

60 inch Telescope Log  
 Observer: CALKINS  
 PI: All, Firstner, Kenyon  
 Spectrograph: FAST  
 Grating: 320L  
 Date: 1/15/99  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	B.EAS				0s	
16-25	FLAT				6s	
26-35	B.EAS				0s	
36-45	FLAT				12s	
46	PGC05 p134	2 08	13 36	#56	3m	
47	comp			↑		
48	M31	00 42	41 16	#57	1.2m	
49	comp			↑		
50	MRK335	00 06	20 11	#6	4m	PA=60°
51	comp			↑		
52	02238 p57045	01 37	05 52	#2	17m	PA=11°, Gal west (clouds invaded last 3 mins)
53	comp			↑		
54	02238 p57045	2 22	57 04	#83	5m	
55	comp			↑		
56	57047 * 57046	2 22	57 04	#83	8m	02238 p57046 is west of 02237 p57047 (star to east)
57	comp	02:22:19	57 09 49	↑		wait out clouds
58	0576-056	7 04	54 09	#64	15m	
59	comp			↑		
60	0576-055	7 07	56 18	#64	10m	PA=69°
61	comp			↑		
62	0576-057	7 14	55 09	#64	8m	
63	comp			↑		
64	0576-058	7 11	56 08	#64	3m	
65	comp			↑		
66	0576-059	7 18	59 03	#64	3.5m	
67	comp			↑		

how can 02238 be west of 02237 ?

02238 East  
 02237 west

60 inch Telescope Log

Observer: Carlkins

PI: Garcia, Kenyon, Fine

Spectrograph: FAST

Grating: 300L

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Date: 11.15/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
68-70	CIC Gem	4 19	55 59	*107	2,20,90	
71	comp			↑		
72	IC Gem	6 03	27 41	#100	6m	
73	comp			↑		
74	a576-060	7 35	56 06	#64	4m	
75	comp			↑		
76	a576-061	7 19	52 52	#64	8m	
77	comp			↑		
78	a576-062	7 46	57 05	#64	8m	
79	comp			↑		
80	a576-063	7 28	56 11	#64	12m	PA = 105°
81	comp			↑		
82	a576-064	7 29	53 02	#64	5m	
83	comp			↑		
84	a576-065	7 26	53 10	#64	5m	PA = 105°
85	comp			↑		
86	a576-066	7 17	59 10	#64	20m	
87	comp			↑		
88	a576-067	7 14	54 55	#64	17m	
89	comp			↑		
90	a576-068	7 34	58 42	#64	7m	
91	comp			↑		
92	a576-069	7 24	54 34	#64	7m	
93	comp			↑		
94	a576-070	7 43	54 58	#64	3m	
95	comp			↑		
96	a576-071	7 20	58 12	#64	10m	object east
97	comp			↑		
98	a576-072	7 34	55 48	#64	5m	
99	comp			↑		

60 inch Telescope Log  
 Observer: Collins  
 PI: Rines, Kirshner, Tustin  
 Spectrograph: FAST  
 Grating: 300L  
 Date: 1/15/99  
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
100	9576-073	7 20	59 22	#64	20m	
101	comp			↑		
102	9576-074	7 36	53 11	#64	3m	
103	comp			↑		
104	9576-075	6 53	56 15	#64	5m	star weak
105	comp			↑		
106	9576-076	7 41	54 25	#64	4m	
107	comp			↑		
108	9576-077	7 41	54 54	#64	8m	
109	comp			↑		
110	9576-078	7 17	59 20	#64	6m	
111	comp			↑		
112	9576-079	7 11	55 59	#64	12m	PA = 80°
113	comp			↑		
114	SN 1999B	12 11	74 47	#20	20m	
115	comp			↑		
116	Feige 66	12 37	25 04	#56	50s	
117	comp			↑		
118	Feige 66	12 37	25 04	#56	30s	PA = 54°
119	comp			↑		
120	125621m/172109	12 56	17 20	#81	20m	
121	comp			↑		
122	125635m/174529	12 56	-17 45	#81	20m	
123	comp			↑		
124	125700m/171913	12 57	-17 18	#81	7m	
125	comp			↑		
126	125642m/174158	12 56	-17 42	#81	20m	
127	comp			↑		
128	125700m/173748	12 57	-17 37	#81	15m	
129	comp			↑		

