

Inch Telescope Log

Spectrograph: FAST

Observer: CALKINS

Grating: 3006

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PI: All Kirschner, Baby

Date: 7/1/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				05	
21-30	FLAT				6s	
31-40	BIAS				05	
41-50	FLAT				12s	
51	H244	12 23	36 08	#56	2m	Murky! good seeing
52	comp			↑		
53	H244	12 23	36 08	#56	2m	
54	comp			↑		
55	H244	13 23	36 08	#56	2m	PA = 87°
56	comp			↑		
57, 58	sn 20000s	15 58	37 27	#2	20m	PA = 94°
59	comp			↑		
60	sn 20000s	16 23	39 02	#2	13m	PA = 0, out sheet due to clouds, then the murk...
61	comp			↑		
62	id186	20 05	35 54	#115	5m	
63	comp			↑		
64	id68	20 05	35 47	#115	30s	
65	comp			↑		
66	id24	20 05	35 45	#115	2m	
67	comp			↑		
68	id1863	20 05	35 52	#115	5m	
69	comp			↑		
70	id1860	20 05	35 45	#115	2.5m	
71	comp			↑		
72	id167	20 05	35 47	#115	2m	
73	comp			↑		
74	id2092	20 05	35 47	#115	2m	
75	comp			↑		Row 75!
76	id105	20 05	35 42	#115	5m	

Inch Telescope Log

Spectrograph: FAST

Observed: CALYX

Grating: 3006

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PI: Kalcsy, All

Date: 7/1/00

Number	Object	H A	Dec.	L/R	Exp	Comments
77	comp			↑		
78	id 83	20 05	35 47	#115	2.5	
79	comp					with more clouds
80	id 63	20 05	35 40	#115	5m	
81	comp			↑		more clouds!
82	id 88	20 05	35 96	#115	5m	
83	comp			↑		
84	id 47	20 05	35 47	#115	4m	Few ?
85	comp			↑		
86	id 843	20 05	35 47	#115	4m	
87	comp			↑		
88	id 35	20 05	35 47	#115	2m	
89	comp			↑		
90	id 30	20 06	35 43	#115	3m	
91	comp			↑		
92	id 70	20 06	35 45	#115	4m	
93	comp			↑		
94	id 45	20 06	35 25	#115	3m	
95	comp			↑		
96	id 1828	20 06	35 46	#115	3m	
97	comp			↑		
98	id 87	20 06	35 47	#115	5m	
99	comp			↑		
100	id 41	20 06	35 50	#115	3m	
101	comp			↑		
102-106	sky			#57	2.5	
107	comp			↑		
108-117	BIAS				0s	
118-127	FLAT				6s	
128-137	BIAS				0s	

138-147 FLAT  
148-157 DARK

12s  
15m

Inch Telescope Log

Observer: CALVERTS

Spectrograph: FAST

Grating: 500L

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PI: All, Brown, Kirshner, Geller

Date: 7/2/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BLAS				0s	
21-30	FLAT				60s	
31-40	BLAS				0s	
41-50	FLAT				12s	
51, 52	H844	13 23	36 08	#56	2m	clear overhead!
53	comp			↑		
54, 55	H844	13 23	36 08	#56	2m	
56	comp			↑		
57, 58	H844	13 23	36 08	#56	2m	PA=95
59	comp			↑		
60	NS866a	15 06	55 45	#57	3m	dust lane
61	comp			↑		
62	NS866a	15 06	55 45	#57	3m	
63	comp			↑		
64, 65	W60	13 08	28 57	#118	20m	something wrong
66	comp			↑		w/coords - took a
67, 68	W69	13 10	28 42	#118	20m	while to find
69	comp			↑		
70	sn2000cs	16 23	39 08	#2	20m	PA=110°
71	comp			↑		
72	140006 - A	14 02	9 05	#113	20m	PA=44°
73	comp			↑		
74	140006 - B	14 02	9 08	#113	20m	PA=90°
75	comp			↑		
76	145254 - A	14 55	16 31	#113	15m	PA=90°
77	comp			↑		
78, 79	145254 - B	14 55	16 33	#113	15m	PA=45°
80	comp			↑		
81	157002 - B.E	15 59	20 44	#113	20m	PA=31° 2 objects or slit

Inch Telescope Log

Spectrograph: FAST

Observer: CALYSEN

Grating: 300X

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PI: Green, Fazio

Date: 7/2/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
82	comp			↑		
83-84	155700-1	15 59	20 45	#87	17m	PA=90°, row 72
85	comp			↑		
86-95	FLAT				15s	2" slit
96-97	B129-5687	21 12	-8 47	#87	8,30s	
98	comp			↑		
99-101	B14-5997	21 19	-14 01	#87	2,4,8s	
102	comp			↑		
103-105	B14-6020	21 25	-14 16	#87	1,3,6s	
106	comp			↑		
107-109	B14-6022	21 25	-13 57	#87	8,16,32s	
110	comp			↑		
111-113	B15-5897	21 08	-14 54	#87	5,10,20s	
114	comp			↑		
115-117	B15-5931	21 15	-14 43	#87	8,16,32s	
118	comp			↑		
119-121	B18-6029	21 54	-17 34	#87	2,16,32s	
122	comp			↑		
123-125	B19-6116	21 32	-18 35	#87	8,16,32s	
126	comp			↑		
127-129	Bscumble 2	21 20	-8 56	#87	8,16,32m	
130	comp			↑		
131-133	Bscumble 3	21 18	-9 15	#87	2,4,8,16,32s	
134	comp			↑		
135-137	B20-702	22 41	00 59	#87	45,90,3m	
138	comp			↑		
139-141	HD172556	18 36	65 03	#87	1,5,9s	
142	comp			↑		
143-145	HD181277	19 17	48 06	#87	5,10,15s	
146	comp					

Inch Telescope Log

Spectrograph: FAST

Observer: CALETUS

Grating: 300L

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PI: FAZSO, Wilkes, Palog, All

Date: 7/2/00

Number	Object	R.A.	Dec.	F/D	Exp	Comments
147-149	HD196296	20 35	36 08	#87	5, 10, 20s	
150	comp			↑		
151-153	HD212677	22 25	40 08	#87	5, 10, 20s	
154	comp			↑		
155	Akn 564	22 42	29 42	#6	5m	3" slit
156	comp			↑		
157	N7469	23 03	8 51	#6	2.5m	row 75
158	comp			↑		
159	MRK 509	20 41	-10 54	#6	3m	
160	comp			↑		
161	3C390.3	18 45	79 43	#6	10m	
162	comp			↑		
163	id 71	20 06	35 45	#15	4m	
164	comp			↑		
165	id 5	20 06	35 45	#15	5s	
166	comp			↑		
167	id 1812	20 06	35 37	#15	5m	
168	comp			↑		
169	BDP 284211	21 51	28 51	#56	30s	
170	comp			↑		
171	BDP 284211	21 51	28 51	#56	30s	
172	comp			↑		
173	M31	00 40	40 59	#57	60s	
174	comp			↑		
175	M31	00 40	40 59	#57	60s	
176	comp			↑		
177-181	sky			#57	2s	
182	comp			↑		
183-192	BEAS				0s	
193-202	FLAT				0s	

205-212 BEAS  
213-222 FLAT  
223-227 DARK

0s  
12s  
15m

Inch Telescope Log  
 Ob. cover: CALKINS  
 PI: Al Kissinger, Geller, Wilkes  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 7/3/00  
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Number	Object	R.A.	Dec.	L/R	Lap	Comments
1-10	Dark				15m	
11-20	BSAS				0s	
21-30	FLAT				6s	
31-40	BSAS				0s	
41-50	FLAT				2s	
51-55	sky			#57	4s	
56	comp			↑		
57-58	H244	13 23	26 08	#56	2m	
59	comp			↑		
60, 61	H244	13 23	26 08	#56	2m	
62	comp			↑		
63, 64	H244	13 23	26 08	#56	2m	PA=95
65	comp			↑		
66	N3377	10 47	13 59	#57	1m	
67	comp			↑		
68	N3377	10 47	13 59	#57	1m	
69	comp			↑		
70, 71	sn2000ck	13 58	28 25	#52	15m	PA=73°
72	comp			↑		
73, 74	10906-A	12 11	16 28	#113	17m	
75	comp			↑		
76, 77	10906-B	12 11	16 26	#113	20m	PA=80° to isolate
78	comp			↑		
79, 80	140312-A-B	14 05	30 45	#113	15m	PA=39°, A=row 119
81	comp			↑		
82	141018-A-B	14 13	20 24	#113	15m	PA=45°, A=row 106
83	comp			↑		
84	142200-A-B	14 24	34 53	#113	15m	PA=-8°, ????
85	comp			↑		
86	N5548	14 18	25 08	#6	3m	

84- "A is bright object" - talked to Mike Calkins on 7/12

TOP  
FAN  
MAY  
TOT

Inch Telescope Log  
 Observer: CACKINS  
 Name: Kirshner, Kenyon  
 Spectrograph: FAST  
 Grating: 5000  
 Date: 7/3/00  
 Page: 86/604

Number	Object	R.A.	Dec.	L/H	Exp	Comments
87	comp			↑		seeing improving
87	sn 2000CS	16 23	39 07	#2	20m	PA = 97°
89	comp			↑		
90	sn 2000CS	17 57	27 49	#2	15m	PA = 69°
91	comp			↑		
92, 93	HD 154791	17 06	21 57	#12	1, 10s	
94	comp			↑		
95, 96	AEW 1341	17 00	-17 26	#12	20/1000s	
97	comp			↑		
98, 99	M 1 m 21	17 34	-19 09	#12	10/1000s	Row 75
100	comp			↑		
101, 102	RT Ser	17 39	-11 55	#12	10/1000s	Row 75
103	comp			↑		
104, 105	UL Ser	17 42	-15 24	#12	20/1000s	Row 75
106	comp			↑		
107-109	XXO ph	17 43	-6 19	#12	1/500s	high proper motion → identity?
110	comp			↑		
111, 112	ZSO ph	17 50	-61 41	#12	5/1000s	
113	comp			↑		
114, 115	V 2416 Ser	17 57	-21 41	#12	20/1000s	
116	comp			↑		
117, 118	AS 270	18 05	-20 20	#12	10/1000s	
119	comp			↑		
120, 121	Hen 1591	18 07	-25 53	#12	20/1200s	
122	comp			↑		
123, 124	AS 289	18 12	-11 39	#12	5/1000s	
125	comp			↑		
126, 127	VY Her	18 14	20 59	#12	20/1000s	
128	comp			↑		
129, 130	S 149	18 18	27 26	#12	10/60	

Inch Telescope Log  
 Observer: CALPANA  
 PI: Kenyon, Balog, Wilcox  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 7/3/00  
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Bucket	Object	R.A.	Dec.	L/H	Exp	Comments
121	comp			↑		
122-129	V443 Her	18 22	23 27	#12	20/100/55	
135	comp			↑		
136	Draco Cl	17 20	57 49	#12	600s	
137	comp			↑		
138	R5105	18 35	01 46	#12	8m	
139	comp			↑		
140, 141	V2601 Sp	18 38	22 41	#12	20/100	
142	comp			↑		
143, 144	AS316	18 42	21 17	#12	20/100	
145	comp			↑		
146-148	DQ Ser	18 44	5 02	#12	1/3/130	row 75
149	comp			↑		
150	Abn S64	22 42	29 43	#6	5m	
151	comp			↑		
152	N7429	23 03	8 52	#6	2.5m	Row 75
153	comp			↑		
154	id 53	20 06	35 38	#115	2m	
155	comp			↑		
156	id 1810	20 06	35 45	#115	4m	row 72
157	comp			↑		
158	id 106	20 06	35 42	#115	5m	2 objects near center
159	comp			↑		
160	id 1801	20 06	35 52	#115	5m	
161	comp			↑		stopped by clouds!
162-171	BIAS				0s	
172-181	FLAT				10s	
182-191	BIAS				0s	
192-201	FLAT				12s	
202-211	DARK				15m	







Inch Telescope Log  
 Observer: A. Mahdavi  
 PI: Mahdavi

Spectrograph: FAST  
 Grating: 300  
 Date: July 4/2000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
131	COMP			↑		
132	SG16037.003	23:23:01	4:04:46	59	20m	
133	COMP			↑		
134	SG16007.005	23:23:17	3:03:15	59	14m	
135	COMP			↑		
136	SG16007.007	23:23:32	3:03:11	59	12m	
137	COMP			↑		
138	SG16007.005	23:24:10	2:39:48	59	15m	
139	COMP			↑		
140	HD217086	22:54	62:22	56	35	
141	COMP			↑		
142	N7531	22:39:01	31:5:18	57	3m	
143	COMP			↑		
144	S3 BIAS					
154-16	S FLAT					
164-173	FLAT					
174-183	BIAS					
184-194	DARK					

Bin by 2  
 ↓





Inch Telescope Log  
 Observer: A. Madai  
 PI: Balog / Madai

Spectrograph: EAST  
 Grating: 300  
 Date: July 5, 2000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
111	COMP			91		
112	id134	20:06:10	35:55:15	115	2m	
113	COMP			91		
114	id122	20:06:11	35:41:28	115	6 <sup>bin</sup> 2	Clouds many in
115	COMP			↑		Poor quality - veds
116	sr6037.013	23:24:37	3:16:59	59	10m	
117	COMP			↑		
118	sr6037.019	23:25:25	3:17:50	59	10m	
119	COMP			↑		
120	sr6037.024	23:26:33	2:19:00	59	10m	
121	COMP			↑		
122	sr6037.026	23:26:35	2:20:01	59	12m	
123	COMP			↑		
124	N7331	21:34	34:09	57	3m	
125	comp			↑		
126	Fergello	22:57	62:43	56	3m	Clouds
127	COMP			↑		
128-137	BIAS					
138-147	FLAT					
148-157	FLAT					Bin by 2
158-167	BIAS					↓
168-177	DARK					

1 inch Telescope Log  
 Observer: A. Mahdavi  
 PI: AI/Mahdavi/Boiler/Kirshank/Kayam

Spectrograph: FAST  
 Grating: 300  
 Date: JUL 6, 2000

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK					Dome problems again
11-20	BIAS					Clear above,
21-30	FLAT					but clouds in the
31-40	DAT					distance
41-50	BIAS					
51-55	SKY					
56	COMP					
57	H244	15:23:36	36:06:06	S7	2m	} b12 are binning } NOT REDUCED
58	COMP	↓	↓	↑		
59	H244			S6	4m	Bm by 2 PA=49.5
60	COMP			↑		↓
61	N4853	12:58:36	27:35:58	S7	4m	
62	COMP			↑		
63	SS26239,189	13:50:17	-7:16:07	S9	20m	
64	COMP			↑		
65	132124p31500-a	15:23:45	31:33:54	113	10m	
66	COMP			↑		
67	132124p31500-a	15:23:45	31:33:54	113	15m	
68	COMP			↑		
69	132124p31500-b	15:23:43	31:30:56	113	10m	PA=40°
70	COMP			↑		
71	134630p13300	12:48:29	43:16:39	113	22m	
72	COMP			↑		
73	Sn 2006 ct	17:01:03.6	33:28:45	2	20m	PA=-20
74	COMP			↑		
75	135342p37200-a	15:55:53	37:11:47	113	12m	
76	COMP			↑		
77R	V914Sgr	19:02:15	-16:59:56	12	20/200	
79	COMP			↑		
80/81	CM Aq1	19:03:55	-3:02:14	12	20/200	

High Telescope Log  
 Observer: A Mahdavi  
 PI: Kenyon

Spectrograph: EAST  
 Grating: 300  
 Date: July 6 2000  
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Number	Object	R.A.	Dec.	LIR	Exp	Comments
82	COMP			↑		
83,84	He2m467	20:35:57	30:11:27	12	200 600	
85	COMP			↑		
86,87	He2m468	20:41:19	31:44:53	12	200 600	
88	COMP			↑		
89,90	V1329 Cyg	21:51:01	39:39:55	12	20 120	
91	COMP			↑		
92	id122	20:06:11	35:41:28	115	5 <sup>m</sup>	
93	COMP			↑		
94	id1720	20:06:12	35:50:10	115	4 <sup>m</sup>	
95	COMP			↑		
96	id86	20:06:12	35:45:01	115	3.5 <sup>m</sup>	
97	COMP			↑		
98	id1717	20:06:12	35:50:10	115	3.5 <sup>m</sup>	
99	COMP			↑		
100	id129	20:06:13	35:49:47	115	2 <sup>m</sup>	
101	COMP			↑		
102	id1707	20:06:13	35:54:32	115	4 <sup>m</sup>	
103	COMP			↑		
104	id130	20:06:14	35:51:14	115	2.5 <sup>m</sup>	
105	COMP			↑		
106	id117	20:06:14	35:28:03	115	2 <sup>m</sup>	
107	COMP			↑		
108	id118	20:06:14	35:37:51	116	2 <sup>m</sup>	
109	COMP			↑		
110	id119	20:06:14	35:38:55	115	3 <sup>m</sup>	
111	COMP			↑		
112	id1689	20:06:15	35:45:26	115	3 <sup>m</sup>	
113	COMP			↑		
114	id1691	20:06:15	35:54:30	115	4 <sup>m</sup>	





Inch Telescope Log  
 Observer: V. Berline  
 PI: \_\_\_\_\_

Spectrograph: FAST  
 Grating: 30R  
 Date: 7/8/00

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Number	Object	R.A.	Dec.	L.H.	L.P.	Comments
1-10	BIENS				0s	
11-20	FLAT				7s	
21-30	BIENS				0s	
31-40	FLAT				14s	partly cloudy
41-45	sky	South		56	4s	
46	COMP			↑		
47-50	N41151	12.	-39		20-90s	pec.
51	COMP					
52-53	MRK279	13-51	+69	6	2.2m	
54	COMP			↑		
55-56	N5548	14.	+25	6	3m	
57				↑		
58-59	H294	13-21	+38	20	2m	
60	COMP			↑		
61	135342p372a	13-53	+37	113	15m	
62	COMP			↑		
63	135342 b	"	"	113	20m	clouds. weak. reds!
64	COMP			↑		
65,67	SN2000cs	16-22	+39	2	22m	PA=90
66,68	COMP			↑		
69,71	SN2000cn	17-57	+27	2	22m	PA=90
70,72	COMP			↑		
73	id225 376	2006	+35-35	115	30s	
74	377			115	2m	
75	COMP			↑		
76	374			115	3m	
77	379			115	30s	
78	COMP			↑		
79	380			115	5m	
80	381			115		

Inch Telescope Log

Spectrograph: EAST

Grating: 702

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Date: 7/8/00

Observer: PB  
 PI: Baly

Number	Object	R.A.	Dec.	L.M.	Exp	Comments
81	COMP	20:05	+35	115		
82	382	↓	↓	↓	5m	clouds
83	383	↓	↓		5m	
84	COMP					
85	387				5m	
86	385				7m	
87	COMP					
88	384				6m	
89	387				6m	
90	COMP					
91	388				6m	
92	389				7m	
93	COMP					
94	2M190836.16	19:09	+15:19	68	5m	
95	COMP			↑		
96	2M191017.5	19	+14:57	68	7m	can't find ex
97	COMP			↑		
98	2M191155	19:11	+33	68	6m	
99	COMP			↑		
100	2M192506	19:25	-01	68	4m	
101	COMP			↑		
102	2M192520	19	-02:08	68	7m	clouds
103	COMP			↑		
104	2M193015.1	19:30	-03:00	68	8m	
105	COMP			↑		
106	2M193030	19:30	-03:28	68	6m	
107	COMP			↑		
108	2M193052	19:30	-03:37	68	8m	
109	COMP			↑		

Inch Telescope Log  
 Observer: PB  
 PI: SPH

Spectrograph: FAST  
 Grating: 300R  
 Date: 7/8/00

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Number	Object	R.A.	Dec.	L/H	Exp	Comments
110	ZM1939018	19:39	+754	68	10m	
111	WMP			f		
112	ZM193946	19:39	+75	68	3m	
113	WMP			f		
114	ZM19407	19:	+70	68	4m	+s 1+r
115	WMP			f		
116	ZM194028	19:40	+41	68	15m	
117	WMP			f		
118	ZM194115	19:41	+41	68	12m	
119	WMP			f		
120	ZM201577	22:15	+77	68	3m	
121	WMP			f		
122	ZM201543	22:15	+77	68	2m	
123	WMP			f		
124	ZM201	22:	+77	68	2m	
125	WMP			f		
126	ZM201622	22	+77	68	2m	
127	WMP			f		
128	ZM20170	22	+77	68	2m	
129	WMP			f		
130	ZM202020	22:20	+75	68	2m	
131	WMP			f		
132	ZM202030	22:20	+41	68	3m	
133	WMP			f		
134	ZM202047	22:20	+41	68	3m	
135	WMP			f		
136	ZM202059	22:20	+41	68	4m	
137	WMP			f		
138	ZM202060	22:20	+75	68	2m	
139	WMP			f		

Inch Telescope Log

Spectrograph: FAST

Coating: 302R

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Observer: PB

Date: 7/8/00

PI: JPH

Number	Object	R.A.	Dec.	L/M	Exp	Comments
140	ZM2228426	22:28	+36:29	68	4m	
141	COMP			f		clouds.
142	ZM222912	22:29	+36	68	2m	
143	COMP			f		
144	ZM222911	22:29	+39	68	2m	
145	COMP			f		
146	ZM222913	22:29	+38	68	3m	
147	COMP			f		
148	ZM22	22:29	+38	68	6m	
149	COMP			f		
150	ZM222910	22:29	+40	68	3m	
151	COMP			f		
152	ZM222918	22:29	+39	68	3m	
153	COMP			f		
154	ZM222919	22:28	+39	68	2m	
155	COMP			f		
156	ZM222911EW	22	+36	68	6m	PA=75 E+W comp
157	COMP			f		
158	ZM222831	22:28	+46	68	2m	
159	COMP			f		
160	ZM222919	22:29	+47	68	3m	
161	COMP			f		
162	ZM222902	22:28	+43	68	2m	
163	COMP			f		
164	ZM22	22:28	+47	68	5m	
165	COMP			f		
166	AKN 567	22:40	+29	6	5m	
167	COMP			f		
168	N 79169	22:05	+08:52	6	25m	
169	COMP			f		



Inch Telescope Log  
 Observer: P. Bertmel  
 Spectrograph: FAST  
 Grating: 3WR, 7" slit  
 Date: 7/9/00  
 Page: 9/80

Number	Object	R.A.	Dec.	L/H	Lip	Comments
1-10	BIAS					
11-20	FLAT					
21-30	BIAS					
31-40	FLAT					
41-50	SKY	zenith		57	3s	
46	COMP			↑		
47-49	N4151	12:00	+39	6	20s	
50	COMP			↑		
51	M4051	12:00	+40	6	2m	
52	COMP			↓		
53-54	H294	12	+70	56	90s	PA = 90
55	COMP			↑		
56-57	XTE 1148	11:48	+148	65	5m	
58	COMP			↓		clouds increasing
59-60	XTE 1148			65	5m	
61	COMP			↓		
62-63	XTE 1148			65	5m	
64	COMP			↓		
65-66	XTE 1148			65	3m	
67	COMP			↑		
68-69	TXCWA	12:45	+33	12	1m	
70	COMP			↑		
71-72	HD 116842			87	2s	2" slit ↓
73	COMP			↑		
74-75	HD 123299			87	2s	
76	COMP			↑		
77-78	HD 125162			87	2s	
79	COMP			↑		
80-81	HD 140157			87	2s	

Inch Telescope Log  
 Date: PB  
 PI: Megasth / Fano  
 Spectrograph: FAST  
 Grating: 302R  
 Date: 7/9/00  
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Number	Object	R.A.	Dec.	L/H	Exp	Comments
82	COMP			↑		2" slit ↓
83-84	HD 146575			87	2s	
85	COMP			↑		
86-87	HD 148743			87	2s	
88	COMP			↑		
89-90	HD 147084			87	2s	
91	COMP			↑		
92-93	HD 163296			87	2s	
94	COMP			↑		
95-96	HD 164514			87	2s	
97	COMP			↑		
98-99	HD 161568			87	2s	
100	COMP			↑		
101-102	HD 170773			87	2s	
103	COMP			↑		
104	SN 2000cs	16	+70	2	10m	sucker hole over head 3" slit ↓
105	COMP			↑		2m stopped short
106	ZM 1941283	19:41	+72	68	5m	
107	COMP			↑		
108	ZM 194235	19:42	+72	68	4m	wk
109	COMP			↑		
110	ZM 194419	19:44	+74	68	5m	
111	COMP			↑		
112	ZM 1944	19:46	+78	68	6m	close pair w/ 1st got good
113	COMP			↑		
114	ZM 194643	19:46	+72	68	5m	another close pair
115	COMP			↑		
116	ZM 194702.7	19:47	+72	68	4m	
117	COMP			↑		



Inch Telescope Exp. Spectrograph: F45  
 Ob. server: PB Grating: 302 Page: 868  
 PI: Balvy Date: 7/9/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
117	ZM194776	19:47	+42	68	5m	
119	COMP			f		
120	ZM195048	19:50	+19	68	8m	
121	COMP			f		
122	ZM195711.7	19:57	+47	68	5m	
123	COMP			f		
124	ZM195555	19:59	+42	68	4m	→ last ex until sept.
125	COMP			f		still some clouds to N+E
126	SN2000en	17:57	+27	2	20m	ok. → my last SN until Sept ??!!
127	COMP			f		
128	390	20:06	+75	115	30s	122
129	391	↓	↓	115	3m	
130	COMP			↓		
131	392	↓	↓	115	30s	
132	393			115	30s	
133	COMP			↓		
134	394			115	3m	
135	395			115	70s	
136	COMP			↓		
137	396			115	3m	
138	397			115	2m	
139	COMP			↓		
140	398			115	2m	
141	399			115	3m	
142	COMP			↓		
143	400			115	2m	
144	401			115	3m	
145	COMP			↓		
146	402			115	90s	
147	403			115	150s	

Inch Telescope Log: PB  
 Job order: Dalry  
 PI: \_\_\_\_\_

Spectrograph: FAST  
 Grating: 302  
 Date: 7/19/00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
148	COMP			I		more clouds.
149	407	20:02	+35	115	3m	
150	405	↓	↓	115	3m	
151	COMP			I		
152	406	↓	↓	115	3m	
153	407			115	30s	(oops, accidentally delete) @ end of night 10:20
154	COMP			↓	3m	
155	408			↓	4m	
156	409					
157	COMP					
158	410				3m	
159	411				3m	
160	COMP					
161	412				30s	
162	413				3m	
163	COMP					
164	414				5s	
165	415				2m	
166	COMP					
167	416				45s	
168	417				3m	
169	COMP					
170	418				60s	
171	419				2m	
172	COMP					
173	420				30s	
174	421				2m	
175	COMP					
176	422				60s	
177	423					

100 inch Telescope Log  
 Observer: PB  
 PI: Bulky

Spectrograph: FAST  
 Grating: 302  
 Date: 7/9/00

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Number	Object	II A	Per.	LFB	Exp	Comments
178	COMP			↓		
179	424	20.6	+35	115	2m	
180	425			115	2m	
181	COMP	↓	↓	↓		
182	426				4m	
183	427				5m	
184	COMP					
185	428				5m	
186	429				5m	
187	COMP					
188	430				5m	
189	431				4m	
190	COMP					
191	432				5m	
192	433				5m	
193	COMP					
194	434				3m	
195	435				4m	
196	COMP					
197	436				3m	
198	437				5m	
199	COMP					
200	438				2m	
201	439				5m	
202	COMP					
203	440				4m	
204	441				5m	
205	COMP					
206	442				5m	
207	443				2m	

Inch Telescope Log  
 Object: PB  
 PI: Baty  
 Spectrograph: FAST  
 Grating: 302  
 Date: 7/9/00  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
206	COMP			↑		
209	444	20:06	+75	115	5m	increasing clouds
210	445			115	5m	again
211	COMP	↓	↓	↓		
212	446				3m	
213	447				3m	
214	COMP					
215	448				1m	
216	449				3m	
217	COMP					quite lots of clouds
218	450				6m	
219	451				10m	
220	COMP					
221	452				5m	
222	453				9m	
223	COMP					
224	454				9m	
225	455				8m	
226	COMP					
227-8	BD 254211	21:48	+21	56	5m	
229	COMP			↑		
230-2	HD 217066	22:55	+62	56	45	
233	COMP			↑		
234-7	FLAT				7s	
						2 <sup>nd</sup> slit
2445	HD 187983	19:52	+24	87	46	
246	COMP			↑		
247-7	HD 196377	20:31	+51	87	46	
249	COMP			↑		



★ First data of FAST Run ★

Inch Telescope: 48  
 Observer: P Berlin  
 PI: K+P+FH

Spectrograph: FAST  
 Grating: 6002, 2" slit  
 Date: 7/23/00

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Number	Object	R.A.	Dec.	L.P.N.	Exp.	Comments
120	BIAS				0s	
2140	FLAT				30s	6002, tilt=97.6, 2" slit ↓
41-45	sky	zenith		88	5s	"em" setup
46	WAP			↑		
47	SN2002V	12:15	+61	2	10m	still lots of clouds.
48	WAP			↑		
49-50	MF0077	14:11	+75	88	8m	PA=95
51	WAP			↑		
52-53	MF0055	14:33	+70	88	8m	PA=55
54	WAP			↑		correct linear ✓/rec!
55-56	MF0077	14:40	+78	88	8m	PA=40
57	WAP			↑		script says no objects available; checked from 9:30-1:30
58-59	BD0332C	15:50	+33	88	2m	PA=90 local time: 9:20
60	WAP			↑		
61	PG1706402	17:09	+60:10	88	12m	
62	WAP			↑		
63-72	FLAT				30s	"em" tilt ↑
73-77	FLAT			88	55s	switch to "abs" tilt
78-79	HD147025	16	+30	84	1m	tilt=49.60 2" slit PA=102.5 ↓
80	WAP			↑		
81-82	HD147677	16	+30	88	1m	clear.
83	WAP			↑		
84-85	HD152224	16	+30	88	1m	
86	WAP			↑		
87-88	HD155344	17	+26	88	1m	
89	WAP			↑		
90-91	MF4084	15:46	+32	88	10m	PA=15
92	WAP			↑		randomizer chooses gals ⊖ +4h or -4h HA neither of which is a good option

Inch Telescope Log  
 Observer: PB  
 PI: K&D.H.F  
 Spectrograph: FAST  
 Grating: 6000. 2" slit  
 Date: 7/23/02  
 Page: 6707

Number	Object	R.A.	Dec.	L/H	Exp	Comments
93-94	HD 156775	18	+70	88	1m	randomizer script says no gals available within +/- limits
95	COMP			↑		
96-98	HD 158974	18	+70	88	1m	
98	COMP			↑		
99-100	HD 158974?	18	+70	88	1m	
101	COMP			↑		
102-3	HD 192752	18	+70	88	1m	
104	COMP			↑		
105	BDP 04032	20	+40	84	2m	
106	COMP			↑		
107-109	HD 192251	20	+40	88	10s	
110	COMP			↑		thin clouds.
111-112	BDP 25924	21	+28	88	1m	
113	COMP			↑		
114-115	N7371	22-31	+51	88	3m	PA=-09
116	COMP			↑		
117-118	N7371	"	"	88	5m	PA=-09
119	COMP			↑		
120	COMP			↓		
121,23	MF 3052	2244	+15:52	88	20m	PA=33
124	COMP			↑		
125	COMP			↓		
126,28	MF 3059	2300	+15	88	15m	PA=50
129	COMP			↑		
130	COMP			↓		
131,20	MF 3262	2352	+21	88	12m	PA=-06
134	COMP			↑		
135	COMP			↓		
136,7,8	MF 2185	01:11	+31:56	88	10m	PA=-10 * to "E"
139	COMP			↑		

Inch Telescope Log  
 Observer: PB  
 PI: K&P-H&F

Spectrograph: EAST  
 Grating: 6000  
 Date: 7/23/00

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Number	Object	H A	Dec.	L/R	Exp	Comments
M01	M32	02-39	+40	88	3m	PA=-10
M2	COMP			f		
M3	COMP			h		
M456	M2148	01-01	+7008	88	10m	PA=-25
M7	COMP			f		
M8-14	M2250	01-35	+71	88	9m	PA=-05
15	COMP			f		
151-2	NGC1023	02-31	+74	88	4m	PA=87
159	COMP			f		
159-163	FLAT				55s	
164-173	ISMS				0s	thin clouds @ dawn
174-182	DARK				20m	



Inch Telescope Log

Observer: CALISTO

Spectrograph: FAST

Grating: 300L

Page: 8709

PI: Ally Kenyon

Date: 7/24/00

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	overcast @ sunset
41-50	FLAT				12s	
51, 52	B Dp 532642	15 57	32 56	#56	1m	Thin clouds
53	comp			↑		
54, 55	B Dp 532642	15 57	32 56	#56	1m	
56	comp			↑		
57	NS 866	15 06	55 45	#57	3m	Just lane
58	comp			↑		
59	NS 866	15 06	55 45	#57	3m	
60	comp			↑		
61, 62	HD 154791	17 06	23 58	#12	1, 10s	
63	comp			↑		
64, 65	Hen 1341	17 08	-17 26	#12	30/100	
66	comp			↑		
67	Draco Cl	17 20	57 50	#12	12m	
68	comp			↑		
69, 70	Mim 21	17 34	-19 09	#12	10/100	row 75
71	comp			↑		
72, 73	RT Ser	17 39	-11 56	#12	10/100	
74	comp			↑		
75, 76	UL Ser	17 39	-11 56	#12	30/100	
77	comp			↑		
78-80	XXoph	17 43	-6 15	#12	1/5/10	
81	comp			↑		
82, 83	RSoph	17 50	-6 42	#12	5/100	
84	comp			↑		
85, 86	V2416 Ser	17 57	-21 41	#12	20/100	

Inch Telescope Log

Spectrograph: FAST

Observer: GALYSAI

Grating: 300L

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PI: Kenyon, W. V. & Hudra

Date: 7/24/00

Number	Object	R.A.	Dec.	L.F.N.	Exp.	Comments
87	comp			↑		
88, 89	A5270	18 05	-20 20	#12	30/100	
90	comp			↑		
91, 92	Her 1591	18 07	-25 53	#12	30/20	
93	comp			↑		
94, 95	A5289	18 12	-11 39	#12	5/10	
96	comp			↑		
97, 98	VY Her	18 14	-20 59	#12	20/100	
99	comp			↑		
100, 101	5149	18 18	-27 26	#12	10/90	
102	comp			↑		
103, 104	V443 Her	18 22	-23 27	#12	20/100	
105	comp			↑		
106	RT 105	18 35	-1 46	#12	6000s	
107	comp			↑		
108	MRK 509	20 44	-10 03	#6	3m	
109	comp			↑		
110	AKN 564	22 42	-29 45	#6	5m	
111	comp			↑		
112	N7469	23 07	-8 52	#6	2.5m	Row 70
113	comp			↑		
114	2M232147	23 21	-43 59	#68	7m	
115	comp			↑		
116	2M233152	23 31	-44 49	#68	3m	
117	comp			↑		
118	2M233626	23 36	-50 16	#68	9.0s	Row 70, stellar?
119	comp			↑		
120	2M234321	23 43	-50 27	#68	3.5m	
121	comp			↑		
122	2M234357	23 43	-45 24	#68	2m	

Inch Telescope Log  
 Observer: Carl Weiss  
 PI: Hutchings, Mahdavi

Spectrograph: FAST  
 Grating: 2006  
 Date: 7/24/00

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Number	Object	R.A.	Dec.	L.H.	Exp	Comments
123	comp			↑		
124	2M000358	00 03	51 46	#68	4m	Few 70
125	comp			↑		
126	2M000357	00 03	51 43	#68	4m	Thru clouds
127	comp			↑		
128	2M000373	00 27	45 34	#68	4m	↓
129	comp			↑		
130	2M000362	00 26	49 00	#68	3m	
131	comp			↑		
132	2M005129	00 51	52 05	#68	5m	Few 70
133	comp			↑		
134	2M005836	00 58	51 37	#68	4m	Few 70
135	comp			↑		
136	2M005857	00 58	52 56	#68	4.5m	
137	comp			↑		
138	2M005852	00 59	52 36	#68	5m	Few 70
139	comp			↑		
140	2M005956	00 59	47 46	#68	4m	
141	comp			↑		
142	596037-10	23 24	3 21	#59	15m	Few 70
143	comp			↑		
144	596037-11	23 24	3 06	#59	20m	
145	comp			↑		
146	596037-12	23 24	4 20	#59	20m	
147	comp			↑		
148	596037-014	23 24	2 42	#59	20m	
149	comp			↑		
150	596037-015	22 24	3 17	#59	11m	
151	comp			↑		
152	596037-016	23 24	4 24	#59	13m	

Inch Telescope Log

Spectrograph: FAST

Observer: CAUGHEY

Grating: 300L

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PI: Mahdavi, Ali

Date: 7/24/00

Number	Object	R.A.	Dec.	LHA	Exp	Comments
153	comp			9		
154	SDO 27-17	23 25	28 51	#59	17m	clouds for the last 5 min. Get again? <span style="float:right">reds</span>
155	comp			↑		
156	BD 281211	21 51	28 57	#56	20s	
157	comp			↑		
158	BD 281211	21 51	28 51	#56	20s	
159	comp			↑		
160-164	sky	1:12	28:51	#57	2s	
165	comp	1:15:19	28:51	↑		
166-175	BIAS				0s	
176-185	FLAT				6s	
186-195	BIAS				0s	
196-205	FLAT				12s	
206-215	DARK				15m	

comp file 165 did NOT match sky ra+dec - used anyway - but beware of these skys for velocity calc.

Inch Telescope Log  
 Observer: CALVINUS Balog  
 PI: Ally, Kirshner, Brown, Wilkes  
 Spectrograph: FAST  
 Grating: 300C  
 Date: 7/25/00  
 Page: 8713

Number	Object	R.A.	Dec.	L/H	Lat	Comments
1-10	DARK				15m	
11-20	DARK				0s	
21-30	FLAT				6s	
31-40	FLAT				0s	storms @ sunset
41-50	FLAT				12s	
51	HZ44	13 23	26 08	#56	2m	stable hole overhead
52	comp			↑		
53	HZ44	13 23	26 08	#56	2m	
54	comp			↑		
55	HZ44	13 23	26 08	#56	2m	PA=81
56	comp			↑		
57	SN2000WV	12 15	61 53	#2	15m	PA=92° Type IA Row.70
58	comp			↑		
59	SS3214	12 00	29 26	#114	20m	too faint to redid searching for holes
60	comp			↑		
61	N5548	14 18	25 08	#6	5m	
62	comp			↑		wait out clouds
63	SN2000CJ	19 24	-25 59	#2	17m	PA=-9.0, Type IA
64	comp			↑		
65	id1369	20 04	35 36	#115	3m	
66	comp			↑		
67	id1370	20 06	35 48	#115	5m	
68	comp			↑		
69	id1358	20 06	35 36	#115	5m	
70	comp			↑		
71	id1359	20 06	35 52	#115	3m	
72	comp			↑		
73	id1349	20 06	35 40	#115	5m	
74	comp			↑		
75	id1347	20 06	35 40	#115	4m	Row = 67

Inch Telescope Log

Spectrograph: FAST

Filter: CALYONS

Grating: 300L

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PI: Balog

Date: 7/25/00

Number	Object	D.A.	Dec.	LHA	Exp	Comments
76	comp				↑	
77	id 1344	20 06	35 46	#115	5m	
78	comp			↑		
79	id 1343	20 06	35 46	#115	3m	
80	comp			↑		
81	id 1345	20 06	35 52	#115	5m	
82	comp			↑		
83	id 1336	20 07	35 34	#115	5m	
84	comp			↑		
85	id 215	20 07	35 39	#115	100s	
86	comp			↑		
87	id 1327	20 07	35 41	#115	5m	
88	comp			↑		
89	id 1316	20 07	35 38	#115	4m	
90	comp			↑		
91	id 1317	20 07	35 48	#115	3m	
92	comp			↑		
93	id 1311	20 07	35 55	#115	2m	
94	comp			↑		
95	id 1299	20 07	35 38	#115	4m	
96	comp			↑		
97	id 1298	20 07	35 40	#115	2.5m	Row = 68
98	comp			↑		
99	id 1295	20 07	35 37	#115	2.5m	
100	comp			↑		
101	id 1297	20 07	35 56	#115	90s	
102	comp			↑		
103	id 1292	20 07	35 43	#115	3.5m	
104	comp			↑		
105	id 1290	20 07	35 41	#115	5m	

60 inch Telescope Log

Observer: CALVIN

PI: Paolog, Mahdavi

Spectrograph: FAST

Grating: 300L

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Date: 7/25/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
106	comp			↑		
107	id1288	20 07	35 51	#115	5m	
108	comp			↑		
109	id1282	20 07	35 38	#115	4m	
110	comp			↑		
111	id1283	20 07	35 48	#115	3m	
112	comp			↑		
113	id1269	20 07	35 56	#115	5m	
114	comp			↑		
115	id1266	20 07	35 38	#115	5m	
116	comp			↑		
117	id1283	20 07	35 39	#115	3m	
118	comp			↑		
119	id1262	20 07	35 52	#115	2.5m	
120	comp			↑		
121	id1260	20 07	35 49	#115	5m	
122	comp			↑		
123	id1243	20 07	35 50	#115	4m	
124	comp			↑		
125	id1238	20 07	35 39	#115	4m	
126	comp			↑		
127	id1230	20 07	35 49	#115	4.5m	
128	comp			↑		
129	id1232	20 07	35 53	#115	5m	
130	comp			↑		
131	id1228	20 07	35 45	#115	4.5m	
132	comp			↑		
133	sp6057-006	23 23	3 05	#59	20m	
134	comp			↑		
135	sp6057-009	23 24	3 17	#59	10m	

60 Inch Telescope Log  
 Observer: CAUSAS All  
 PI: Maldau, Kirchner, Huchra  
 Spectrograph: FAST  
 Grating: 300L Page: 8716  
 Date: 7/25/00

Number	Object	R. A.	Dec.	L/R	Exp	Comments
136	comp			↑		
137	scrb037.017	23 25	2 52	159	20m	
138	comp			↑		
139	scrb037.018	23 25	3 13	159	20m	
140	comp			↑		
141	sn2000aw	23 47	28 23	112	20m	PA = -12, Type IA
142	comp			↑		
143-145	sn2000cx	1 24	9 31	152	5m	PA = -36, Row 70, another type IA!
146	comp			↑		
147	sn010256	1 02	51 20	168	3m	
148	comp			↑		
149	BDP284211	21 51	28 52	156	30s	
150	comp			↑		
151	BDP284211	21 51	28 52	156	30s	PA = 72°
152	comp			↑		
153	BDP284211	21 51	28 52	156	30s	
154	comp			↑		
155	M31	00 42	41 16	157	60s	
156	comp			↑		
157	M31	00 42	41 16	157	60s	
158	comp			↑		
159-163	sky			157	2s	
164	comp			↑		
165-174	BIAS				0s	
175-184	FLAT				6s	
185-194	BIAS				0s	
195-204	FLAT				12s	
205-214	DARK				15m	



60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>8717</u>		
Observer: <u>CAULFIELD</u>		Grating: <u>200</u>		Date: <u>7/26/00</u>		
PI: <u>Allen, Kirshner</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BIAS				05	
21-30	FLAT				60	
31-40	BIAS				05	
41-50	FLAT				120	
51,52	BDP 284211	21 51	28 51	#56	205	
53	comp			↑		
54,55	DDP 284211	21 51	28 51	#56	205	PA=72°
56	comp			↑		
57-59	SM2000CX	01 24	9 31	#2	5m	PA=-51
60	comp			↑		
61	id1218	20 07	35 53	#115	3m	
62	comp			↑		
63	id1215	20 01	35 40	#115	5m	Row 70
64	comp					clouds are back!
65-74	DARK				15m	

<p>60 inch Telescope Log</p> <p>Observer: <u>GROO</u></p> <p>PI: <u>GROO</u></p>	<p>Spectrograph: <u>FAST</u></p> <p>Grating: <u>1200 l/mm</u></p> <p>Date: <u>27/7/2000</u></p> <p style="text-align: right;">Page: <u>8718</u></p>
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Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-4	COMP	-	-		10	Try out 1200 grating
5-14	BIAS				0	Window 2.720x121x2, 2"
15	FLAT				60	For P. Groo setup
16-35	FLAT				180	" "
36-40	DARK				900	" "
41-50	"				900	3" slit, 300 l/mm
<p><i>No further observations due to bad weather.</i></p>						

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>8719</u>	
Observer: <u>Groot</u>			Grating: <u>300/1200</u>		Date: <u>28/07/2000</u>	
PI: <u>Groot</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0	300/13" / Binley 2
11-30	FLAT				12	Binley 2
31-40	BIAS				0	300/13" / Binley 4
41-60	FLAT				6	Binley 4
61	COMP				6	Binley 4
62	COMP				12	Binley 2
63-67	DARK				900	"
68-72	DARK				900	Binley 4
No observations.						
						