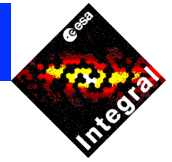
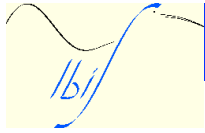




IBIS team@IAPS & ASI Contract

Istituto di Astrofisica e Planetologia Spaziali
Institute for Space Astrophysics and Planetology

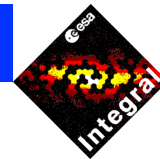
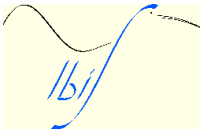
- The new ASI/INAF contract for INTEGRAL will expire in August 2013
- Actually there are **4 researchers (not staff member, M. Fiocchi, R. Landi, F. Panessa, A. Tarana)** based on this contract with the main task for:
 - scientific (3) and calibration (1) data exploitation
 - P.I. support for all activities
- There are also two **postdoc fellowships (P. Parisi, M. Molina)** for Follow-up of INTEGRAL/SWIFT newly discovered sources and for the AGN complete sample study plus **one for PICSIST monitoring (V. Bianchin)**
- Furthermore 8 researchers and 2 engineers (archive and hardware maintenance) are fully involved on science almost full time plus 4 part of the time within the INAF Institutes in Milano, Bologna e Roma.
- **G. La Rosa** continues as IBIS operation manager
- **M. Quadrini** retired in June 2011



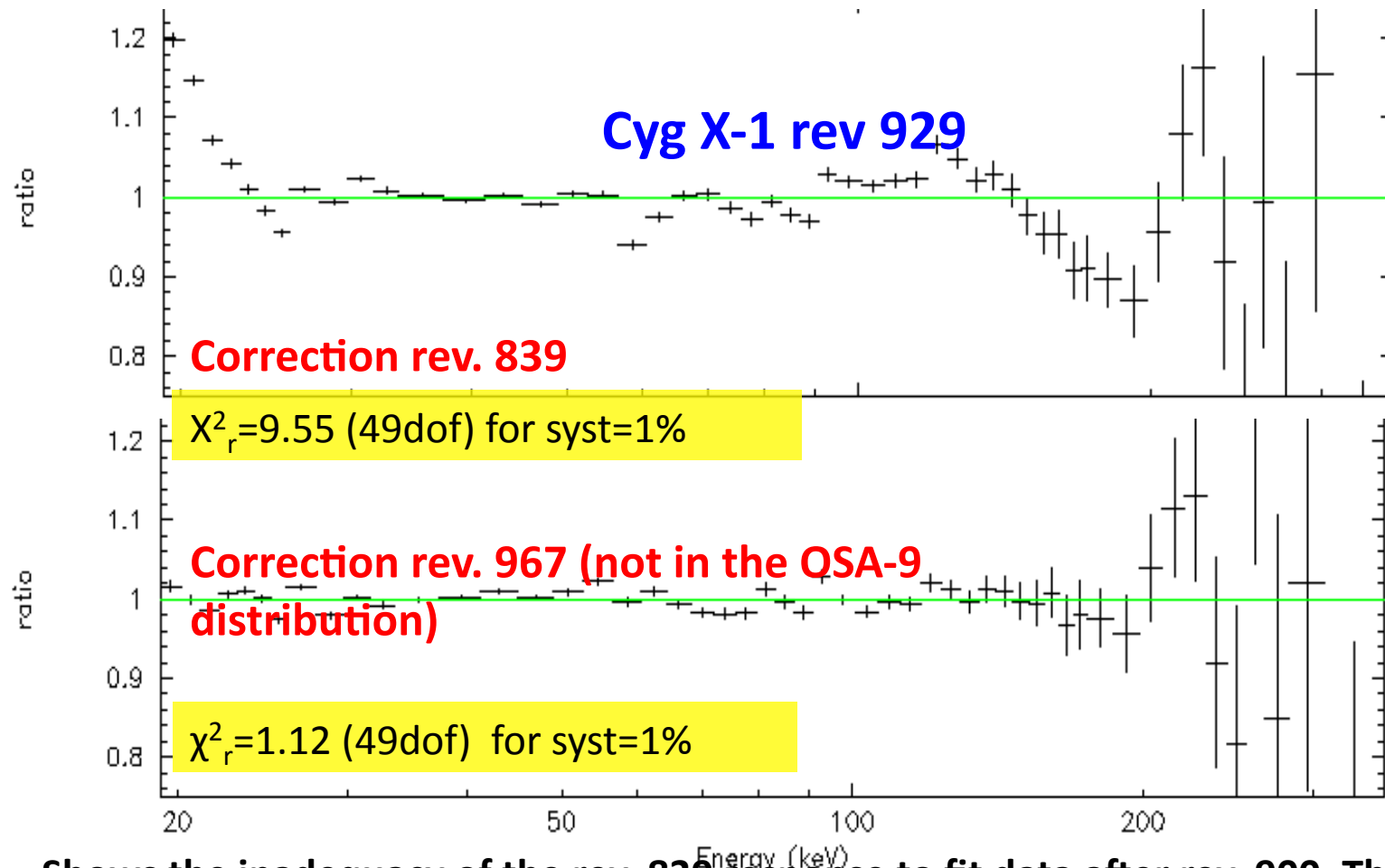
Calibration status OSA-9

- ☐ No update to the calibration files since last IUG meeting
- ☐ The latest ARF delivered is based on rev. 839; good coverage up to rev. ~900. The main problem is related an instrumental feature below ~25 keV
- ☐ A response file (ARF) for revolution 967 has been sent from Rome to Saclay for testing on June 17th, 2011
- ☐ A discrepancy has been reported by the Saclay team, disagreement of OSA-9 Crab count rate spectra of the Crab
- ☐ Several tests have been done in Rome, the issue is still open
- ☐ OSA-9 spectra may be affected at low energies by an uncorrect treatment of the ISGRI low threshold → decision to be taken...





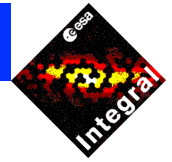
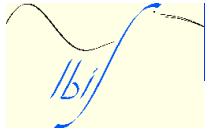
OSA-9, fitting of Cyg X-1 spectrum



Shows the inadequacy of the rev. 839 response to fit data after rev. 900. The effect is mainly limited below 25 keV

lorenza 15-Jun-2011 08:34





Calibration status OSA-10

- ☐ Main issue: a new energy correction software (see Report by the Saclay Team)
- ☐ A test ARF OSA-10 has been sent from Rome to Saclay on June 7th, 2011
- ☐ A plan is agreed on Sept 2011, that the Saclay Team will produce Crab spectra to be sent to Rome for new ARF computation
- ☐ The issue is complicated by the need to implement a new Nomex correction (on- and off-axis response of the coded mask), task of the ISDC
- ☐ A new version of energy correction and low threshold S/W has been delivered by the Saclay Team to the ISDC on October 12th (*email by CF*)
- ☐ The issue of the Nomex correction is still open → **action to be completed!**
- ☐ **A breakthrough is necessary for the IBIS calibration activity in preparation for the next extension....**