

60 inch Telescope Log  
 Observer: CALKINS  
 PI: All, Kitchner, Barton  
 Spectrograph: FAST  
 Grating: 300 Line  
 Date: Sept 9, 1998  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-34	Engineering Files					
35-39	DARKS				15m	Binby 4
40-49	BIAS				0s	
50-59	FLAT				6s	
60-69	BIAS				0s	Binby 2
70-79	FLAT				12s	
	Overcast + drizzle @ sunset					
80-84	DARKS				15m	Binby 4
	clouds moving east					
85	HD192281	20 12	40 16	#52	4s	
86	comp			↑		
87	BDp284211	21 51	28 51	#52	30s	Binby 2
88	comp			↑		
89	sn1998dh	23 14	04 32	#2	15m	(sn1998co not visible)
90	comp			↑		
91	sn1998dk	00 14	-00 42	#2	20m	(sn1998de not visible)
92	comp			↑		
93	sn1998dm	01 26	-06 06	#2	20m	
94	comp			↑		
95	sn1998dl	02 46	-07 34	#2	20m	close to moon (bad exposure!!)
96	comp			↑		
97	sqal-001	00 05	05 12	#73	6m	Binby 4
98	comp			↑		
99	sqal-002	00 05	05 13	#73	6m	
100	comp			↑		
101	sqal-005	00 07	47 00	#73	6m	
102	comp			↑		

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PI: BARTON

Spectrograph: FAST

Grating: 300L

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
103	sqgal-006	00 07	46 59	$\pi$ 73	7m	
104	comp			↑		
105	sqgal-009	00 14	48 14	$\pi$ 73	6m	central object
106	comp			↑		
107	sqgal-010	00 14	48 15	$\pi$ 73	6m	
108	comp			↑		
109	sqgal-011	00 18	30 04	$\pi$ 73	4m	
110	comp			↑		
111	sqgal-012	00 18	30 04	$\pi$ 73	5m	
112	comp			↑		
113	sqgal-013	00 18	30 04	$\pi$ 73	4m	
114	comp			↑		
115	sqgal-014	00 18	30 02	$\pi$ 73	5m	
116	comp			↑		
117	sqgal-015	00 18	30 02	$\pi$ 73	8m	star to east
118	comp			↑		
119	sqgal-022	00 24	22 23	$\pi$ 73	10m	120 - unnaid nothing on slit
120	comp	unnaid		↑		(looks like a bias frame)
121	BIAS					
<p>Lost TGS window about 40 min before sunrise, unable to get it back</p>						<p>119 - labeled COMP - comp E object on it</p>