C 390.3	18:45:37	+79:45:07	6	2m	
37	COMP			↑		
38	PG 1708 p602	17:08:35	+60:13:52	0	2m	
39	COMP			↑		
40	MRK 509	20:41:26	+10:51:18	6	2m	
41	COMP			↑		
42	Fer 110	23:17:23.5	-05:26:22	0	1m	
43	COMP			↑		
44	S18-130867	21:39:58.88	+12:57:23	3	15m	wind picking up
45	COMP			↑		
46	S18-132155	21:45:32.4	+12:55:48	3	15m	H α e prx 2313 (7)
47	COMP			↑		finishes the plate
48	S18-134817	21:39:04.2	+13:03:16.9	3	10m	peculiar line velocities!!
49	COMP			↑		OIII - not = H α vel
50	S19-042653	22:16:06.54	+10:54:4.1	3	15m	OIII = 180; H α = 500??
51	COMP			↑		L \rightarrow H α
54,58	S19-049708	22:15:18.5	+11:06:51.7	3	15m	, 20m x2
55,59	COMP			↑		
56	S19-053795	22:05:05.86	+11:17:33.3	3	15m	these are all
57	COMP			↑		scruffy!
52	S19-049885	22:15:22.6	+11:05:37.3	3	15m	#1's out of sequence

60 inch Telescope Log

Observer: AB/D.K./DM

PI: Geller/Barton

Spectrograph: FAST

Grating: 300R

Date: 10/26/95

Page: 4032

Number	Object	R.A.	Dec.	L/R	Exp	Comments
53	comp			↑		
60	S21.025161	23:01:48.95	+10:51:38.3	3	10m	H α
61	comp			↑		
62	S21.025155	22:50:33.1	+10:53:21	3	20m	H α
63	comp			↑		
64	S21.025372	22:45:25.07	+10:52:31.7	3	20m	H α pix 2094!!
65	comp			↑		
66	S21.028100	22:45:41.8	+11:0:46.1	3	15m	Finally a decent spectra
67	comp			↑		
68	S21.028790	22:58:13.03	+11:02:26.5	3	15m	Strang lines!
69	comp			↑		
70	S21.032804	22:48:25.6	+11:14:33.8	3	15m	
71	comp			↑		
72	S21.041578	22:54:53.27	+11:40:05.6	3	15m	bright star to W on slit H α
73	comp			↑		1734
74	S21.041705	22:52:12.28	+11:40:56.7	3	10m	H α
75	comp			↑		
76	a194-gal034	01:26:35.95	-01:52:15.3	33	15m	
77	comp			↑		
78	a194-gal035	01:26:47	-01:34:18.7	33	15m	
79	comp			↑		
80	a194-gal036	01:26:52.15	-01:47:35	33	10m	H α
81	comp			↑		
82	a194-gal037	01:26:56	-01:55:46.7	33	3m	star
83	comp			↑		
84	a194-gal038	01:26:58.78	-01:47:21.3	33	12m	H α ← good one for expo but
85	comp			↑		
86	a194-gal039	01:27:06.62	-01:07:11.2	33	15m	very bright sky; markings +
87	comp			↑		hazy outside; still windy

72 auto extract (findall) failed to get correct object

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB/DK</u>			Grating: <u>3002</u>		Page: <u>4033</u>	
PI: <u>Bartholmew/Keenan/Kristman</u>			Date: <u>10/26/95</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
88	0194 ga 1040	01:27:12.08	-00:51:11.56	33	15m	H α + peculiar feature
89	COMP			↑		~6000Å
90	468.011423	01:47:48.58	+10:30:41	3	10m	
91	COMP			↑		
92	468.012132	01:45:56	+10:51:23	3	10m	
93	COMP			↑		
94	468.013899	01:47:23	+10:41:43	3	10m	H α
95	COMP			↑		
96	468.014926	01:44:33.55	+10:46:15.5	3	10m	H α
97	COMP			↑		
98	468.015505	01:47:49.8	+10:48:49	3	10m	
99	COMP			↑		
100	468.015550	01:46:18.3	+10:48:58.1	3	10m	
101	COMP			↑		
102,104	SN1995G	04:43:42	-05:15:10	2	30m	bin by 2
103,105	COMP			↑		
106	03220 p3035	03:25:09	+30:46:20.8	30	15m	bin by 4 ↓ w/ nebulae; H α
107	COMP			↑		
108	03439 p3233	03:43:56.5	+32:33:55	30	15m	quick; no H α
109	COMP			↑		
110	04250 p2656	04:28:09	+27:02:40	30	15m	
111	COMP			↑		
112	SN1993J	09:51:19	+69:15:25	2	25m	bin by 2 ↓
113	COMP			↑		
114	07053 p2958	07:05:19.8	+29:57:32	1	5m	" ↓
115	COMP			↑		
116	07062 p3304	07:06:12	+33:04:12	1	5m	Bin by 4 ↓
117	COMP			↑		
118	07081 p3114	07:08:07.8	+31:13:40	1	4m	
119	COMP			↑		

108 is a star??

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PB/DK</u>			Grating: <u>300R</u>		Page: <u>4035</u>	
PI: <u>Kenyon</u>			Date: <u>10/27/55</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BARS				0s	clear
11-20	FLAT				6s	clear
21-25	sky	zenith			7s	clear
26	COMP				5s	
27, 28	A17331	22:34:48	+34:07:13	0	3m	
29	COMP			↑		
30-33	HP 192281	20:10:46.8	+40:07:01	0	2s	
34	COMP			↑		
35-37	B0P284211	21:48:57.1	+28:37:48	0	30s	
38, 39	COMP			↑		
40, 41, 42	RSoph	17:47:31.6	-06:46:59	12	10s, 4s,	60s
43	COMP			↑		
44, 45, 46	YYHer	18:17:20	+20:58:12	12	5, 10, 90	
47	COMP			↑		
48, 49	V44Her	18:20:02.8	+23:25:48	12	2, 30s	
50	COMP			↑		
51, 52, 53	BFLyg	19:21:55	+29:34:30	12	2, 30, 60	
54	COMP			↑		
55, 56	CHCyg	19:23:14.2	+50:08:31	12	1, 10s	
57	COMP			↑		
58, 59	HMSge	19:39:41	+16:57:33	12	1s, 10s	
60	COMP			↑		
61, 62, 63	C2Cyg	19:48:21	+38:33:24	12	1s, 10s,	30s
64	COMP			↑		
65, 66, 67	V1016Cyg	19:55:26	+39:41:30	12	1-20	
68	COMP			↑		
69-72	PAVal	20:19:01.4	+11:24:43	12	1-30	
73	COMP			↑		
74, 75, 76	V1329Cyg	20:49:02.6	+35:23:37	12	3s, 15s, 30s	
77	COMP			↑		

555-9670

60 inch Telescope Log

Observer: PKS/DK/DM
 PI: Kempner/Greller

Spectrograph: FAST

Grating: 300R

Page: 4036

Date: 10/29/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
78	V1057 Cyg	20:07:06.2	+44:23:46	12	3m	
79	COMP			↑		
80, 81, 82	AG Cyg	21:48:31.2	+42:23:27	12	0.5, 1.5, 2.5	
83	COMP			↑		
84, 85, 86	Z And	23:31:15.3	+48:32:32	12	1.5, 1.5, 2.5	
87	COMP			↑		
98, 99, 100	Faye 110	23:17:23.5	-05:26:02	12/0	1m	
91	COMP			↑		
92, 93, 94, 95	RA Cyg	23:43:49.4	-15:17:04	12	0.5, 1.5, 6.5, 10.5	
96	COMP			↑		
97	V1515 Cyg	21:45:27	+47:18:01	12	15m	
98	COMP			↑		
99	S19.05213	22:02:16.27	+10:58:05.3	3	20m	
100	COMP			↑		
101	S19.054216	22:06:12.66	+11:14:35.2	3	20m	
102	COMP			↑		
103	S19.08110	22:18:58.82	+11:34:37.6	3	20m	
104	COMP			↑		
105, 107, 109	SN 1995ac	22:45:11	-8:45:12	2	30m	x3
106, 104, 110	COMP			↑		
111, 112	SD p284211	21:48:57.1	+28:37:48	2/0	30s	
113	COMP			↑		
114, 116	SN 1995ab	23:26:44.6	-04:57:49.9	2	30m	x2
115, 117	COMP			↑		
118	MRX335	01:03:45.1	+41:55:27	6	1m	Biny 4d
119	COMP			↑		
120	468.017481	01:50:39.7	+10:49:44.1	3	15m	Fla
121	COMP			↑		
122	468.017481	01:40:42.8	+10:57:20.9	3	15m	
123	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>PS/DK</u>				Grating: <u>300L</u>		Page: <u>4037</u>
PI: <u>Geller/Koranyi</u>				Date: <u>10/27/95</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
124	468.017569	01:40:33.6	+10:57:33	3	10m	
125	COMP			↑		
126	468.019063	01:46:51.27	+11:03:42	3	10m	
127	COMP			↑		
128	COMP	test		35	20s	12002g @ 4116 $\lambda_c = 5266 \text{ \AA}$
129	NGC 1129	02:54:27.5	+41:31:48	35	5m	3" slit
130	COMP			↑	20s	Slit Rot = 100°
131, 141	NGC 1129	"	"	35	30m	2-nucleus x2
132, 142	COMP			↑		
133, 135	NGC 1129	"	"	35	30m	3" Nino λ_{1100}
134, 136	COMP			↑		x2
137, 139	NGC 1129	"	"	35	30m	6" N of nuc x2
138, 140	COMP			↑		
143	COMP	test		-		300L; rot=90
144, 146	SN 1993J	09:51:19.3	+69:15:27	2	25m	baby 2L x2
145, 147	COMP			↑		thin clouds around
148	MRK 421	11:01:40	+36:28:43	6	2m	baby 4L
149	COMP			↑		
150, 151	Faye 34			0	30s	
152	COMP			↑		
153, 156	UUAw			12	15, 20, 10s	
155	COMP			↑		
157, 159	BSX Mon	07:22:54	-03:30:10	12	15, 5s, 60s	
160	COMP			↑		
161-163	HDS 0816	06:54:06	-23:51:56	0	1s	WR
164	COMP			↑		
165-168	H046202	06:29:31	+05:10:14	0	5s	6V
169				↑		
170-179	BIAS				0s	
180-189	FLAT				6s	

10/29/95

60 inch Telescope Log

Observer: P. BERGLIND / DK

PI: _____

Spectrograph: FASTGrating: 300-linePage: 4039Date: 10/28/95

Number	Object	R. A.	Dec.	L/R	Exp	Comments
10	BIAS				0s	
11-20	FLAT				6s	THIN CLOUDS...
21	SKY				2s	
22-26	SKY			0	3s	
27	COMP			↑	5s	
28-30	193722	20:18:20	+16:48:42	0	4s	
31	COMP			↑		
32-36	191765 N15	20:08:21	+36:01:40	0	4s	
37	COMP			↑		
38-40	191746	20:08:28	+28:17:07	0	8s	
41	COMP			↑		
42-44	191263	20:06:15	+10:34:43	0	4s	
45	COMP			↑		
46,47	N7331	22:34:46.5	+34:09:43	0	3m	
48	COMP			↑		
49,50	BDP284211	21:48:57.1	+28:37:48	0	4s	clouds!
51	COMP			↑		+moon
52,53	HD192281	20:10:46.8	+10:07:01	0	5s	
54	COMP			↑		
55	MRK505	20:41:24	+10:51:16	6	3m	Thick cirrus around
56	COMP			↑		
57	MRK335	00:03:45.1	+19:55:27	6	3m	
58	COMP			↑		
59	IC5146.016	21:47:45	+17:35:41	30	2m	
60	COMP			↑		
61	IC5146.051	21:47:26.7	+17:35:17	20	4m	
62	COMP			↑		
63	IC5146.050	21:46:55.3	+17:34:45	30	5m	
64	COMP			↑		
65	IC5146.048	21:47:52.3	+17:37:43	30	4m	increasing cloud

60 inch Telescope Log

Observer: PS/DK

PI: Kempny/Huchra

Spectrograph: FAST

Grating: 300R

Date: 10/28/95

Page: 4040

Number	Object	R.A.	Dec.	L/R	Exp	Comments
66	COMP			↑		
67	IC5146.047	21:47:20	47:37:51	30	3m	
68	COMP			↑		
69	IC5146.004	21:45:19.3	47:37:00	30	10m	
70	COMP			↑		
71	IC5146.029	21:47:21.8	47:36:41	30	10m	
72	COMP			↑		
73	IC5146.041	21:47:46.2	47:38:25	30	9m	Wrong object SATURATED! Wrong object in header file!
74	IC5146.030	21:47:35.3	47:37:16	30	15m	
75	COMP			↑		
76	IC5146.043	21:47:27.7	47:39:40	30	3m	
77	COMP			↑		
78	IC5146.044	21:45:19.2	47:37:16	30	2m	
79	COMP			↑		
80	IC5146.020	21:47:13.5	47:37:34	30	8m	
81	COMP			↑		
82	S21.022101	23:05:28.45	-10:41:33.6	3	20m	
83	COMP			↑		
84	S21.025541	22:49:46.9	-10:54:48	3	8m	stopped short by clouds
85	COMP			↑		
86, 88	4669.019	00:06:57.4	-07:12:11	1	10m	42 Hz
87, 89	COMP			↑		
90	4670.0675	00:07:50.1	-07:21:46	1	10m	
91	COMP			↑		clouds!
92	G71	01:03:15.5	+67:21:54	38	3m	
93	COMP			↑		
94, 98	G22B	00:32:14.9	+67:14:28	38	30s/1m	high proper motion
95, 97	G22B south			38	1m, 3m	
96, 99	COMP			↑		

60 inch Telescope Log

Observer: PB/DK

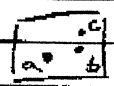
PI: Kenyon/Briceno

Spectrograph: FAST

Grating: 300 L

Date: 10/28/85

Page: 4041

Number	Object	R.A.	Dec.	L/R	Exp	Comments
100,101	G6SB	01:38:5	-17:57:16	38	30, 1m	clouds allow
102	COMP			↑		
103	03260p3111	03:26:07.7	+31:41:41	30	5m	nice nebula
104	COMP			↑		
105	03254p3050	03:25:27.9	+30:50:31	30	8m	
106	COMP			↑		
107	03262p3114	03:26:14.6	+31:41:29	30	4m	
108	COMP			↑		
109	03301p3111	03:30:07.8	+31:41:20	30	10m	tried for a few galaxies but Ha it's too cloudy!
110	COMP			↑		
111	03304+3100	03:30:24.7	31:00:44	30	10m	Ha
112	COMP			↑		
113	03339+3029	03:33:57.9	30:29:28	30	2m	
114	COMP			↑		
115	03367+3145	03:36:47.4	31:45:42	30	1m	
116	COMP			↑		
117	03378+3177	03:37:35.4	31:77:11	30	1m	Ha
118	COMP			↑		
119	03381+3145	03:38:15.0	31:45:11	30	2m	
120	COMP			↑		
121	03426+3214	03:42:39.2	32:14:51	30	2m	Ha
122	COMP			↑		
123	04151+2512	04:15:10.7	25:12:42	30	2m	
124	COMP			↑		
125	03398+3149a	3:39:50.6	31:49:13	30	2m	
126	COMP			↑		
127	03398+3149b	3:39:50.6	31:49:13	30	3m	Ha 
128	COMP			↑		
129	03398+3149c	3:39:50.6	31:49:13	30	4m	
130	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>PS/DK</u>				Grating: <u>300-LINE</u>		Page: <u>4042</u>
PI: <u>BRICENO</u>				Date: <u>10/28/95</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
131	p123L2	04:40:28.1	+30:16:49	38	10m	lots of clouds → file corrupted - redo
132	COMP			↑		
133	p123L8	04:39:42.1	+32:01:34	38	5m	
134	COMP			↑		
135	p123L2	04:40:28.1	+30:16:49	38	8m	
136	COMP			↑		
137	p1231m1	04:40:56.7	+30:18:57	38	7m	
138	COMP			↑		
139	p1231m3	04:39:15.9	+30:32:08	38	15m	
140	COMP			↑		
141	p1231m9	04:37:07.9	+28:13:50	38	15m	
142	COMP			↑		
143	p1228m7	04:42:05	+33:49:07	38	5m	
144	COMP			↑		
145	p1228mb	04:42:53.8	+36:06:52	38	15m	HR
146	COMP			↑		
147	p1314m15	04:43:20.3	+29:40:06	38	15m	DRIFTING CLOUDS... HR
148	COMP			↑		
149	p1314-4	04:51:42.4	+30:47:14	38	15m	LOTS of CLOUDS.
150	COMP			↑		
151	L1544B-6a	05:07:03.7	+24:37:02	38	14m	CLEARING?
152	COMP			↑		
153	L1544B-6b	05:07:12.1	+24:37:16	38	8m	
154	COMP			↑		
155	L1544B-9	05:01:49.0	+24:24:55	38	10m	CLOUDS DRIFTING...
156	COMP			↑		
157	p1314-14	04:47:16.2	+29:00:02	38	15m	HR?
158	COMP			↑		
159	03235+3004	03:23:33	30:04:59	30	15m	removed - Susan can you read this one?
160	COMP			↑		

No, I cannot read
the file - it is
LOST - REDU!

60 inch Telescope Log

Observer: D. KORANYI

PI: _____

Spectrograph: FAST

Grating: 300-LINE

Page: 4044

Date: 10/29/1995

NO COMP →

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	PATCHY, THIN HIGH CLOUDS.
11-20	FLAT			0	6s	
21-25	SKY			0	2s	
26	COMP			↑	5s	
27-31	NT531	22:34:46.9	+34:09:43	0	3h	INCREASING CLOUDS, (E MOON) → FADING IN FRONT, NOT A SINGLE GOOD EXPOSURE.
32	H γ 30418	4:45:32.6	+24:39:23	0	5s	
33	COMP			↑	5s	CLOUDS !! WAIT SEVERAL HOURS...
34-36	4037251	5:35:17.3	+26:11:48	0	3h	CLOUDS ON 4037 (IT'S NOW 2:30AM)
37	COMP			↑		
38	G 270	7:19:29.5	+32:50:06	38	3h	
39	COMP			↑		CLOUDY. CAN'T DO A THING.
40-49	BIAS				0s	
50-59	FLAT				6s	

1.15 sun
9.01 mi

60 inch Telescope Log

Observer: MORANYI

PI: _____

Spectrograph: FAST

Grating: 300-LINE

Page: 4046

Date: 10/21/95

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-20	BIAS				0s	CLOUDS ABOUT - WILL TRY FOR
11-20	FLAT				6s	SOMETHING ANYWAY. HINT FOR 60 IN.
21, 22	NG 331	22:34:46.9	31:09:43	0	3m	VERY CLEAR FOR NOW...
23	COMP			↑	5s	
24-26	NG 344	00:47:25.3	+30:00:21	0	4s	NOT SURE THIS IS REALLY IT...
27	COMP			↑		
28-30	FOG 116	23:17:23.5	-05:21:22	0	1m	
31	COMP			↑		
32-34	NG 19287	10:10:46.8	+40:07:01	0	2s	
35	COMP			↑		
36	NG 335	00:03:45.1	+19:55:22	6	1m	
37	COMP			↑		CLOUDS WILL PLAGUE HUMIDITY 75% & CLIMBING - CLOSE.
38-47	BIAS				0s	PROBLEM W/ TELESCOPE: IT IS
48-50	FLAT				6s	NOT HAVING REMOTE DRIVE BY BIAS UNSUCCESSFUL; STOPPING FOR THE NIGHT. IT'S CLOUDY AGAIN ANYWAY.

Jan 1. 10
Nov 8. 43