Req 5.3.2

**Title:**
CCD particle event rate

**Objective:**
Determine CCD particle event rate by evaluating dark current measurements. Verify the absence of a local radiation source affecting the detector. The data will be inspected for significant differences of the rates on different chips, and will be screened for local effects.

**Fulfilling or fulfilled by:**
Data reduction of **req. 531 Dark current**

**When performed/frequency:**
Commissioning and when dark current is measured.

**Outputs:**
CalFile— **532 Particle event rate** in particles/cm$^2$/hour

**Required accuracy, constraints:**
better than 1 particle/cm$^2$/hour

**Priority:**
desirable

**Recipe:**
Recipe— **Dark_Current**, see **req. 531 Dark current**

**CA:**
See **req. 531 Dark Current**

**CAP:**
See **req. 531 Dark Current**