

For Susan Tokarz
(Hello!)

60 inch Telescope log Observer: <u>Calkins</u> PI: <u>Kirshner/Barton</u>	Spectrograph: <u>FAST</u> Grating: <u>500 L</u> Date: <u>5/17/98</u>
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	Binby 4
6-10	DARK				15m	Binby 2
11-20	BIAS				0s	Binby 4
21-30	FLAT				6s	
31-40	BIAS				0s	Binby 2
41-50	FLAT				12s	
51-55	sky	zenith		57	3s	Binby 4
56	comp			↑		
57, 58	Feige 34	10 39	43 05	56	00s	Great seeing (~1")
59	comp			↑		
60	N4151	12 10	39 24	6	30s	(hunting for holes!)
61	comp			↑		
62	N4258	12 18	47 18	6	2m	
63	comp			↑		
64	MRK 279	13 53	69 18	6	3m	
65	comp			↑		
66	MRK 421	11 04	28 12	6	4m	hampered by clouds 3rd exp. ~3min after first 2 exp.
67	comp			↑		
68-70	sn1998bu	10 46	11 50	2	5m	Binby 2
71	comp			↑		
72	sn1998bn	12 29	-23 09	2	10m	
73	comp			↑		
74	sn1998s	11 46	47 29	2	10m	(clouds finally make room!)
75	comp			↑		
76	sn1998aq	11 56	55 07	2	10m	
77	comp			↑		
78	sn1998ab	12 48	41 55	2	20m	star to the west
79	comp			↑		
80	hagal 094	10 12	23 05	73	20m	Binby 4
81	comp			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>Colkins</u>				Grating: <u>500 L</u>		Page: <u>6260</u>
PI: <u>Barton/Geller/Kenyon</u>				Date: <u>5/17/98</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
82	negal 093	10 12	23 05	73	20m	header is mislabeled
83	comp			↑		exchange negal 93 for negal 99
84	N5548	14 17	25 08	6	3m	star to the west
85	comp			↑		
86	21367-2617	11 42	19 57	64	20m	extremely faint!
87	comp			↑		
88	21367-2657	11 54	20 01	64	20m	another faint one
89	comp			↑		(weather moving in)
90	MRK 501	16 53	39 45	6	5m	in and out of clouds
91	comp			↑		star far to the west
92	162536m2411544	16 25	24 15	#74	5m	correct star?
93	comp			↑		
94	162557m243032	16 26	24 30	74	5m	
95	comp			↑		
96	sn/998bp	17 54	18 20	2	20m	bumped-up exp time
97	comp			↑		due to clouds
98, 99	11244	13 23	36 08	56	90s	seeing has degraded
100	comp			↑		to ~5"
101	N5866	15 06	55 45	57	90s	in & out of clouds
102	comp			↑		(dust lane in center)
103	N5846	15 06	+1 36	57	60s	
104	comp			↑		
105-114	BIAS				0s	Binby 1
115-124	FLAT				6s	
125-134	BIAS				0s	Binby 2
135-144	FLAT				12s	
						stopped by clouds!