

60 inch Telescope Log

Observer: CALKINS

PI: All, Kirshner, Geller

Spectrograph: FAST

Grating: 300L

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Date: 6/20/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	PARK				15m	
11-20	BEAS				0s	
21-30	FLAT				6s	
31-40	BEAS				0s	
41-50	FLAT				12s	
51-55	sky			#57	2s	clouds @ sunset
56	comp			↑		
57, 58	H244	13 23	36 08	#56	2m	
59	comp			↑		
60, 61	H244	13 23	36 08	#56	2m	PA = -55
62	comp			↑		
63	sn1999cl	12 32	14 25	#2	15m	PA = 45°
64	comp			↑		
65	2199.37770	16 29	40 14	#64	20m	this circuit
66	comp			↑		
67	.376284	16 26	40 10	#64	20m	
68	comp			↑		
69	.376722	16 27	40 14	#64	20m	
70	comp			↑		
71	.381106	16 26	40 13	#64	8m	
72	comp			↑		
73	.389679	16 22	39 56	#64	8m	
74	comp			↑		
75	.389882	16 23	40 04	#64	12m	
76	comp			↑		
77	.391204	16 26	39 57	#64	10m	
78	comp			↑		
79	.393090	16 30	39 58	#64	8m	
80	comp			↑		
81	.394827	16 34	39 56	#64	20m	not worth a redo!!!

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
82	comp			↑		
83	.40222	16 19	37 35	#64	8m	
84	comp			↑		
85	.40368	16 19	37 37	#64	15m	
86	comp			↑		
87	.40508	16 20	37 35	#64	20m	
88	comp			↑		
89	.40579	16 20	37 44	#64	8m	
90	comp			↑		
91	.41211	16 22	37 36	#64	15m	
92	comp			↑		
93	.41230	16 22	37 43	#64	12m	
94	comp			↑		
95	.41446	16 23	37 43	#64	12m	
96	comp			↑		
97	.418644	16 21	39 33	#64	13m	clouds invading from the north
98	comp			↑		
99	.419089	16 22	39 37	#64	10m	
100	comp			↑		
101	.419157	16 23	39 31	#64	9m	
102	comp			↑		
103	.41932	16 25	37 46	#64	8m	
104	comp			↑		
105	.420027	16 25	39 30	#64	8m	
106	comp			↑		
107	.421310	16 28	39 32	#64	15m	
108	comp			↑		
109	.421812	16 28	39 37	#64	8m	
110	comp			↑		
111	.423399	16 32	39 57	#64	15m	

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
112	comp			↑		
113	ZM181705	18 17	35 33	#68	20m	*star
114	comp			↑		
115	ZM181742	18 17	14 07	#68	7m	
116	comp			↑		
117	ZM181756	18 17	23 48	#68	2m	object east
118	comp			↑		
119	ZM181814	18 18	34 29	#68	4m	object west
120	comp			↑		
121	SN1996c	21 03	-14 33	#2	20m	object "west" PA=0°
122	comp			↑		
123	ZM181819	18 18	39 01	#68	4.5m	
124	comp			↑		
125	ZM182244	18 22	30 51	#68	5m	
126	comp			↑		
127	ZM182344	18 23	29 56	#68	6m	
128	comp			↑		
129	N7331	22 37	34 24	#57	3m	
130	comp			↑		
131,132	BDP284211	21 51	28 52	#56	30s	
133	comp			↑		
134-143	BEAS				0s	
144-153	FLAT				6s	
154-163	BEAS				0s	
164-173	FLAT				12s	
174-183	DARK				15m	