

60 inch Telescope Log

Observer: CALKINS

PI: All, Kirshner, Carter

Spectrograph: FAST

TILT = 60°

Grating: 300 L

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Date: 7/29/98

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARKS				15m	Binby 4
11-20	FEAS				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	Binby 2
41-50	FLAT				12s	
51-55	sky			#57	3s	Binby 4
56	comp			↑		
57-58	AG Dra	16 01	66 48	#12	2, 200	
59	comp			↑		
60	HZ 44	13 23	36 08	#56	2m	
61	comp			↑		
62	MRK 421	11 04	38 13	#6	5m	
63	comp			↑		
64	N4151	12 10	39 24	#6	30s	
65	comp			↑		
66	N4258	12 18	47 18	#6	2m	
67	comp			↑		
68	MRK 501	16 53	39 44	#6	5m	star to the east
69	comp			↑		
70	NS 866	15 06	55 44	#57	4m	dust lane
71	comp			↑		
72	sn 1997eq	13 11	22 55	#2	20m	Binby 2, star east
73	comp			↑		
74	Feige 98	14 38	27 29	#56	2m	
75	comp			↑		
76	N002985	16 30	27 27	#75	20m	Binby 4
77	comp			↑		
78	2010082	16 35	27 29	#75	20m	
79	comp			↑		
80	2011752	16 44	32 12	#75	3m	appears stellar STAR

heard "fuzzy" in @ 16 44 33. +B2 13 00

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
81	comp			↑		
82	Z013633	16 44	26 40	#75	12m	
83	comp			↑		
84	Z013810	16 45	27 31	#75	20m	
85	comp			↑		
86	Z013811	16 46	27 19	#75	20m	(^{paper but ok} clouds returning)
87	comp			↑		
88	Z013812	16 46	26 56	#75	18m	NOT enough clouds shortened exposure
89	comp			↑		
90,91	CIG 9	19 50	35 40	#12	4,35s	
92	comp			↑		
93,94	AG Peg	21 51	12 27	#12	2,12s	
95	comp			↑		clouded out
						hole!
96	ZM200703.4p	20 07	23 49	#68	20m	start to start west
97	comp			↑		
98	sn1998dh	23 14	04 33	#2	15	Binby 3
99	comp			↑		
100	sn1998eo	21 47	-13 10	#2	15m	got galaxy (sn not separate) had to wait for clouds to clear
101	comp			↑		
102	sn1998ke	00 48	27 27	#2	15m	galaxy to west
103	comp			↑		
104	ZM003129.3p	00 31	17 22	#68	10m	Binby 4
105	comp			↑		
106	ZM00312.5p	00 13	31 09	#68	8m	
107	comp			↑		
108	ZM003027.7p	00 30	14 48	#68	8m	

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
109	comp			↑		
110	2M001217.3p	00 12	29 52	#68	6m	
111	comp			↑		
112	2M001227.6p	00 12	32 45	#68	7m	
113	comp			↑		
114	2M001319.8p	00 13	35 18	#68	8m	
115	comp			↑		
116	MRK 335	00 06	20 11	#6	3m	
117	comp			↑		
118	M7469	23 03	08 52	#6	2.5m	star to the east
119	comp			↑		
120,121	2And	23 33	48 48	#12	4,30s	
122	comp			↑		
123,124	AXPer	21 36	54 14	#12	10,80s	
125	comp			↑		
126-135	BIAS				0s	Binby 4
136-145	FLAT				6s	
146-155	BIAS				0s	Binby 2
156-165	FLAT				12s	
166-175	DARK				15m	Binby 2