

OMC Status

Albert Domingo IOCG ESTEC, November 25, 2013







- OMC Status
 - CCD surviving well
 - Flatfield stabilized
 - Sensitivity stable
 - Photometric accuracy stable
 - Dark current increasing slowly
 - No effects attributed to the perigee altitude dropping





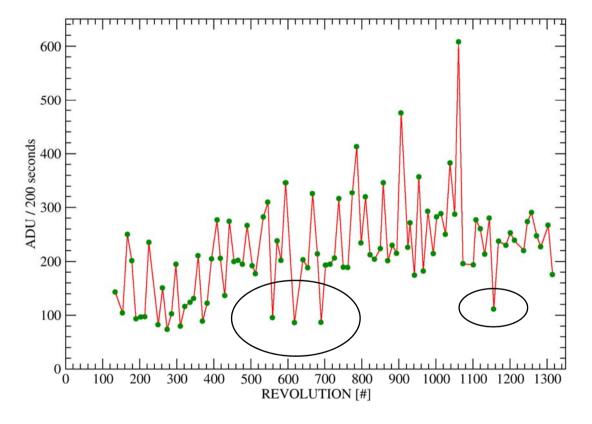
- Operations are running very smoothly.
- Monthly flatfield calibrations are being performed in the standard way.
- The strategy to search for high zodiacal light levels whenever possible is satisfactory.
- ISOC to implement the last part of new calibration strategy (small dither).
- Good interface MOC-ISOC-OMC to plan Earth Observations.







 From rev 700 the strategy to select calibration fields with high zodiacal light is satisfactory (one exception, rev 1156).



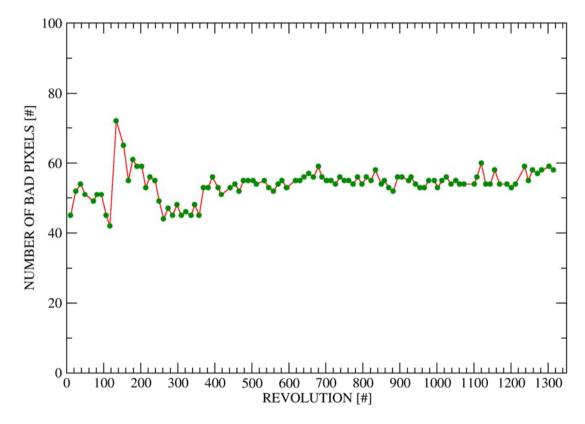








 The number of bad pixels (sensitivity <80%) remains very stable.

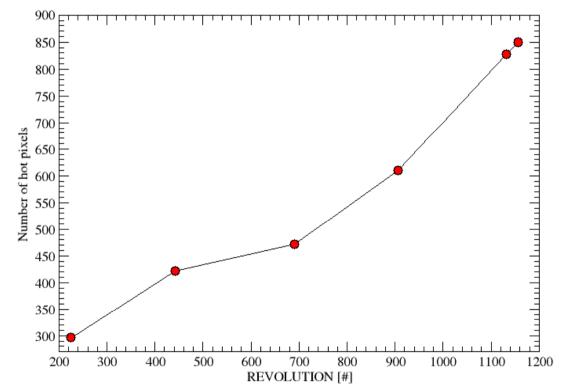








- The number of hot pixels (higher dark current) increasing slowly and monotonically with time.
- Same trend from the beginning of the mission. Seems not to be related with the perigee altitude dropping.
- The majority of hot pixels still have no effect on OMC science.



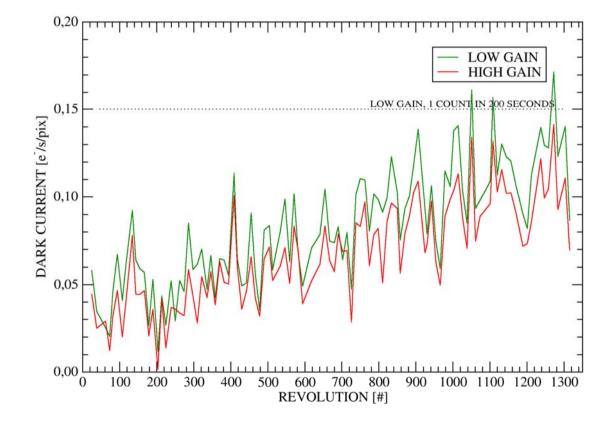






DARK CURRENT

- The overall dark current increases very slowly and remains well within acceptable limits.
- No temperature correction done on the plot.







- The zero point of the calibration (a measure of the overall sensitivity) has become very stable.
 - The lenses are not getting darker with radiation.
 - The overall transparency of the CCD coating remains invariable.

