

FAX: To Susan Takara pg 1 of 4  
From FLWD 60"

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4887</u>
Observer: <u>PBerthel</u>				Grating: <u>302R</u>		
PI: <u>Wilkes/Caroan/Huchra</u>				Date: <u>9/21/96</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
110	BIAS				0s	
11-20	FLAT				6s	a few scattered clouds
21	DDp284211	21:48	+28:37	0	1m	
22	COMP			↑		
23-25	CICogg	19:50	+35:41	12	2, 20, 100	bright moon
26	COMP			↑		
27, 29	V1803p676	18:03	+67:38	49	15m	sec 2 - 1.30
28, 30	COMP			↑		
31	PG1708p60L	17:08	+60:43	0	4m	sec 2 - 1.32
32	COMP			↑		
33	18139p4731 W	18:13	+47:31	1	6m	sup * to E
34	COMP			↑		
35	NG62	18:14	+46:03	1	4m	
36	COMP			↑		
37	18163p4120	18:16	+46:20	1	4m	
38	COMP			↑		
39	18176p4744	18:17	+47:44	1	9m	em
40	COMP			↑		
41	18191p4733	18:19	+47:33	1	5m	
42	COMP			↑		dome keeps closing
43	18188p3509	18:18	+35:09	1	6m	- disengage auto dome
44	COMP			↑		
45	18200p5531	18:20	+55:31	1	5m	
46	COMP			↑		
47	18223p4047	18:22	+40:47	1	12m	em
48	COMP			↑		
49	23256p1815	23:25	+18:45	42	20m	
50	COMP			↑		
51	22586p1920	22:56	+19:20	42	15m	
52				↑		

rise:

gain

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>4888</u>
Observer: <u>PB</u>				Grating: <u>302</u>		
PI: <u>Geller</u>				Date: <u>9/24/96</u>		
Number	Object	R. A.	Dec.	I/R	Exp	Comments
53	N7469	23:03	+08:52	6	2m	
54	COMP			↑		bright sky
55	MRK335	00:03	+49:55	6	2m	
56	COMP			↑		
57-58	Z And	23:33	+48:49	12	3, 60s	
59	COMP			↑		
60	Z3446p1520	23:44	+15:20	42	15m	
61	COMP			↑		
62	464.05640	00:14	+10:36	3	15m	
63	COMP			↑		
64	464.018534	00:00	+10:46	3	15m	
65	COMP			↑		
66	464.020151	00:12	+10:51	3	15m	
67	COMP			↑		
68	464.021386	23:56	+10:55	3	15m	
69	COMP			↑		
70	464.022924	00:15	+10:59	3	15m	probably reds em!
71	COMP			↑		
72	464.024482	00:14	+11:04	3	15m	
73	COMP			↑		
74	464.028688	23:56	+11:17	3	15m	
75	COMP			↑		clouds around
76	464.031478	00:10	+11:25	3	15m	
77	COMP			↑		
78	464.034359	00:06	+11:33	3	15m	
79	COMP			↑		
80	464.036383	00:10	+11:39	3	15m	moon set
81	COMP			↑		
82	464.038659	23:55	+12:33	3	15m	
83	COMP			↑		more clouds!

## 60 inch Telescope Log

Observer: PBPI: Geller / Huchra / KenyonSpectrograph: FASTGrating: 300RDate: 9/21/96Page: 4889

Number	Object	R.A.	Dec.	L/R	Exp	Comments
84	464.059685	00:03	+12:43	3	15m	
85	COMP			↑		
86	464.060060	00:12	+12:45	3	15m	
87	COMP			↑		a few thin clouds
88	464.071785	00:05	+13:19	3	15m	seeing ~1.5"
89	COMP			↑		
90	464.072525	00:06	+13:21	3	15m	
91	COMP			↑		
92	015154p334235	01:51	+33:42	25	12m	
93	COMP			↑		
94	014317p344415	01:43	+34:42	25	12m	am
95	COMP			↑		
96	014314p36303	01:43	+36:31	25	15m	
97	COMP			↑		
98	014345p360637	01:43	+36:06	25	15m	
99	COMP			↑		
100	014713p34342	01:47	+37:43	25	15m	
101	COMP			↑		
102	014515p353532	01:45	+35:35	25	15m	
103	COMP			↑		
104	014437p353902	01:44	+35:39	25	15m	
105	COMP			↑		
106	014625p364446	01:46	+36:46	25	15m	
107	COMP			↑		
108-109	AXR	01:30	+34:15	12	90s, 10s	
110	COMP			↑		
111-112	DLTan	04:33	+15:20	12	3m, 20s	
113	COMP			↑		
114-115	DRTan	04:47	+16:58	12	2m, 10s	
116	COMP					

