

Moon @ On Jan 28 UT 02^h 46^m
+ 13° 57'

| 60 inch Telescope Log | | Spectrograph: <u>FAST</u> | | | | |
|---------------------------|----------|-------------------------------------------------------|-----------|-----|-----|--------------------------|
| Observer: <u>T Lappin</u> | | Grating: <u>3000 3" slit</u> bin by Page: <u>4355</u> | | | | |
| PI: <u>Kenyon</u> | | Date: <u>27 Jan 96</u> | | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 1-10 | BIAS | | | | | Cirrus everywhere |
| 11-20 | FLAT | | | | | moving fairly fast |
| 21-25 | sky | | | | 2.5 | @ 6:05 pm MST |
| 26 | comp | | | ↑ | | |
| 27-31 | HD217086 | 22 54 49.0 | +622735 | 0 | 5s | |
| 32 | comp | | | ↑ | | |
| 33-35 | M31 | 00 40 00.0 | +40 59 42 | 0 | 30s | |
| 36 | comp | | | ↑ | | |
| 37-39 | M31 sky | 00 42 48 | +41 24 15 | 0 | 30s | |
| 40 | comp | | | ↑ | | |
| 41-43 | M32 | 00 39 58.2 | +40 35 30 | 0 | 30s | |
| 44 | comp | | | ↑ | | |
| 45-47 | M32 | 00 39 58.2 | +40 35 30 | 0 | 30s | |
| 48 | comp | | | ↑ | | |
| 49 | NGC 335 | 00 03 45.1 | +19 55 27 | 6 | 90s | |
| 50 | comp | | | ↑ | | |
| 51 | HBC 360 | 04 01 42.1 | +21 50 11 | 30 | 10m | |
| 52 | comp | | | ↑ | | |
| 53 | HBC 362 | 04 02 33.8 | +21 43 05 | 30 | 10m | |
| 54 | comp | | | ↑ | | |
| 55 | LkCa1 | 04 10 08.5 | +28 11 35 | 30 | 10m | Cirrus everywhere - halo |
| 56 | comp | | | ↑ | | around moon, all stars |
| 57 | CZ Tau | 04 15 25.6 | +28 09 44 | 30 | 10m | fuzzy |
| 58 | comp | | | ↑ | | |
| 59 | HBC 372 | 04 15 29.4 | +16 51 30 | 30 | 10m | |
| 60 | comp | | | ↑ | | |
| 61 | Hubble 4 | 04 15 40.9 | +28 12 54 | 30 | 7m | |
| 62 | comp | | | ↑ | | |
| 63 | HBC 376 | 04 15 59.1 | +17 16 01 | 30 | 7m | still cirrus |
| 64 | comp | | | | | |

60 inch Telescope Log

Observer: J LappinPI: Kenyon/BrisenoSpectrograph: FASTGrating: 3000, 3" slit, binby 4 Page: 4356Date: 27 Jan 96

| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|--------|----------|-------------|-------------|-----|-----|--------------------------|
| 65 | BPTau | 04 16 08.1 | +28 59 13 | 30 | 7m | thicker cirrus moving in |
| 66 | comp | | | ↑ | | |
| 67 | V819 Tau | 04 16 19.9 | +28 19 03 | 30 | 10m | clouds for a while |
| 68 | comp | | | ↑ | | |
| 69 | LkCa7 | 04 16 37.8 | +27 42 28 | 30 | 10m | |
| 70 | comp | | | ↑ | | |
| 71 | DE Tau | 04 18 49.8 | +27 48 05 | 30 | 10m | clouds in + out |
| 72 | comp | | | ↑ | | |
| 73 | RY Tau | 04 18 50.9 | +28 19 35 | 30 | 5m | saturated |
| 74 | comp | | | ↑ | | |
| 75 | HD283572 | 04 18 52.5 | +28 11 07 | 30 | 5m | saturated |
| 76 | comp | | | ↓ | | |
| 77 | HD283572 | 04 18 52.5 | +28 11 07 | 30 | 3m | saturated |
| 78 | HD283572 | 04 18 52.5 | +28 11 07 | 30 | 1m | some pixels > 25,000 |
| 79 | comp | | | ↑ | | |
| 80 | RY Tau | 04 18 50.9 | +28 19 35 | 30 | 1m | OK |
| 81 | comp | | | ↑ | | |
| 82 | T Tau | 04 19 04.2 | +19 25 05 | 30 | 1m | |
| 83 | comp | | | ↑ | | |
| 84 | IP Tau | 04 21 52.1 | +27 05 08 | 30 | 10m | |
| 85 | comp | | | ↑ | | |
| 86 | I 4872 | 04 22 14.0 | +26 11 02 | 30 | 10m | clouds still |
| 87 | comp | | | ↑ | | |
| 88 | FV Tau | 04 23 49.9 | +26 00 13 | 30 | 10m | |
| 89 | comp | | | ↑ | | |
| 90 | HBC 60 | 04 30 45.67 | +17 45 38.2 | 38 | 10m | |
| 91 | comp | | | ↑ | | |
| 92 | HBC 62 | 04 30 54.68 | +18 03 56.7 | 38 | 10m | clouds! |
| 93 | comp | | | ↑ | | |
| 94 | HBC 398 | 04 29 17.16 | +24 16 07.5 | 38 | 10m | |

| 60 inch Telescope Log | | | Spectrograph: <u>FAST</u> | | | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------|-----|-------------------|--------------------------|
| Observer: <u>T Lappin</u> | | | Grating: <u>300L, 3" slit, binby 4</u> | | Page: <u>4357</u> | |
| PI: <u>Briceno/Pantoja/Geller</u> | | | Date: <u>27 Jan 96</u> | | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 95 | comp | | | ↑ | | |
| 96 | HBC 417 | 04 33 15.41 | +25 36 55.1 | 38 | 10m | |
| 97 | comp | | | ↑ | | |
| 98 | +03-18-006 | 07 00 08.3 | +18 33 34.0 | 43 | 10m | |
| 99 | comp | | | ↑ | | |
| 100 | 0318005 | 06 58 12.0 | +19 42 00.0 | 43 | 20m | clouds - lost guide star |
| 101 | comp | | | ↑ | | |
| | files 98 and 100 were originally both called +03-18-006. I tried renaming them with the correct names (0318006 and 0318005) but probably did it wrong. | | | | | |
| 102 | 0700+1836 | 07 00 00.0 | +18 36 00 | 43 | 15m | |
| 103 | comp | | | ↑ | | |
| 104 | 0702 p1854 | 07 02 00.0 | +18 54 00 | 43 | 20m | circus still around |
| 105 | comp | | | ↑ | | |
| 106 | 318.000107 | 11 21 05.67 | +26 05 39.1 | 3 | 10m | |
| 107 | comp | | | ↑ | | |
| 108 | 318.000367 | 11 31 37.86 | +26 06 39.4 | 3 | 5m | |
| 109 | comp | | | ↑ | | |
| 110 | 318.000947 | 11 18 33.43 | +26 10 42.5 | 3 | 10m | circus clearing out but |
| 111 | comp | | | ↑ | | wind picking up, seeing |
| 112 | 318.000951 | 11 32 53.06 | +26 10 07.3 | 3 | 10m | not as good |
| 113 | comp | | | ↑ | | |
| 114 | 318.002001 | 11 11 22.77 | +26 15 30.4 | 3 | 10m | |
| 115 | comp | | | ↑ | | |
| 116 | 318.002424 | 11 11 35.37 | +26 18 27.9 | 3 | 10m | |
| 117 | comp | | | ↑ | | |
| 118 | 318.002459 | 11 11 39.31 | +26 18 41.9 | 3 | 10m | |

| 60 inch Telescope Log | | Spectrograph: <u>FAST</u> | | | | |
|---------------------------|------------|--------------------------------------|-------------|-----|-------------------|------------------|
| Observer: <u>T Lappin</u> | | Grating: <u>300L 3" slit binog 4</u> | | | Page: <u>4358</u> | |
| PI: <u>Geller</u> | | Date: <u>1/27/96</u> | | | | |
| Number | Object | R. A. | Dec. | L/R | Exp | Comments |
| 119 | Comp | | | ↑ | | |
| 120 | 318.002962 | 11 30 13.49 | +26 23 46.9 | 3 | 10m | |
| 121 | Comp | | | ↑ | | |
| 122 | 318.004183 | 11 11 05.89 | +26 29 46.3 | 3 | 10m | |
| 123 | Comp | | | ↑ | | |
| 124 | 318.004371 | 11 10 07.95 | +26 30 31.7 | 3 | 10m | |
| 125 | Comp | | | ↑ | | |
| 126 | 318.004428 | 11 34 02.26 | +26 32 24.0 | 3 | 10m | |
| 127 | Comp | | | ↑ | | |
| 128 | 318.005442 | 11 17 50.87 | +26 39 35.9 | 3 | 10m | |
| 129 | Comp | | | ↑ | | |
| 130 | 318.005613 | 11 27 26.74 | +26 40 50.1 | 3 | 10m | |
| 131 | Comp | | | ↑ | | |
| 132 | 318.005977 | 11 11 38.43 | +26 40 58.8 | 3 | 10m | |
| 133 | Comp | | | ↑ | | |
| 134 | 318.006610 | 11 27 16.28 | +26 46 55.7 | 3 | 10m | |
| 135 | Comp | | | ↑ | | |
| 136 | 318.006742 | 11 28 00.87 | +26 47 50.5 | 3 | 10m | |
| 137 | Comp | | | ↑ | | |
| 138 | N4151 | 12 08 01.1 | 39 41 01 | 6 | 30s | |
| 139 | Comp | | | ↓ | | |
| 140 | N4151 | 12 08 01.1 | 39 41 01 | 6 | 15s | |
| 141 | Mrk 279 | 13 51 53.6 | 69 33 13 | 6 | 90s | |
| 142 | Comp | | | ↑ | | |
| 143 | N5548 | 14 15 43.5 | 25 22 01 | 6 | 2m | |
| 144 | Comp | | | ↑ | | |
| 145 | H244 | 13 21 19.0 | 36 23 39 | 0 | 1m | |
| 146 | Comp | | | ↑ | | |
| 147-156 | FLAT | | | | | Cirrus @ Sunrise |
| 157-166 | BIAS | | | | | |

- end -