

ISDC Status

- Swiss funding request for 2012 submitted.
- Some changes in manpower allocation on-going at ISDC (among missions). It makes life significantly more complicated for INTEGRAL, temporarily.
- Level of support should not be changed up to end of 2012.

INTEGRAL Organisation

Operations:

Coordination: Carlo Ferrigno + Enrico Bozzo (24/7)

Operator: Philippe Meynis + 1 support engineers for WE and holidays

Shift: 16 scientists on duty (working hours + half weekend)

Software & archive team:

6 engineers. Reorganisation on going

Instrument I/F:

SPI: Pol Bordas

JEM-X: Lucia Pavan

IBIS: Nicolas Produit

OMC: Adam Frankowski

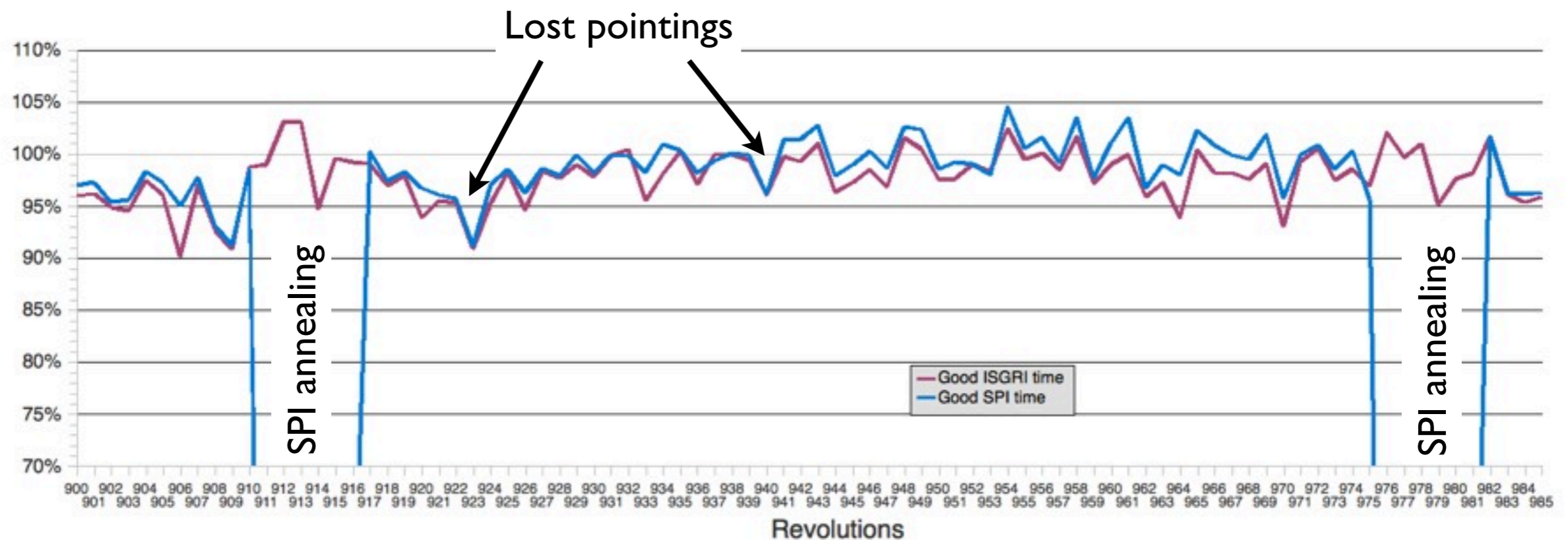
Operations

- Archive revision 2 is frozen now (up to rev 1009)
- The operational archive is now revision 3, including the new time correlation (NRT & CONS from rev. 1010)
- Operational hardware is being replaced & simplified
- Normal operations are smooth
- Possible timing problem with SPI-ACS, under study, relevant for GRB triangulation.

Data

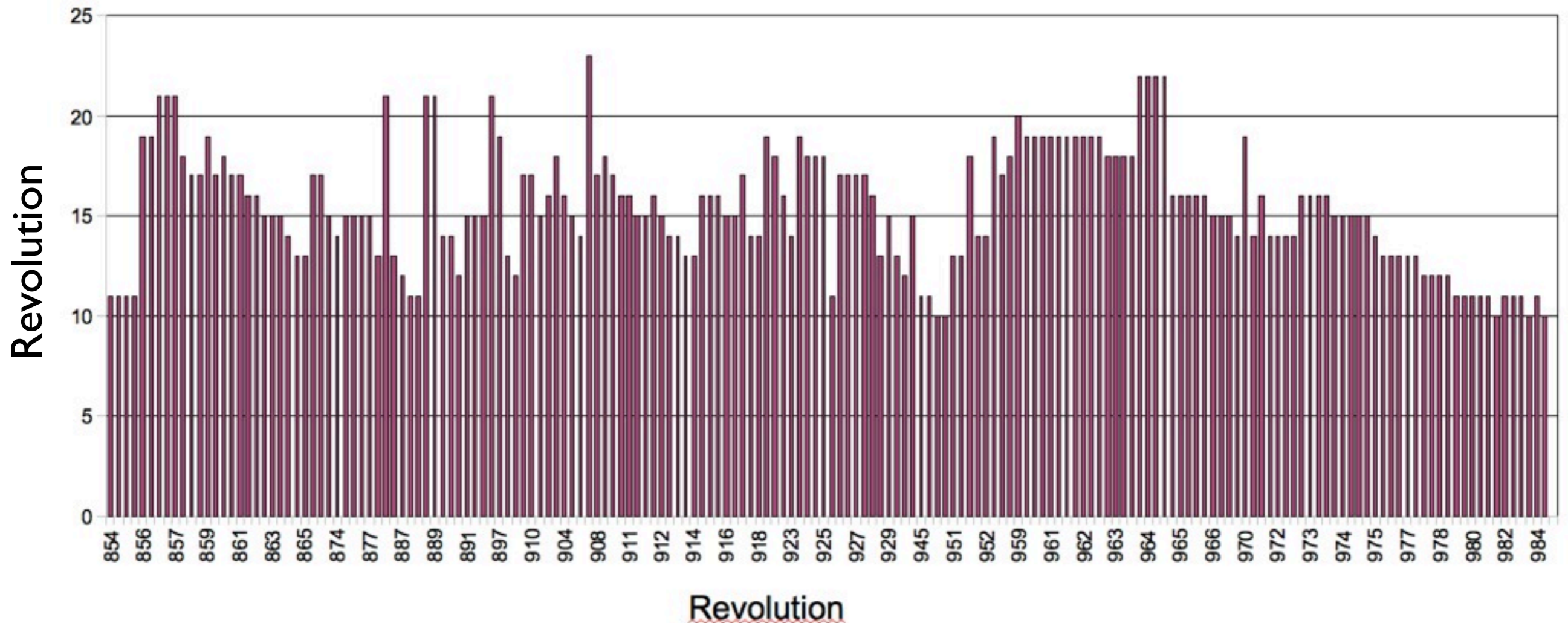
NRT TM: 99.7%

Cons TM: 99.9%



Good time: 98% (ISGRI); 99% (SPI)

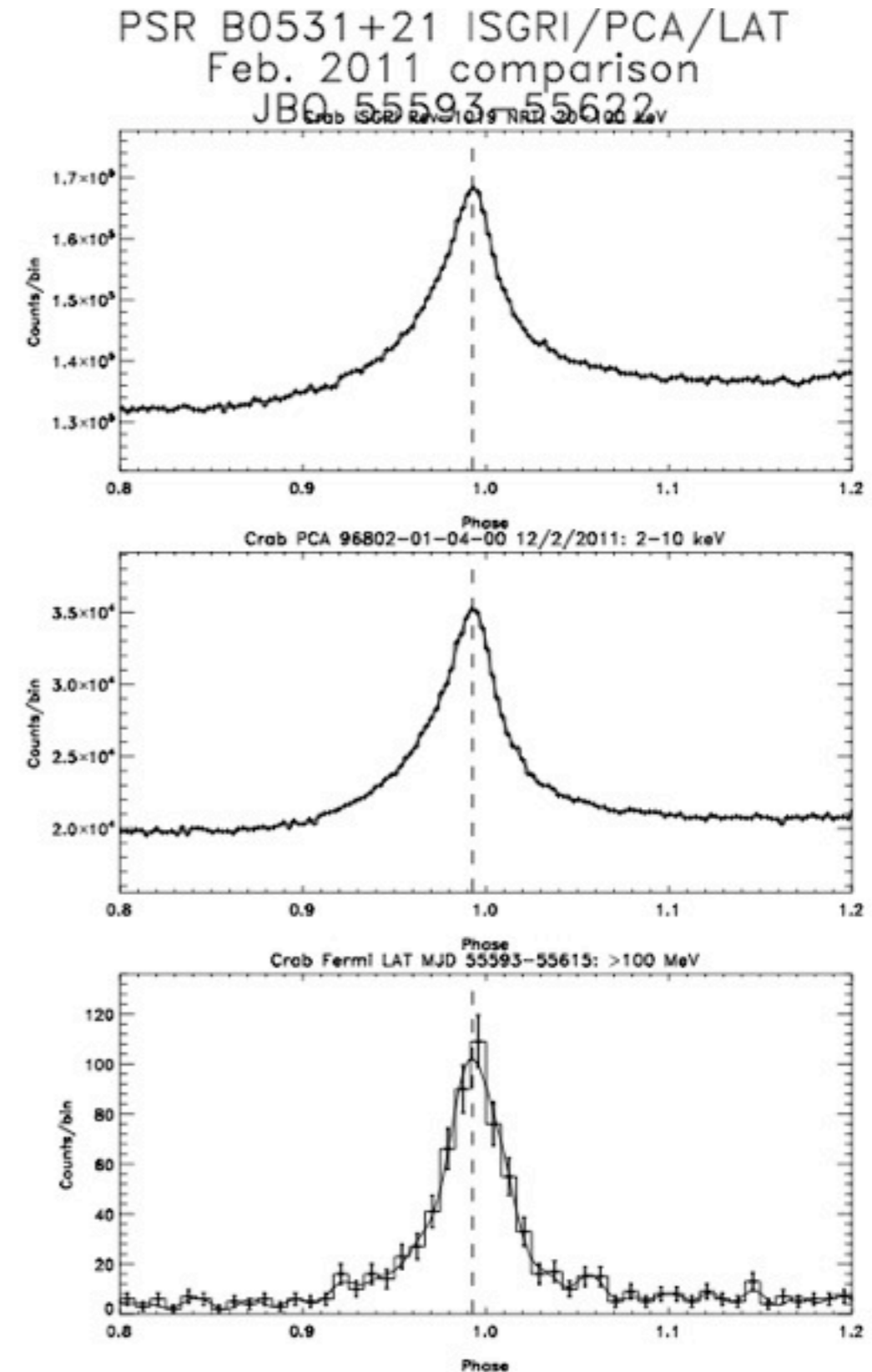
Distribution delay



- NRT data: within 3 hours
- Consolidated data:
- MOC CD ROM production: 4 weeks (back to normal)
- ISDC processing: 2 days

Time correlation

- In the rev pipeline, we have a tool that checks the goodness of TCOR entries by comparing:
 - the time of an entry with the time predicted from the former entry,
 - the gradient.
- We reject entries above a nominal tolerance.
- Only a few entries per revolution affected, we issue an error if too many rejections.
- Absolute calibration of TCOR using the Crab pulsar is as expected (check by L. Kuiper).



Quick look analysis of INTEGRAL data

- ~10 GRB/year in IBIS Fov
- ~200 GRB/year in SPI ACS
- Inform PI of Open programs of the observation status
- Inform all PIs of data rights in case of problems or relevant serendipitous sources (no data rights)
- 20 ATeLs in 2010 triggered and/or supported from ISDC staff (one Accreting Ms pulsar, one peculiar Low Mass X-ray binary in the Globular cluster Terzan 5, fast reaction to the VHE Crab flare)