

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>CALKINS</u>		Grating: <u>3006</u>			Page: <u>6352</u>	
PI: <u>KIRSNER, MAHADE</u>		Date: <u>6/20/98</u> 98(6e)				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS				0s	Binby 4
11-20	FLAT				0s	↓
21-30	BIAS				0s	Binby 2
31-40	FLAT				17s	↓
41-45	sky			#57	60s	Binby 4
46	comp			↑		↓
47-48	HZ 44	13 26	36 08	#56	2m	Binby 4
49	comp			↑		↓
50-51	HZ 44	13 23	36 08	#56	2m	Binby 2
52	comp			↑		↓
53-55	sn1998bu	10 46	11 50	#2	5m	↓
56	comp			↑		
57	sn1998og	11 56	55 07	#2	15m	galaxy to east
58	comp			↑		
59	sn1997eg	13 11	22 55	#2	20m	star to east
60	comp			↑		
61	N4051	12 03	44 31	#6	30s	Binby 4
62	comp			↑		↓
63	MRK 279	13 53	69 18	#6	3m	
64	comp			↑		
65	SBS1425p02	14 26	60 25	#6	10m	
66	comp			↑		
67	M5548	14 17	25 07	#6	3m	
68	comp			↑		
69	Feige 98	14 38	27 29	#56	2m	
70	comp			↑		
71	ngc385.032	16 17	34 57	#59	15m	
72	comp			↑		
73	ngc385.034	16 17	35 07	#59	5m	
74	comp			↑		

used 1.1" flats from 6/22/98

60 inch Telescope Log		Spectrograph: <u>Fast</u>				
Observer: <u>CALYENS</u>		Grating: <u>3006</u>			Page: <u>6353</u>	
PI: <u>MANDAVI,</u>		Date: <u>6/20/64 98(ke)</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
75	nrgs 385.035	16 17	34 49	#59	5m	
76	comp			↑		
77	nrgs 385.039	16 17	35 08	#59	4m	
78	comp			↑		
79	nrgs 385.040	16 17	35 03	#59	4m	star to the west
80	comp			↑		
81	nrgs 385.041	16 17	35 00	#59	5m	
82	comp			↑		
83	nrgs 385.043	16 17	35 05	#59	4m	
84	comp			↑		
85	nrgs 385.044	16 17	35 10	#59	5m	
86	comp			↑		
87	nrgs 385.045	16 17	34 49	#59	5m	
88	comp			↑		
89	nrgs 385.046	16 17	35 09	#59	20m	
90	comp			↑		
91	nrgs 385.047	16 17	35 14	#59	4m	star to the east
92	comp			↑		
93	nrgs 385.048	16 17	35 38	#59	15m	
94	comp			↑		
95	nrgs 385.049	16 17	35 06	#59	5m	
96	comp			↑		
97	nrgs 385.050	16 18	35 16	#59	5m	
98	comp			↑		
99	nrgs 385.051	16 18	34 06	#59	15m	
100	comp			↑		
101	nrgs 385.052	16 18	34 04	#59	20m	
102	comp			↑		
103	nrgs 385.053	16 18	35 10	#59	5m	star to the east
104	comp			↑		

60 inch Telescope Log			Spectrograph: <u>Fast</u>		Page: <u>6354</u>	
Observer: <u>Calkins</u>			Grating: <u>3006</u>			
PI: <u>Mahdavi, McClintock, Huehner</u>			Date: <u>6/20/69</u> <u>98(bee)</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
105	ngc385.054	16 18	35 19	#59	4m	
106	comp			↑		
107	ngc385.055	16 18	35 29	#59	6m	
108	comp			↑		
109	ngc385.056	16 18	34 50	#59	10m	
110	comp			↑		
111	ngc385.057	16 18	35 09	#59	5m	
112	comp			↑		
113	ngc385.058	16 19	34 43	#59	10m	
114	comp			↑		
115	ngc385.059	16 19	35 02	#59	10m	
116	comp			↑		
117	ngc385.060	16 19	34 21	#59	15m	star to west
118	comp			↑		
119	30390.3	18 42	79 45	#6	10m	
120	comp			↑		
121	comp			↓	8s	1.1" slit
122-123	441907p09	19 09	9 49	#77	15m	↓
124	comp			↑		
125	HD230579	19 04	11 06	#77	20s	↓
126	comp			↑		
127	N7469	23 03	8 52	#6	2.5m	3" slit/star to east
128	comp			↑		
129	NEP1350	17 18	67 54	#68	1m	star to east & west
130	comp			↑		
131	NEP 2810	17 47	68 13	#68	2m	
132	comp			↑		
133	NEP3161	17 51	64 15	#68	1m	
134	comp			↑		
135	NEP 5092	18 19	67 48	#68	30s	

60 inch Telescope Log

Observer: Callins

PI: Huchra

Spectrograph: FAST

Grating: 300L

Date: 6/20/98

Page: 6355

Number	Object	R.A.	Dec.	L/R	Exp	Comments
136	comp			↑		
137	NEP 5280	18 21	65 59	#68	30s	
138	comp			↑		
139	NEP 5260	18 28	63 22	#68	30s	
140	comp			↑		
141	NEP 5711	18 29	67 51	#68	1m	
142	comp			↑		
143	NEP 3040	17 49	66 11	#68	30s	
144	comp			↑		
145	NEP 30	17 52	67 38	#68	30s	
146	comp			↑		
147	NEP 470	18 00	66 00	#68	45s	
148	comp			↑		
149	NEP 4121	18 04	65 28	#68	45s	
150	comp			↑		
151	NEP 4350	18 08	67 36	#68	30s	
152	comp			↑		
153	NEP 4420	18 09	68 01	#68	60s	
154	comp			↑		
155	2M174531.8p2141	17 45	21 44	#68	20m	star to far west
156	comp			↑		(probably should have passed on this one)
157	2M174548.6p	17 45	23 03	#68	19m	
158	comp			↑		
159	Feigello	23 19	-5 09	#56	2m	
160	comp			↑		
161	Wolf 1346	22 04	19 14	#56	1m	
162	comp			↑		
163-172	BIAS				0s	Binby 4
173-182	FLAT				6s	↑
183-192	BIAS				0s	Binby 2

193-202 FLAT
203-212 DARK

60 inch Telescope Log

Observer: Calkins

PI: _____

Spectrograph: Fast

Grating: 300L

Date: 6/22/98

Page: 6256

Number	Object	R.A.	Dec.	L/R	Exp	Comments
193-202	FLAT				12s	BINBY 2
203-212	DARK				15m	BINBY 4