

60 inch Telescope Log

Observer: PBerlindPI: MegeathSpectrograph: FASTGrating: 300RDate: 12/14/99Page: 8074

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|--------|------------|--------|------|-----|-----|-------------------------|
| 1-10 | BIAS | | | | 0s | |
| 11-20 | FLAT | | | | 7s | |
| 21-30 | BIAS | | | | 0s | lots of thick cirrus |
| 31-40 | FLAT | | | | 14s | |
| 41-45 | SKY | Zenith | | S6 | 2s | ARC sunset. |
| 46 | COMP | | | ↑ | 5s | |
| 47-49 | XZ | | | 87 | 2s | |
| 50 | COMP | | | ↑ | | |
| 51-53 | Calasec | | | 87 | 2s | |
| 54 | COMP | | | ↑ | | |
| 55-57 | HD217056 | | | 87 | 2s | |
| 58 | COMP | | | ↑ | | |
| 59-61 | BS-8989 | | | 87 | 2s | |
| 62 | COMP | | | ↑ | | |
| 63-65 | BS-152 | | | 87 | 2s | |
| 66 | COMP | | | ↑ | | |
| 67-69 | Calasec-28 | | | 87 | 2s | |
| 70 | COMP | | | ↑ | | |
| 71-73 | BS341 | | | 87 | 2s | |
| 74 | COMP | | | ↑ | | |
| 75-77 | 107P5C | | | 87 | 2s | |
| 78 | COMP | | | ↑ | | |
| 79-80 | M31 | 00:40 | +40 | 57 | 30s | |
| 81 | COMP | | | ↑ | | |
| 82-83 | M32 | 00:39 | +40 | 57 | 1m | |
| 84 | COMP | | | ↑ | | |
| 85-87 | HD12623 | | | 57 | 2s | |
| 88 | COMP | | | ↑ | | |
| 89-91 | HD13686 | | | 87 | 2s | |
| 92 | COMP | | | ↑ | | |

60 inch Telescope Log

Observer: PBPI: Scott/AmSpectrograph: FASTGrating: 3000Date: 12/14/99Page: 9075

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|--------|-------------|-------|--------|-----|-----|-----------------------------|
| 93 | 022155p5705 | 02:21 | +57:05 | 83 | 10m | |
| 94 | COMP | | | ↑ | | |
| 95 | 022256p5712 | 02:22 | +57:12 | 83 | 15m | stop + go through clouds |
| 96 | COMP | | | ↑ | | |
| 97 | 022709p5710 | 02:23 | +57:10 | 83 | 12m | |
| 98 | COMP | | | ↑ | | |
| 99 | 022259p5712 | 02:22 | +57:12 | 83 | 15m | |
| 100 | COMP | | | ↑ | | |
| 101 | 022705p5706 | 02:23 | +57:06 | 83 | 15m | |
| 102 | COMP | | | ↑ | | |
| 103 | 022305p5710 | 02:23 | +57:10 | 83 | 10m | |
| 104 | COMP | | | ↑ | | |
| 105 | 022306p5708 | 02:23 | +57:08 | 83 | 5m | |
| 106 | COMP | | | ↑ | | |
| 107 | 022207p5704 | 02:23 | +57:04 | 83 | 7m | |
| 108 | COMP | | | ↑ | | |
| 109 | 022307p5710 | 02:23 | +57:10 | 83 | 15m | |
| 110 | COMP | | | ↑ | | |
| 111 | 022308p5706 | 02:23 | +57:06 | 83 | 15m | |
| 112 | COMP | | | ↑ | | |
| 113 | 022309p5704 | 02:23 | +57:04 | 83 | 15m | |
| 114 | COMP | | | ↑ | | |
| 115 | 022311p5708 | 02:23 | +57:08 | 83 | 20m | |
| 116 | COMP | | | ↑ | | |
| 117 | 022136p5715 | 02:21 | +57:15 | 83 | 20m | redo from 12/5/99 |
| 118 | COMP | | | ↑ | | |
| 119 | 022148p5713 | 02:21 | +57:13 | 83 | 20m | ☉ bmbg2 |
| 120 | COMP | | | ↑ | | |
| 121 | 022155p5713 | 02:21 | +57:13 | 83 | 15m | |
| 122 | COMP | | | ↑ | | |

60 inch Telescope Log

Observer: PBPI: AnnSpectrograph: FASTGrating: 3002Date: 12/14/99Page: 8076

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|---------|-------------|-------|--------|-----|-----|------------------------|
| 123 | 022157p570 | 02:21 | +57:0 | 83 | 12m | clouds. |
| 124 | WMP | | | ↑ | | |
| 125 | 022200p5703 | 02:22 | +57:03 | 83 | 12m | |
| 126 | WMP | | | ↑ | | |
| 127 | 022200p5710 | 02:22 | +57:10 | 83 | 8m | |
| 128 | WMP | | | ↑ | | |
| 129 | 022201p5710 | 02:22 | +57:10 | 83 | 6m | |
| 130 | WMP | | | ↑ | | |
| 131 | 022203p5705 | 02:22 | +57:05 | 83 | 7m | |
| 132 | WMP | | | ↑ | | |
| 133 | 022158p5702 | 02:21 | +57:06 | 83 | 12m | bin by 2; bit's nearby |
| 134 | WMP | | | ↑ | | |
| 135 | 022158p5706 | 02:21 | +57:06 | 83 | 5m | |
| 136 | WMP | | | ↑ | | |
| 137 | 022155p5715 | 02:21 | +57:15 | 83 | 8m | |
| 138 | WMP | | | ↑ | | |
| 139-140 | Caltech 23 | | | | | 2" slit ↓ |
| 141 | WMP | | | | | |
| 142-144 | HD 28487 | | | | | |
| 145 | WMP | | | | | |
| 146-MK | HD 27271 | 04:20 | +50:16 | 87 | | |
| 149 | WMP | | | ↑ | | |
| 150-1 | tau Cen | 07:11 | +30:15 | 87 | | |
| 152 | WMP | | | ↑ | | |
| 153-55 | chi Cen | 04:03 | +21:48 | 87 | | |
| 156 | WMP | | | ↑ | | |
| 157-5 | 41 Cen | 05:07 | +10:16 | 87 | | |
| 160 | WMP | | | ↑ | | |

60 inch Telescope Log

Observer: PBPI: McCarthy CalvertSpectrograph: FASTGrating: 300LDate: 12/17/99Page: 8077

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|---------|----------------|-------|--------|-----|---------|--------------------|
| 161-163 | 96-180 | 04:51 | -10:08 | 87 | 60s-30s | 2" Slit ↓ |
| 164 | COMP | | | ↑ | | |
| 165-167 | 98-193 | 0652 | -10:27 | 87 | 2m | clearing area |
| 168 | COMP | | | ↑ | | |
| 169-171 | 99-185 | 07:57 | -10:45 | 87 | 60s | |
| 172 | COMP | | | ↑ | | |
| 173 | Hiltner 600 | 06:42 | +02:42 | 56 | 60s | |
| 174 | COMP | | | ↑ | | |
| 175 | Hiltner 600 | 06:42 | +02:42 | 56 | 60s | 3" Slit ↓ |
| 176 | COMP | | | ↑ | | |
| 177 | 955016 S6418EW | 05:33 | -01:14 | 112 | 15m | bin by 2 ETW comps |
| 178 | COMP | | | ↑ | | |
| 179 | 1639203 | 05:33 | -01:46 | 112 | 8m | |
| 180 | COMP | | | ↑ | | |
| 181 | 1649518 | 05:35 | -10:27 | 112 | 12m | |
| 182 | COMP | | | ↑ | | |
| 183 | 1649584 | 05:35 | -10:28 | 112 | 12m | |
| 184 | COMP | | | ↑ | | |
| 185 | 1660227 | 05:37 | -01:08 | 112 | 12m | |
| 186 | COMP | | | ↑ | | |
| 187 | 1661016 | 05:38 | -01:13 | 112 | 5m | |
| 188 | COMP | | | ↑ | | |
| 189 | 1661173 | 05:38 | -01:16 | 112 | 12m | |
| 190 | COMP | | | ↑ | | |
| 191 | 1661927 | 05:39 | -01:20 | 112 | 15m | |
| 192 | COMP | | | ↑ | | |
| 193 | 95766-104 | 07:29 | +55:22 | 64 | 15m | |
| 194 | COMP | | | ↑ | | |

60 inch Telescope Log

Observer: PBPI: Ken & Tom McGrathSpectrograph: FASTGrating: 3002Date: 12/14/99Page: 8078

| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|---------|-----------|-------|--------|-----|----------|---------------|
| 195 | a5766-105 | 07:30 | +56:45 | 64 | 12m | good sky! |
| 196 | COMP | | | ↑ | | |
| 197 | SN1999gd | 08:38 | +25:45 | 2 | 20m | PA=90 |
| 198 | COMP | | | ↑ | | |
| 199 | a5766-116 | 07:19 | +56:48 | 64 | 11m | |
| 200 | COMP | | | ↑ | | |
| 201 | 119 | 07:23 | +56:33 | 64 | 11m | |
| 202 | COMP | | | ↑ | | |
| 203 | 120 | 07:25 | +54:22 | 64 | 12m | |
| 204 | COMP | | | ↑ | | |
| 205 | 121 | 07:23 | +54:26 | 64 | 10m | |
| 206 | COMP | | | ↑ | | |
| 207 | 122 | 07:21 | +54:40 | 64 | 12m | comp gal to W |
| 208 | COMP | | | ↑ | | |
| 209-210 | 100-162 | 08:53 | -00:43 | 87 | 30s, 15s | 2" slit ↓ |
| 211 | COMP | | | ↑ | | |
| 212-213 | 100-394 | 08:53 | -00:32 | 87 | 60s, 2m | |
| 214 | COMP | | | ↑ | | |
| 215-6 | 101-315 | 09:51 | -00:27 | 87 | 2m | |
| 217 | COMP | | | ↑ | | |
| 218-219 | 101-324 | 09:55 | -00:23 | 87 | 30s | |
| 220 | COMP | | | ↑ | | |
| 221-223 | 101-333 | 09:56 | -00:27 | 87 | 10s, 5s | |
| 224 | COMP | | | ↑ | | |
| 225-226 | 102-466 | 10:41 | -00:55 | 87 | 30s, 1m | |
| 227 | COMP | | | ↑ | | |
| 228-230 | 102-620 | 10:55 | -00:48 | 87 | 1m | |
| 231 | COMP | | | ↑ | | |

60 inch Telescope Log

Observer: PBPI: Tom M.Spectrograph: FASTGrating: 300LDate: 12/17/99Page: 8079

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|---------|----------|-------|--------|-----|---------|-----------------------|
| 232-233 | 103-526 | 11:56 | -0:30 | 87 | 1m/2m | 2" slit ↓ |
| 234 | COMP | | | ↑ | | |
| 235-237 | HD-73974 | 08:41 | +19:53 | 87 | 13s | |
| 238 | COMP | | | ↑ | | |
| 239 | Ferje 34 | 10:39 | +43 | 86 | 2m | |
| 240 | COMP | | | ↑ | | |
| 241-2 | 61-Uma | 11:41 | +9:12 | 87 | 1s | |
| 243 | COMP | | | ↑ | | |
| 244-6 | 104-206 | 12:41 | -0:37 | 87 | 10, 20s | |
| 247 | COMP | | | ↑ | | |
| 248 | 104-428 | 12:41 | -0:26 | 87 | 4m | |
| 249 | COMP | | | ↑ | | |
| 250 | 104-237 | 12:42 | -0:51 | 87 | 8m | |
| 251 | COMP | | | ↑ | | |
| 252 | 104-443 | 12:42 | -0:25 | 87 | 8m | |
| 253 | COMP | | | ↑ | | |
| 254 | 104-479 | 12:43 | -0:32 | 87 | 12m | PA-85 yes! New |
| 255 | COMP | | | ↑ | | supernova discovery!! |
| 256 | 104-239 | 12:42 | -0:46 | 87 | 5m | off to W |
| 257 | COMP | | | ↑ | | |
| 258 | 104-460 | 12:43 | +0:28 | 87 | 5m | |
| 259 | COMP | | | ↑ | | |
| 260 | 104-489 | 12:44 | -0:30 | 87 | 5m | |
| 261 | COMP | | | ↑ | | |
| 267-3 | 104-598 | 12 | -0 | 87 | 3m | |
| 264 | COMP | | | ↑ | | |
| 265 | H244 | 13:01 | +36:23 | 86 | 3m | |
| 266 | COMP | | | ↑ | | |
| 267-26 | FLAT | | | | 10s | |
| 277-286 | FLAT | | | | 7s | 3" slit ↓ |
| 287-296 | BIAS | | | | 0s | |
| 297-306 | FLAT | | | | 14s | |
| 307-316 | BIAS | | | | | |
| 317-326 | DARK | | | | 15m | |