

* Start of FAST run

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>MADER</u>			Grating: <u>300L</u>		Page: <u>5093</u>	
PI: <u>KENYON, MAHDAVI, GROGIN</u>			Date: <u>10/23/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-4	DARK	-	-	-	900S	BIN X 4
5-14	BIAS	-	-	-	-	
15-24	FLAT	-	-	-	60	
25-27	SKY	-	-	-	2	PERFECT COMP SORRY
28-29	Z And	23:33:40	48:49:03	12	0.5/10	CLOUDS TO WEST
30	COMP			↑		
31	srqb009.48	22:18:19	13:53:12	59	300	THIN CLOUDS TO EAST
32	COMP			↑		
33	srqb016.01	22:53:41	25:51:01	59	600	
34	COMP			↑		
35	srqb016.12	22:57:25	26:06:43	59	720	
36	COMP			↑		
37	srqb016.10	22:57:21	26:04:36	59	480	
38	COMP			↑		
39	srqb016.09	22:57:63	26:01:22	59	600	POSITION: ANGLE = 50°
40	COMP			↑		"
41-42	AX Per	01:36:28	54:14:45	12	4/75	PA = 90°
43	COMP			↑		
						CLOUDS
44	srqb062.20	00:15:22	30:45:14	59	600	
45	COMP			↑		
46	Z3252p1818f1	23:27:52	18:28:19	42	720	PA = 21°
47	COMP			↑		"
48	PG-0205p134	02:08:01	13:36:23	56	120	PA = 90°
49	COMP			↑		
50	srqb062.13	00:14:13	28:53:06	59	300	
51	COMP			↑		
52	srqb062.10	00:13:56	30:53:00	59	300	
53	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5694</u>	
Observer: <u>MADER</u>			Grating: <u>300L</u>		Date: <u>10/23/97</u>	
PI: <u>MUMFRA, KENYON</u>						
Number	Object	R. A.	Dec.	L/R	Exp	Comments
54	PSC14273	02:53:06	26:31:15	43	480	SOME CLOUDS
55	COMP			↑		
56	PSC14332A	02:53:25	16:55:48	43	480	
57	COMP			↑		
58	PSC14332B	02:53:25	16:55:48	43	720	
59	COMP			↑		
60	ZZSM280	00:44:32	41:21:58	57	300	VELOCITY TEMPLATE
61	COMP			↑		
62	PSC14753	02:57:46	20:30:03	43	900	
63	COMP			↑		
64	PSC14902	02:59:24	15:43:54	43	300	EMISSION
65	COMP			↑		
66	PSC15037	03:06:51	16:01:39	43	600	EMISSION
67	COMP			↑		
68,69	DL Tau	04:33:57	25:21:23	12	10/120	
70	COMP			↑		
71-72	DL Tau	04:47:05	16:58:51	12	10/90	
73	COMP			↑		
74-75	DL Tau	04:27:05	26:06:16	12	10/90	
76	COMP			↑		
77-78	H214	04:40:59	10:59:52	56	120	
79	COMP			↑		
80-81	GM1B2B	05:01:32	52:45:52	56	30	
82	COMP			↑		
83	APSO13	03:47:22	29:31:01	43	420	
84	COMP			↑		
85	APSO15	03:28:33	29:17:24	43	900	
86	COMP			↑		
87	APSO16	03:33:08	29:16:55	43	900	
88	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>5695</u>	
Observer: <u>MADER</u>			Grating: <u>300L</u>			
PI: <u>MAHDANI, HUKHRA</u>			Date: <u>10/23/97</u>			
Number	Object	R. A.	Dec.	L/R	Exp	Comments
89	srjb155.32	02:48:50	-00:31:08	59	300	
90	COMP			↑		
91	srjb155.38	02:49:27	-00:30:06	59	420	
92	COMP			↑		
93	srjb155.37	02:49:26	-00:52:00	59	300	
94	COMP			↑		
95	srjb155.34	02:49:31	-00:34:15	59	480	
96	COMP			↑		
97	srjb155.42	02:49:38	-00:32:48	59	480	
98	COMP			↑		
99	srjb155.41	02:49:38	-00:03:21	59	300	
100	COMP			↑		
101	C0439p30	04:39:50	38:44:09	43	480	
102	COMP			↑		
103	C0510p20	05:10:37	26:24:56	43	300	
104	COMP			↑		
105	C0512p19	05:12:42	19:15:51	43	480	
106	COMP			↑		
107	srjb155.69	02:54:31	-01:30:47	59	480	PA=80° TO KEEP STAR OUT OF SLIT
108	COMP			↑		"
109	srjb155.66	02:53:26	-01:30:45	59	480	PA=90°
110	COMP			↑		
111	srjb155.67	02:53:29	-00:13:21	59	600	
112	COMP			↑		
113	C0533p31	05:33:24	21:49:06	43	300	* image doesn't look like a star
114	COMP			↑		
115	C0524p17	05:24:08	17:16:13	43	300	
116	COMP			↑		
117	C0535p15A	05:35:44	15:05:49	43	900	@ line = 40
118	COMP			↑		

60 inch Telescope Log

Observer: MADER

PI: HUMERA

Spectrograph: FAST

Grating: 300 L

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Date: 10/23/97

Number	Object	R.A.	Dec.	L/R	Exp	Comments
119	C0535p15 B	05:35:46	15:05:49	43	720	BRIGHTER OBJECT IS STAR
120	COMP			↑		
121	C0536p36	05:36:29	30:18:28	43	480	superposed star ????
122	COMP			↑		
123	C0544p17	05:44:10	17:32:47	43	420	EMISSION unusual spectrum
124	COMP			↑		
125	C0555p10	05:55:51	10:17:51	43	480	BRIGHT ONE
126	COMP			↑		
127	C0726p06	07:26:26	06:07:08	43	420	
128	COMP			↑		
129	C0717p06	07:17:13	06:36:07	43	300	
130	COMP			↑		
131	C0712p05	07:12:27	05:53:30	43	300	
132	COMP			↑		
133	C0712p00	07:12:12	02:18:18	43	420	
134	COMP			↑		
135	C0711p00	07:11:09	00:39:47	43	480	
136	COMP			↑		
137	C0710p06	07:10:58	06:17:33	43	420	
138	COMP			↑		
139	C0709p07	07:09:33	07:19:30	43	300	SLIGHTLY FAINTER STAR @ R=20
140	COMP			↑		
141	C0703p09	07:03:27	09:31:33	43	480	@ R=40
142	COMP			↑		
143	C0659p06	06:59:31	06:27:28	43	480	
144	COMP			↑		
145-154	FLAT	-	-	-	6	
155-164	BIAS	-	-	-	-	

stellar velocity