

# VATT4k

STA0500A CCD

4064×4064 pixels, 15 microns

Gain = 1.9 e/DN

The full well is ADC limited (65k DN), so this is ~120,000 electrons.

Noise is ~3.9 electrons

Sensor is ITL sn8301

Updated 26-Jan-2018 MPL

\* A replacement STA0500A back illuminated 4K CCD, ITL serial number 8301, was installed March 2017, and updated 26 January 2018. It is similar to the September 2007 one, including its QE.

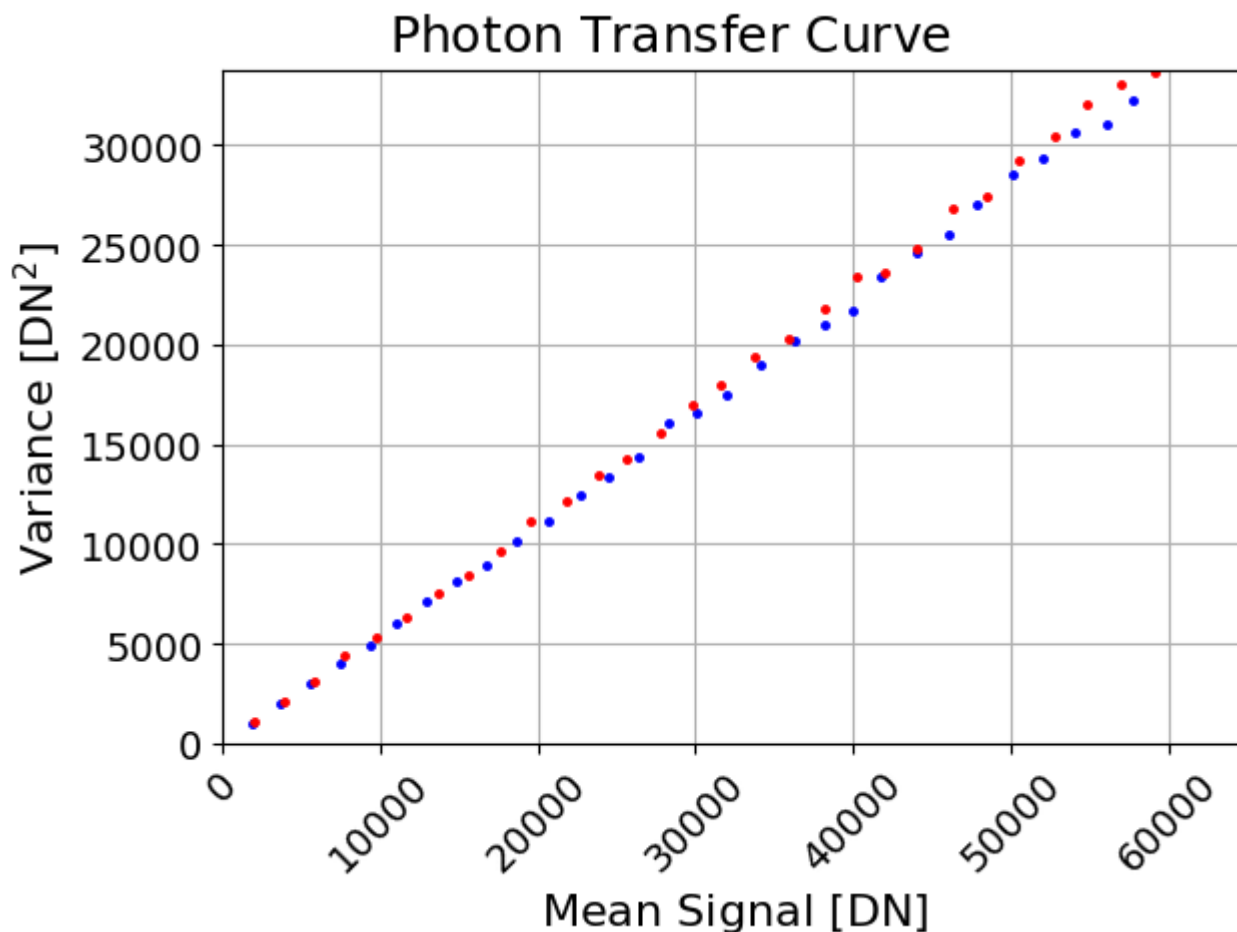
\* pixel scale: 0.188 arcsec/pixel

\* wavelength range: 300 - 1000 nm, peak 96% at 450 nm

\* Preamplifiers added October 2008 inside the dewar. These give faster readout and lower noise.

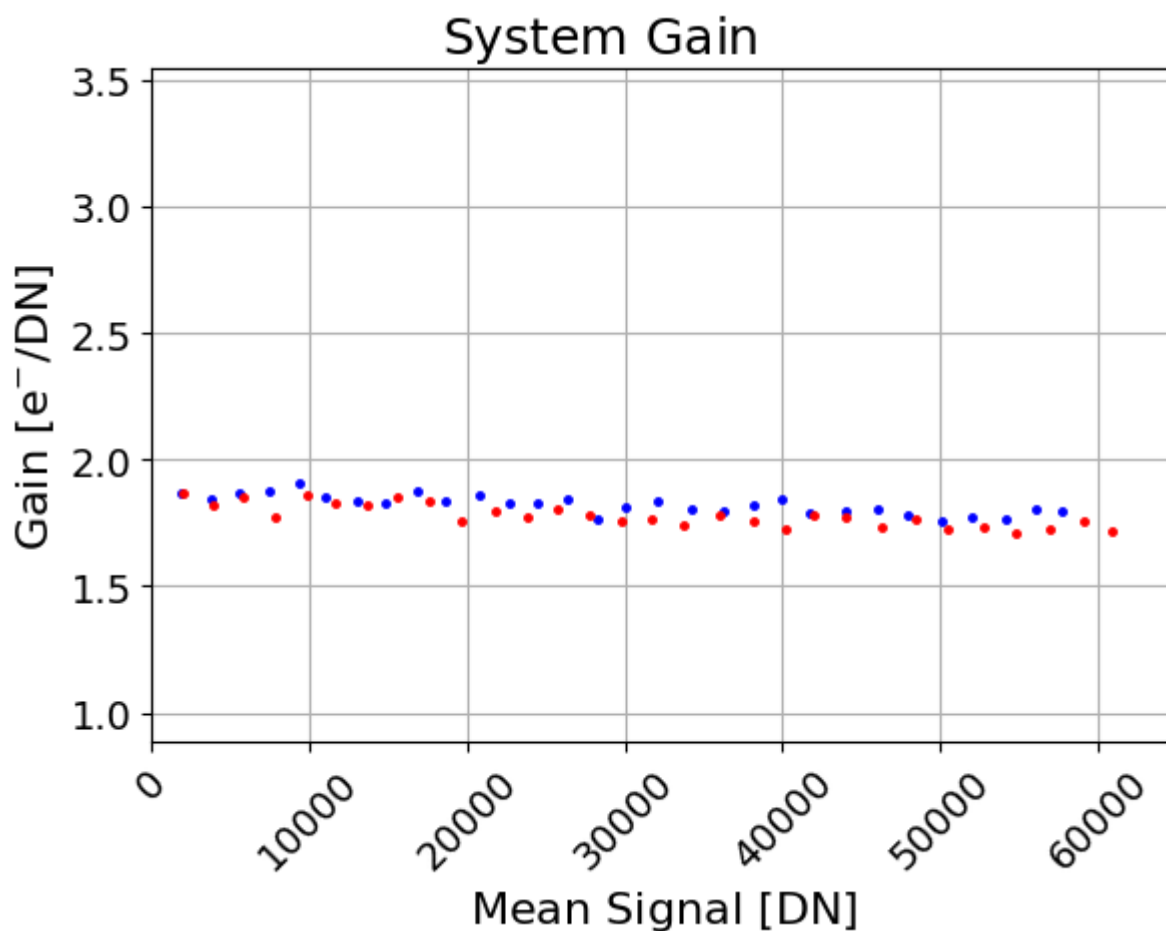
## Photon Transfer Curve

Unbinned



## Gain Curve

### Unbinned



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