

60 inch Telescope Log

Observer: P Berlin
 PI: Geller

Spectrograph: EAST

Grating: 3002

Page: 6233

Date: 6/3/98

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|--------|-------------|-------|--------|-----|-----|------------------------------|
| 1-10 | DARK | | | | 15m | bmbgZ |
| 11-20 | DARK | | | | 15m | |
| 21-30 | BIAS | | | | 05 | |
| 31-40 | FLAT | | | | 6s | |
| 41-50 | BIAS | | | | 05 | bmbgZ |
| 51-60 | FLAT | | | | 12s | " |
| 61-65 | sky | | | 57 | 7s | bright moon + thin clouds |
| 66 | WMP | | | r | | |
| 67-68 | Feig 34 | 10:36 | +43:21 | 56 | 40s | |
| 69 | WMP | | | r | | lots of cirrus to NW |
| 70 | N3115 | 10:02 | -07:28 | 57 | 2hr | |
| 71 | WMP | | | r | | |
| 72 | MRK421 | 11:01 | +36:28 | 6 | 4m | |
| 73 | WMP | | | r | | |
| 74 | N4258 | 12:16 | +47:31 | 6 | 2m | |
| 75 | WMP | | | r | | |
| 76 | 01367.M0256 | 11:45 | +20:09 | 64 | 7m | yuck OK |
| 77 | WMP | | | r | | |
| 78 | .2597 | 11:57 | +19:55 | 64 | 5m | ok |
| 79 | WMP | | | r | | |
| 80 | .2598 | 11:37 | +19:55 | 64 | 7m | em |
| 81 | WMP | | | r | | |
| 82 | .2607 | 11:40 | +19:57 | 64 | 8m | em |
| 83 | WMP | | | r | | |
| 84 | .2612 | 11:42 | +20:02 | 64 | 8m | |
| 85 | WMP | | | r | | |
| 86 | .2615 | 11:42 | +19:56 | 64 | 8m | |
| 87 | WMP | | | r | | |
| 88 | .2659 | 11:56 | +19:59 | 64 | 8m | |
| 89 | WMP | | | r | | |

60 inch Telescope Log

Observer: PB
 PI: Gretter & Kivshner

Spectrograph: FAST

Grating: 30L

Page: 6234

Date: 5/3/98

| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|--------|-----------------|-------|--------|-----|-----|------------|
| 90 | g1367.1406.2717 | 11:45 | +19:49 | 64 | 7m | pec |
| 91 | WMP | | | f | | |
| 92 | .2725 | 11:46 | +19:46 | 64 | 5m | |
| 93 | WMP | 11:41 | | f | | |
| 94 | .2753 | 11:41 | +19:32 | 64 | 10M | |
| 95 | WMP | | | f | | |
| 96 | .2771 | 11:44 | +19:34 | 64 | 8m | |
| 97 | WMP | | | f | | |
| 98 | .2780 | 11:45 | +19:31 | 64 | 5m | |
| 99 | COMP | | | f | | |
| 100 | .2783 | 11:45 | +19:36 | 64 | 8m | |
| 101 | WMP | | | f | | |
| 102 | .2830 | 11:45 | +19:24 | 64 | 7m | |
| 103 | WMP | | | f | | |
| 104 | .2907 | 11:42 | +18:53 | 64 | 10m | |
| 105 | WMP | | | f | | |
| 106 | .2915 | 11:49 | +18:53 | 64 | 10m | em |
| 107 | WMP | | | f | | |
| 108 | SN1998bn | 12:29 | -23:09 | 2 | 11m | bright sky |
| 109 | WMP | | | f | | |
| 110 | SN1998S | 11:46 | +17:28 | 2 | 11m | |
| 111 | WMP | | | f | | |
| 112 | SN1998aa | 11:56 | +55:07 | 2 | 10m | |
| 113 | WMP | | | f | | |
| 114 | SN1998ab | 12:48 | +41:53 | 2 | 15m | |
| 115 | WMP | | | f | | |
| 116 | H244 | 15:21 | +20 | 96 | 2m | |
| 117 | WMP | | | f | | |
| 118 | 201164 | 13:00 | +27:38 | 56 | 6m | |
| 119 | WMP | | | f | | |
| 120 | WMP | | | f | | |

| 60 inch Telescope Log | | | Spectrograph: <u>FAST</u> | | Page: <u>6235</u> | |
|---|-----------------|-------|---------------------------|-----|-------------------|-------------------|
| Observer: <u>PD</u> | | | Grating: <u>300R</u> | | | |
| PI: <u>Carter/Huchra & Kirshner</u> | | | Date: <u>5/3/98</u> | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 121 | Z013755 | 13:00 | +27:24 | 75 | 4m | |
| 122 | COMP | | | ↑ | | |
| 123 | Z011041 | 13:01 | +28:40 | 75 | 8m | |
| 124 | COMP | | | ↑ | | |
| 125 | 970615.144.133 | 13:17 | +17:58 | 68 | 20m | ? high cz gal |
| 126 | COMP | | | ↑ | | |
| 127 | 970615.146.909 | 13:19 | +18:38 | 68 | 20m | gal! |
| 128 | COMP | | | ↑ | | |
| 129 | 970615.149.1314 | 13:21 | +18:51 | 68 | 20m | ok gal |
| 130 | COMP | | | ↑ | | |
| 131 | 97060276.3558 | 13:30 | +21:28 | 68 | 20m | gal! |
| 132 | COMP | | | ↑ | | |
| 133 | Z001705 | 13:01 | +27:53 | 75 | 2m | |
| 134 | COMP | | | ↑ | | |
| 135 | Z0048584 | 13:01 | +28:05 | 75 | 3m | |
| 136 | COMP | | | ↑ | | |
| 137 | N002958 | 13:01 | +27:53 | 75 | 3m | |
| 138 | COMP | | | ↑ | | |
| 139 | Z000467 | 13:01 | +28:40 | 75 | 2m | |
| 140 | COMP | | | ↑ | | |
| 141 | Z011695 | 13:02 | +27:46 | 75 | 4m | pec! |
| 142 | COMP | | | ↑ | | |
| 143 | Z015757 | 13:02 | +28:23 | 75 | 3m | |
| 144 | COMP | | | ↑ | | |
| 145 | Z013758 | 13:02 | +28:06 | 75 | 4m | wk. |
| 146 | COMP | | | ↑ | | |
| 147 | SN1998bp | 17:54 | +18:19 | 2 | 15m | clouds moving in; |
| 148 | COMP | | | ↑ | | get now white |
| 149 | N55458 | 14:13 | +25:22 | 6 | 3m | getting 13 gal. |
| 150 | COMP | | | ↑ | | |

| 60 inch Telescope Log | | | Spectrograph: <u>FAST</u> | | Page: <u>6236</u> | |
|-----------------------|----------|-------|---------------------------|-----|-------------------|-------------|
| Observer: <u>PB</u> | | | Grating: <u>302</u> | | | |
| PI: <u>Carter</u> | | | Date: <u>5/3/88</u> | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 151 | N 000876 | 14:37 | +30:28 | 75 | 5m | em |
| 152 | WMP | | | ↑ | | thin clouds |
| 153 | Z 013795 | 14:38 | +28:27 | 75 | 5m | |
| 154 | WMP | | | ↑ | | |
| 155 | Z 003015 | 14:38 | +30:26 | 75 | 5m | |
| 156 | WMP | | | ↑ | | |
| 157 | N 002972 | 14:39 | +30:48 | 75 | 5m | |
| 158 | WMP | | | ↑ | | |
| 159 | Z 010061 | 14:39 | +30:57 | 75 | 3m | |
| 160 | WMP | | | ↑ | | |
| 161 | N 001362 | 14:40 | +31:30 | 75 | 5m | |
| 162 | WMP | | | ↑ | | |
| 163 | Z 005417 | 14:40 | +34:22 | 75 | 2m | |
| 164 | WMP | | | ↑ | | |
| 165 | N 001764 | 14:41 | +34:35 | 75 | 3m | |
| 166 | WMP | | | ↑ | | |
| 167 | A 000660 | 14:42 | +28:43 | 75 | 3.4m | |
| 168 | WMP | | | ↑ | | |
| 169 | N 001087 | 14:44 | +28:33 | 75 | 5m | ↓ to E |
| 170 | WMP | | | ↑ | | |
| 171 | Z 007411 | 14:45 | +26:18 | 75 | 3m | |
| 172 | WMP | | | ↑ | | |
| 173 | A 00321 | 14:45 | +30:25 | 75 | 3m | |
| 174 | WMP | | | ↑ | | |
| 175 | A 00751 | 14:45 | +07:02 | 75 | 4m | Sy 1 |
| 176 | WMP | | | ↑ | | |
| 177 | A 00752 | 14:45 | +28:31 | 75 | 5m | |
| 178 | WMP | | | ↑ | | |
| 179 | Z 011782 | 14:46 | +31:41 | 75 | 5m | |
| 180 | WMP | | | ↑ | | |

| 60 inch Telescope Log | | | Spectrograph: <u>FAST</u> | | Page: <u>6237</u> | |
|-----------------------|----------|-------|---------------------------|-----|-------------------|---------------------------|
| Observer: <u>PB</u> | | | Grating: <u>302</u> | | | |
| PI: <u>Carter</u> | | | Date: <u>5/3/98</u> | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 181 | N001766 | 14:47 | +31:45 | 75 | 5m | 283 |
| 182 | WMP | | | ↑ | | thin clouds. |
| 183 | Z04016 | 14:48 | +31:47 | 75 | 6m | 284 |
| 184 | WMP | | | ↑ | | |
| 185 | Z01062 | 14:50 | +27:34 | 75 | 4m | 287 |
| 186 | WMP | | | ↑ | | |
| 187 | N001767 | 14:54 | +30:12 | 75 | 5m | H#!! |
| 188 | WMP | | | ↑ | | |
| 189 | O00015 | 14:56 | +30:14 | 75 | 10m | em |
| 190 | WMP | | | ↑ | | |
| 191 | N002973 | 14:56 | +31:29 | 75 | 9m | |
| 192 | WMP | | | ↑ | | |
| 193 | N000662 | 16:02 | +32:08 | 75 | 3m | |
| 194 | WMP | | | ↑ | | |
| 195 | Z004625 | 16:03 | +27:10 | 75 | 2m | |
| 196 | WMP | | | ↑ | | clouds all over & down |
| 197 | N002980 | 16:03 | +26:32 | 75 | 3m | |
| 198 | WMP | | | ↑ | | |
| 199-200 | AGDa | 16:01 | +66:48 | 12 | 20x25 | |
| 201 | WMP | | | ↑ | | |
| 202-204 | HD142281 | 20:10 | +40:07 | 56 | 5s | |
| 205 | WMP | | | ↑ | | |
| 206-215 | BFAS | | | | 12s | pointing tests for Nelson |
| 216-215 | FLAT | | | | 6s | |
| 216-235 | BFAS | | | | 0s | bm by Z |
| 236-215 | FLAT | | | | 12s | " |

★ End of FAST Run ★