



WIYN OBSERVATORY

Schmitt

DIRECT IMAGER LOG

page 1

U.T. Date: Jan 19 2016 Observers: Richmond, Connelly, Punzi, Shah, OT:

CCD/comments: HDI / Filter Slots: 1 → 2 → Format: 6580 6620 6640 6740 Gain: 5 H/wide 6 W034 7 W027 8 empty

Readout Noise: 1590

| Disk Pic # | Observation | Integ. Time | Start U.T | Start H.A. | Air Mass | Focus | Filter | Seeing | Remarks |
|------------|-------------|-------------|-----------|------------|----------|-------|--------------|--------|------------------------|
| 1 | dark 1 | 1 | 00:18 | | | 32842 | | | |
| 2) | dark 1 | 1 | | | | | | | |
| 4) | dark 1 | | | | | | | | |
| 5) | dark 10 | 10 | 00:25 | | | | | | |
| 7) | | | | | | | | | |
| 8) | dark 100 | 100 | 00:31 | | | | | | |
| 10) | | | | | | | | | |
| 11) | dark 1000 | 1000 | 20:39 | | | | | | |
| 13) | | | | | | | | | |
| 14) | flat, | 18 | | | | | V | | too high, L100% |
| 15) | h, 90 5) | 15 | | | | | V | | |
| 19) | | | | | | | | | |
| 20) | | 30 | | | | 32805 | B | | Not high enough, L100% |
| 21) | 90 5) | 33 | | | | | B | | |
| 25) | | | | | | | | | |
| 26) | | 33 | | | | | B | | too high |
| 27) | | 30 | | | | | B | | too high |
| 28) | 90 5) | 28 | | | | | B | | |
| 32) | | 4 | | | | | B | | |
| 33) | 90 5) | 12 | | | | | V | | |
| 37) | | | | | | | | | |
| 38) | | 5 | | | | | R | | |
| 39) | 90 5) | 46 | | | | | R | | |
| 43) | | | | | | | | | |

7406



U.T Date: Jan 19, 2016 Observers: OT: _____

CCD/comments: _____ / _____ Format: _____ Gain: _____ Readout Noise: _____

Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____

| Disk Pic # | Observation | Integ. Time | Start U.T | Start H.A. | Air Mass | Focus | Filter | Seeing | Remarks |
|------------|---------------|-------------|-----------|------------|----------|-------|--------|--------|-----------------------|
| 44 | flats | 6 | | | | 32802 | I | | |
| 48 | | | | | | | | | |
| 49 |) 905 | 218 | | | | | U | | Counts too low |
| 50 | | 20 | | | | | U | | |
| 54 | | | | | | | | | |
| 55 | | 18 | | | | | 6580 | | Counts too high |
| 56 |) 905 | 16 | | | | | | | |
| 60 | | | | | | | | | |
| 64 |) 905 | 16 | | | | | | | |
| 67 | | 15 | | | | | | | |
| 68 | | 14 | | | | | | | |
| 68 | -74 biases | 1 | | | | | | | |
| 78 |) M35 (focus) | 10 | | | | 32648 | V | | Focus 32648, FWHM 7.8 |
| 79 | | | | | | 32848 | | | now FWHM 3.38 |
| 80 | | | | | | 33049 | | | now FWHM 14.4 |
| 81 | | | | | | 32800 | | | now FWHM 3.29 |
| 82 | HH UMa | | | | | | | | partly cloudy |
| 83 | | 24 | | | | | V | | |
| 84 | | 24 | | | 1.766 | | B | | |
| 85 | | | | | | | V | | |
| 86 | | | | | | | B | | |
| 87 | | | | | | 32786 | V | | |
| 88 | | | | | | | B | | |



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Filter Wheel (1,2) _____ Filter Slots: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____

| Disk Pic # | Observation | Integ. Time | Start U.T | Start H.A. | Air Mass | Focus | Filter | Seeing | Remarks | |
|------------|--|-------------|---------------------------|------------|-----------------|-------|--------------|--------|---|--|
| 84 167 | HHUMa | 24 | 11:00 | | | | | | B=even V=odd switched filters (B,V) | |
| 108 | ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ | 24 | | | | | | | | |
| 109 | | 15 | | | | | | | | |
| 110 | | | | | | | | | | |
| 111 | | | | | | | | | | |
| 112 | | | | | | | | | | |
| 113 | | | | | | | | | | |
| 114 | | | 15 | | | | | | | |
| 133 | | | | | | | | | | |
| 134 | | | 8 | 11:55 | | 1.48 | 32803 | V | | |
| 185 | | | | | | | | B | | |
| 188 | | | | | | | | | | |
| 184 208 | 25 images | 8 | 12:35 | | 1.28 | 32812 | B | | Cleared up, getting cloudy | |
| 209 | | 8 | 12:40 12:40 | | 1.20 | 32816 | B | | more cloudy 12:55 o again | |
| 233 | 25 images | 8 | 12:40 | | 1.15 | 32819 | B | | Whispy clouds | |
| 234 | | 8 | 1:35 | | 1.14 | 32820 | B | | This image and 232 | |
| 285 - 283 | | 8 | | | 1.04 | | V | | have moon / cloud structure | |
| 284 - 333 | | 8 | 2:19 | | 1.01 | | B → V → " | | even = V | |
| 384 | | 8 | 3:05 | | 1.01 | 32900 | V | | readjusting focus | |
| 335 | | 8 | | | | 32700 | V | | | |
| 336 | | 8 | | | | 32800 | V | | | |
| 337 | | 8 | 3:10 | | 1.01 | 32750 | V | 4.28 | | |

243 → ? overexposed

