

# OMC Calibration and Operations status

J. Miguel Mas Hesse
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#### **OMC** status summary



- Optics + CCD + thermal control hardware performing excellently after 19 years of operation.
  - No CCD columns lost
  - CCD temperature range within predictions (-85 C to -70 C)
  - Optics still clear, minimal decrease of the photometric zero point (sensitivity)
  - Effects of radiation (dark current, hot pixels) still moderate
- Major anomaly after the September '21 incident.
  - Loss of main converter on the Power Supply Unit



### **OMC PSU anomaly**



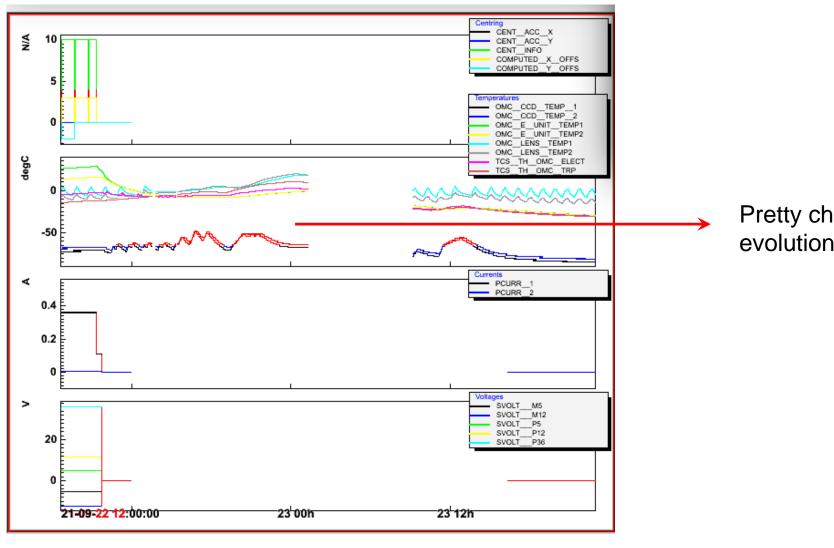
- Afer the INTEGRAL critical anomaly on last September the OMC power supply didn't start again.
- After a rapid analysis it was decided to switch to the redundant converter, which has been in operations since them
  - No impact on CCD performance was identified after the anomaly.
  - The PSU B converter is working fine (but risk has increased!)

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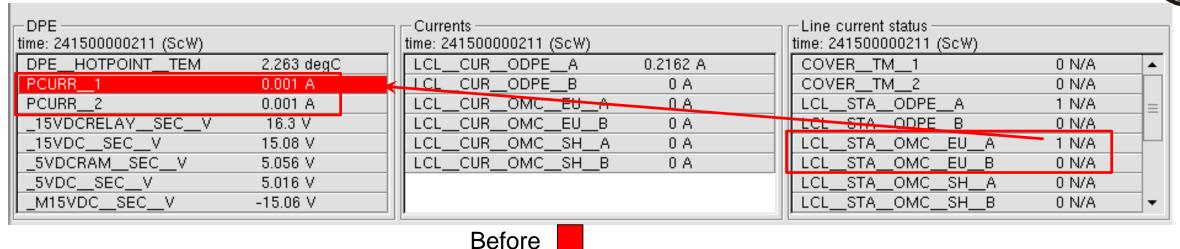


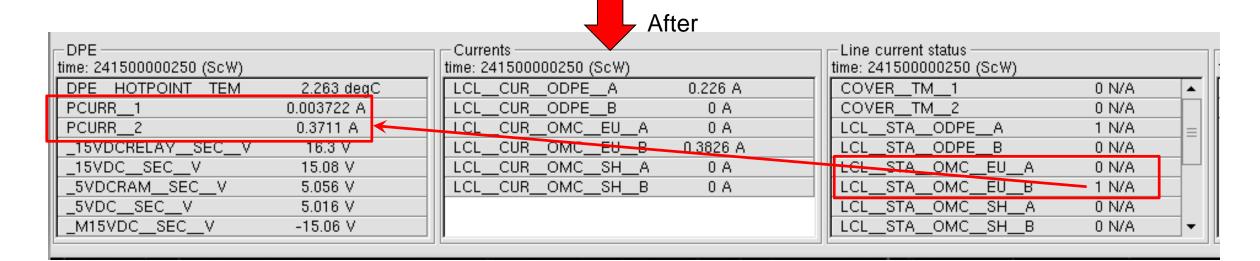
Pretty chaotic CCD temperature evolution during ESAM



### OMC PSU anomaly







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# OMC operations: future support



- OMC operations continue to be funded by the Spanish agency.
- The compromise is to fund at least up to  $T_{end}$  + ~2 years, to guarantee the final processing and archival of data.
- INTA will provide further support via the Spanish Virtual Observatory archive system at CAB/INTA afterwards.