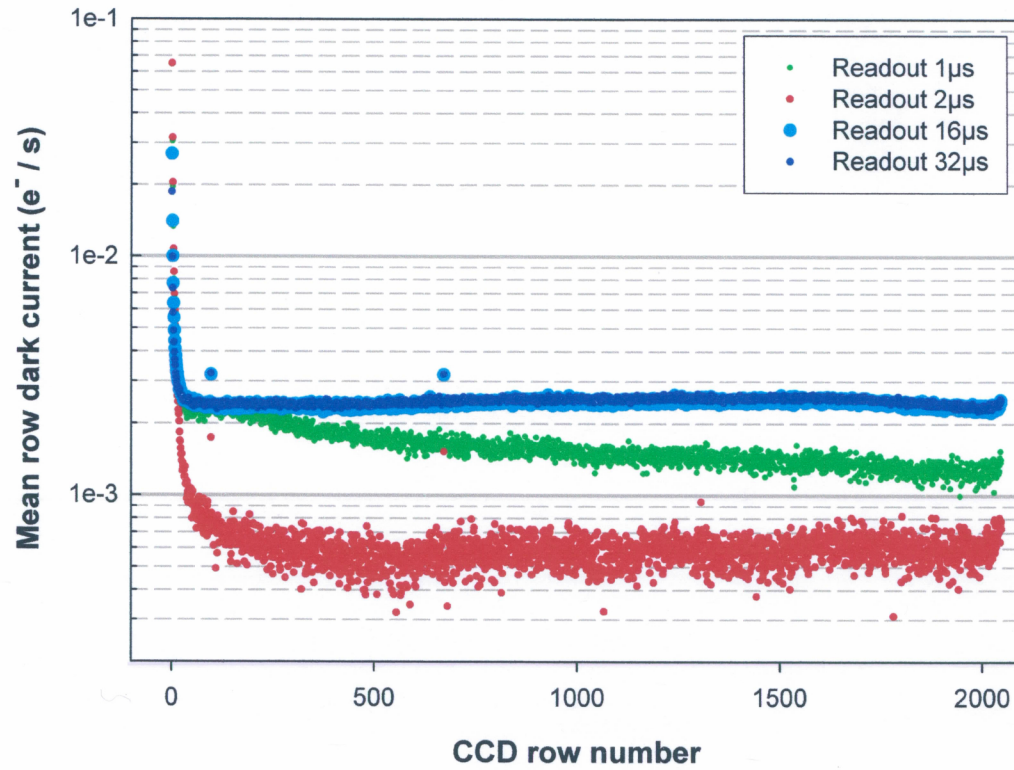


Andor DW436  
Row average dark current vs row number  
at CCD temperature -70° C

Mean dark in  $e^-$  per second per pixel

Readout  $1\mu s = 1.513 \times 10^{-3}$     Readout  $16\mu s = 2.438 \times 10^{-3}$

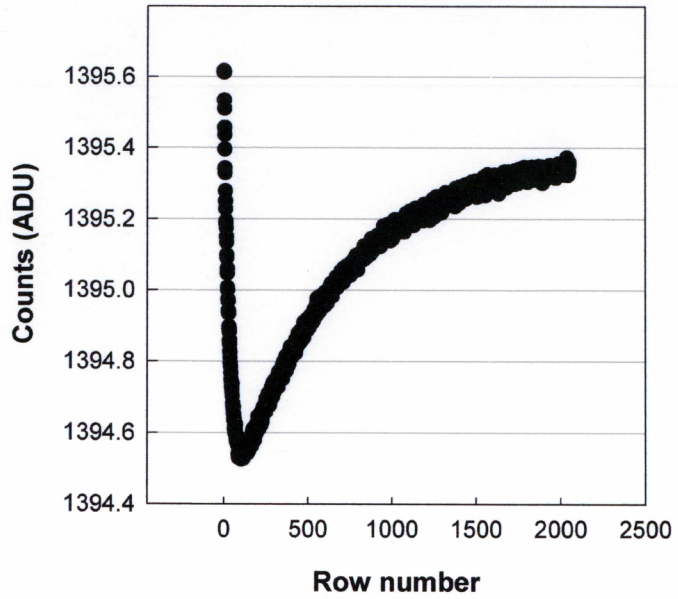
Readout  $2\mu s = 0.591 \times 10^{-3}$     Readout  $32\mu s = 2.490 \times 10^{-3}$



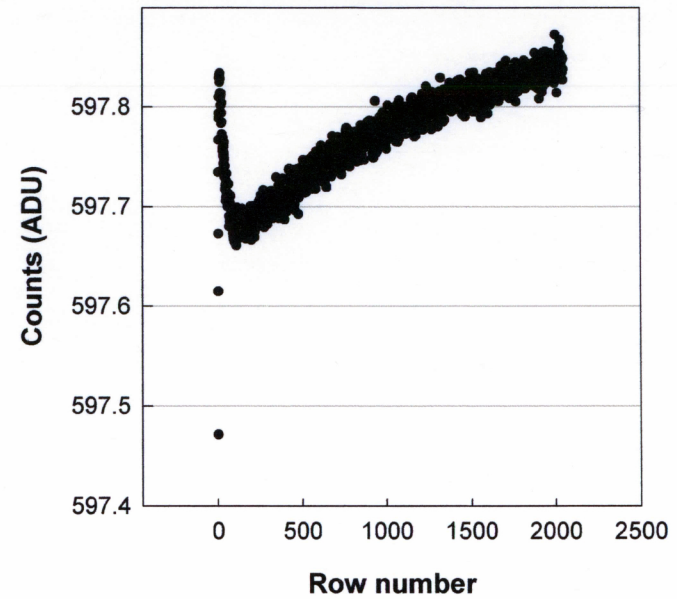
# Andor DW436

## Row average bias level vs row number

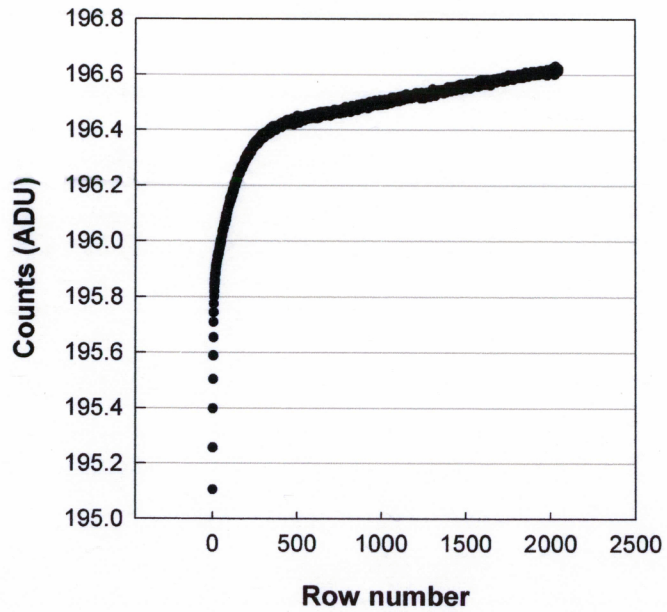
### Readout 1 $\mu$ s



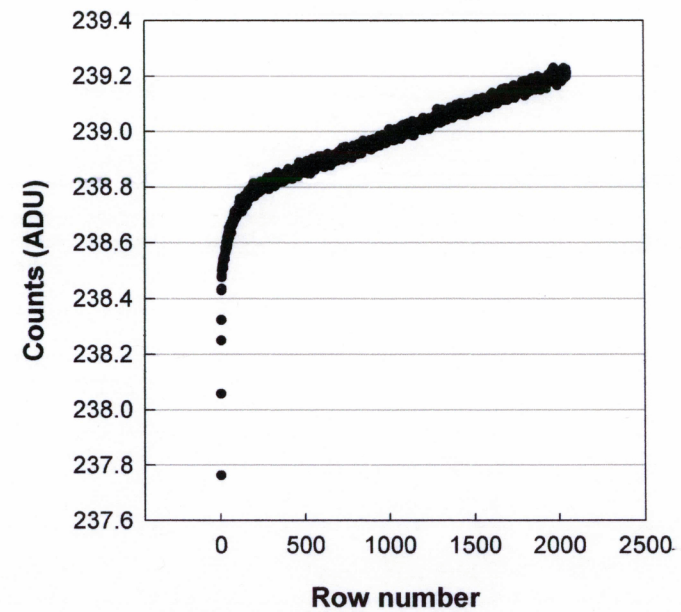
### Readout 2 $\mu$ s



### Readout 16 $\mu$ s



### Readout 32 $\mu$ s





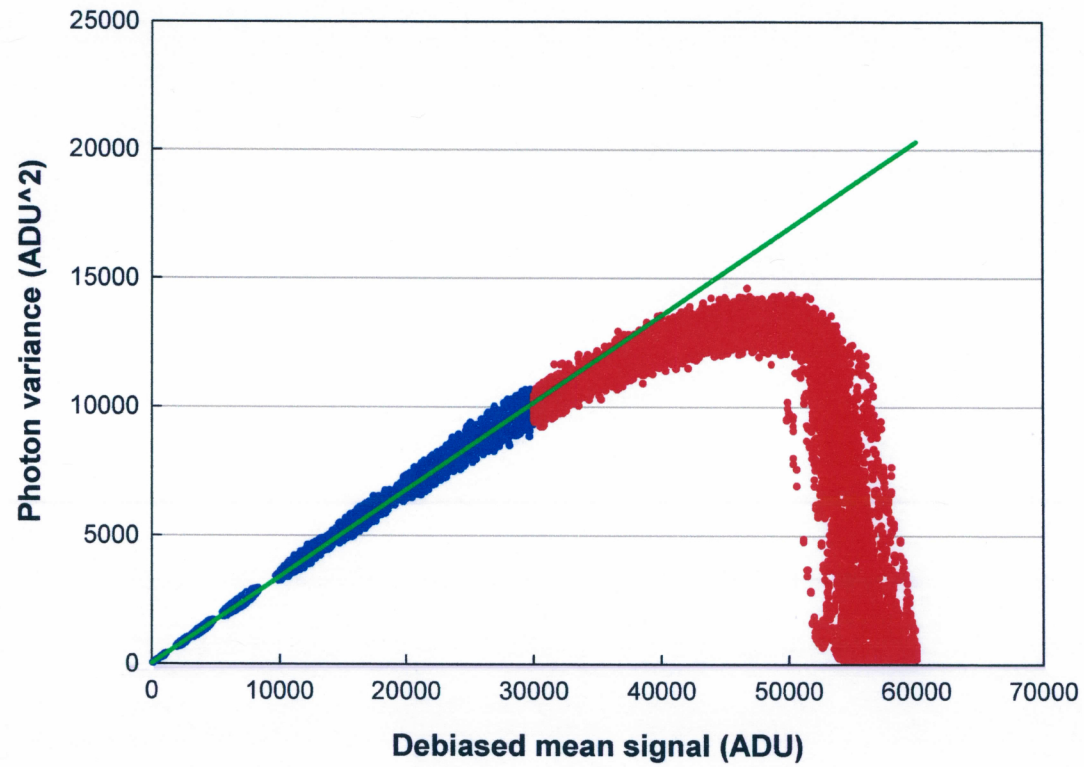
Andor CCD DW436

Readout 1 $\mu$ s

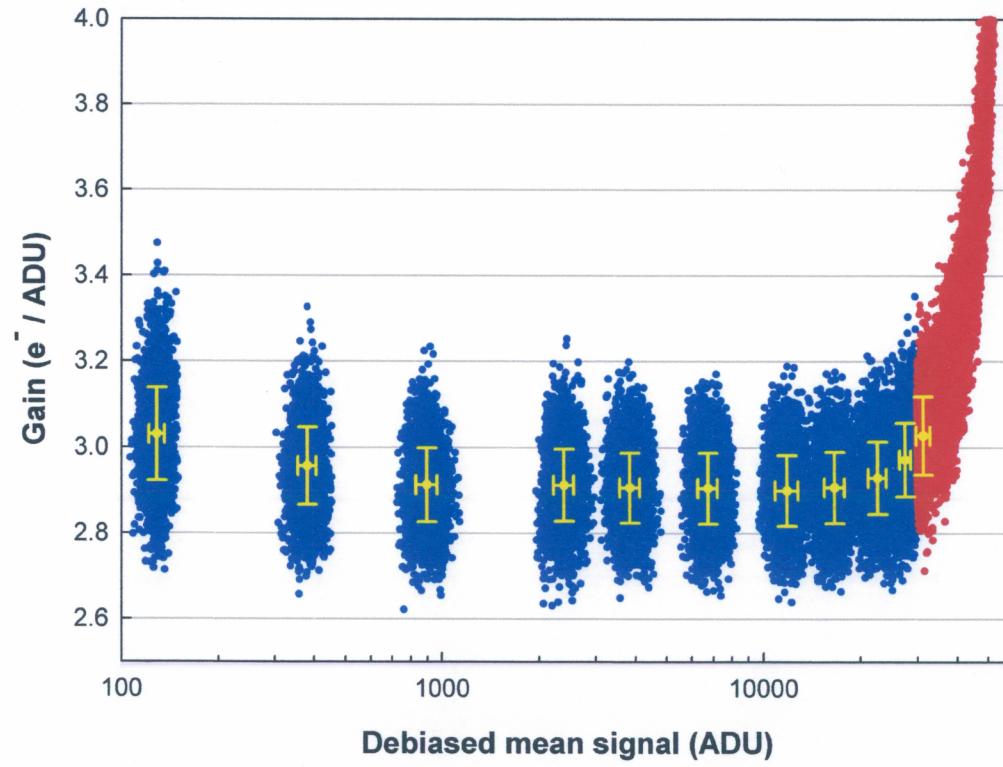
Gain = 2.957 e<sup>-</sup>/ADU

RON = 3.1924  $\pm$  0.0510 ADU = 9.44  $\pm$  0.15 e<sup>-</sup>

Linearity up to ~30000 ADU



Andor CCD DW436  
Readout 1 $\mu$ s

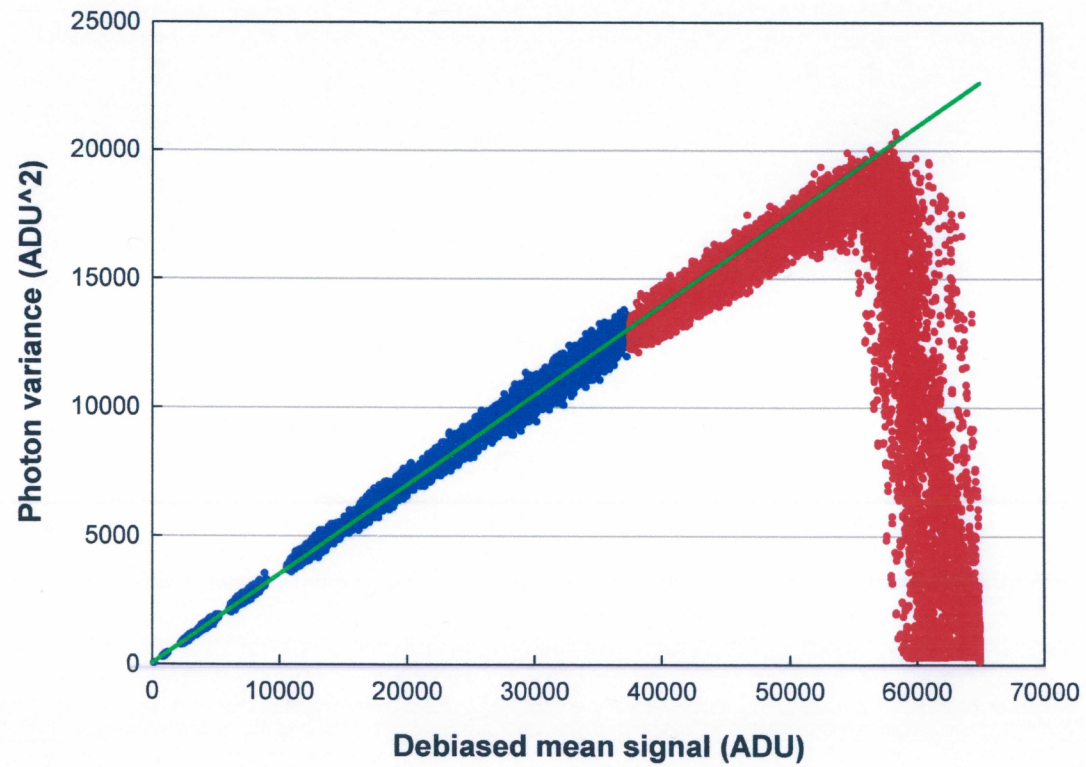


Andor CCD DW436  
Readout 2 $\mu$ s

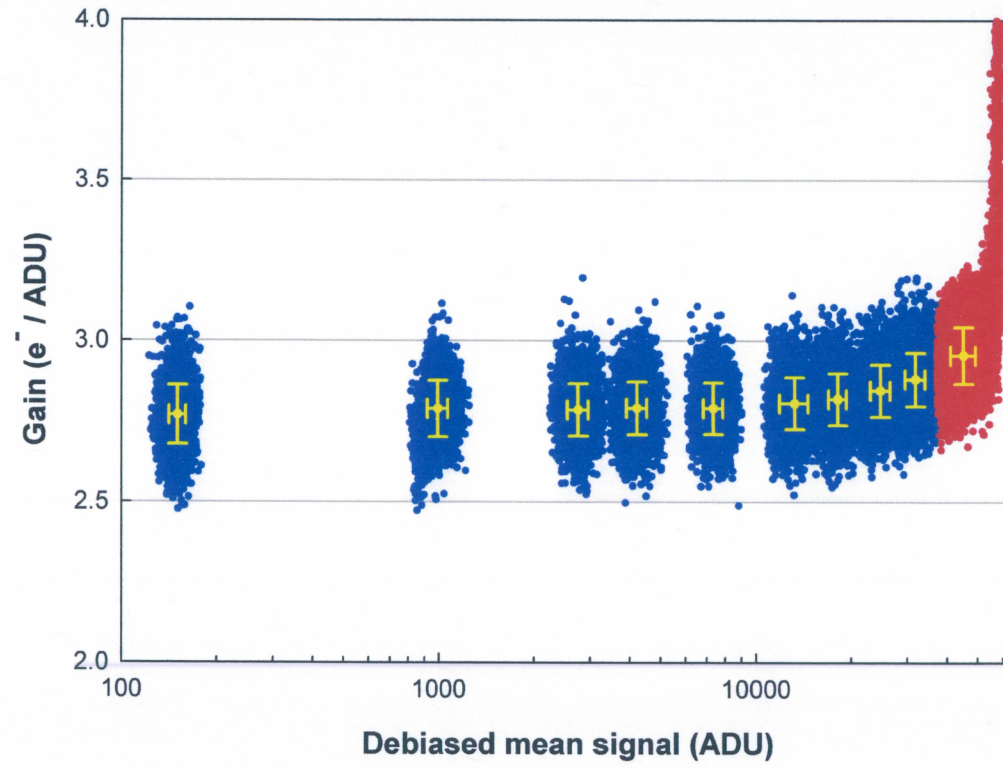
Gain = 2.878 e<sup>-</sup>/ADU

RON = 2.7410  $\pm$  0.0407 ADU = 7.89  $\pm$  0.12 e<sup>-</sup>

Linearity up to  $\sim$ 37500 ADU



Andor CCD DW436  
Readout 2 $\mu$ s



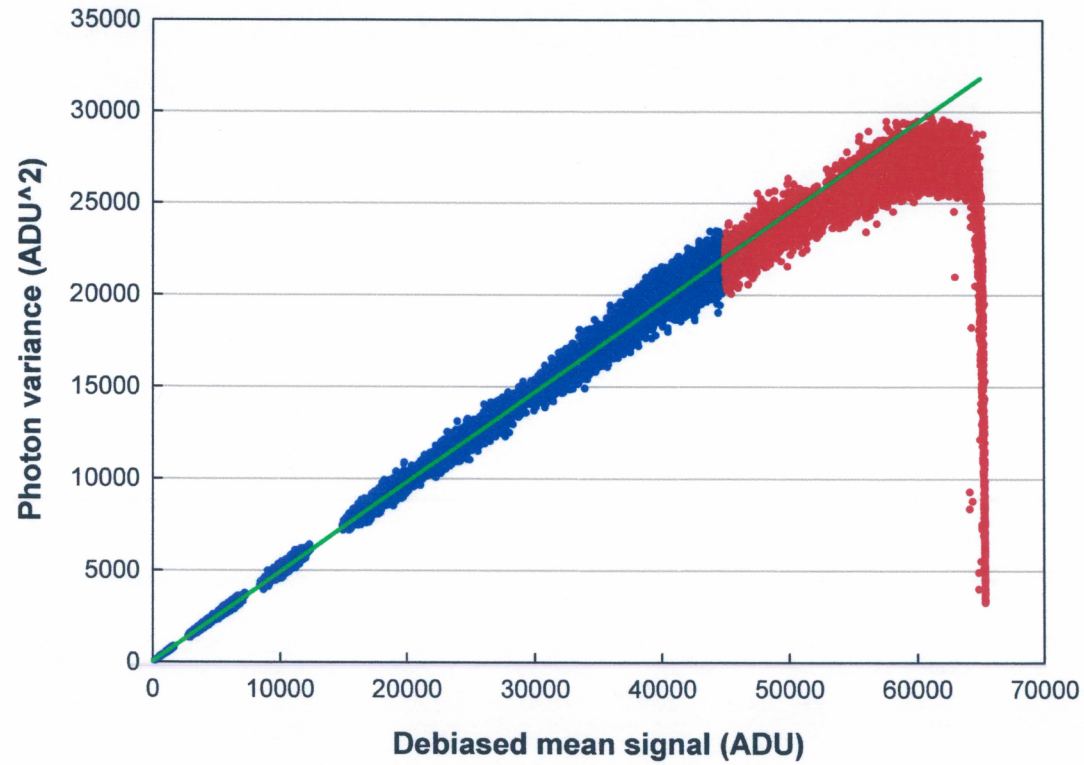


Andor CCD DW436  
Readout 16 $\mu$ s

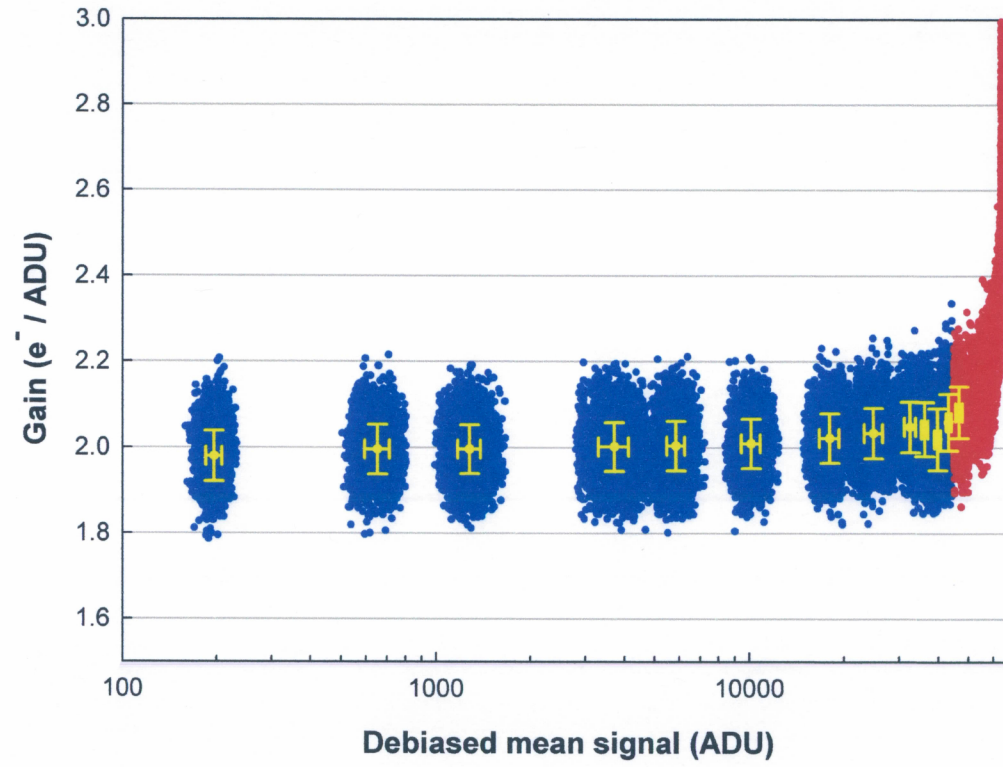
Gain = 2.045 e<sup>-</sup>/ADU

RON = 1.3286  $\pm$  0.0320 ADU = 2.72  $\pm$  0.07 e<sup>-</sup>

Linearity up to ~45000 ADU



Andor CCD DW436  
Readout 16 $\mu$ s

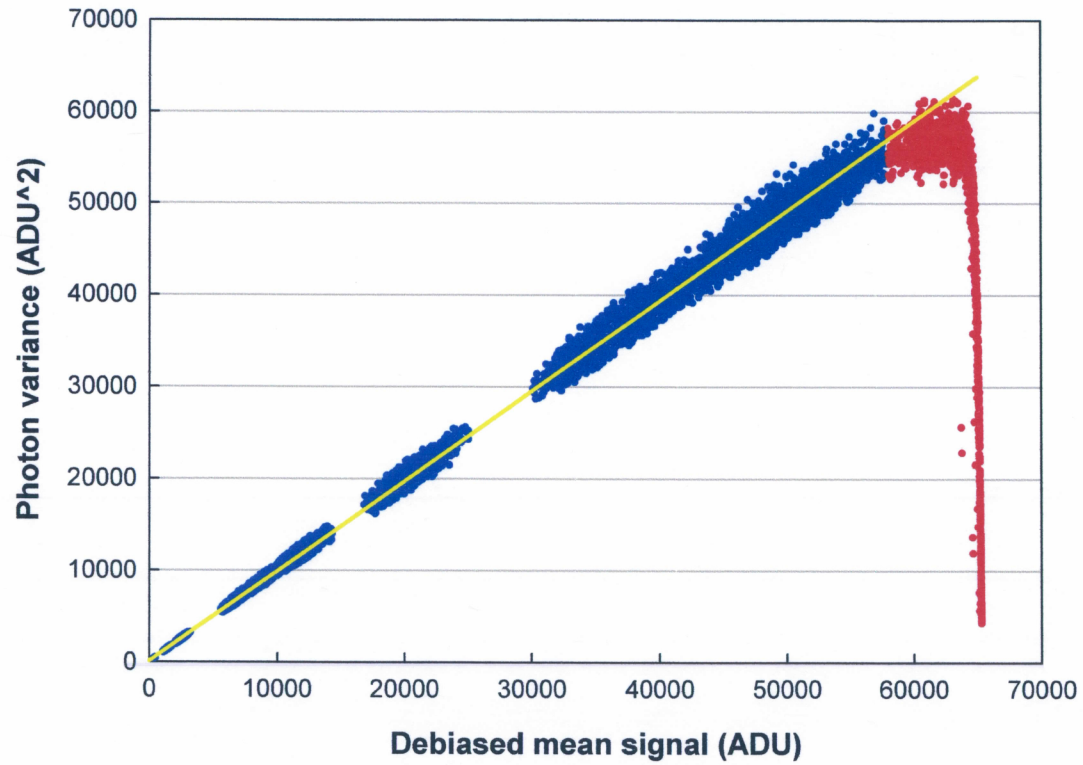


Andor CCD DW436  
Readout 32 $\mu$ s

Gain = 1.021 e<sup>-</sup>/ADU

RON = 2.3514  $\pm$  0.0551 ADU = 2.40  $\pm$  0.06 e<sup>-</sup>

Linearity up to ~58000 ADU



Andor CCD DW436  
Readout 32 $\mu$ s

