CENTRO DE ASTROBIOLOGÍA
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CSIC INTA

OMC Status

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OMC status and operations

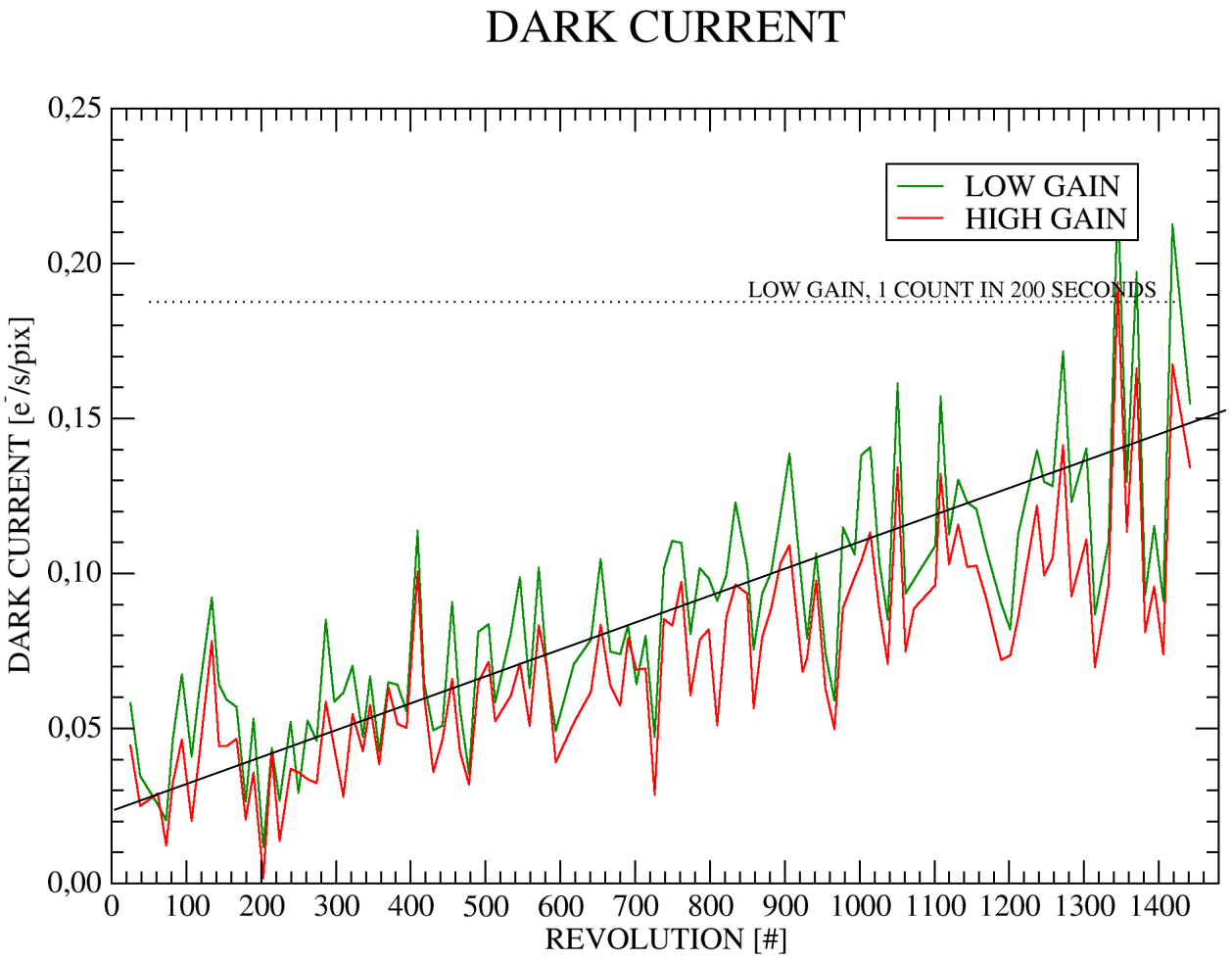
- OMC Status
  - CCD surviving well, but dark current and hot pixels increasing with time
  - Flatfield stabilized
  - Sensitivity stable, with tendency to decrease
- No operational anomalies

OMC status and operations

- Effect of open loop slews
  - The impact seems to be acceptable
    - max. OMX pixel shift ~10-11, manageable by the internal centering algorithm.
  - Effect of rotation worsens slightly the astrometric accuracy.
  - The OMC processing SW has been updated to recover the full astrometric accuracy.

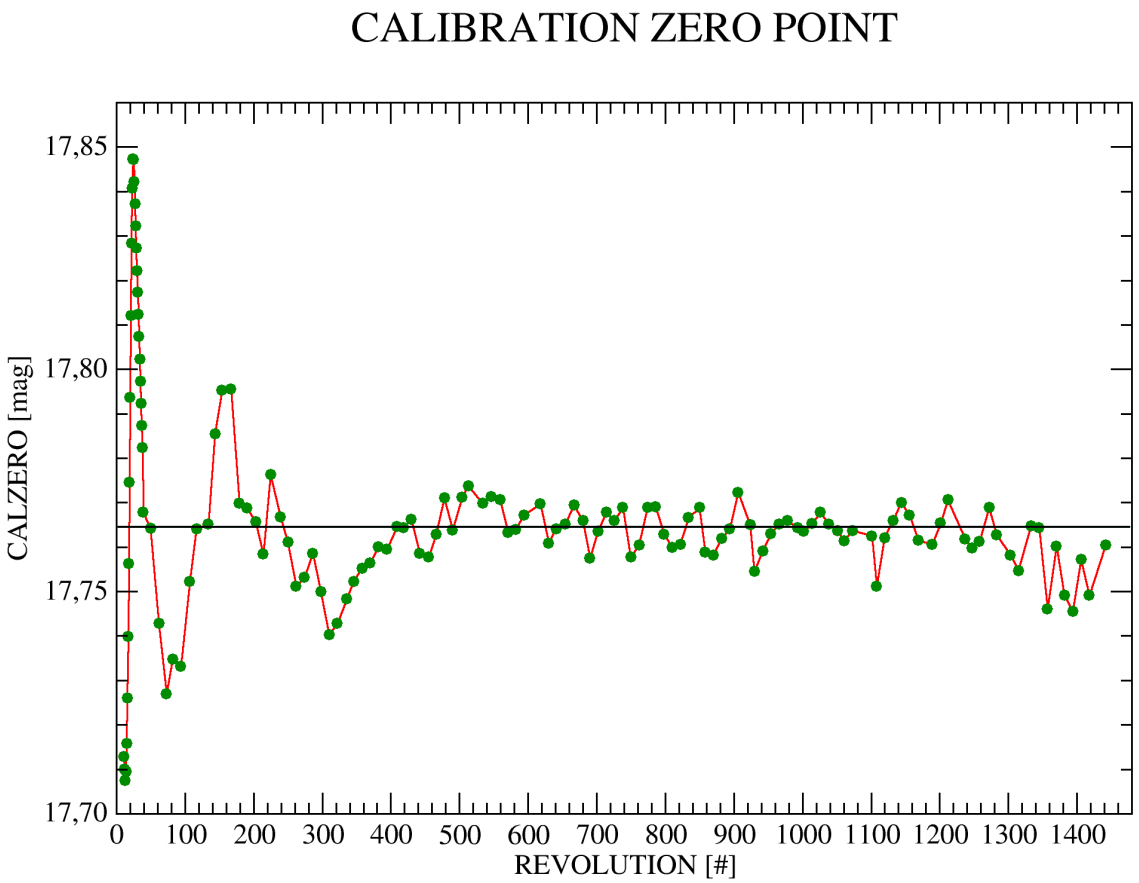
CCD status

- The dark current increases slowly, but remains still within acceptable limits.
  - Correction might be needed in the near future
- No temperature correction done on the plot.



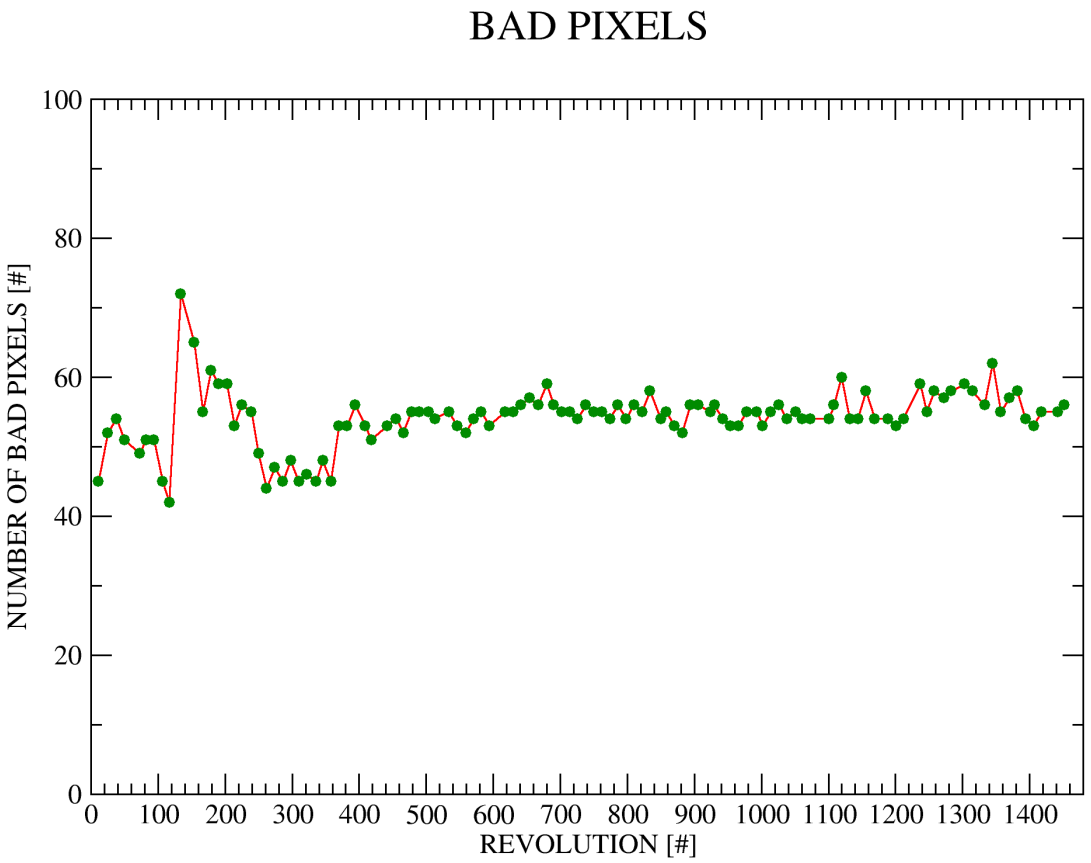
OMC photometric calibration

- The zero point of the calibration (a measure of the overall sensitivity) has become very stable, with a small tendency to decrease.
  - The darkening of the lenses is still not significant.



OMC photometric calibration

- The number of bad pixels (loss of sensitivity) increses very slowly.
  - But the number of hot pixels increases steadily!



Publications

- Some statistics:
  - Total number of publications in ADS mentioning OMC: 151
  - Refereed: 75

- Link to publications:

http://cdsads.u-strasbg.fr/cgi-bin/nph-abs_connect?library&libname=OMC&libid=476ba892aa