Signal to Noise Ratio Data Theoretical Ideal 10<sup>2</sup>  $\mu_{p.\,min} = 13.1[p]$  $\mu_{p.\,sat} = 85613.4[p]$ **Total SNR** 10<sup>1</sup>

10<sup>3</sup>

 $\mu_p$  [mean number of photons/pixel]

10<sup>5</sup>

 $10^{4}$ 

SNR

 $10^{0}$ 

 $10^{1}$ 

10<sup>2</sup>