

ISDC status

Changes from January 5th

Organization:

rev_3 processing	Mathias Beck
archive i/f upgrade	Reiner Rohlf
osa 8	Bruce O'Neel
operations	Carlo Ferrigno/Volker Beckman

IBIS i/f	Nicolas Produit/RW
SPI i/f	Volker Beckman
JEM-X/OMC i/f	Stephane Paltani

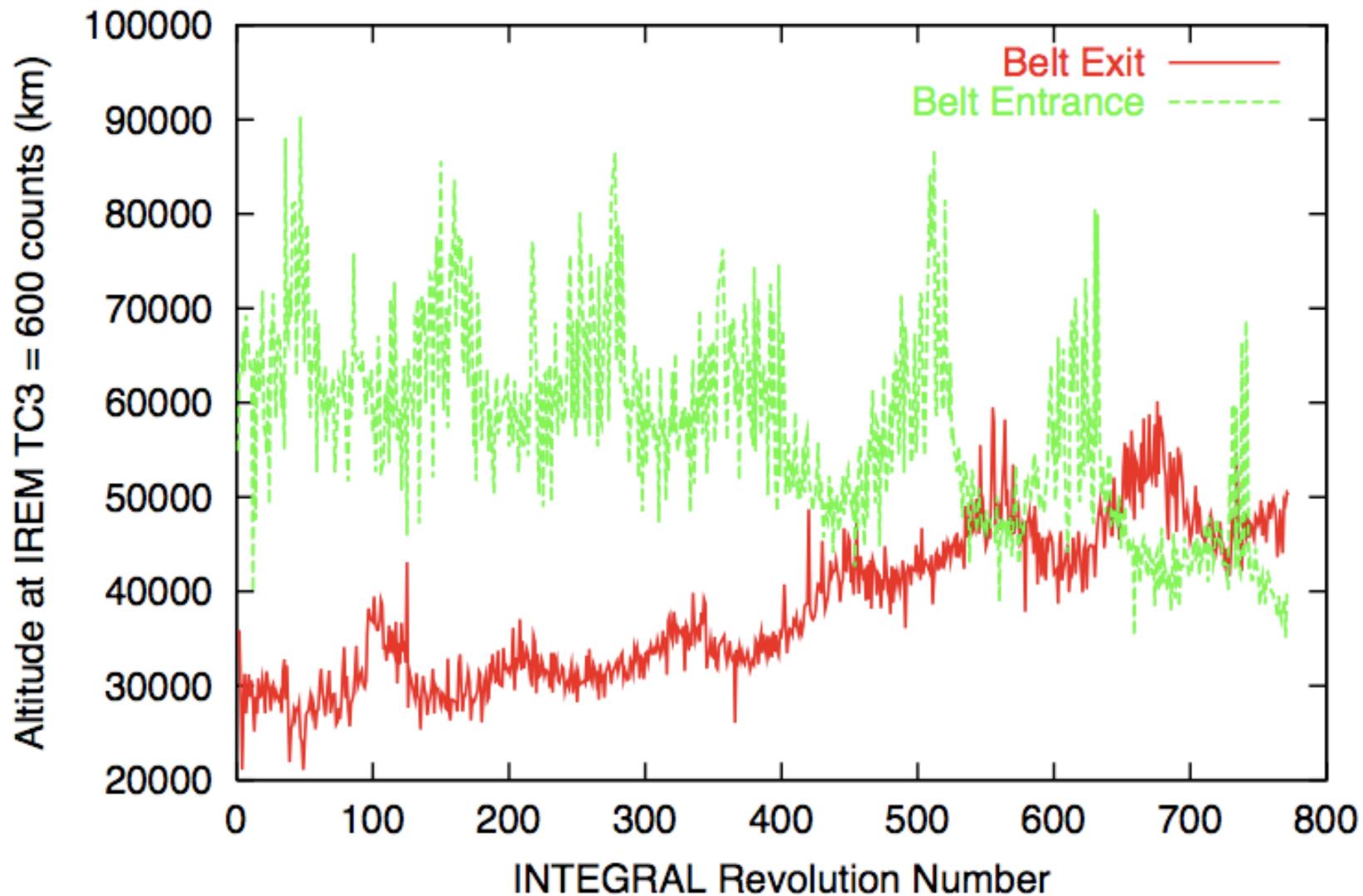
Operations:

- 1 operator Philippe Meynis (+ 2 sw engineers for week-ends)
- 1 scientist on duty
- sw and hw support on call

Soon 2 postdoc positions available

Radiation Belts

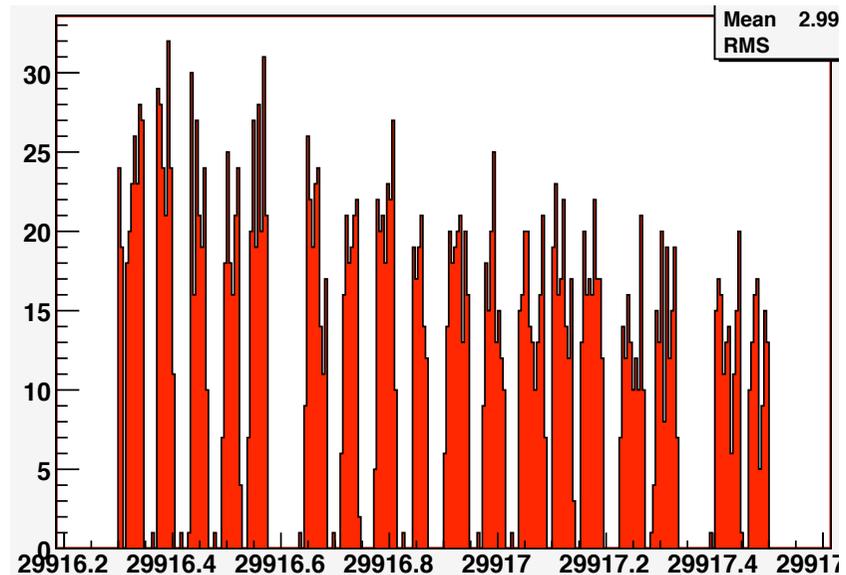
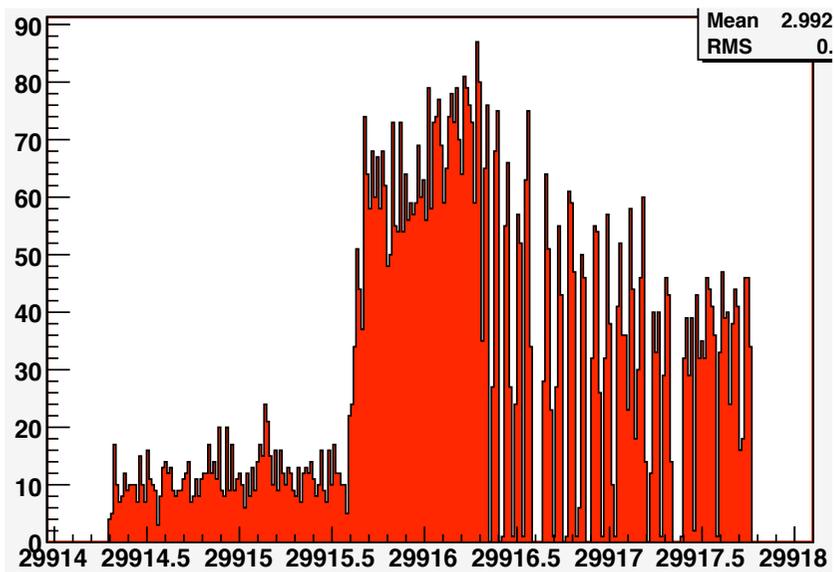
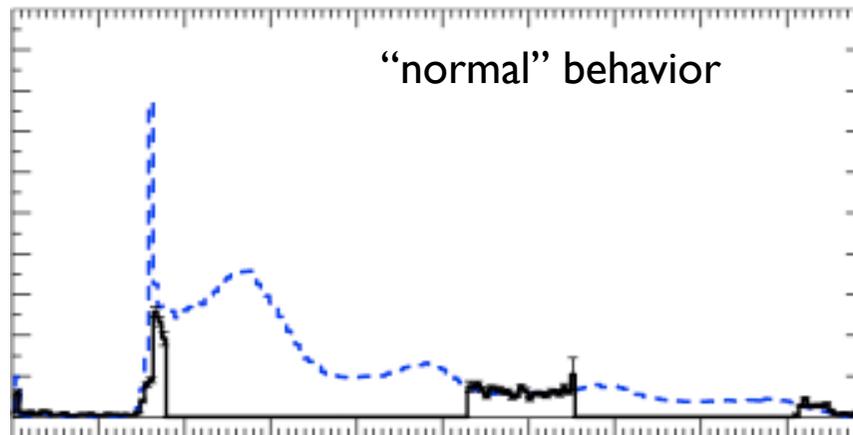
Last Update: 10 Feb 2009 12:36 - Rev: 0772



New issue with ISGRI timing

1E1547-0-5408
Outbursts

16msec TM gaps during huge flares not flagged in the TM

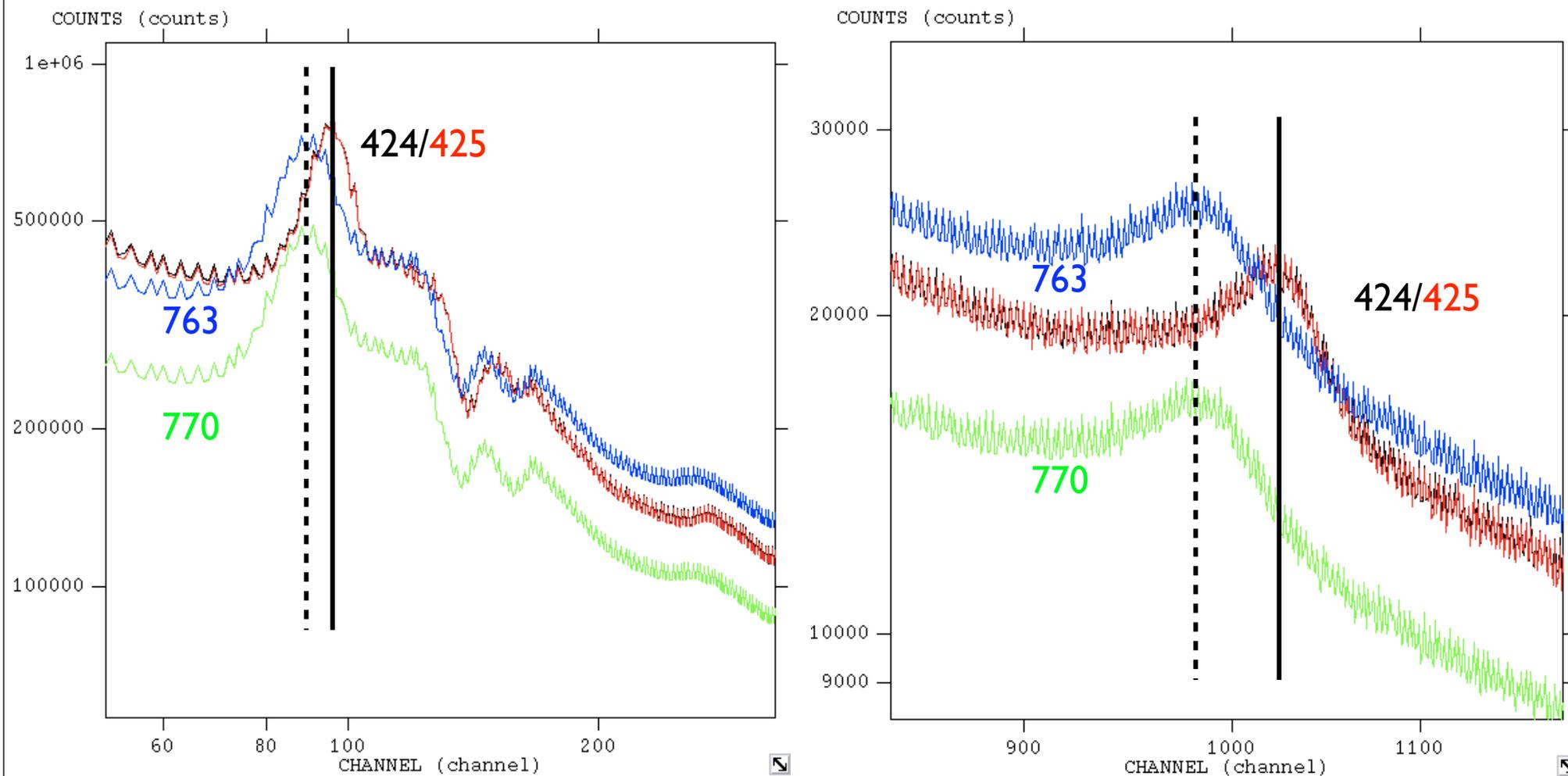


OSA

- OSA8 as soon as JEM-X is ready (j_ima_iros)
(SPI: spimodfit & script; IBIS: small bug fixes; OMC: centering)
Solaris support ?
- OSA9 focus on ISGRI

ISGRI energy calibration

shift of $\sim 5\%$ in reconstructed energies
most probably the reason for the last change of the Crab arf

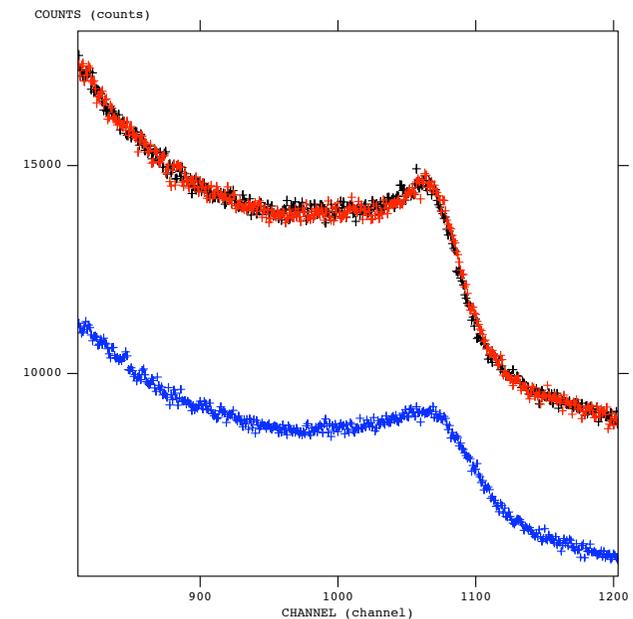
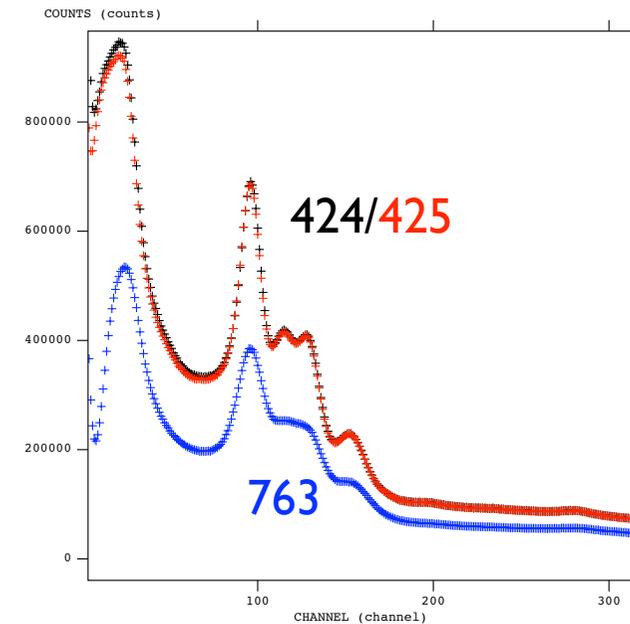
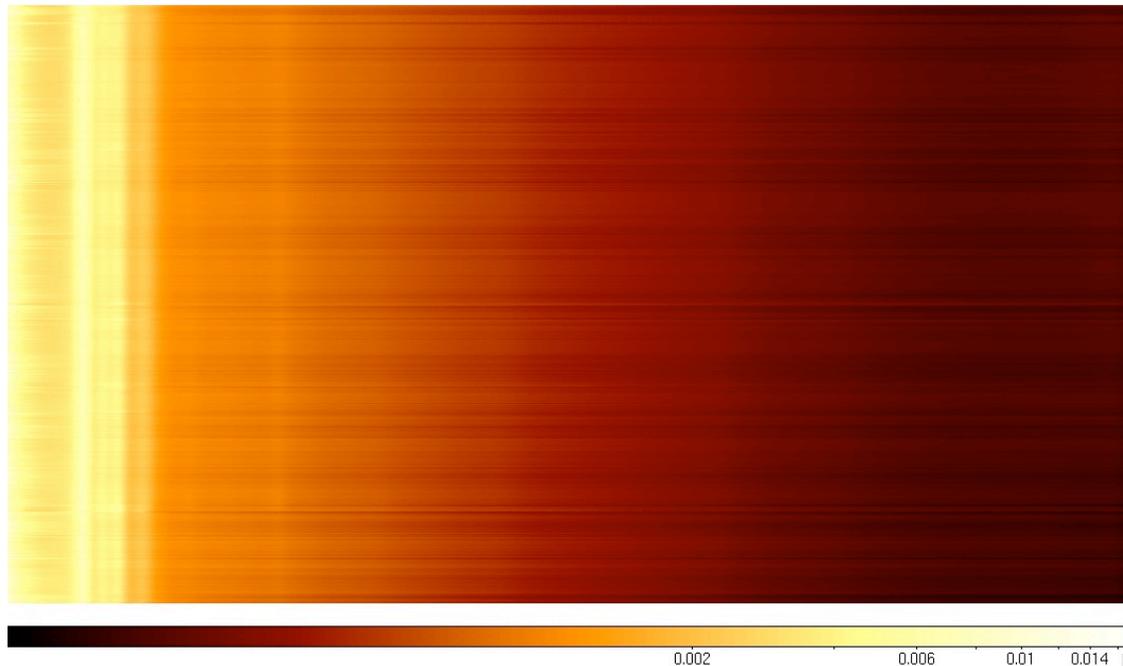


adhoc ISGRI energy calibration

Adhoc energy calibration:

- Fit linear trend with 3 lines (59, 145 & 511 keV) for all data for IJD<2000 and IJD>2200
- Discontinuity around 2100 dealt with separately
- Data corrected to obtain background spectra for each pixel
- Evaluate gain and offset for each revolution
- Corrected spectra were produced, lines fitted again and time dependent correction for gain and offset
- Rise time calibration stays constant

Finally applied LUT2 correction.



Archive development

	Status	Target date
NRT distribution	Working since one month	-
rev_3 processing	Waiting on TCOR, ISGRI time gaps, ACS time shift, linux portability of a few executables	summer
All sky interface	Real-time ISGRI & JEM-X images, light-curves, spectra for any position, time period and selected energy bands	summer or end of year ¹⁾
Source interface	High level products from all instruments for bright sources	summer or end of year ¹⁾

¹⁾ if we start from rev_3 data