

| 60 inch Telescope Log | | | | Spectrograph: <u>FAST</u> | | Page: <u>614</u> |
|--------------------------|---------------|------------|-----------|---------------------------|----------|---------------------------------|
| Observer: <u>KORSAH</u> | | | | Grating: <u>300-L</u> | | Date: <u>3/19/98</u> |
| PI: <u>KATYON/WILKES</u> | | | | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 1-10 | BIAS | | | 0 | 01 | BIN x4 3" SLIT |
| 11-20 | BIAS | | | 0 | 05 | BIN x2 |
| 21-25 | DARK | | | 0 | 15m | BIN x2 |
| 26-35 | FLAT | | | 0 | 65 | BIN x1 |
| 36-45 | FLAT | | | 0 | 125 | BIN x2 |
| 46-55 | FLAT | | | 0 | 205 | BIN x4 1.5" SLIT |
| 56-60 | DARK | | | 0 | 15m | BIN x4 3" SLIT |
| 61-65 | FLY | | | 0 | 25 | BIN x2 |
| 66 | COMP | | | ↑ | 125 | |
| 67-71 | SET | | | 0 | 25 | BIN x4 |
| 72 | COMP | | | ↑ | 65 | |
| 73,74 | HILTNER 600 | 06:42:32.2 | 02:11:25 | 56 | 455 | BEAUTIFUL WEATHER! |
| 75 | COMP | | | ↑ | 65 | |
| 76,77 | N1700 | 04:54:28 | -04:56:30 | 57 | 4m | |
| 78 | COMP | | | ↑ | 65 | |
| 79,80 | HD 52731 | 06:57:51 | 12:17:42 | 57 | 55 | |
| 81 | COMP | | | ↑ | 65 | |
| 82,83 | ACK 2 p 14783 | 07:12:47 | 14:59:38 | 57 | 55 | |
| 84 | COMP | | | ↑ | 65 | |
| 85,86 | DR Tau | 01:27:05 | 12:08:16 | 12 | 125,905 | |
| 87 | COMP | | | ↑ | 65 | |
| 88,89 | DL Tau | 04:38:39 | 12:02:39 | 12 | 305,2405 | |
| 90 | COMP | | | ↑ | 65 | |
| 91,92 | DR Tau | 01:47:05 | 11:58:37 | 12 | 125,805 | |
| 93 | COMP | | | ↑ | 65 | |
| 94,95 | RW Aur | 05:07:49 | +30:24:06 | 12 | 55,305 | |
| 96 | COMP | | | ↑ | 65 | |
| 97 | Alk 170 | 05:13:38 | -00:12:15 | 6 | 3m | SEAR ON SLIT TO W. DO NOT TOUCH |
| 98 | COMP | | | ↑ | | |

60 Inch Telescope Log
 Observer: KORANYI
 PI: McCLINTOCK/BARTON/KORANYI

Spectrograph: FAST
 Grating: 1300L
 Date: 3/19/98

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| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|---------|-------------|------------|------------|-----|----------|--|
| 99,100 | HD 215770 | 05:38:54.5 | 26:18:57.1 | 77 | 30s, 30s | } |
| 101 | COMP | | | ↑ | 8s | |
| 102,103 | HD 39478 | 05:53:59.8 | 26:25:21.2 | 77 | 25s, 25s | } 1.1" SLIT |
| 104 | COMP | | | ↑ | 8s | |
| 105,106 | PGC 0238546 | 08:23:01.0 | 54:53:58 | 56 | 4m, 4m | SFD STAR |
| 107 | COMP | | | ↑ | 6s | |
| 108 | ngcl-007 | 08:11:13.6 | 25:12:23.5 | 73 | 8m | FACE-ON SPIRAL |
| 109 | COMP | | | ↑ | 6s | |
| 110 | ngcl-008 | 08:11:16.0 | 25:10:45.4 | 73 | 8m | |
| 111 | COMP | | | ↑ | 6s | |
| 112 | ngcl-014 | 08:19:45.4 | 22:21:53.4 | 73 | 8m | |
| 113 | COMP | | | ↑ | 6s | |
| 114 | ngcl-018 | 08:38:11.0 | 24:53:42 | 73 | 8m | |
| 115 | COMP | | | ↑ | 6s | |
| 116 | ngcl-011 | 08:18:49.2 | 21:31:24 | 73 | 20m | MERIDIAN CROSSING |
| 117 | COMP | | | ↑ | 6s | |
| 118 | ngcl-012 | 08:19:01.9 | 21:11:02.5 | 73 | 20m | |
| 119 | COMP | | | ↑ | 6s | |
| 120 | ngcl-013 | 08:19:41.3 | 22:02:31.1 | 73 | 18m | |
| 121 | COMP | | | ↑ | 6s | |
| 122 | ngcl-017 | 08:36:07.1 | 24:53:08 | 73 | 15m | |
| 123 | COMP | | | ↑ | 6s | |
| 124 | ngcl-041 | 09:59:42 | 03:37:18.9 | 35 | 15m | |
| 125 | COMP | | | ↑ | 6s | |
| 126 | ngcl-043 | 09:59:24.3 | 02:30:43.4 | 35 | 20m | |
| 127 | COMP | | | ↑ | 6s | |
| 128 | ngcl-054 | 12:04:32.3 | 02:27:09 | 35 | 18m | |
| 129 | COMP | | | ↑ | 6s | |
| 130 | ngcl-055 | 12:04:30.0 | 02:26:57.5 | 35 | 20m | V. FAINT! yes, but has ^{30m} from lines |
| 131 | COMP | | | ↑ | 6s | |

| 60 inch Telescope Log | | | Spectrograph: <u>FAST</u> | | Page: <u>616</u> | |
|---|-----------------|------------|---------------------------|-----|----------------------|---------------------|
| Observer: <u>D. KORANYI</u> | | | Grating: <u>300-L</u> | | Date: <u>3/19/98</u> | |
| PI: <u>KORANYI/WASTNER/WILKES/LANZA</u> | | | | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 132 | m64-56 | 12:04:02.0 | 20:26:39.4 | 35 | 12m | |
| 133 | COMP | | | ↑ | 6s | |
| 134 | m64-57 | 12:05:20.7 | 20:14:41.7 | 35 | 15m | |
| 135 | COMP | | | ↑ | 6s | |
| 136 | m64-62 | 12:06:22.9 | 20:28:17.1 | 35 | 15m | |
| 137 | COMP | | | ↑ | 6s | |
| 138 | m64-65 | 12:07:55.4 | 20:28:58 | 35 | 15m | |
| 139 | COMP | | | ↑ | 6s | |
| 140, 141, 142 | SN1998S | 11:46:26.2 | 47:25:55 | 2 | 3x5m | BIN x2 |
| 143 | COMP | | | ↑ | 12s | |
| 144 | 4244 | 13:21:19.0 | 36:23:39 | 2 | 3m | ↓ |
| 145 | COMP | | | ↑ | 12s | |
| 146 | MRL471 | 11:01:40.6 | 38:24:43 | 6 | 4m | BIN x4 → |
| 147 | COMP | | | ↑ | 6s | |
| 148 | N4051 | 12:00:36.4 | 44:48:35 | 6 | 2m | |
| 149 | COMP | | | ↑ | 6s | |
| 150 | N4151 | 12:08:01 | 39:41:01 | 6 | 30s | |
| 151 | COMP | | | ↑ | 6s | |
| 152 | MRL 279 | 13:57:53.6 | 69:53:13 | 6 | 3m | |
| 153 | COMP | | | ↑ | 6s | |
| 154 | SBS 1425 p 606 | 14:25:33 | 60:38:16 | 6 | 10m | |
| 155 | COMP | | | ↑ | 6s | |
| 156 | N5548 | 14:15:43.5 | 25:22:01 | 6 | 3m | |
| 157 | COMP | | | ↑ | 6s | |
| 158 | SN1997eg | 13:11:36.7 | 22:55:29.4 | 2 | 15m | BIN x2 BIN x1 TO E: |
| 159 | COMP | | | ↑ | 12s | STAR <u>SN</u> |
| 160 | SNR 2.51 | 12:53:43.0 | 24:00:15.5 | 35 | 15m | BIN x4 → |
| 161 | COMP | | | ↑ | 6s | MOON UP. |
| 162 | M367, 1353, 302 | 11:35:42.8 | 22:49:27.1 | 64 | 8m | |
| 163 | COMP | | | ↑ | 6s | |

60 inch Telescope Log

Observer: J. KORANYI

PI: GELER/MAHDANI

Spectrograph: FAST

Grating: 300-R

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Date: 3/19/98

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|--------|-----------------|------------|------------|-----|-----|--------------------------------|
| 164 | 21367.1353.340 | 11:35:26.2 | 22:28:45.4 | 64 | 8m | |
| 165 | COMP | | | + | 6s | |
| 166 | " " .341 | 11:35:29.2 | 22:28:42.8 | 64 | 5m | |
| 167 | COMP | | | + | 6s | |
| 168 | .443 | 11:34:13.4 | 22:40:01.8 | 64 | 7m | |
| 169 | COMP | | | + | 6s | |
| 170 | .456 | 11:36:29.4 | 22:25:57.6 | 64 | 6m | |
| 171 | COMP | | | + | 6s | |
| 172 | .525 | 11:35:54.5 | 22:00:01.7 | 64 | 5m | |
| 173 | COMP | | | + | 6s | |
| 174 | .552 | 11:28:29.7 | 22:02:32.4 | 64 | 5m | |
| 175 | COMP | | | + | 6s | |
| 176 | 21367.1406.2541 | 11:39:59.0 | 20:08:35.0 | 64 | 4m | |
| 177 | COMP | | | + | 6s | |
| 178 | .2542 | 11:41:52.4 | 20:14:18.5 | 64 | 5m | |
| 179 | COMP | | | + | 6s | |
| 180 | .2561 | 11:44:25.7 | 20:14:53.1 | 64 | 5m | |
| 181 | COMP | | | + | + | |
| 182 | nrq6244.026 | 13:24:51.9 | 13:35:49.0 | 59 | 6m | |
| 183 | COMP | | | + | 6s | |
| 184 | nrq6244.027 | 13:24:52.2 | 13:35:47.7 | 59 | 8m | <i>extruded peak</i> |
| 185 | COMP | | | + | 6s | |
| 186 | nrq6244.028 | 13:24:56.0 | 13:35:42.3 | 59 | 8m | |
| 187 | COMP | | | + | 6s | |
| 188 | nrq6244.029 | 13:25:14.4 | 13:33:58 | 59 | 5m | |
| 189 | COMP | | | + | 6s | |
| 190 | nrq6244.030 | 13:25:16.0 | 13:28:22 | 59 | 11m | <i>THIN CLOUDS DURING EXP.</i> |
| 191 | COMP | | | + | 6s | |
| 192 | nrq6244.031 | 13:25:26.9 | 13:34:12.0 | 59 | 11m | |
| 193 | COMP | | | + | 6s | |

60 inch Telescope Log

Observer: D. KORANYIPI: MAIDANI/CARTER/KUSHNER/KENTONSpectrograph: FASTGrating: 300-LINEPage: 618Date: 3/19/98

| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
|----------|-------------|------------|------------|-----|---------|-------------------------------------|
| 194 | Mrk 244.032 | 17:25:34.1 | 15:04:08 | 59 | 8m | |
| 195 | COMP | | | ↑ | 6s | |
| 196 | 2006268 | 17:58:06.1 | 28:25:21.3 | 75 | 8m | CLOUDS DURING EXPOSURE |
| 197 | COMP | | | ↑ | 6s | |
| 198 | SN1988V | 18:22:37.4 | 15:42:09.4 | 2 | 15m | CLOUDS DRIFTING THROUGH DURING EXP. |
| 199 | COMP | | | ↑ | 12s | BIN #4 COMMENTS WRONG!! |
| 200 | NGC 2964 | 18:57:34.2 | 30:05:31.2 | 75 | 10m | BIN #4 ↓ |
| 201 | COMP | | | ↑ | 6s | |
| 202 | NGC 259 | 18:59:39.3 | 28:05:39.1 | 75 | 9m | |
| 203 | COMP | | | ↑ | 6s | |
| 204 | NGC 285 | 14:17:20.9 | 26:51:29.8 | 75 | 4m | INCREASING CIRRUS |
| 205 | COMP | | | ↑ | 6s | |
| 206 | NGC 46 | 15:05:56.9 | 01:47:53 | 57 | 5m | CLOUDS - SKY GETTING BRIGHTER |
| 207 | COMP | | | ↑ | 6s | |
| 208, 209 | NGC 202 | 16:01:41 | 66:48:10 | 12 | 25, 20s | |
| 210 | COMP | | | ↑ | 6s | |
| 211, 212 | NGC 332642 | 15:50:03 | 33:05:49 | 56 | 1m | |
| 213 | COMP | | | ↑ | 6s | |
| 214 | PGC 708,602 | | | 56 | 3m | |
| 215 | COMP | | | ↑ | 6s | |
| 216-225 | BIAS | | | 0 | 0s | BIN #4 |
| 226-235 | FLAT | | | 0 | 6s | BIN #4 |
| 236-245 | BIAS | | | 0 | 0s | BIN #2 |
| 246-255 | FLAT | | | 0 | 12s | BIN #2 |