

OMC Status

J. Miguel Mas-Hesse INTEGRAL Users Group Meeting ESTEC, January 18-19, 2012





- OMC Status
 - CCD surviving well, but dark current and hot pixels increasing slowly
 - Flatfield stabilized
 - Sensitivity stable
- No operational anomalies
- Currently working on
 - Major update of Input Catalogue
 - Compilation of output catalogue (OMC variable objects)



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DARK CURRENT

0,20 The dark current LOW GAIN HIGH GAIN increases slowly, but remains well LOW GAIN, 1 COUNT IN 200 SECONDS 0,15 DARK CURRENT [e^{-/s/pix]} within acceptable limits. 0,10 No temperature correction done on the plot. 0,05 0,00 200 300 800 100 400 500 700 900 1000 1100 0 600 **REVOLUTION** [#]















• The flatfield has completely stabilized since revolution 800.

CCD SURFACE COVERED BY SPOTS













- Scattered light from the Earth to derive a final Flatfield matrix. This will improve our calibration at small detector scales.
- ISOC to prepare OMC TCs to get a number of full field OMC images before/after the occultation.
- OMC team to define the acquisition schedule as a function of start and end of the Earth limb.
- Procedure very similar to past Earth Observation in revolutions 401, 404, 405 and 406.
- Minimum TM rate: 5 pkts. If a high bandwidth is available, a larger number of images will be acquired.

Past Earth Observation (rev 401,404,405,406)

Improvement of Flatfield matrix

• Before Earth Observation



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• After Earth Observation



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