

60 inch Telescope Log		Spectrograph: <u>FAST</u>		Page: <u>7642</u>		
Observer: <u>Calvin</u>		Grating: <u>30026</u>		Date: <u>10/13/99</u>		
PI: <u>Bill Garcia, Huila</u>						
Number	Object	R.A.	Dec	L/R	Exp	Comments
1-2	Dark				15m	
3-12	BIAS				0s	
13-22	FLAT				7s	
23-32	BIAS				0s	
33-42	FLAT				19s	
43, 44	BDP 284211	21 51	28 51	#56	30s	
45	comp			↑		
46-48	BDP 284211	21 51	28 51	#56	30s	PA = 75°
49	comp			↑		
50	SC3902	18 42	79 45	#6	10m	
51	comp			↑		
52	XTE J1858p22	18 58	22 39	#65	15m	PA = 52°, Ring 2
53	comp			↑		
54	V4641 Sgr	18 19	-25 24	#65	10m	
55	comp			↑		
56	MRK 509	20 44	-10 41	#6	3m	
57	comp			↑		
58	Akn 569	22 42	29 43	#6	5m	
59	comp			↑		
60	N7469	23 03	08 52	#6	2.5m	star west
61	comp			↑		
62	XTE J1858p22	18 58	22 39	#65	15m	PA = 65°
63	comp			↑		
64	V4641 Sgr	18 19	-25 25	#65	10m	
65	comp			↑		
66	2M223902	22 39	29 22	#68	4m	
67	comp			↑		
68	2M223913	22 39	13 18	#68	5m	
69	comp			↑		
70	2M223920	22 39	22 45	#68	7m	

DATA REDUCED IN TWO SETS (BEFORE + AFTER GRATING CHANGE)

## 60 inch Telescope Log

Observer: CALDWELLPI: Huehna GarciaSpectrograph: FASTGrating: 200LPage: 7643Date: 10/13/99

Number	Object	R. A.	Dec.	L/R	Exp	Comments
71	comp			↑		
72	ZM224047	22 40	25 00	#68	2m	
73	comp			↑		
74	ZM224237	22 42	19 55	#68	4m	
75	comp			↑		
76	ZM224339	22 43	23 56	#68	4m	Row = 80
77	comp			↑		
78	ZM224342	22 43	19 30	#68	4m	
79	comp			↑		
80	XTE J1858.2	18 58	22 39	#65	15m	PA = 60°, Row = 80
81	comp			↑		
82	ZM224344	22 43	20 19	#68	3m	
83	comp			↑		
84	ZM224344	22 43	20 19	#68	6m	- center of above
85	comp			↑		
86	ZM224357	22 43	23 50	#68	4m	Double peaked
87	comp			↑		
88	ZM224522	22 45	21 12	#68	6m	Row 80
89	comp			↑		
90	ZM224926	22 49	24 48	#68	6m	
91	comp			↑		
92	ZM224944	22 49	24 48	#68	6m	
93	comp			↑		
94	ZM225009	22 50	19 00	#68	5m	
95	comp			↑		
96	ZM225104	22 51	18 51	#68	7m	
97	comp			↑		
98	ZM225424	22 54	19 12	#68	4m	
99	comp			↑		
100	ZM225430	22 54	19 13	#68	3m	

60 inch Telescope Log				Spectrograph: FAST		
Observer: <u>Cox, Kins</u>				Grating: <u>3000/6000</u>		Page: <u>7644</u>
PI: <u>Rubins, Rines, Kirshner, KDK</u>				Date: <u>10/13/99</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
101	comp			↑		
102	2m225446	22 54	29 17	#68	3m	
103	comp			↑		
104	2m225653	22 57	63 07	#55	15m	(stellar?) #
105	comp			↑		
106	2m225659	22 57	60 42	#68	17m	Row - 40 (stellar?) #
107	comp			↑		
108	sn1999ef	00 58	12 44	#2	20m	PA = 0°
109	comp			↑		
110	sn1999dq	02 33	21 00	#2	20m	PA = 54°, Row - 80°
111	comp			↑		
112	g119-265	01 01	-2 50	#64	20m	
113	comp			↑		
114	g119-266	01 05	01 27	#64	12m	
115	comp			↑		
116	g119-267	01 03	-3 47	#64	11m	
117	comp			↑		
118	g119-268	00 48	01 29	#64	4m	
119	comp			↑		
120	g119-270	00 51	-4 23	#64	4m	
121	comp			↑		
122	g119-271	01 05	-01 11	#64	6m	
123	comp			↑		
124	g119-272	00 44	-01 31	#64	12m	
125	comp			↑		
126	255Ap1952	2 55	19 09	#110	15m	600 lpm, 2" slit
127	comp			↑		tilt = 74°, focus =
128	2550p1952	2 55	19 52	#110	15m	1140
129	comp			↑		
130	2543Sp1952	2 54	19 52	#110	12m	

106 - clearly a star - does no one look at finding charts??

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>7645</u>
Observer: <u>WALKERS</u>				Grating: <u>600L/800L</u>		
PI: <u>Wolk, Calvet</u>				Date: <u>10/13/99</u>		
131	comp					
132	25724p2018	2 57	20 18	#110	15m	
133	comp			↑		
134	25601p1958	2 56	19 58	#110	15m	
135	comp			↑		
136	25724p2018	2 57	20 18	#110	15m	
137	comp			↑		
138	25814p2022	2 58	20 22	#110	15m	
139	comp			↑		
140	25619p1951	2 56	19 51	#110	15m	
141	comp			↑		
142	25459p1953	2 55	19 52	#110	15m	
143	comp			↑		
144-153	FLAT				14s	
154	gusomb65242	5 48	-1 28	#112	12m	300L, 3" slit, tilt=610, focus=1120
155	comp			↑		PA=0
156	gusomb61337	5 52	-00 26	#112	4m	
157	comp			↑		
158	gusomb49389	5 53	-1 55	#112	4m	↓
159	comp			↑		
160	gusomb57063	5 53	00 07	#112	8m	
161	comp			↑		
162	gusomb58675	5 55	-00 09	#112	5m	
163	comp			↑		
164	gusomb64940	5 55	-00 34	#112	6m	
165	comp			↑		
166	Hiltner600	6 45	2 09	#56	45s	PA = 90°
167	comp			↑		
168	Hiltner600	6 45	2 09	#56	45s	↓
169	comp			↑		

60 inch Telescope Log

Spectrograph: FAST

Observer: CALKINS

Grating: 300L

Page: 7646

PI: A11

Date: 10/15/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
170	HDS 2971	7 01	27 09	P57	4s	
171	comp			↑		
172-176	sky			P57	2s	
177	comp			↑		
178-187	Bias				0s	
188-197	FLAT				7s	
198-207	Bias				0s	
208-217	FLAT				14s	
218-227	DARK				15min	