

Fax to:
Susan Tokarz

★ Start of FAST Run ★

60 inch Telescope Log	Spectrograph: <u>FAST</u>
Observer: <u>CAULINS</u>	Grating: <u>5006</u>
PI: <u>All Rines</u>	Date: <u>10/29/99</u>

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-2	DARK				15m	
3-13	REAS				0.5	
14-23	FLAT				7.5	
24-23	REAS				0.5	
34-43	FLAT				14.5	
44	BDP284211	21 51	28 52	#56	30s	
45	comp			↑		
46	BDP284211	21 51	28 52	#56	30s	
47	comp			↑		
48	BDP284211	21 51	28 52	#56	30s	PA=0
49	comp			↑		
50	30390.3	18 42	79 46	#6	12m	
51	comp			↑		
52	MRX509	20 44	-10 43	#6	4m	
53	comp			↑		
54	Alm 56A	22 42	29 43	#6	5m	
55	comp			↑		
56	N7469	23 03	8 52	#6	3m	row 75
57	comp			↑		
58	9119-091	1 04	2 04	#64	20m	too faint
59	comp			↑		
60	9119-092	1 00	-2 00	#64	20m	PA=0°
61	comp			↑		
62	9119-100	00 48	-3 24	#64	12m	
63	comp			↑		
64	9119-122	01 07	-02 08	#64	20m	
65	comp			↑		
66	9119-128	1 04	1 44	#64	20m	
67	comp			↑		
68	9119-137	00 41	-1 51	#64	20m	PA=0°

NOT ENOUGH BIN BY 4 DARKS (ONLY 2)
COULD NOT DARK SUBTRACT BIN BY 4 DATA.

H66 Very interesting - bright superposed star,
but set gal velocity because of emission lines.
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60 inch Telescope Log

Observer: CALVIN

PI: Noel, Kirshner, Dragg

Spectrograph: FAST

Grating: 300L

Date: 10/29/99

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
69	comp			↑		
70	all9-161	00 47	1 27	#69	17m	PA = 96°, clouds
71	comp			↑		
72,73	sm1999ej	1 23	33 28	#2	15	wind has died
74	comp			↑		down but seeing
75	021752	2 17	57 07	#83	3m	is 2-5" ! PA=0°
76	comp			↑		
77	021755	2 17	57 05	#83	3m	
78	comp			↑		
79	021756	2 17	57 06	#83	7m	
80	comp			↑		
81	021757	2 17	57 06	#83	12m	
82	comp			↑		
83	021757	2 17	57 07	#83	5m	
84	comp			↑		
85	021801	2 18	57 03	#83	8m	
86	comp			↑		
87	021802	2 18	57 04	#83	12m	
88	comp			↑		
89	021802	2 18	57 05	#83	8m	
90	comp			↑		
91	021803	2 18	57 12	#83	4m	row 75
92	comp			↑		
93-95	sm1637	4 41	-2 51	#2	5m	PA=31, seeing
96	comp			↑		might be improving
97	021804	2 18	57 03	#83	3m	Type IA
98	comp			↑		
99	021804	2 18	57 10	#83	8m	row 74
100	comp			↑		
101	021804	2 18	57 10	#83	7m	

60 inch Telescope Log

Spectrograph: FAST

Observer: Calvin

Grating: 300L

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PI: Bray, Calvet

Date: 10/29/99

Number	Object	R.A.	Dec.	L/R	Exp	Comments
102	comp			↑		
103	021805	2 18	57 10	#83	8m	which one? extracted bright * near center
104	comp			↑		
105	021805	2 18	57 12	#83	2m	row 74
106	comp			↑		
107	021805	2 18	57 12	#83	15m	Row 74
108	comp			↑		
109	sn1999ek	5 36	16 58	#83	20m	Row 74
110	comp			↑		
111	36095	5 24	-00 23	#112	5m	
112	comp			↑		
113	36095	5 24	-00 23	#112	5m	(insufficient counts in 1 st exp)
114	comp			↑		
115	46641	5 37	-00 19	#112	17m	
116	comp			↑		
117-119	41137	5 16	-1 09	#112	10m	
120	comp			↑		
121	3075	5 24	00 00	#112	11m	
122	comp			↑		
123	47015	5 58	00 02	#112	10m	
124	comp			↑		
125	WILSON 637	10 01	55 34	#57	5s	
126	comp			↑		
127	WILSON 637	10 01	55 34	#57	5s	
128	comp			↑		
129	HILTNER 600	6 45	2 08	#56	45s	
130	comp			↑		
131	Hiltner 600	6 45	2 08	#56	45s	
132	comp			↑		
133	Hiltner 600	6 45	2 08	#56	45s	PA = 23°

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