



# OMC Status

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IOCG #3

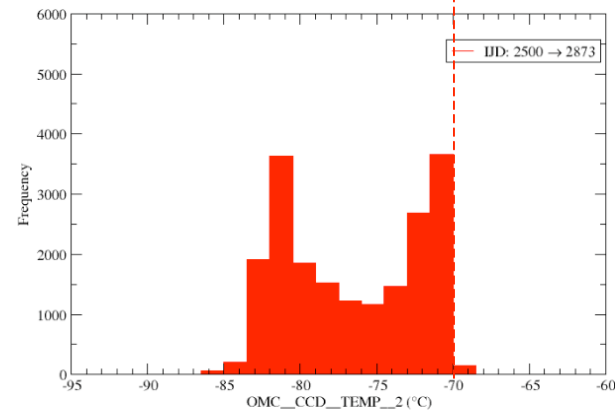
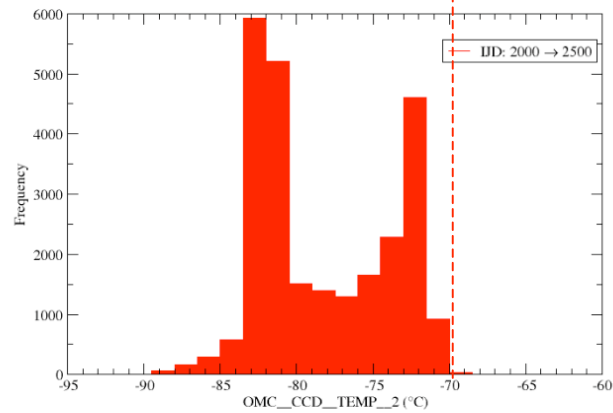
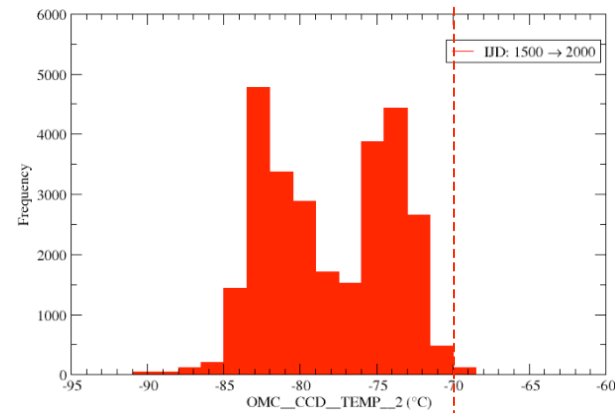
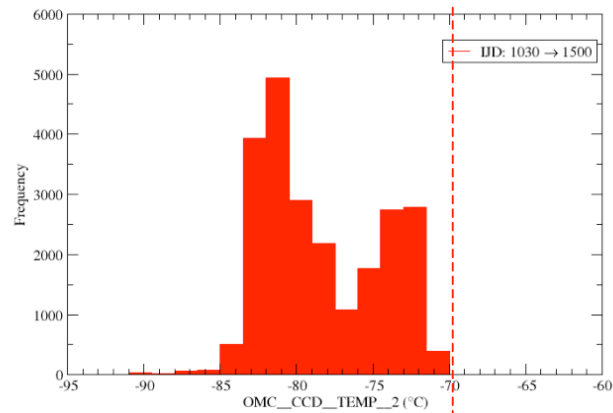
*ESOC, April 24<sup>th</sup>, 2008*

# OMC operations

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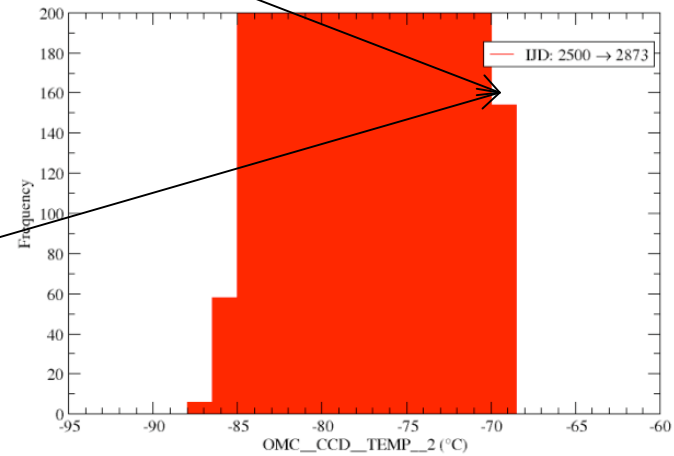
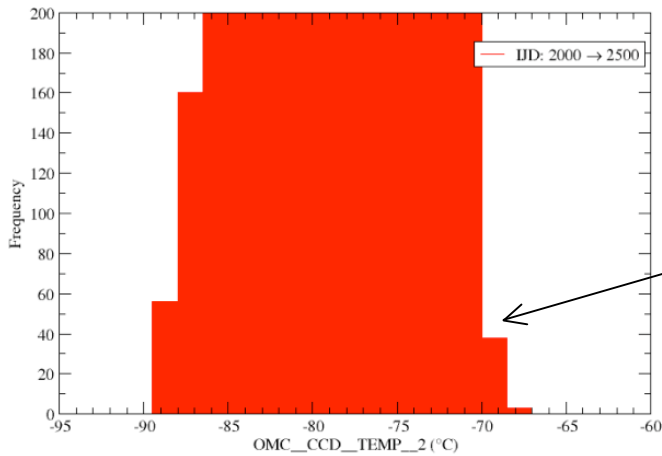
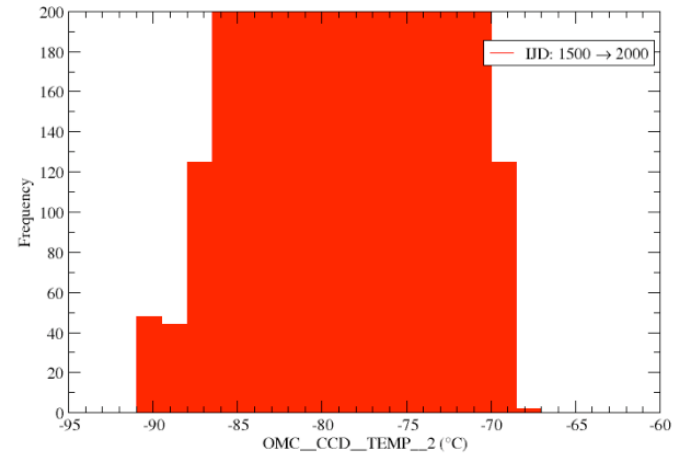
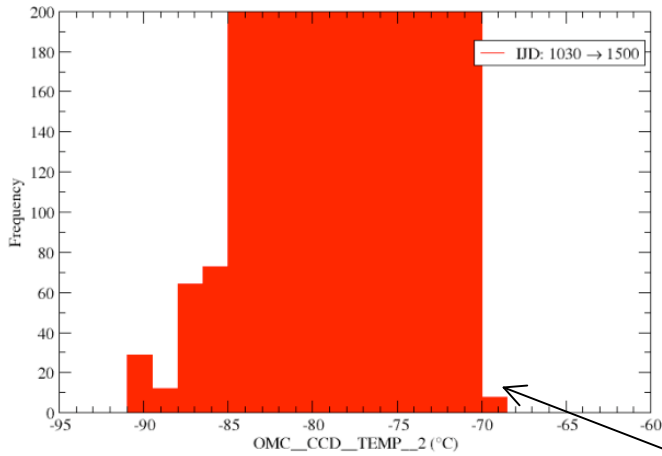
- No operational anomalies.
  - CCD T evolution
- Open questions:
  - CCD flat field stabilized.
  - FF calibration strategy has to be modified.
  - GSE only partially operational.

# OMC CCD temperature evolution



The temperature seems to have increased slightly (1-2 C) in the hot case during last year.

# OMC CCD temperature evolution



# OMC CCD temperature evolution

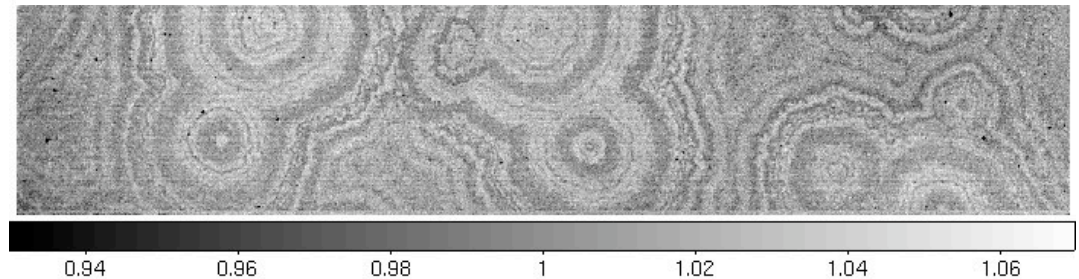
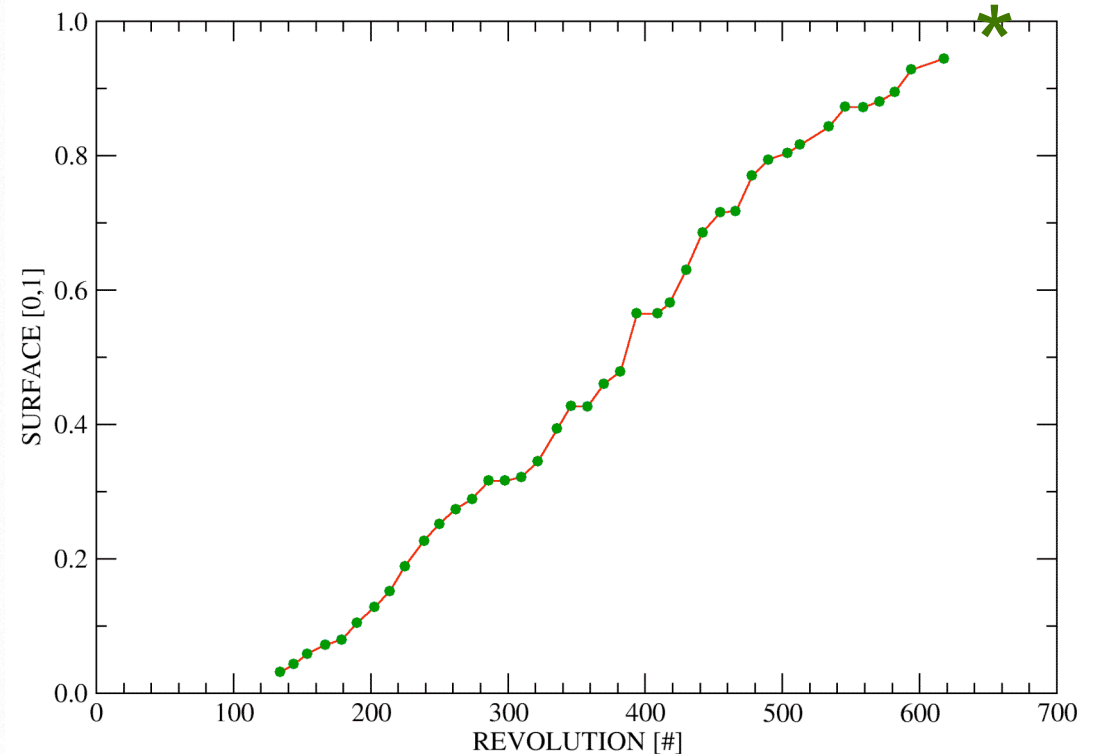
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- Why is the T increasing?
  - Operation of the S/C during last year?
  - Loss of efficiency of the cold finger + radiator?
- Action: we plan to relax the hot T warnings by few degrees, to avoid false alarms at ESOC.

# OMC CCD status

- CCD Flat field has already stabilized.
- The process that affected the antireflecting coating has now covered the whole surface.
- We don't expect significant evolution in the near future.
- To improve the pixel to pixel correction we would need to update the calibration strategy.

CCD SURFACE COVERED BY SPOTS



*Rev. 654 FF*

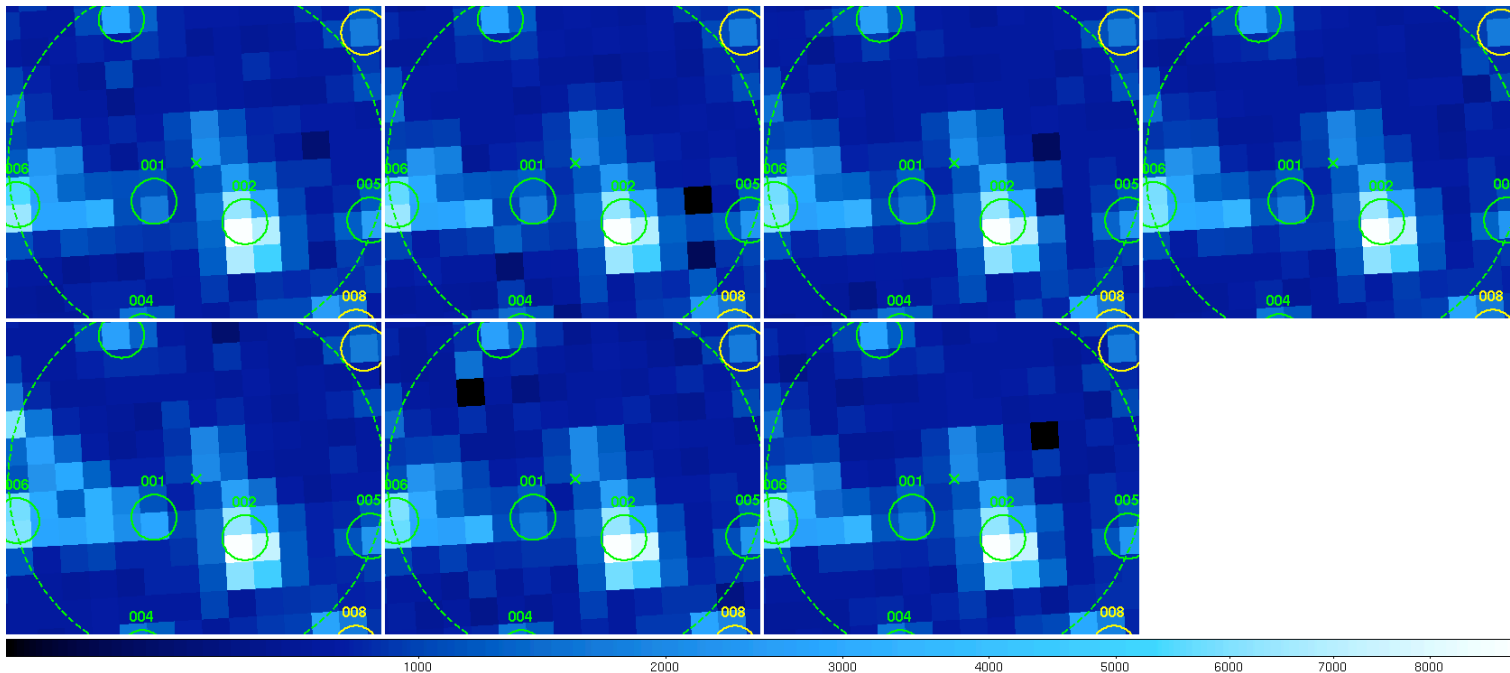
# OMC EGSE

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- Only partially available.
  - Sun station obsolete, not working and difficult to be replaced.
  - DPE and simulators available, but not tested for a long time.
- *Maybe we should set up a procedure to guarantee the availability and maintenance of EGSE for the years to come.*

# OMC trigger mode

- On April 14th OMC entered trigger mode due to a false GRB alarm (it resulted to be a flaring known IGR source).
- OMC started imaging the field 20.5 seconds after the flare was detected automatically at ISDC.



*→ No GRB yet within the OMC FoV (cosmic fatality??),  
but we are ready.*