

(the pixel from the radiometry chapter)

synthetic source: the photon density of
1 Jy at 700 nm, constant over 1 nm

schematic, not to scale

read: no read noise here

photoelectrons, quantum
efficiency (QE) q

dark charge: 0 here

one of the 4
aperture pixels

clock out:
no CIC here

expected
variance only



one 1 s exposure

computed, not sampled

*restricted case:
no detector noise terms*