

60 inch Telescope Log			Spectrograph: <u>Fast</u>			
Observer: <u>J. Peters</u>			Grating: <u>300</u>		Page: <u>5296</u>	
PI: <u>e.t.al</u>			Date: <u>3/11/97</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	Bias	Bin By	4			
11-20	FLAT	Bin By	4		8 <sup>s</sup>	
21-30	FLAT	Bin By	2		15 <sup>s</sup>	
31-41	Bias	Bin By	2			
42	COMP	Fam	JMS	USE		For Wavelength Calc
43-47	SKY			⊘	2 <sup>s</sup>	
48	COMP			↑		BROKEN CLOUDS
49	H052971	06 57 51	27 13 42	⊘	5 <sup>s</sup>	
50	COMP			↑		
51	AKN130	05 13 38	-00 12 15	6	2 <sup>m</sup>	
52	COMP			↑		CLOUDS OUT!
53	DLTAU	04 33 39	25 20 39	12	20 <sup>s</sup>	Hole in Clouds
54	DLTAU	↓	↓	12	4 <sup>m</sup>	↓
55	COMP			↑		
56	DRTAU	04 47 05	16 58 37	12	10 <sup>s</sup>	
57	DRTAU	"	"	12	3 <sup>m</sup>	
58	COMP			↑		
59	Hiltner 600	06 42 37	02 11 25	56	45 <sup>s</sup>	Clouds Thinning out!
60	COMP			↑		
61	SN 1997E	06 47 38	74 29 51	2	20 <sup>m</sup>	Bin By 2
62	COMP				14 <sup>s</sup>	Hope The Rainy Thing is
63	R10, FT. 42	09 24 05	34 38 45	59	20 <sup>m</sup>	in The SUT
64	R10, FT. 42	↓	↓	59	20 <sup>m</sup>	Bin by 4
65	COMP			↑		Clouds coming Back!
66	R010, FT 47	09 25 58	34 37 45	59	20 <sup>m</sup>	
67	COMP			↑		
68	R010, FT 48	09 26 01	34 39 10	59	10 <sup>m</sup>	
69	COMP			↑		
70	R10, FT 45	09 25 29	33 14 06	59	15 <sup>m</sup>	
71	COMP			↑		

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
72	R010. FT. 46	09 25 48	34 16 34	59	20 <sup>M</sup>	
73	Comp P			↑		
74	R010. FT. 49	09 26 08	34 53 41	59	15 <sup>M</sup>	
75	Comp P			↑		
76	R010. FT. 50	09 26 13	32 42 18	59	5 <sup>M</sup>	
77	Comp P			↑		
78	R044. FT. 01	11 41 21	33 41 37	59	10 <sup>M</sup>	
79	Comp P			↑		
80	R044. FT. 02	11 41 30	33 31 28	59	20 <sup>M</sup>	
81	Comp P			↑		
82	R044. FT. 03	11 42 01	32 32 49	59	20 <sup>M</sup>	
83	Comp P			↑		
84	R044. FT. 04	11 42 19	33 38 19	59	20 <sup>M</sup>	
85	Comp P			↑		
86	R044. FT. 05	11 43 16	32 51 05	59	20 <sup>M</sup>	
87	Comp P			↑		
88	MRK 421	11 08 40	38 28 43	6.	5 <sup>M</sup>	
89	Comp P			↑		
90	N4051	12 00 36	44 48 25	6	2 <sup>M</sup>	
91	Comp P			↑		
92	N4151	12 08 01	39 41 01	6	30 <sup>S</sup>	
93	Comp P			↑		
94	MRK 279	13 51 53	69 33 13	6	2 <sup>M</sup>	
95	Comp P			↑		
96	N5548	14 15 43	25 22 01	6	2 <sup>M</sup>	
97	Comp P			↑		
98	Ferrel 166	12 34 54	25 20 31	56	1 <sup>M</sup>	
99	Comp P			↑		
100	N4486B	12 30 32	12 29 25	57	5 <sup>M</sup>	
101	Comp P			↑		

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
102	A000572	11 44 18	19 50 41	60	6 <sup>m</sup>	
103	Comp			↑		
104	Z011398S	11 44 20	19 49 33	60	5 <sup>m</sup>	South Obj
105	Comp	↓	↓	↑		
106	Z011398E	↓	↓	60	5 <sup>m</sup>	East Obj
107	Comp			↑		Clouds
108	A000905 S	11 44 22	15 08 16	60	20 <sup>m</sup>	South Obj
109	Comp	↓	↓	↑		
110	A000905 N	↓	↓	60 <sup>s</sup>	6 <sup>m</sup>	North Obj
111	Comp			↑		
112	Z013375 S	11 44 25	19 49 41	60 <sup>s</sup>	5 <sup>m</sup>	South Obj
113	Comp	↓	↓	↑		
114	Z013375 N	↓	↓	60 <sup>s</sup>	5 <sup>m</sup>	North Obj
115	Comp	↓	↓	↑		
116	Z013375 E	↓	↓	60 <sup>s</sup>	5 <sup>m</sup>	East Obj
117	Comp			↑		
118	Z013376 S	11 44 25	20 06 10	60	10 <sup>m</sup>	South Obj
119	Comp	↓	↓	↑		
120	Z013376 N	↓	↓	60	10 <sup>m</sup>	North Obj
121	Comp	↓	↓	↑		
122	Z013376 E	↓	↓	60	10 <sup>m</sup>	East Obj
123	Comp			↑		
124	N000658 E	11 44 27	08 09 43	60	15 <sup>m</sup>	East Obj
125	Comp	↓	↓	↑		
126	N000658 W	↓	↓	60	10 <sup>m</sup>	West Obj
127	Comp			↑		
128	Z011399 W	11 44 47	19 46 24	60	10 <sup>m</sup>	West Obj
129	Comp	↓	↓	↑		
130	Z011399 E	↓	↓	60 <sup>s</sup>		East Obj
131	Comp			↑		

