

$$61 + 1 \text{ sec} = 62$$

$$15 R: 22 + 1 \text{ sec} = 23$$

60 inch Telescope Log		Spectrograph: <u>FAST</u>				Page: <u>3967</u>
Observer: <u>P. Berland</u>		Grating: <u>300, 3", 6m by 4</u>				Date: <u>9/26/95</u>
PI: <u>Kenyon S. Geller</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	BIAS			0	0s	a few clouds
11-20	FLAT			0	6s	
21-25	SKY			0	2s	
26	COMP			↑	10s	
27,28	N7331	22:34	+3409	0	2m	
29	COMP			↑		
30-32	BDP289211	21:48	+28:37	0	30s	clouds!
33	COMP			↑		
34	IC5146.034	21:44:49	+47:37:02	30	30s	
35	COMP			↑		
36	IC5146.000	21:46:43.1	+47:37:20	30	5m	
37	COMP			↑		
38	IC5146.013	21:46:45.6	+47:35:35	30	6m	
39	COMP			↑		
40	IC5146.015	21:46:39	+47:4:28	30	6m	
41	COMP			↑		
42,46	518.080346	21:34:16.1	+11:33:54	3	15m	+2 $v \approx 14,000 \text{ km/s}$
43,47	COMP			↑		H $\alpha$
44	518.082115	21:30:37	+11:37:45	3	10m	
45	COMP			↑		
48	518.082999	21:32:58	+11:38:36	3	15m	
49	COMP			↑		
50	518.085215	21:32:42.0	+11:42:08	3	12m	
51	COMP			↑		
52	518.086296	21:48:41.1	+11:45:01.4	3	10m	
53	COMP			↑		
54	518.090864	21:35:23	+11:52:17.5	3	10m	
55	COMP			↑		
56	518.091677	21:34:20	+11:53:32.9	3	15m	H $\alpha$ * on slit to W
57	COMP			↑		

4:30 - 5

60 inch Telescope Log		Spectrograph: <u>FAST</u>				
Observer: <u>PB</u>		Grating: <u>300L-binby2+4</u>			Page: <u>3968</u>	
PI: <u>Geller &amp; Kivshner</u>		Date: <u>9/26/95</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
58	S18.09597	21:36:01.45	+12:00:79	3	10m	RA-bias = -0.05
59	COMP			↑		δ bias = +0.03
60	S18.096498	21:33:03.71	+12:00:57	3	15m	H <sub>α</sub>
61	COMP			↑		
62	S18.110914	21:48:31.3	+12:24:25	3	12m	H <sub>α</sub>
63	COMP			↑		
64	S18.112260	21:46:04.22	+12:26:31.6	3	12m	
65	COMP			↑		
66	S18.114396	21:52:47.78	+12:25:40.4	3	15m	
67	COMP			↑		
68	S18.114424	21:42:22.5	+12:25:52	3	5m	H <sub>α</sub>
69	COMP			↑		
70	S18.115219	21:49:01	+12:30:45	3	5m	
71	COMP			↑		
72	SN1995ac	22:45:41	-08:45:12	2	20m	← regular tilt + binning
73	COMP			↑		OK: guess what? Peter Challis is now
74,76	SN1995ac	"	"	2	20m	here; so: tilt = 90; bin by 2
75,77	COMP			↑		x 2
78	SN95ac.gal	"	"	2	7m	
79	COMP			↑		
80	Fornello	23:17:23.5	-05:26:22	0	1m	
81	COMP			↑		↑ humidity + some
82	SN1995ab	23:26:41	-04:57:59	0	20m	local clouds forming
83	COMP			↑		
84	COMP			-	test	bin by 4; tilt = 610 (normal)
85	S21.019498	23:10:12.31	+10:34:46	3	15m	H <sub>α</sub> @ pix 2567 (?) <u>work</u>
86	COMP			↑		clouds...
87	S21.020128	22:48:14	+10:35:02.3	3	12m	H <sub>α</sub>
88	COMP			↑		
89	S21.020627	23:06:30	+10:37:01	3	8m	

Oct 22

## 60 inch Telescope Log

Observer: PBPI: Geller/Wilkes/BertonSpectrograph: FASTGrating: 3002Page: 3969Date: 9/26/85

Number	Object	R. A.	Dec.	L/R	Exp	Comments
90	COMP			↑		
91	S21.021258	23:04:01.53	+10:39:20	3	15m	H <sub>α</sub>
92	COMP			↑		
93	S21.021807	23:06:57	+10:40:30	3	9m	H <sub>α</sub>
94	COMP			↑		
95	S21.022668	22:52:25.9	+10:44:42	3	10m	H <sub>α</sub>
96	COMP			↑		
97	S21.023454	22:44:26.8	+10:46:51	3	5m	humid ... 80% +
98	COMP			↑		
99	MRK335	00:03	+19:55	6	1m	
100	COMP			↑		
101	PG0205p134	02:05:21.3	+13:26:18	0	2m	
102	COMP			↑		
* 103	a194-gal024	01:25:16.8	-02:32:35	33	3m	star - $\theta$ - another *
104	COMP			↑		
105	a194-gal025	01:25:29.7	-00:42:41	33	8m	H <sub>α</sub>
106				↑		
* 107	a194-gal026	01:25:31.5	-02:32:45	33	2m	star - $\theta$ - another *
108	COMP			↑		
109	a194-gal027	01:25:40.44	-02:33:15.8	33	5m	
110	COMP			↑		
111	a194-gal028	01:25:47.7	-01:20:41	33	5m	
112	COMP			↑		
* 113	a194-gal029	01:25:50.9	-01:48:18	33	2m	star $\theta$
114	COMP			↑		
115	a194-gal030	01:26:05.05	-01:49:18	33	15m	
116	COMP			↑		
117	a194-gal031	01:26:07.48	-01:49:50	33	15m	Act! auto dome closer just closed the dome
118	COMP			↑		
119	a194-gal032	01:26:23.7	-00:56:20	33	12m	MMT in fog bank tentatively open again

