

To: Susan Tokarz  
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10 Inch Telescope Log,  
 Observer: N. Brown

Spectrograph: FAST  
 Grating: 300 L  
 Date: 4/1/2000

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PI# 114, 113, 59, 65, 64, 87

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS					binby4
11-20	FLAT					
21-30	BIAS					binby2
31-40	FLAT					
41-45	sky	E: 5m			2 sec	binby4 Heavy rain to S. Clouds moving in.
46	COMP			↑		
47, 48	Hiltner 600	6:42	2:11	56	60s	PA=25 steering W.
49	COMP			↑		
50	0446-212	4:46	-16:20	64	600	PA=90 sky not fully dark
51	COMP			↑		
52	0441-002	8:04	29:30	113	900	
53	COMP			↑		
54	cs 3051	8:54	28:54	114	480	nearby star to NE
55	COMP			↑		
56	XTE J1118.4-4802	11:18	48:02	65	600	PA=73
57	COMP			↑		
58	cs 3063	9:09	29:23	114	420	PA=90
59	COMP			↑		
60	cs 3067	9:13	29:04	114	360	
61	COMP			↑		
62	cs 3069	9:13	29:04	114	480	
63	COMP			↑		
64	nr gb 078-D35	10:13	+39:40	59	240	faint star to E
65	COMP			↑		
66	nr gb 076-036	10:13	+38:39	59	270	
67	COMP			↑		
68	092300p 11390.e	9:25	11:27	113	1200	
69	COMP			↑		
70	094036p 42420.c	9:44	+2:25	113	1200	
71	COMP			↑		

60 inch Telescope Log

Observer: N. Brown

PI:

Spectrograph: FAST

Grating: 300R

Date: 4/1/5000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
72, 73	Fcye 34	10-35	+43-21	56	90	PA=90 Clouds today, no obs. N+E; sea ahead
74	COMP			↑		
75	ngc 078-037	10-13	38-37	59	240	
76	COMP			↑		
77	ngc 078-038	10-13	38-42	59	480	will re-do...
78	COMP			↑		
79	ngc 078-039	10-13	38-37	59	420	obj. in center
80	COMP			↑		
81	ngc 078-040	10-13	38-50	59	330	
82	COMP			↑		
83	ngc 078-038	10-13	38-42	57	800	redo; first exp too short
84	COMP			↑		
85	XTEJ115-48	11-18	48-02	65	600	
86	COMP			↑		
87	CS 3144	11-11	28-45	114	1200	low surface brightness
88	COMP			↑		
89	CS 3213	11-58	29-11	114	1200	? OK em? redo low surface brightness
90	COMP			↑		
91	CS 971	12-11	29-10	114	480	
92	COMP			↑		
93	CS 981	12-13	29-33	114	600	circus coming through
94	COMP			↑		
95	CS 991	12-14	29-42	114	540	
96	COMP			↑		
97	CS 1057	12-28	29-33	114	720	obj. in center (star to W)
98	COMP			↑		clouds!
99	CS 1078	12-31	29-11	114	1000	low surface brightness
100	COMP			↑		obj. in center (star to E)
101	CS 1080	12-32	29-17	114	480	
102	COMP			↑		

60 inch Telescope Log

Observer: W. Bram

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 300L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
103	CS 1135	12:44	29:40	114	420	clear
104	COMP			↑		
105	CS 1136	12:45	29:45	114	450	
106	COMP			↑		
107	CS 1146	12:47	29:27	114	420	
108	COMP			↑		
109	CS 3326	13:06	29:03	114	480	obj. in center, gal. in E
110	COMP			↑		
111	CS 3304	12:57	28:58	114	330	
112	COMP			↑		
113	CS 3329	13:06	28:54	114	390	
114	COMP			↑		
115	CS 1301	13:09	29:13	114	510	
116	COMP			↑		
117	CS 1309	13:13	29:18	114	450	
118	COMP			↑		
119	CS 3345	13:24	28:46	114	480	obj. row 46 (star. com #1)
120	COMP			↑		
121	CS 3348	13:26	29:30	114	420	very close obj. - both gal?
122	COMP			↑		
123	CS 1109	12:37	29:12	114	360	
124	COMP			↑		
125	CS 3287	12:41	28:47	114	300	
126	COMP			↑		
127	CS 1126	12:43	29:38	114	420	
128	COMP			↑		
129	CS 3282	12:35	29:06	114	420	
130	COMP			↑		
131	CS 1128	12:43	29:28	114	420	
132	COMP			↑		

10 inch Telescope Log

Spectrograph: FAST

Observer: W. B. M.

Grating: 300R

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Pl:

Number	Object	R.A.	Dec.	LFB	Exp	Comments
133	cs 1129	12:43	29:37	114	480	
134	COMP			↑		
135	cs 1131	12:44	29:54	114	360	
136	COMP			↑		
137	cs 3288	12:42	29:52	114	600	
138	COMP			↑		
139	N 5846	12:03	+01:47	57	300	Vel. standard
140	COMP			↑		
141	XTE J1118.0-48	11:18	48:02	65	600	PA=77
142	COMP			↑		
143	135624 p 37422e	13:52	32:29	113	1200	PA=90 light clouds
144	COMP			↑		
145	162824 p 0411a. a	16:30	4:04	112	780	
146	COMP			↑		
147	142336 p 35311-d	14:24	35:14	113	1200	
148	COMP			↑		
149	p 57.0793	17:33	+57:03	87	30	PA=10 clouds
150	COMP			↑		
151	p 57.0835	18:03	+57:43	87	100	PA=10
152	COMP			↑		
153	p 57.0848	18:15	+57:05	87	200	PA=10
154	COMP			↑		
155-174	BIAS					bimby 4
175-174	FLAT				75	"
195-204	DARK				1200s	"

To: Susan Takaraz  
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30 inch Telescope Log  
Observer: W. Brown  
PI: #100, 2, 114, 113, 65, 59

Spectrograph: FAST  
Grating: 300 l  
Date: 4/0/2000  
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Number	Object	R.A.	Dec.	L/H	Exp	Comments
1-10	BIAS					binby 4
11-20	FLAT				7	
21-30	BIAS					binby 2
31-40	FLAT				14	
41-45	sky	6:55:30			2	binby 4 almost photometric
46, 47	Hiltner 600	6:45	+2:06	56	90, 60	PA=10 cirrus N. E.
48	COMP			↑		
49, 50	Hiltner 600	"	"	56	120	binby 2
51	COMP			↑		
52	XTEJ1118p48	11:18	48:03	65	600	binby 4 PA=84
53	COMP			↑		
54	BG Gem	6:03	27:41	100	60	binby 2 PA=78 bright star
55	"	"	"	"	720	PA=78 faint star
56	COMP			↑		
57	sm2000a	7:53	50:07	2	1200	binby 2 PA=-58
58	COMP			↑		
59	cs 3010	8:39	28:50	114	660	binby 4 PA=90
60	COMP			↑		
61	cs 3016	8:42	29:06	114	600	
62	COMP			↑		
63	cs 3017	8:42	29:39	116	600	
64	COMP			↑		
65	cs 3027	8:46	28:54	114	600	
66	COMP			↑		
67	cs 3030	8:47	29:31	114	600	
68	COMP			↑		
69	cs 3033	8:49	29:26	114	540	
70	COMP			↑		
71	XTEJ1118p03160	9:46	3:03	113	720	
72	COMP			↑		

10 inch Telescope log  
 Observer: N. BRAUN  
 Spectrograph: FAST  
 Grating: 300 L  
 Date: 4/2/2000  
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Number	Object	H A	Dec.	L/R	Exp	Comments
73	CS 3480 B3166	9:46	29:14	113	600	
74	COMP			↑		
75	CS 3079	9:22	29:14	114	540	
76	COMP			↑		
77	CS 3168	11:19	29:14	114	480	
78	COMP			↑		
79	CS 3180	11:39	28:56	114	510	
80	COMP			↑		
81	CS 899	11:58	29:33	114	570	
82	COMP			↑		
83	CS 3023	12:05	28:50	114	78.0	*?? nearby bright star to E
84	COMP			↑		
85	CS 1005	12:17	29:25	114	540	
86	COMP			↑		
87	CS 3251	12:19	29:21	114	540	
88	COMP			↑		
89	XTE J1108.4-2853	11:18	48:33	65	600	PA = -30
90	COMP			↑		
91	CS 3254	12:50	29:18	114	540	PA = 90
92	COMP			↑		
93	CS 1146	10:23	29:35	114	1200	low source brightness
94	COMP			↑		
95	CS 1081	12:32	29:24	114	540	
96	COMP			↑		
97	CS 1085	12:32	28:55	114	510	
98	COMP			↑		
99	CS 1090	12:33	29:42	114	480	
100	COMP			↑		
101	SN 2000P	13:07	28:14	2	600	bin by 2 PA = 1
102	COMP			↑		

8 inch Telescope Log

Observer: W. Brown

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 300 L

Date: 4/12/2000

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Number	Object	H A	Dec.	L/R	Exp	Comments
103	H244	13:12	36:23	56	240	binby 2 PA=90
104	COMP			↑		
105	H244	"	"	56	120	binby 4
106	COMP			↑		
107	SS26239.113	13:44	-07:03	59	570	obj. in center (chart w)
108	COMP			↑		
109	SS26239.114	13:45	-07:50	59	660	
110	COMP			↑		
111	SS26239.115	13:45	-7:19	59	270	
112	COMP			↑		
113	" 116	13:45	-7:58	59	360	
114	COMP			↑		
115	" 117	13:45	-7:26	59	420	
116	COMP			↑		
117	" 118	13:45	-7:54	59	390	
118	COMP			↑		
119	" 119	13:46	-6:44	59	390	
120	COMP			↑		
121	" 120	13:46	-7:08	59	390	
122	COMP			↑		
123	CS 1094	12:54	29:07	114	480	
124	COMP			↑		
125	CS 1108	12:35	29:10	114	420	
126	COMP			↑		
127	CS 1166	12:52	28:57	114	390	Excellent seeing
128	COMP			↑		
129	CS 1176	12:54	29:09	114	390	
130	COMP			↑		
131	CS 1269	13:05	29:35	114	480	actually horrible spectrum
132	COMP			↑		

10 inch Telescope Log  
 Observer: P. Berman  
 PI: \_\_\_\_\_  
 Spectrograph: FAST  
 Grating: 300 e  
 Date: 11/2/2000  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
133	N 5846	15:03	+01:47	57	300	vel. standard
134	COMP			↑		
135	CS 1370	13:21	29:00	114	450	
136	COMP			↑		
137	CS 1380	13:09	29:17	114	480	
138	COMP			↑		
139	CS 3340	13:16	27:20	114	540	obj. in center (star E)
140	COMP			↑		
141	CS 1375	13:29	28:52	114	450	
142	COMP			↑		
143	KTETHR <sub>p48</sub>	11:18	48:02	65	600	PA=76 clouds here
144	COMP			↑		
145	23654p28210-a	12:59	28:05	113	720	
146	COMP			↑		
147	23654p28210-b	12:59	28:04	113	1200	
148	COMP			↑		
149	141324p3670-a	14:15	36:13	113	600	
150	COMP			↑		
151	141324p3670-b	14:15	36:10	113	1200	
152	COMP			↑		
153	SHN 6240	11:52	+02:23	2	450	PA=30 binby 2 SN centered on dip <small>dist. not set in extraction</small>
154	COMP			↑		
155	CygOB2m9	20:33	41:15	56	40	PA=80 surprise
156	COMP			↑		
157	"	"	"	56	20	binby 4
158	COMP			↑		
159-168	BIAS					
169-178	FLAT				7	
179-188	BIAS					binby 2
189-198	FLAT				14	
199-208	DARK					1200 binby 4

To: Susan Tokarz  
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60 inch Telescope Log

Observer: W. Brown

PI # 65, 100, 113, 114, 59, 2

Spectrograph: EAST

Grating: 300R

Date: 4/3/2000

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Number	Object	R A	Dec.	L/R	Exp	Comments
1-10	BIAS					binky 2
11-20	FLAT				14	
21-30	BIAS					binky 4
31-40	FLAT				7	
41-45	sky					Dome painting problems
46, 47	Hiltner 600	6:45	2:06	56	45	PA=29
48	COMP			↑		
49, 50	"	"	"	56	90	" binky 2
51	COMP			↑		
52	XTEJ118.48	11:18	48:02	65	600	PA=83 binky 4
53	COMP			↑		
54	B6 Gem	6:03	27:41	100	60	PA=72 binky 2
55	"		"	"	720	
56	COMP			↑		
57	Megal-005	2:10	24:55	113	1000	PA=90 binky 4
58	COMP			↑		
59	CS 3040	8:54	29:40	114	660	
60	COMP			↑		
61	CS 3043	9:56	29:17	116	800	
62	COMP			↑		
63	CS 3022	9:21	29:41	114	510	
64	COMP			↑		
65	CS 3050	8:54	29:03	114	510	obj. in center (other)
66	COMP			↑		
67	CS 3078	9:30	29:38	116	450	
68	COMP			↑		
69	CS 3082	9:39	29:01	114	540	
70	COMP			↑		
71	CS 3176	11:36	29:37	116	570	
72	COMP			↑		

60 inch Telescope Log

Observer: W. Brown

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 300 l

Date: 4/3/2000

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Number	Object	R.A.	Dec.	L/H	Exp	Comments
73	CS 895	11:56	29:41	114	540	
74	COMP			↑		
75	CS 3212	11:58	29:40	114	570	
76	COMP			↑		
77	CS 3235	12:13	29:30	114	510	
78	COMP			↑		
79	CS 3240	12:13	29:36	114	480	
80	COMP			↑		
81	CS 3246	12:17	29:12	114	750	(nearly star se. W.)
82	COMP			↑		
83	XTE J118.48	11:18	28:02	65	600	PA=90 (not visible)
84	COMP			↑		
85	104924 p1005D-a	10:52	10:08	113	600	
86	COMP			↑		
87	" -b	10:52	10:08	113	1200	
88	COMP			↑		
89	" -c	10:51	10:05	113	1200	
90	COMP			↑		
91	CS 1059	12:27	29:13	114	750	
92	COMP			↑		
93	CS 3280	12:35	29:10	114	540	
94				↑		
95	CS 3286	12:41	28:52	114	600	
96				↑		
97	CS 3289	12:44	29:42	114	540	
98				↑		
99	CS 3297	12:47	28:53	114	570	
100				↑		
101	CS 1167	12:44	28:53	114	510	
102				↑		

30 inch Telescope Log

Observer: W. Brown

PI:

Spectrograph: FAST

Grating: 300 L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
103	cs 3300	12:53	29:21	114	480	
104	COMP			↑		
105	H244	13:21	36:23	56	120	PA=90 (at 20.5h)
106	COMP			↑		
107	H244			56	240	bmbly 2
108	COMP			↑		
109	SS26239.121	13:46	-6:48	59	720	bmbly 4
110	COMP			↑		
111	SS26239.122	13:46	-7:08	59	720	
112	COMP			↑		
113	SS26239.123	13:46	-7:56	59	510	
114	COMP			↑		
115	SS26239.124	13:46	-6:28	59	480	
116	COMP			↑		
117	SS26239.125	13:46	-7:50	59	510	
118	COMP			↑		
119	SS26239.126	13:46	-6:22	59	420	
120	COMP			↑		
121	N5846	15:03	-01:47	57	300	vel. standard
122	COMP			↑		
123	115500.25316.c	11:57	25:13	113	1200	obj. on center (at right - side of N)
124	COMP			↑		
125	115524.25320.c	11:58	25:05	113	1200	
126	COMP			↑		
127	XTE J1157.48	11:18	48:02	65	600	PA=82
128	COMP			↑		
129	140234.12576.i	14:04	23:43	113	1500	
130	COMP			↑		
131	141630.25100.c	14:19	24:56	113	1500	
132	COMP			↑		

60 inch Telescope Log

Observer: W. Brown

PI: \_\_\_\_\_

Spectrograph: FAST

Grating: 300 Å

Date: 4/3/2000

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Number	Object	R.A.	Dec.	L/F	Lap	Comments (Star was 52) obj. in center crossing meridian ( $\alpha = 1.14$ )
133	SN 2000bg	16:52	+02:23	2	1200	lmb by 2 PA = -45
134	COMP			↑		
135	141630p25102g	14:18	24:56	113	720	PA = -75 lmb by 4
136	COMP			↑		
137	BDp332642	15:51	32:56	56	90	PA = 86
138	COMP			↑		
139	"	"	"	56	180	lmb by 2
140	COMP			↑		
141-150	BIAS					
151-160	FLAT				14	
161-170	BIAS					lmb by 4
171-180	FLAT				7	
181-185	DARK				1200	
153	- cannot get SN					

8 inch Telescope Log

Observer: CALICIAS

PI: Ally, Kenyon, Geller

Spectrograph: FAST

Grating: 300L

Date: 4/9/00

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Number	Object	RA	Dec.	L/H	Lip	Comments
1-3	DARK				15m	
4-13	R-132				0s	
14-22	FLAT				6s	
24-33	DSAL				0s	
34-43	FLAT				12s	
44, 45	Feige 34	10 39	43 06	#56	90s	great seeing
46	comp			↑		
47, 48	Feige 34	10 39	43 06	#56	90s	
49	comp			↑		
50	NS377	10 47	13 59	#57	60s	
51	comp			↑		
52	NS377	10 47	13 59	#57	60s	
53	comp			↑		
54, 55	B Gem	6 07	27 41	#100	4/100	
56	comp			↑		
57, 58	DK Mon	7 25	-3 35	#12	5, 60s	
59	comp			↑		
60	094048... A	9 43	42 40	#113	17m	PA = 74°, major axis
61	comp			↑		
62, 63	094048... B	9 43	42 39	#113	15m	PA = 74°, major axis
64	comp			↑		
65, 66	094048... C	9 44	42 37	#113	20m	PA = 90
67	comp			↑		
68	094724... A	9 50	44 19	#113	15	PA = 110°, major axis
69	comp			↑		
70	094724... B	9 50	44 19	#113	20	
71	comp			↑		
72	094724... C	9 50	44 18	#113	15m	PA = 60°, major axis
73	comp			↑		
7-1	095424... A	9 57	45 13	#113	15m	PA = 269°, major axis

60 inch Telescope Log

Observer: CAULFIELD  
 PI: Geller, Kishner, Kuper

Spectrograph: FAST  
 Grating: 500L  
 Date: 4/4/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
75	comp			↑		
76, 77	095024...C	9 57	45 14	#113	15m	
78	comp			↑		
79	100112...A	10 04	22 16	#113	10m	
80	comp			↑		
81, 82	100112...B	10 03	59 79	#113	17m	
83	comp			↑		
84	121524...A	12 18	7 16	#113	9m	PA = 44°, major axis
85	comp			↑		Turns ext. P.C. Care
86	114913...A	11 51	46 49	#113	11m	plate flaws!
87	comp			↑		
88, 89	114913...B	11 52	46 49	#113	15m	
90	comp			↑		
91, 92	141630...B	14 18	24 54	#113	17m	
93	comp			↑		
94, 95	142355...E	14 24	35 11	#113	13m	PA = 25°, major axis
96	comp			↑		
97	153248...B	15 35	27 28	#113	17m	
98	comp			↑		
99, 100	162012...F	16 22	38 54	#113	20m	PA = 44°, major axis
101	comp			↑		
102	SN2000RG	16 53	2 24	#12	20m	PA = -45°, row 75
103	comp			↑		
104	BDP332642	15 52	32 56	#56	1m	PA = 94°
105	comp			↑		
106	BD2123873	14 16	-21 45	#12	5m	
107	comp			↑		
108-110	Hen 1241	17 08	-17 25	#12	10/30/90	
111	comp			↑		
112-114	M1m21	17 34	-19 09	#12	10/100/200	Row 75

60 Inch Telescope Log

Observer: CALX-SUS

PI: Kerbyon, All

Spectrograph: FAST

Grating: SOOL

Date: 4/4/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
115	comp			↑		
116, 117	L11 Ser	17 42	75 24	↑ 12	30/300	
118	comp			↑		
119, 120	R11 Ser	17 39	-11 56	↑ 12	10/100	Row 95
121	comp			↑		
122-124	XXoph	17 43	-6 16	↑ 12	1/5/10	
125	comp			↑		
126, 127	R50ph	17 50	-6 42	↑ 12	5/100	
128	comp			↑		
129-133	sky			↑ 57	225	
134	comp			↑		
135-144	BIAS				125	
145-154	FLAT				65	
155-164	BIAS				01	
165-174	FLAT				125	
175-184	DARK				15m	

50 inch Telescope Log

Observer: CALYNS

PI: All, Garcia, Magath

Spectrograph: FAST

Grating: 3006

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Date: 4/5/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	
41-50	FLAT				12s	
51-60	FLAT				14s	2" slit
61-65	sky			#57	7s	
66	comp			↑		
67, 68	Feig 34	10 39	43 06	#56	90s	
69	comp			↑		
70, 71	Feig 34	10 39	43 06	#56	90s	
72	comp			↑		
73	M3377	10 47	13 59	#57	60s	
74	comp			↑		
75	M3377	10 47	13 59	#57	10s	
76	comp			↑		
77	KTE J1118.08	11 18	48 02	#65	12m	UT = 03:10, PA = 74°
78	comp			↑		
79	Dp22-2026	8 52	22 00	#87	30s	2" slit
80	comp			↑	7s	
81	Dm00-2385	10 54	00 55	#87	30s	
82	comp			↑		
83	Dp23-1960	8 29	23 09	#87	15s	
84	comp			↑		
85	Dp23-1627	9 37	28 23	#87	20s	
86	comp			↑		
87	Dp19-2108	8 49	19 16	#87	110s	
88	comp			↑		
89	KU 236	8 40	19 34	#87	5m	
90	comp			↑		

50 inch Telescope Log

Observer: CALKINS

PI: Mosher, Garcia

Spectrograph: FAST

Grating: 300L

Page: 8102

Date: 4/5/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
91	Bp17-1931	9 46	17 05	#87	60s	
92	comp			↑		
93	Bsecand 20	8 48	19 03	#87	150s	
94	comp			↑		
95	XTE J1118p48	11 18	48 01	#87	10m	5" slit PA=55°
96	comp			↑		
97	Dp20-2086	8 26	20 31	#87	45s	2" slit
98	comp			↑		
99	Dp21-1799	8 15	21 17	#87	40s	
100	comp			↑		
101	Bp13-1772	7 49	13 22	#87	15s	
102	comp			↑		
103	Bp10-2292	11 29	9 22	#87	140s	
104	comp			↑		
105	BSD-215	11 57	-1 03	#87	150s	
106	comp			↑		
107	BSD-290	12 41	-00 55	#87	140s	
108	comp			↑		
109, 110	LAND. 237	12 42	-00 51	#87	15m	
111	comp			↑		
112	XTE J1118p48	11 18	48 01	#65	10m	PA=9°, 5" slit
113	comp			↑		
114	LAND. 460	12 43	-00 28	#65	9m	2" slit
115	comp			↑		
116	B+06-2601	12 22	5 29	#65	2m	
117	comp			↑		
118, 119	LAND. 443	12 42	-00 25	#65	17m	118 - cut out cosmic rays
120	comp			↑		
121	LAND. 239	12 42	-00 46	#65	20m	
122	comp			↑		

6' Inch Telescope Log,

Observer: CALVERTS

PI: Messier, Georgia, Brown

Spectrograph: FAST

Grating: 3006

Page: 8403

Date: 4/5/00

Number	Object	N A	Dec.	L/R	Exp	Comments
123	XTE J1118p48	11 18	48 02	#65	10m	3" slit, PA = -51
124	comp			↑		
125	BSD-277	13 36	-00 52	#87	160s	2" slit
126	comp			↑		
127	Bm 072682	13 43	-08 00	#87	35s	
128	comp			↑		
129	Bm 06 3876	12 43	-7 22	#87	35s	
130	comp			↑		
131	LAND. 239	12 42	-00 45	#87	20m	
132	comp			↑		
133	BSD 515	13 39	-00 08	#87	140s	
134	comp			↑		
135	B-7 3671	13 40	-8 38	#87	33s	
136	comp			↑		
137	SAO 119185	12 02	4 09	#87	311	
138	comp			↑		
139	R-11 3893	14 13	-11 50	#87	3.5s	
140	comp			↑		
141	CS 3122	10 20	29 24	#114	15m	3" slit
142	comp			↑		
143	CS 3130	10 41	29 23	#114	15m	
144	comp			↑		
145	XTE J1118p48	11 18	48 02	#65	10m	PA = 97°
146	comp			↑		
147	CS 3139	11 03	29 08	#114	12m	PA = 100 to isolate
148	comp			↑		
149	CS 3155	10 57	29 40	#114	15m	
150	comp			↑		
151	CS 3153	11 16	28 18	#114	12m	
152	comp			↑		

Inch Telescope Log

Observer: CALKINS

PI: Brown, Garcia, Meszath

Spectrograph: FAST

Grating: 3006

Page: 8404

Date: 4/5/00

Number	Object	R.A.	Dec.	L/H	Exp	Comments
153	cs 736	11 17	28 46	" 114	12m	
154	comp			↑		
155	XTE J1182p48	11 18	48 09	" 65	10m	PA = 12
156	comp			↑		
157	cs 3154	11 16	29 39	" 114	12m	
158	comp			↑		
159	cs 3152	11 17	29 26	" 114	15m	
160	comp			↑		
161	cs 3177	11 38	29 35	" 114	17m	
162	comp			↑		
163	XTE J1182p48	11 18	48 04	" 65	10m	PA = 90°, UT = 11:30
164	comp			↑		
165	B+60 1754	17 25	60 02	" 87	1s	2" s
166	comp			↑		
167	HD 159330	17 30	57 52	" 87	3s	
168	comp			↑		
169	HD 154391	17 01	60 38	" 87	3s	
170	comp			↑		
171	HD 143187	15 55	58 54	" 87	3s	
172	comp			↑		
173	HD 163466	17 52	60 23	" 87	7s	
174	comp			↑		
175	HD 158460	17 25	60 02	" 87	6.2s	
176	comp			↑		
177	HD 158485	17 26	58 39	" 87	8s	
178	comp			↑		
179	B+p 75 686	18 46	75 25	" 87	1.5s	
180	comp			↑		
181	SAD 017946	18 36	65 03	" 87	25s	
182	comp			↑		

Inch Telescope Log  
 Observer: CALLEN  
 PI: Megeath, All

Spectrograph: FAST  
 Grating: 300L  
 Date: 4/5/00

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Number	Object	R.A.	Dec.	L/H	Exp	Comments
182	HD 172728	18 37	62 31	#87	1.8s	
184	comp			↑		
185	HD 179933	19 09	65 58	#87	3s	
186	comp			↑		
187	HD 165459	18 02	58 37	#87	4s	
188	comp			↑		
189	HD 188793	19 53	59 42	#87	3s	
190	comp			↑		
191	HD 170693	18 25	65 53	#87	1s	
192	comp			↑		
193	HD 173398	18 41	62 44	#87	3s	
194	comp			↑		
195	HD 166780	18 08	57 58	#82	2.5s	
196	comp			↑		
197	HD 173511	18 41	61 32	#82	5s	
198	comp			↑		
209-200	BIAS				0s	
209-218	FLAT				6s	
219-228	BIAS				0s	
229-238	FLAT				12s	
239-248	DARK				15m	

Inch Telescope Log

Observer: CALYTAUS  
 PI: Korhonen & Koranyi

Spectrograph: FAST

Grating: 600L

Page: 8406

Date: 4/6/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments "ABS"
1-9	DARK				15m	600L/494 tilt
10-19	BIAS				25s	2" slit / Binkx 2.1
20-29	FLAT				25s	Focus = 920
30	Feige 34	10 39	43 05	#87	90s	PA = 80°
31	comp			↑		
32	HD100006	11 30	18 15	#88	1/10	3"/sec
33	comp			↑		
34, 35	M81	9 55	99 02	#88	5m	PA = 30
36	comp			↑		
37	comp			↓		
38-40	MFC009	7 23	41 39	#88	15m	PA = -50°
41	comp			↑		
42	comp			↓		
43-45	MFC007	11 44	19 50	#88	10m	PA = -60
46	comp			↑		
47	comp			↓		
48-51	MFC004	10 27	-3 17	#88	10m	PA = -35
52	comp			↑		
53	comp			↓		
54-57	MFC002	10 00	-2 58	#88	10m	PA = -45; possible
58	comp			↑		inc in gal
59	snrge 3090?	10 00	-2 58	#88	5m	H <sub>β</sub> ? Nova?
60	comp			↑		
61	HD120420	13 48	31 09	#88	N/A	3"/sec
62	comp			↑		
63	comp			↓		
64-66	MFC004	15 02	11 55	#88	10m	PA = 87°
67	comp			↑		
68	comp			↓		
69, 70	MFC009	13 59	36 14	#88	10m	PA = 80°

Inch Telescope Log  
 Observer: CALKINS  
 PI: Kochanek & Korpanyi

Spectrograph: FAST  
 Grating: 600L  
 Date: 4/6/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
71	comp			↑		
72	comp			↓		
73-76	MF6008	12 06	28 10	#35F	10m	PA=34°
77	comp			↑		
78	HD109519	12 35	21 52	#88F	N/A	3"/sec
79	comp			↑		
80-82	M87	12 30	12 24	#88F	4m	PA=38
83	comp			↑		
84	BDP332642	15 51	32 56	#56	1m	PA=92
85	comp			↓		
86	comp			↓		
87-89	MF0014	13 48	18 21	#88	15m	PA=10°
90	comp			↑		
91	comp			↓		
92-94	MF0074	16 01	16 40	#88	15m	PA=-10
95	comp			↑		
96	HD140716	15 43	32 30	#88	N/A	3"/sec
97	comp			↑		circus overhead
98	comp			↓		
9A-102	MF6012	14 28	25 51	#35F	10m	PA=105
103	comp			↓		
104	comp			↓		
105-107	MF4092	16 27	21 36	#88	10m	PA=52°
108	comp			↑		
109-112	NGC5846	15 03	1 47	#88	3m	PA=46
113	comp			↑		
114	BDP332642	15 52	32 57	#56	1m	PA=85
115	comp			↑		
116	HD143107	15 57	26 52	#88	N/A	3"/sec
117	comp			↑		



Hi Susan!

Inch Telescope Log  
 Observer: P Berlin  
 PI: Kochanek

Spectrograph: FAST  
 Grating: 6000.2" slit  
 Date: 4/7/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIBS				0s	60 spm; 2-slit
11-25	FLAT				55s	2c = 4900 Å all night ↓
26-28	sky	zenith			1m	
29	COMP				20s	
30-31	HD 27697	04:22	+17:32	88	50s	
32	COMP			↑		
33-34	HD 4559	05:19	+22:05	88	50s	
35	COMP			↑		
36-37	HD 44133	06:48	+13:13	88	50s	
38	COMP			↑		
39-40	MF 4109	07:29	+26:54	88	8m	PA=85
41	COMP			↑		
42	COMP			↓		PA=77
43-45	MF 4110	07:21	+39	88	15m	PA=77
46	COMP			↑		
47-48	MF 4122	11:52	+18:48	88	12m	
49	COMP			↑		
50-51	MF 4134	10:43	+43	88	25m	
52	COMP			↑		
53	COMP			↓		PA=40L
54-57	MF 6005	10:30	+03	88	15m	PA=40L Kerang?
58	COMP			↑		
59	COMP			↓		
60-62	MF 4078	09:03	+13	88	12m	PA=45
63	COMP			↑		
64	COMP			↓		
65-68	MF 6009	12:15	+73:46	35	15m	PA=55 Kerang?
69	COMP			↑		
70-72	NGC 4365	12:07	+07	88	3m	PA=40
73	COMP			↑		

0034.pix is shorter than other pixel files; could not write file

Inch Telescope Log

Observer: PB

PI: K.

Spectrograph: F151

Grating: 602.254

Date: 4/7/60

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
74-76	NGC 458	12:17	+29	SS	3m	PA=90
77	COMP			↑		
78-79	H2M	13:21	+36	SS	3m	PA=90
80	COMP			↑		
81	COMP			↑		
82-86	MF6010	14:0	+02:51	BS	15m	PA=90
87	COMP			↓		
88	COMP			↓		
89-90	MF6014	14:40	+03:27	BS	15m	PA=15
91, 94	COMP			↑		
95-96	MF4082	15:47	+28	SS	10m	PA=30
97	COMP			↑		
98-99	MF6043	15:15	+22	SS	12m	PA=30
100	COMP			↑		
101	COMP			↑		
102-104	MF071	15:51	+00	SS	20m	PA=60
105	COMP			↑		
106-108	NGC 5846	15:01	+01:47	SS	3m	PA=90
109	COMP			↑		
110-111	HIDIS 2224			SS	1m	
112	COMP			↑		
113-114	HIDIS 3312			SS	1m	
115	COMP			↑		
116-117	HIDIS 6884			SS	1m	
118	COMP			↑		
119-128	DIMS				0.5	
129-138	FLAT				SS	
139-140	<i>[Handwritten signature]</i>					

Inch Telescope Log

Observer: P. Belmont

PI: Cover

Spectrograph: FAST

Grating: 602.2

Date: 4/8/60

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Number	Object	R.A.	Dec.	L/A	Exp	Comments
110	DARK				15m	$\lambda_c = 4960 \text{ \AA}$
1120	BDPS				01	
2130	FLAT				55s	thick clouds
313335	XTE	11	+48	65	15m	all night
323917	COMP			1		
32	HZ44	13	+76	16	5m	
38	COMP			1		
3941	XTE	11	+48	65	15m	
4042	COMP			1		
4352	BDPS					
52-62	FLAT					

Inch Telescope Log  
 Observer: P. Bernd  
 PI: Kochanek  
 Spectrograph: FAST  
 Grating: 600, 2'  
 Date: 4/9/60  
 Page: 8/112

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				20m	600pm, 2" slit
11-20	BDS				0s	70 = 4900A
21-40	FLAT				55s	all night ↓
41-45	sky	zenith		88	5s	clearing...
46	COMP			↑	20s	
47-48	HD 31859			88		
49	COMP			↑		
50-51	HD 18137			88		
52	COMP			↑		
53	KTE	11:18	+48	65	10m	7:45 - 2:30
54	COMP			↑		
55	COMP			↓		
56-58	ME 2862	08:09	+71:47	88	15m	PA=25
59	COMP			↑		
60	KTE	11	+48	65	5m	PA=90 9:45
61	COMP			↑		
62-63	ME 1019	10:50	+64:48	88	10m	PA=45
64	COMP			↑		
65	COMP			↓		
66-68	ME 1018	11:14	+28	88	10m	PA=70 * to E in slit.
69	COMP			↑		
70	KTE	11	+48	65	5m	PA=90
71	COMP			↑		thin clouds...
72-73	FO 529	10:36	+43	88	2.5m	
74	COMP			↑		
75	COMP			↓		
76-78	ME 1016	11:30	+24:10	88	10m	PA=55
79	COMP			↑		
80-82	NGC 425	12:05	+65:27	88	3m	PA=98
83	COMP			↑		

MKIC

Inch Telescope Log  
 Observer: PB  
 PI: K  
 Spectrograph: FAST  
 Grating: 600  
 Date: 4/9/00  
 Page: 813

Number	Object	R.A.	Dec.	L/R	Exp	Comments
84	XTE	11	+48	65	5m	
85	COMP			↑		
86	COMP			↓		
87, 90, 91	MF607	1201	+0153	35	15m	PA=-75
89, 92	COMP			↑		#89 is for project 35ab
93	XTE	11	+48	65	5m	PA=90
94	COMP			↑		
95-96	H24	13:21	+36	88	3m	PA=90
97	COMP			↑		
98	COMP			↓		
99-101	MF406	1201	+703	88	10m	PA=10
102	COMP			↑		
103	XTE	11	+48	65	5m	PA=90
104	COMP			↑		
105	COMP			↓		
106, 109, 110	MF6011	14:02	+09	35	15m	PA=-60
108, 111	COMP			↑		
112	XTE	11	+48	65	5m	PA=90
113	COMP			↑		
114-116	NGC 489	1251	+27	88	4m/5m	PA=65
117	COMP			↑		
118-119	ME 4078	14:02	+173	88	8m	PA=55
120	COMP			↑		from clouds
121	XTE	11	+48	65	5m	PA=90
122	COMP			↑		
123-125	NGC 5816	15:02	+0147	88	3m	PA=90
126	COMP			↑		
127	COMP			↓		
128, 129, 130	MF6015	16:01	+03	35	15m	PA=70 Keranyi
131, 132	COMP			↑		

Inch Telescope Log

Observer: PB

PI: K

Spectrograph: FAST

Grating: 600.2"

Date: 4/9/00

Page: 84H

Number	Object	H A	Dec.	L/R	Exp	Comments
134	COMP			L		
135-139	MFG606	16:57	+27:51	35	15m	file 139=10-min; twilight.
137-140	COMP			R		
141-2	HD147677	16	+26	88	1m	88 not 35
143	COMP			f		
144-45	HD 1559M	17:	+26	84	1m	88 not 35
146	COMP			f		
147-156	BHS				03	
157-166	FLAT				55,	
						thin clouds.

Inch Telescope Log  
 Observer: CALVIN S  
 VI: Kochanek

Spectrograph: FAST  
 Grating: 6000  
 Date: 4/10/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-3	DARK				15m	ARS
4-13	RTAS				0s	
4-23	FLAT				35s	
24	Feige 34	10 39	43 05	↑	90s	PA = 71°
25	comp			↑		
26	HD 48433	6 44	13 13	↑	N/A	PA = 90, 3"/sec
27	comp			↑		
28-31	NGC 4278	12 28	29 17	↑	3m	PA = 108°
32	comp			↑		
33	comp			↓		
34-36	MF0021	9 17	20 02	↑	10m	PA = -20
37	comp			↑		
38	comp			↓		
39-41	MF4019	9 14	43 09	↑	15m	PA = -5
42	comp			↑		
43	comp			↓		
44-46	MF0034	12 36	12 24	↑	20m	PA = -52
47	comp			↑		
48	HD 111591	12 50	22 52	↑	N/A	3"/sec
49	comp			↓		
50	comp			↓		
51-53	MF4074	13 07	24 48	↑	15m	PA = 97
54	comp			↑		
55, 56	MF4044	11 58	25 01	↑	7.5m	PA = 33 faint!!
57	comp			↑		
58	comp			↓		
59-61	MF0028	12 17	19 04	↑	15m	PA = 29°
62	comp			↑		
63	HD 140716	15 43	32 30	↑	N/A	3"/s
64	comp			↑		

Inch Telescope Log  
 Observer: CALKINS  
 PI: Kochgesch  
 Spectrograph: FAST  
 Grating: 600L  
 Date: 9/10/00  
 Page: 8416

Number	Object	R.A.	Dec.	L/R	Exp	Comments
65-68	NGC 4621	12 42	11 38	R88	3m	PA = -15
69	comp			↑		
70	H344	13 23	36 09	R88	2m	PA = 106
71	comp			↑		
72	comp			↓		
73-75	MF0040	16 32	22 24	R88	20m	PA = 100
76	comp			↑		
77-78	MF0040	13 31	20 00	R88	7.5m	
79	comp			↑		
80-81	MF0079	16 25	40 55	R45	7.5m	PA = 1°, seeing a little worse
82	comp			↑		
83-84	MF4090	16 30	35 01	R88	7.5m	PA = 33°
85	comp			↑		
86	HD109519	12 35	21 52	R88	N/A	3"/sec
87	comp			↑		
88	comp			↓		
89-91	MF4089	16 05	17 46	R88	15m	PA = 69°
92	comp			↑		
93	comp			↓		
94-96	MF0089	17 42	16 12	R88	10m	PA = -37°
97	comp			↑		
98	BDP333642	16 52	32 56	R88	1m	PA = 81
99	comp			↑		
100	HD154084	17 02	25 30	R88	N/A	3"/sec
101	comp			↑		
102-106	sky			R57	2s	
107	comp			↑		
108-112	BIAS				0s	
113-127	FLAT				35s	
128-137	DARK				15m	

Inch Telescope Log  
 Observer: Calvin  
 PI: Kochanek Garcia

Spectrograph: FAST  
 Grating: 200L  
 Date: 4/11/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BTAC				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	
41-50	FLAT				12s	
51-55	sky			#57	2s	
56	comp			↑		
57-58	Feige 34	10 39	43 06	#56	90s	
59	comp			↑		
60-61	N3577	10 47	13 59	#57	60s	
62	comp			↑		
63	ZMJO83125	8 31	40 57	#88	20m	sky still bright
64	comp			↑		might have to
65	ZMJO85717	8 37	78 00	#88	4m	get again
66	comp			↑		
67	ZMJO84317	8 43	52 45	#88	4m	
68	comp			↑		
69	ZMJO84455	8 44	52 29	#88	2m	
70	comp			↑		
71	ZMJO85601	8 55	42 16	#88	2.5m	
72	comp			↑		
73	XTE	11 18	48 02	#65	5m	UT = 3:30
74	comp			↑		use 6min exp first
75-77	XTE	11 18	48 02	#65	6m	10K etc
78	comp			↑		
79-81	XTE	11 18	48 02	#65	6m	
82	comp			↑		
83-85	XTE	11 18	48 02	#65	6m	
86	comp			↑		
87-89	XTE	11 18	48 02	#65	6m	

Inch Telescope Log

Observer: CALKINS

PI: Garcia, Kerhaned

Spectrograph: FAST

Grating: 500L

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Date: 4/11/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
90	comp			↑		
91-93	XTE	11 18	48 02	↑65	6m	
94	comp			↑		
95-97	XTE	11 18	48 02	↑65	6m	
98	comp			↑		
99-101	XTE	11 18	48 02	↑65	6m	A B ↑
102	comp			↑		
103-105	XTE	11 18	48 02	↑65	6m	
106	comp			↑		
107-109	XTE	11 18	48 02	↑65	6m	
110	comp			↑		
111-113	XTE	11 18	48 02	↑65	6m	
114	comp			↑		
115-117	XTE	11 18	48 02	↑65	6m	
118	comp			↑		
119-121	XTE	11 18	48 02	↑65	6m	H9 ↑
122	comp			↑		
123-125	XTE	11 18	48 02	↑65	6m	
126	comp			↑		
127-129	XTE	11 18	48 02	↑65	6m	UT = 8:10
130	comp			↑		
131	ZMS102157	10 21	21 39	↑88	2.5m	
132	comp			↑		
133	ZMS102206	10 22	21 04	↑88	2m	
134	comp			↑		
135	ZMS103914	10 39	20 19	↑88	90S	
136	comp			↑		
137	ZMS104311	10 43	24 53	↑88	105S	
138	comp			↑		
139	ZMS104728	10 47	36 49	↑88	6m	

Inch Telescope top.  
 Observer: CALKINS  
 PI: Kocharek et al.

Spectrograph: EAST  
 Grating: 300L  
 Date: 2/11/02

Page: 8419

Number	Object	R.A.	Dec.	L/R	Exp	Comments
140	comp			↑		
141	2M J104802	10 47	14 24	#88 9	2m	
142	comp					
143	2M J104802	10 47	14 24	#88	2m	do again - insufficient counts
144	comp			↑		
145	2M J104927	10 49	21 47	#88	2.5m	
146	comp			↑		
147	2M J111551	11 15	25 58	#88	4m	
148	comp			↑		
149	2M J111757	11 17	22 30	#88	2m	
150	comp			↑		
151	2M J112530	11 25	22 43	#88	2m	row 75
152	comp			↑		
153	2M J112552	11 25	18 26	#88	90s	
154	comp			↑		
155	2M J113313	11 33	34 16	#88	90s	
156	comp			↑		
157	2M J113427	11 34	25 52	#88	2m	insufficient cts
158	comp			↑		do again
159	2M J113427	11 34	25 52	#88	2m	
160	comp			↑		
161	2M J145409	14 53	24 59	#88	2m	
162	comp			↑		
163	2M J163959	16 39	62 00	#88	3m	
164	comp			↑		
165	2M J164256	16 42	43 59	#88	2m	row 38
166	comp			↑		
167	2M J164503	16 45	50 50	#88	2.5m	
168	comp			↑		
169	2M J164733	16 47	53 57	#88	3.5m	

## Inch Telescope Log

Observer: CALKINSPI: Kochanek et alSpectrograph: FASTGrating: 3006Page: 8420Date: 4/11/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
170	comp			†		
171	ZMJ164826	16 48	41 57	#88	2m	
172	comp			†		
173	ZMJ165014	16 50	23 26	#88	3m	
174	comp			†		
175	ZMJ165238	16 52	54 49	#88	2.5m	
176	comp			†		
177	ZMJ153234	15 32	83 03	#88	3m	
178	comp			†		
179	ZMJ171427	17 13	52 26	#88	105s	
180	comp			†		
181	ZMJ171514	17 15	52 40	#88	60s	
182	comp			†		
183	ZMJ171552	17 16	36 24	#88	2m	
184	comp			†		
185	ZMJ171821	17 18	41 38	#88	105s	
186	comp			†		
187	ZMJ172215	17 22	40 42	#88	75s	
188	comp			†		
189	ZMJ172350	17 23	30 42	#88	105s	
190	comp			†		
191	ZMJ172423	17 24	49 55	#88	4.5m	
192	comp			†		
193	ZMJ172712	17 27	31 51	#88	7m	
194	comp			†		
195	ZMJ172718	17 27	31 44	#88	180s	
196	comp			†		
197	ZMJ173117	17 31	36 26	#88	2m	
198	comp			†		
199	ZMJ173339	17 33	36 33	#88	2.5m	

Inch Telescope Log  
 Observer: CALKINS  
 PI: Kocharek et al

Spectrograph: FAST  
 Grating: 3006  
 Date: 9/1/00

Page: 8421

Number	Object	R.A.	Dec.	L/R	Exp	Comments
200	comp			↑		
201	ZM J173647	17 40	37 41	R88	3m	
202	comp			↑		
203	ZM J174512	17 45	38 55	R88	4.5m	
204	comp			↑		
205	ZM J175614	17 56	47 59	R88	2m	
206	comp			↑		
207	ZM J175650	17 56	28 04	R88	4.5m	
208	comp			↑		
209	ZM J175841	17 58	41 56	R88	2m	
210	comp			↑		
211	ZM J175930	17 59	42 30	R88	3.5m	row 75
212	comp			↑		
213	ZM J191240	19 12	59 30	R88	2.5m	
214	comp			↑		
215	ZM J184159	18 41	50 14	R88	4m	row 75
216	comp			↑		
217	ZM J183625	18 36	27 01	R88	2.5m	
218	comp			↑		
219	ZM J182259	18 23	43 39	R88	4.5m	
220	comp			↑		
221	ZM J181210	18 12	64 58	R88	3.5m	row 75
222	comp			↑		
223	ZM J180627	18 06	46 32	R88	2m	
224	comp			↑		
225	ZM J180537	18 05	60 30	R88	2m	
226	comp			↑		
227	ZM J180245	18 02	26 14	R88	4m	PA = 79° to isolate
228	comp			↑		
229	ZM J180145	18 01	28 25	R88	2m	

Inch Telescope Log

Observer: CALKINS

PI: Kochanek, Kenyon, All

Spectrograph: FAST

Grating: 700L

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Date: 4/11/00

Number	Object	R A	Dec.	L/R	Exp	Comments
230	comp			↑		
231-233	BFCy9	19 23	29 40	#12	1/10/00	
234	comp			↑		
235-237	CHCy9	19 24	50 14	#12	1/5/00	
238	comp			↑		
239-241	HMSgc	19 41	16 49	#12	1/10/00	identity??
242	comp			↑		
243	BDp332642	15 52	32 56	#56	1m	
244	comp			↑		
245	BDp332642	15 52	32 56	#56	1m	
246	comp			↑		
247-256	BIAS				0s	
257-266	FLAT				6s	
267-276	BIAS				0s	
277-286	FLAT				12s	
287-296	DARK				15m	

8 inch Telescope Log

Observer: CALVIN

PI: All, Koyan, Kishner, Goldsch

Spectrograph: FAST

Grating: 3000/1000

Date: 4/24/60

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				0s	
31-40	BIAS				0s	
41-50	FLAT				12s	
51-55	sky	zenith		comp	2s	
56	comp			↑		
57-58	Hiltner 600	10 39	43 06	F56	90s	Feige 34
59	comp			↑		
60-61	Hiltner 600	10 39	43 06	F56	90s	Feige 34
62	comp			↑		
63-64	Hiltner 600	10 39	43 06	F56	90s	PA=00 Feige 34
65	comp			↑		
66-67	B Gers	6 03	27 42	F100	2, 10m	
68	comp			↑		
69	sn 1999 q1	10 18	41 27	F72	20m	PA=-44
70	comp			↑		
71	sn 2000 bk	12 33	-7 22	F72	20m	PA=-23, Type IA Faint!
72	comp			↑		
73	N3377	10 47	10 59	F57	1m	
74	comp			↑		
75	N3377	10 47	13 29	F57	1m	
76	comp			↑		
77-86	FLAT				21s	6006/3" / T.H.=711
87-88	V60538	12 24	18 11	F70	20m	Fully 2/ Focus=1100
89	comp			↑		PA=110
90	V60250	12 30	12 20	F70	20m	PA=29°
91	comp			↑		
92, 93	V60208	12 47	10 12	F70	20m	PA=19°
94	comp			↑		

DATA REDUCED IN 3 SETS; SET 1, SET 2, + SLIT 2

Inch Telescope Log  
 Observer: CALVINUS Kemper  
 PI: Caldwell, Mazalet/Ferris, Kishner  
 Spectrograph: FAST  
 Grating: 60024/300L  
 Date: 4/21/00  
 Page: 8 of 60

Number	Object	R.A.	Dec	L/R	Exp	Comments
95-96	H3 94	13 23	36 07	#56	2m	
97	comp			↑		
98, 99	VCC 140	12 15	19 25	#70	20m	PA=0.0
100	comp			↑		
101, 102	VCC 1183	12 29	11 25	#70	20m	PA=0.0
103	comp			↑		
104-113	FLAT				14s	300L/2"/Tilt=6.10
114, 115	p70.0382	16 38	70 10	#87	2,60s	Focus=102.5
116	comp			↑		
117-119	p71.0286	16 43	71 24	#87	3,304s	
120	comp			↑		
121-123	p69.358	16 45	60 07	#87	1,515	thin cirrus overhead
124	comp			↑		
125-126	p69.0383	16 59	69 11	#87	12m	
127	comp			↑		
128, 129	p68.0339	16 44	68 36	#87	17m	
130	comp			↑		
131-133	p62.0546	16 54	62 15	#87	3,204s	
134	comp			↑		
135	sn2000bs	17 06	43 06	#2	20s	3" slit, PA=-25
136	comp			↑		
137, 138	H154791	17 06	23 58	#12	1,10s	PA=89.1
139	comp			↑		
140, 141	Hen 1341	17 08	-17 26	#12	30,300	
142	comp			↑		
143, 144	M 1m21	17 34	-19 08	#12	5,180	row 75
145	comp			↑		
146, 147	M 1ser	17 42	-15 24	#12	30,300	row 75
148	comp			↑		
149, 150	RTser	17 39	-11 56	#12	10,180	



Inch Telescope Log

Observer: CALDWELL

PI: All Kenyon, Garcia, Caldwell

Spectrograph: EAST

Grating: 3000/600

Page: 89/66

Date: 4/25/00

Number	Object	R.A.	Dec.	B/R	Exp	Comments
1-3	Test exp					
4-13	DARK				15m	
14-23	BEAS				60s	
24-33	FLAT				60s	
34-43	BEAS				60s	
44-53	FLAT				120s	
54-55	Feige 34	10 39	43 06	#56	90s	
56	comp			↑		
57-58	Feige 34	10 39	43 06	#56	90s	
59	comp			↑		
60,61	Feige 34	10 39	43 06	#56	90s	
62	comp			↑		
63	N3377	10 47	13 58	#57	60s	
64	comp			↑		
65	N3377	10 47	13 58	#57	60s	
66	comp			↑		
67-68	DGGem	6 03	27 41	#60	2,10m	
69	comp			↑		
70,71	BX Mon	7 25	-3 35	#12	5,60s	
72	comp			↑		
73-75	TX CVn	12 44	36 45	#12	3,10,30	
76	comp			↑		
77	XTEJ118	11 13	48 01	#65	10m	
78	comp			↑		
79,80	VCC1422	12 32	10 12	#70	20m	PA = -15 Cool/mm <i>gills</i>
81	comp			↑		
82,83	VCC751	12 24	13 14	#70	20m	PA = 110°
84	comp			↑		
85	H344	13 23	30 07	#56	2m	
86	comp			↑		

Reduced in 3 sets: set 1 (files 1-78), set 2 (files 97-117 + 123 - 213)  
 and set 21 (files 130 - 171)

DID NOT HAVE A PROPER SET OF FLATS  
 FOR FILES 97-117 (in the middle of 600 l/mm  
 - note description)

Inch Telescope Log  
 Observer: CAROLAN  
 PI: CALDWELL, Geller, Garsene  
 Filter: FA250  
 H-alpha  
 Spectrograph: FAST  
 Grating: 6004/3006  
 Date: 9/25/00  
 Page: 8467

Number	Object	R.A.	Dec.	L/R	Lap	Comments
87-96	FLAT				24s	
97	111818... A	11 20	19 37	F113	17m	PA = 69
98	comp			↑		
99, 100	111818... B	11 20	19 37	F113	20m	PA = 110
101	comp			↑		
102, 103	111818... C	11 21	19 35	F115	15m	TA = 95°
104	comp			↑		
105	XTE J1118	11 18	48 02	F165	10m	PA = 90°
106	comp			↑		
107	113830... A	11 41	24 49	F113	12m	
108	comp			↑		
109	113830... B	11 41	24 48	F113	20m	PA = -5
110	comp			↑		
111	113830... C	11 41	24 48	F113	17m	PA = 70°
112	comp			↑		
113, 114	RHya	13 34	-25 22	F112	5, 60s	
115	comp			↑		
116	B2 (1287)	14 16	-21 45	F112	300s	PA = 100 to isolate
117	comp			↑		
118	Alcathra 16	16 06	16 19	F70	22m	PA = 105, 6004/741/ Focus = 1100
119	comp			↑		
120-129	FLAT				14s	3006/2" / F11 = 610
130, 131	60.0581	17 24	60 25	F87	1530s	Focus = 1025
132	comp			↑		
133-135	64.0492	17 02	61 01	F87	15/30/45	
136	comp			↑		
137-139	60.0580	17 24	60 24	F87	15/30/45	
140	comp			↑		
141	60.0598	17 47	60 12	F87	20m	
142	comp			↑		

Inch Telescope Log  
 Observer: CALVIN  
 PI: FAZSO, Kenyan

Spectrograph: FAST  
 Grating: 300L  
 Date: 4/25/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
142-145	61.0569	17 23	61 12	#87	15/60/95	
146	comp			↑		
147-149	61.0570	17 26	61 00	#87	30/60/90	
150	comp			↑		
151-152	61.0582	17 36	61 40	#87	30/60	
153	comp			↑		
154-156	64.0504	17 15	64 24	#87	30/60/90	
157	comp			↑		
158, 159	66.0507	17 31	66 46	#87	45/150	
160	comp			↑		
161, 162	66.0513	17 44	66 31	#87	70/150	
163	comp			↑		
164, 165	66.0514	17 45	66 48	#87	30/60	
166	comp			↑		
167, 168	70.0431	17 50	70 08	#87	5/30	
169	comp			↑		
170, 171	73.0324	17 06	73 40	#87	30/60	
172	comp			↑		
173, 174	RSCph	17 50	-6 42	#12	5/60	3" slit
175	comp			↑		
176, 177	V2146 Sgr	17 57	-21 41	#12	20/60	
178	comp			↑		
179, 180	AS270	18 05	-20 19	#12	30/300	
181	comp			↑		
182, 183	Hen 1591	18 07	-25 53	#12	20/60	
184	comp			↑		
185, 186	AS289	18 12	-11 40	#12	5/60	
187	comp			↑		
188, 189	AS316	18 42	-21 17	#12	20/60	
190	comp			↑		

Inch Telescope Log  
 Observer: Calixtus  
 PI: Kenyon, All  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 4/25/00  
 Page: 8469

Number	Object	R.A.	Dec.	L/H	Exp	Comments
191-192	V2201 Sgr	18 38	-22 41	#12	20/1000	
193	comp			↑		
194-195	VY Her	18 14	20 59	#12	20/1000	
196	comp			↑		
197-199	BFCy9	19 23	29 40	#12	10/1000	
200	comp			↑		
201-202	CHCy9	19 24	50 14	#12	15/100	
201	comp			↑		
205	HD192281	20 12	40 15	#56	41	
206	comp			↑		
207	HD192281	20 12	40 15	#56	43	
208	comp			↑		
209-213	sky			#57	25	
214	comp			↑		
215-224	BIAS				05	
225-234	FLAT				65	
235-244	BIAS				05	
245-254	FLAT				125	
255-264	DARK				15m	

For to Susan Tokarz  
Pg 1 of 4

Inch Telescope Exp:  
Observer: P. Derlind + Zoltan Babgy  
PI: Andr

Spectrograph: FAST  
Grating: 3000, 3:51+  
Date: 4/26/00

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Number	Object	R.A.	Dec.	Alt	Exp	Comments
1-10	BIAS				0s	
11-20	FLAT				7s	
21-30	BIAS				0s	clear @ sunset
31-40	FLAT				14s	
41-45	sky	zenith		57	2s	
46	WMP			↑		
47-48	FCR 39	10:43	+76	56	90s	
49	WMP			↑		
50	MRK 421	11:01	+40	6	9m	
51	WMP			↑		
52	N4051	12:	+12	6	2m	
53	WMP			↑		
54	N3377	10:	+07	57	2m	
55	WMP			↑		
56	XTE J11	11:18	+1800	65	10m	
57	WMP			↑		
58	NG 6018.0011	10:13	+7849	59	4m	
59	WMP			↑		
60	072	10:13	+78	59	8m	
61	WMP			↑		
62	073	10:13	+79	59	15m	LSB
63	WMP			↑		
64	074	10:13	+78	59	6m	
65	WMP			↑		
66	075	10:13	+78	59	12m	
67	WMP			↑		
68	076	10:13	+78	59	3m	
69	WMP			↑		
70	077	10:13	+78	59	90s	
71	WMP			↑		

Inch Telescope Log

Observer: PPB

PI: Andi/Nelson

Spectrograph: FBI

Grating: Juel

Date: 4/26/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
72	NGC 578.48	10:13	+58:39	S9	3m	
73	COMP			↑		
74	OS9	10:13	+58:50	S9	5m	
75	COMP			↑		
76	OS0	10:13	+58:47	S9	10m	
77	COMP			↑		
78	OS1	10:13	+58:39	S9	2m	
79	COMP			↑		
80	OS2	10:14	+58	S9	90s	*
81	COMP			↑		
82	OS3	10:14	+57	S9	5m	bmbay 2; comp gal to W
83	COMP			↑		
84	OS4	10:14	+58	S9	10m	
85	COMP			↑		
86	SN2000h	12:21	+21	Z	20m	PA=0
87	COMP			↑		
88	SN2000P	13:07	+28	Z	20m	PA=0
89	COMP			↑		
90	H244	13:23	+16	S6	2m	PA=45
91	COMP			↑		
92	test					
93	H244	13:23	+16	S6	4m	6002; 3" slit L
94	COMP			↑		
95-97	VCC 389	12:17	+15:49	70	20m	PA=45
96,98	COMP			↑		
99	VCC 1311	12:28	+17:02	70	15m	PA=45
100	COMP			↑		
101	NGC 5582	14:20	+39	70	15m	PA=36
102	COMP			↑		

82 - small gal to E, NOT W  
 80 - star; doesn't look like star on DSS;  
 superseded star? -

Inch Telescope Log.

Observer: PB

PI: Nelson

Spectrograph: FAB

Grating: 600 & 300

Date: 4/26/00

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Number	Object	R.A.	Dec.	Exp.	Exp.	Comments
103	N5520	13:51	+60	70	20m	600, 3" slit PA=60
104	COMP			↑		
105	N5590	14:21	+57.2	70	20m	
106	COMP			↑		
107	N5603	14:23	+40.22	70	20m	PA=90
108	COMP			↑		
109	N6003	15:49	+15	70	20m	
110	COMP			↑		
111	N5865	15:09	+20.28	70	15m	
112	COMP			↑		
113-114	BDP35000	15:50	+33	70	2m	
115	COMP			↑		
116-125	FLAT				24s	N.E.
126	SN2000by	16:52	+02.23	2	20m	300, 3" slit normal comb
127	COMP			↑		PA=9 per 551 cm
128	id 2998	19:57	+35:14	115	4m	PA=90
129	COMP			↑		
130	id 2998	19:57	+35:06	115	5m	
131	COMP			↑		
132	2991	19:58	+35:09	115	5m	
133	2948	19:58	+35:23	115	5m	chopped out cosmic
134	COMP			↑		
135	2943	19:58	+35	115	5m	
136	2992	19:58	+35	115		
137	COMP			↑		
138	2938	19:58	+35	115	10s	
139	2934	19:58	+35	115	3m	
140	COMP					

Inch Telescope Log

Spectrograph: FAST

Observer: PE/ZB

Grating: 300

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PI: ZB

Date: 4/26/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
141	2932	19:58	+35	115	2m	
142	2930	19:58	+35	115	30s	
143	comp					
144	2928	19:58	+35	115	5m	
145	2929	19:58	+35	115	3m	
146	comp					
147	2926	19:58	+35	115	20s	
148	2921	19:58	+35	115	3m	
149	comp					
150	2918	19:58	+35	115	2.5m	
151	2915	19:58	+35	115	4.5m	
152	comp					
153	2914	19:58	+35	115	3.5m	
154	2911	19:58	+35	115	3.5m	
155	comp					
156	2910	19:58	+35	115	3m	
157	2909	19:58	+35	115	5m	
158	comp					
159-161	HD192281	20:12	+40	56	5s	clear & down 63°F! ~
162	comp					
163-172	BARS				0	
173-182	FLAT				1/2	
183-192	BARS				0	
193-202	FLAT				1/2	

6 pages log

Inch Telescope Log  
 Observer: P. Berland & B. Lay  
 PI: Megeath

Spectrograph: FAST  
 Grating: 60, 300  
 Date: 4/27/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
FS	DARK				15s	
6-20	BEARS				0s	
21-50	FLAT			117	20s	6000, 2" slit for Sheila (not used)
51-60	BEARS				0s	
61-70	FLAT				7s	
71-80	BEARS				0s	
81-90	FLAT				15s	
91-95	sky	zenith		57	2s	clouds
96	WMP			↑		
97-106	FLAT			57	12s	2" slit - Fazio/Mjynth
107-108	HD 31657	misc		57		2" slit ↓
109	WMP			↑		3000 ↓
110-112	HD 56537			57	10s	
113	COMP			↑		
114-116	HD 7155			57	10s	
117	WMP			↑		
118-120	HD 56461	9:48	+28	57	30s	
121	WMP			↑		
122-123	HD 54420	09:48	+43	57	10s	
124	WMP			↑		
125-127	HD 50000			57	10s	
128	WMP			↑		
129-130	HD 5728			57	10s	
131	WMP			↑		
132-3	HD 5766			57	10s	
134	WMP			↑		
135-136	HD 91311			57	10s	
137	WMP			↑		

put in 2" slit

Inch Telescope Log  
 Observer: PB / ZB  
 PI: Megeath

Spectrograph: FAST  
 Grating: 300R, 2" slit  
 Date: 4/27/00

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Number	Object	R.A.	Dec	L/H	Exp	Comments
138-139	FD 91427			87	5s	lots of clouds! 300R, 2" slit ↓
140	COMP			f		
141-143	HD 91456			87	5s	
144	COMP			f		
145-147	HD 92940	1040	+32	87	5s	
148	COMP			f		
149-151	Bp 17-1931	08:40	+17	87	30s	
152	COMP			f		
153-155	boooooombo	08:48	+1505	87	1m	
156	COMP			f		
157-159	BSD 215	11:57	-0201	87	2m	
159	COMP			f		
160-161	Bp 06-2601	1222	+0525	87	2m	
162	COMP			f		
163	Land 413	1242	+0725	87	22m	↑↑ clouds
164	COMP			f		
165	BSD 290	1241	+051	87	3m	
166	COMP			f		
167	Land 257	1242	+051	87	22m	
168	COMP			f		
169	BSD 277	1336	+052	87	4m	
170	COMP			f		
171	B.M. 07.3652	1343	+0800	87	1m	
172	COMP			f		
173	Feig 34	10:39	+36	56	2m	
174	COMP			f		
175-177	HD 116512	13:23	+54	87	1s	
178	COMP			f		

Inch Telescope Log

Observer: JB/ZB

PI: Andi/Nelson

Spectrograph: FAST

Grating: 300L; 600L

Date: 4/2/00

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Number	Object	R.A.	Dec.	L/H	Exp	Comments
179	hg6078086	10:14	+39	59	4m	300L, 3" slit
180	COMP			↑		normal set-up ↓
181	057		+39	59	3m	
182	COMP			↑		
183	060	10:	+39	59	3m	clearing nicely!
184	COMP			↑		
185	062	10:14	+38	59	2m	
186	COMP			↑		
187	065	10:15	+39:39	59	6m	pat! 3" slit
188	COMP			↑		
189	070	10:15	+39	59	3m	
190	COMP			↑		
191	test					
1945	H244	12:23	+36	56	3m	600L, slit=3" filter=744 filter=KOS Nelson ↓
196	COMP			↑		
197	VCC1010	12:24	+1234	70	20m	PA=-05
198	COMP			↑		
199	VCC1827	12:27	+10839	70	20m	PA=-18 + to W
200	COMP			↑		
201	VCC966	12:29	+1544	70	15m	PA=-04
202	COMP			↑		
203	VCC1030	12:25	+1321	70	8m	PA=12
204	COMP			↑		
205	VCC1253	12:27	+1751	70	20m	PA=25
206	COMP			↑		
207	VCC1321	12:28	+17	70	15m	PA=25
208	COMP			↑		
209	VCC698	12:21	+1129	70	15m	PA=100
210	COMP			↑		

Inch Telescope Log  
Observer: PB ZB  
PI: Balog

Spectrograph: FAST  
Grating: 600L 300L  
Date: 4/27/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
211	NS412	13:51	+99:51	70	15m	600L, 3" slit
212	comp			↑		
213	BDP 332612	15:51	+92:56	56	90s	PA=90
214	comp			↑		
215-219	FLAT			70	2B	
225	test					300L, 3" slit, normal setup Focus = 965
226	BDP 332612	15:51	+92	56	1m	
227	comp			↑		
228-230	SNIC 1158	16:01	+01:42	2	20m	PA=0
229-231	comp			↑		
232	15150A371	15:17	+17:10	84	2m	Star = / fuzz - NO *
233	comp			↑		
234	15167A059	15:19	+16:09	84	15m	
235	comp			↑		
236	15177A105E	15:20	+11	84	10m	
237	comp			↑		
238	1d 2908	15:58	+35	115f	4.5m	binary
239	comp					
240	1d 2908	15:58	+35	115f	4.5m	binary
241	comp					
242	1d 2907	15:58	+35	115f	30s	
243	comp					
244	1d 2906	15:58	+35	115f	20s	
245	1d 2905	15:58	+35	115f	10s	
246	comp			↑		
247	1d 2904	15:58	+35	115f	3min	
248	comp					
249	1d 2896	15:58	+35	115f	2.5min	
250	comp					

Part 2  
3" slit

Inch Telescope Log  
 Observer: PB  
 PI: Tom

Spectrograph: FAST  
 Grating: 3000  
 Date: 4/27/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
231	id 2832	15:58	+25	115	5min	
232	comp					
233-5	+61.0612	18:03	+60 41	87	20s	2" slit ↓ 3000
236	comp			↑		
252-28	+61.0622	18:20	+60	87	20s	
260	comp			↑		
261-263	59.0613	18:26	+58	87	5-30s	
264	comp			↑		
265-266	59.0532	18:42	+55	87	10-20s	
267	comp			↑		
268-70	61.0629	18:36	+61	87	10-20s	
271	comp			↑		
273	61.0641	18:51	+61	87	30s-90s	#19
274	comp			↑		
275	66.0527	18:02	+66	87	15m	
276	comp			↑		
277	74.0524	18:49	+66	87	60m	
278	comp			↑		
279	72.0532	18:13	+77 30	87	30s	
280	comp			↑		
281-2	62.0602	18:06	+62	87	30s	
283	comp			↑		
284	66.0514	17:45	+66	87	30s	
285	comp			↑		
286	67.0553	18:30	+67	87	30s	
287	comp			↑		
288	68.0412	18:25	+68	87	30s	
289	comp			↑		
290	68.0418	18:34	+68	87	30s	

2" slit

Inch Telescope Log.

Observer: PB  
Tom

Spectrograph: FAST

Grating: 300R

Date: 4/27/60

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
292	68.0422	1847	+68	87	20s	2" slit ↓
293	COMP			↑		
294	74.0514	1904	+7410	87	20s	
295	COMP			↑		
296	69.0476	1970	+68	87	10s, 20s	
298	COMP			↑		
299	64.0590	1929	+69	87	10s	
300	COMP			↑		
301	64.0591	1925	+69	87	10s	
302	COMP			↑		
303	64.0581	1912	+69	87	10s	
304	COMP			↑		
305	66.6557	1935	+66	87	20s	
306	COMP			↑		
307-309	HID19851	2010	+70	86	25s	
310	COMP			↑		
311-312	HID19802	2020	+79	87	15s	
313	COMP			↑		
314-315	HID19003	1920	+58	87	15s	
316	COMP			↑		
317-318	HID19801	2047	+09	87	7s	
319	COMP			↑		
320-321	HID19868	1747	+0242	87	09s	
322	COMP			↑		
323-332	FLAT				10s	2" slit
333-342	TSMS				0s	3" slit ↓
343-352	FLAT				3s	
353-362	TSMS				0s	
363-372	FLAT				14s	

Inch Telescope Log

Observer: Z Balog

PI: Garcia

Spectrograph: FAST

Grating: 300 lines 3" slit

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Date: 4/28/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DADK			All	15m	
6-15	BIAS				0	
16-25	FLAT				7s	
26-35	BIAS				0	
36-45	FLAT				14s	cloud at sunset
46-50	Sky	zenith			2s	
51	comp					
52	XTE J1118.0-480	11.18	48.02	65F	8m	
53	comp					
54	XTE J1118.0-480	11.18	48.02	65F	8m	
55	comp					
56	XTE J1118.0-480	11.18	48.02	65F	8m	
57	comp					
58	XTE J1118.0-480	11.18	48.02	65F	8m	
59	comp					
60	XTE J1118.0-480	11.18	48.02	65F	8m	
61	comp					
62	XTE J1118.0-480	11.18	48.02	65F	8m	
63	comp					
64	XTE J1118.0-480	11.18	48.02	65F	8m	
65	comp					
66	XTE J1118.0-480	11.18	48.02	65F	8m	
67	comp					
68	XTE J1118.0-480	11.18	48.02	65F	8m	
69	comp					
70	XTE J1118.0-480	11.18	48.02	65F	8m	
71	comp					
72	XTE J1118.0-480	11.18	48.02	65F	8m	
73	comp					
74	XTE J1118.0-480	11.18	48.02	65F	8m	

Inch Telescope Log  
 Observer: Z. Ballou  
 PI: GADDA

Spectrograph: FAST  
 Grating: 300 line 3° slit  
 Date: 4/28/00

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Number	Object	R.A.	Dec.	L/B	Exp	Comments
75	comp					
76	XTE J1118p480	11-18	48-02	65F	8m	
77	comp					
78	XTE J1118p480	11-18	48-02	65F	8m	
79	comp					
80	XTE J1118p480	11-18	48-02	65F	8m	
81	comp					
82	XTE J1118p480	11-18	48-02	65F	8m	doubtful object drifting S
83	XTE J1118p480	11-18	48-02	65F	8m	(satellite)
84	comp					
85	XTE J1118p480	11-18	48-02	65F	8m	
86	XTE J1118p480	11-18	48-02	65F	8m	
87	comp					
88	XTE J1118p480	11-18	48-02	65F	8m	
89	XTE J1118p480	11-18	48-02	65F	8m	
90	comp					
91	XTE J1118p480	11-18	48-02	65F	8m	
92	XTE J1118p480	11-18	48-02	65F	8m	
93	comp					
94	XTE J1118p480	11-18	48-02	65F	8m	
95	XTE J1118p480	11-18	48-02	65F	8m	
96	comp					
97	XTE J1118p480	11-18	48-02	65F	8m	
98	XTE J1118p480	11-18	48-02	65F	8m	
99	comp					
100	XTE J1118p480	11-18	48-02	65F	8m	
101	XTE J1118p480	11-18	48-02	65F	8m	
102	comp					
103	XTE J1118p480	11-18	48-02	65F	8m	
104	XTE J1118p480	11-18	48-02	65F	8m	

Inch Telescope Log,  
 Observer: 2 BALOG  
 PI: GADCI, BALOG, FALCO, etc.  
 Spectrograph: FAST  
 Coating: 200 Å  
 Date: 4/29/00  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	Comp					
106	XTE J1118.5-1805	11:18	+18:02	65A	8m	
107	XTE J1118.5-1805	11:18	+18:02	65F	8m	
108	Comp					
109	XTE J1118.5-1805	11:18	+18:02	65F	8m	
110	XTE J1118.5-1805	11:18	+18:02	65F	8m	
111	Comp					
112	H2 44	13:23	36:07	56F	2.5m	telescope out of focus
113	Comp					
114	H2 44	13:23	36:07	56F	2.5m	focus set
115	Comp					
116	B0p332642	15:52	32:56	56F	2.5m	
117	Comp					
118	V66 5866	15:05	55:52	57F	3m	blink 2
119	Comp					
120	Comp					for H2 44 blink 2
121	Comp					for B0p332642 blink 2
122	B0p332642	16:02	29:37	84F	20m	
123	Comp					
124	1d 2886	13:58	+35	115F	1.5m	
125	Comp					
126	1d 2885	13:58	+35	115F	2m	
127	Comp					
128	1d 2875	13:58	+35	115F	3.5m	other star west
129	Comp					
130	1d 2874	13:58	+35	115F	3.5m	
131	Comp					
132	1d 2865	13:58	+35	115F	1.5m	
133	Comp					
134	1d 2854	13:58	+35	115F	2.5m	

Inch Telescope Log  
 Observer: Z BALOG  
 PI: BALOG

Spectrograph: FAST  
 Grating: 300 Lines 3" 24" Page: 8983  
 Date: 04/29/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
135	comp					
136	id 2852	19:58	+35	MSF	2.5m	mask, idal east
137	comp					
138	id 2843	19:58	+35	MSF	4m	
139	comp					
140	id 2841	19:58	+35	MSF	4m	
141	comp					
142	id 2838	19:58	+35	MSF	15sec	
143	comp					
144	id 2835	19:58	+35	MSF	3m	
145	comp					
146	id 2834	19:58	+35	MSF	4.5m	
147	comp					
148	id 2829	19:58	+35	MSF	4.5m	
149	comp					
150	id 2820	19:58	+35	MSF	4m	
151	comp					
152	id 2827	19:58	+35	MSF	15sec	
153	comp					
154	id 2817	19:58	+35	MSF	5m	
155	comp					
156	id 2815	19:58	+35	MSF	2.5m	
157	comp					
158	id 2813	19:58	+35	MSF	40sec	
159	comp					
160	id 2812	19:58	+35	MSF	2.5m	
161	comp					
162	id 2808	19:58	+35	MSF	5m	
163	comp					
164	id 2801	19:58	+35	MSF	2.5m	



Inch Telescope Log  
 Observer: Z BALOG

Spectrograph: FAST

Grating: 600 line 2" slit / 3000 lines per inch 3" slit

8485

PI: Kamin Spectral Lines / AA/Beta

Date: 05/25/02

Number	Object	N A	Dec.	L/H	Exp	Comments
1-10	DARK				15s	
11-20	BIAS				0s	dark by 2
31-60	FAST				20s	600 line 2" slit + slit 512
61-70	BIAS					bin by 2
71-75	sky	zenith			4s	Focus 965 sky flat low
76	comp					Focus 1005
77-81	sky				6s	Focus 1005 sky flat low
82	comp					
83	HD 052071	05:57	27:13	117P	250s	special observation the slit is covered
84	comp					the slit 3 or 4 times
85	HD 056224	07:14	26:27	117P	200s	
86	comp					
87	HD 072324	08:30	24:15	117P	300s	
88	comp					
89	comp					low NGC 3596 clouds visible
90	Fairchild	10:35	+43	56P	90s	300 line 2" slit, FH 610
91	comp					
92	10536 p 07170 b	10:18	07:05	113P	15m	
93	comp					
94	10536 p 07170 a	10:18	07:02	113P	20m	pos ang: 40
95	comp					
96	NGC 4952			57P		real pos ang 90 largest telescope in the field
97	comp					
98	10536 p 07170 c	10:18	07:05	113P	1m	*
99	comp					
100	10536 p 07170 d	10:18	07:05	113P	15m	*
101	comp					
102	H244	11:28	36:07	56P	25m	
103	comp					
104	comp int 65	12:50	27:25	61P	20m	

Inch Telescope Log  
 Observer: Z BALOG  
 PI: Lines, Balog, Kishner

Spectrograph: FAST  
 Grating: 300line 3° slit  
 Date: 04/25/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	comp					
106	com-int-66	12:35	22:26	64P	20m	
107	comp					
108	com-int-68	12:11	24:28	64P	20m	
109	comp					
110	com-int-69	12:35	22:48	64P	15m	
111	comp					
112	com-int-70	12:08	26:02	64P	20m	
113	comp comp					
114	com-int-71	12:06	22:52	64P	20m	
115	comp					
116	SARIN 58	16:01	01:42	2P	20m	binky 2 P=0
117	comp					
118	id1	20:05	35	115P	15	binky 2 P=30
119	comp					
120	id6	20:06	35	115P	10s	
121	comp					
122	id6	20:05	35	115P	10s	
123	comp					
124	id 2757	19:55	35	115P	35m	
125	comp					
126	id 2750	19:55	35	115P	80s	
127	comp					
128	id 2785	19:55	35	115P	3.5m	
129	comp					
130	id 2787	19:59	35	115P	5m	
131	comp					
132	id 2782	19:55	35	115P	2.5m	
133	comp					
134	id 2778	19:55	37	115P	4.5m	

Inch Telescope Log  
 Observer: Z BALOG  
 PI: BALOG

Spectrograph: FAST  
 Grating: 300 line 3"  
 Date: 04/29/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
135	comp					
136	id 2775	15:53	35	115A	6.5m	
137	comp					
138	id 2772	15:53	35	115	5.5m	
139	comp					
140	id 2767	15:53	35	115	3.5m	
141	comp					
142	id 2755	15:53	35	115	5m	
143	comp					
144	id 2739	15:53	35	115	3.5m	
145	comp					
146	id 2728	15:53	35	115	4.5m	
147	comp					
148	id 2725	15:53	35	115	3m	
149	comp					
150	id 2715	15:53	35	115	3m	
151	comp					
152	id 2716	15:53	35	115	5m	
153	comp					
154	id 2715	15:53	35	115	2m	
155	comp					
156	id 2713	15:53	35	115	4m	
157	comp					
158	id 2704	15:53	35	115	80s	
159	comp					
160	id 2708	15:53	35	115	80s	
161	comp					
162	id 2706	15:53	35	115	4m	
163	comp					
164-173	BIAL					For the 300 line 2" slit setup



12 inch Telescope top

Observer: Z BALOG

PI: KANNAPPAN

Spectrograph: FAST

Grating: 600 line 2" slit

Date: 04/30/00

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Number	Object	H A	Dec.	L/R	Exp	Comments
6-10	BIAS					blurred
11-20	BIAS					blurred
21-25	DARK				20s	blurred?
26-30	DARK				15s	blurred
31-60	FLAT				20s	600 line 2" slit
61-65	sky				2s	
66	comp					
67	HD 102224	11:43	48:03	M3F	10s	
68	HD 102224	11:43	48:03	M3F	35s	
69	comp				10s	
70	comp				10s	For NGC 3846 PA 40
71	NGC 3846	11:41	55:18	M3F	20m	↓
72	comp					
73	NGC 3846	11:41	55:18	M3F	20m	
74	comp					
75	NGC 3846	11:41	55:18	M3F	20m	
76	comp					
77	NGC 3846	11:41	55:18	M3F	20m	
78	comp				10s	
79	comp				10s	For NGC 4155
80	NGC 4155	12:08	76:24	M3F	20m	
81	comp				10s	
82	NGC 4155	12:08	76:24	M3F	20m	
83	comp				10s	
84	NGC 4155	12:08	76:24	M3F	20m	
85	comp				10s	
86	NGC 4155	12:08	76:24	M3F	20m	
87	comp				10s	
88	comp				10s	For NGC 4500 PA=33
89	NGC 4505	12:30	32:22	M3F	20m	↓

Inch Telescope Log  
 Observer: BALOG  
 PI: KANNAPPAN

Spectrograph: FAST  
 Grating: 500line 2" slit Page: 8490  
 Date: 04/20/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
90	comp				10s	
91	UGC 4505	12:30	32:22		20m	
92	comp				10s	
93	UGC 4505	12:30	32:22		20m	
94	comp				10s	
95	comp				10s	For AM361, 3323 PA=100
96	AM361, 3323	13:36	33:23		20m	
97	comp				10s	
98	AM361, 3323	13:36	33:23	M3F	20m	
99	comp				10s	
100	A 13361, 3323	13:36	33:23	M3F	20m	
101	comp				10s	
102	A 13361, 3323	13:36	33:23	M3F	20m	
103	comp				10s	
104	comp				10s	For AM452, 3545 PA=90
105	A 14452, 3545	14:45	35:45	M3F	20m	
106	comp				10s	
107	A 14452, 3545	14:45	35:45	M3F	20m	
108	comp				10s	
109	A 14452, 3545	14:45	35:45	M3F	20m	
110	comp				10s	
111	comp				10s	PA=142
112	A 14452, 3545	14:45	35:45	M3F	20m	
113	comp				10	
114	A 1445, 3545	14:45	35:45	M3F	20m	
115	comp				10c	
116	HD 136517	15:17	25:47	M3F	90s	PA=50
117	comp				10c	
118	HD 132401	18:27	08:41	M3F	80s	
119	comp					

