

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<sup>2</sup>/hour

**Required accuracy, constraints:**

better than 1 particle/cm<sup>2</sup>/hour

**Priority:**

desirable

**Recipe:**

**Recipe– Dark\_Current**, see **req. 531** *Dark current*

**CA:**

See **req. 531** *Dark Current*

**CAP:**

See **req. 531** *Dark Current*