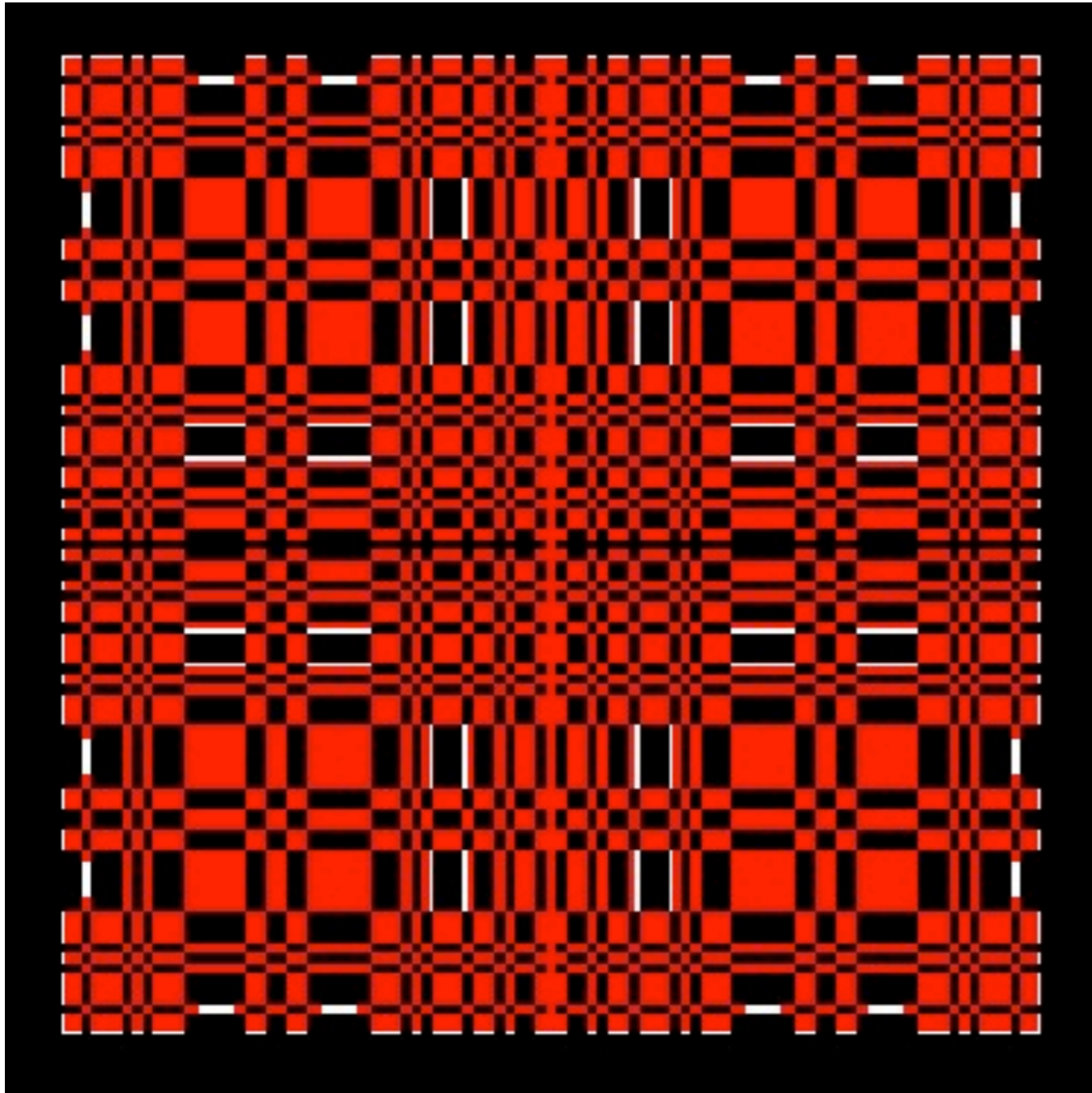


ISGRI improvements in OSA9



- ghost_buster
- corrected NOMEX
- background normalisation
- improved catalogue

Cyg X-1

IBIS/ISGRI OSA 8

IBIS/ISGRI OSA 9

0.2% residuals

source contrast > 2000

Full scale amplitude

Enhanced background

Enhanced background

2E 2013.7+3702



Crab 40-100 keV $\sigma \sim 1300$

cleaning & fixed position & thermal effects

Best Systematics down to $< 0.5\%$

cleaning & fixed position

cleaning & fitted position

Better

OSA 7

25

3

35

4

45

Remaining problems:

- sky modelling
- diffuse emission
- second order mask transparency problems

OSA 10

Towards Legacy:

- Documentation (review and improvement)
- Software long term maintenance (review and improvement)

Improvements:

ISGRI:

- Energy calibration and consequences
- Uniformity maps ?
- Improved catalogue
- BTI

JEM-X:

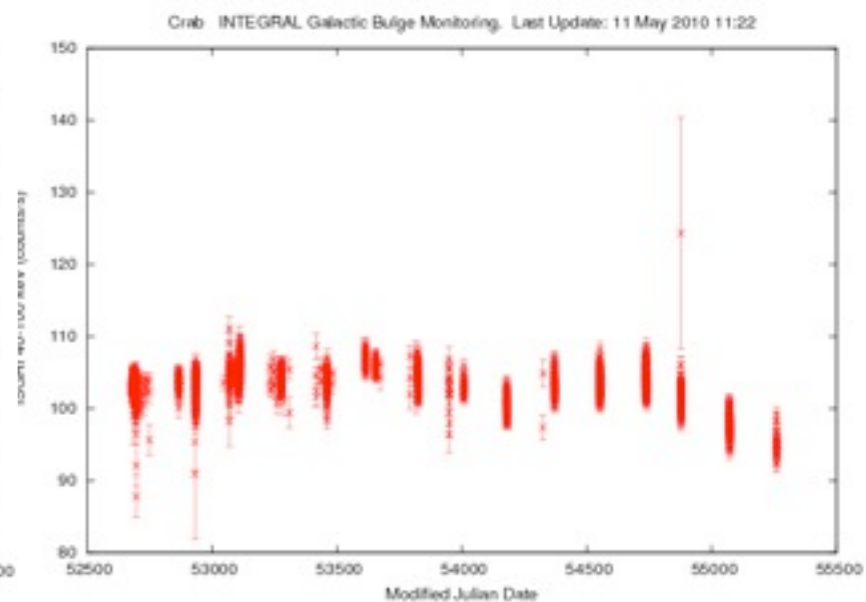
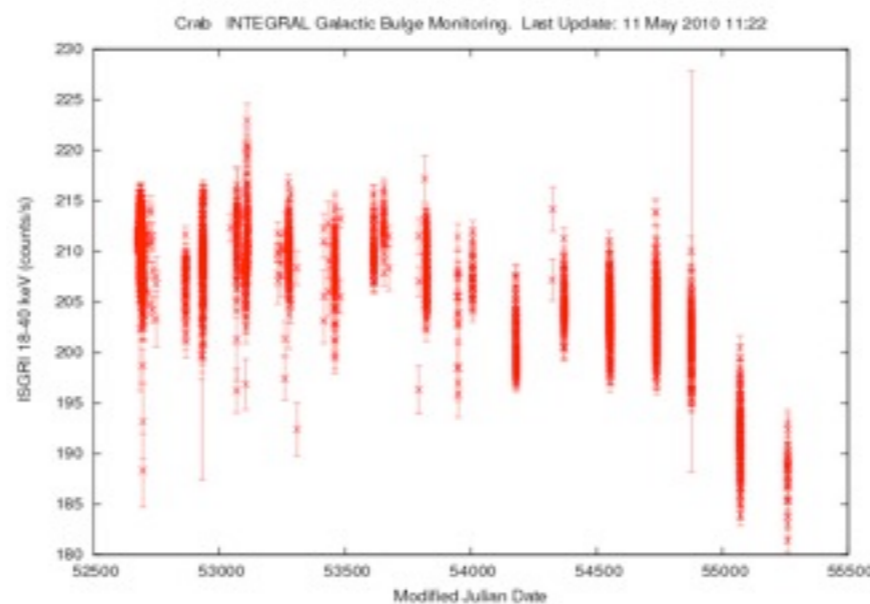
- assessment of OSA 9 results
- spectra and light-curves generated by j_ima_iros
- calibration factor for flux calibration

SPI:

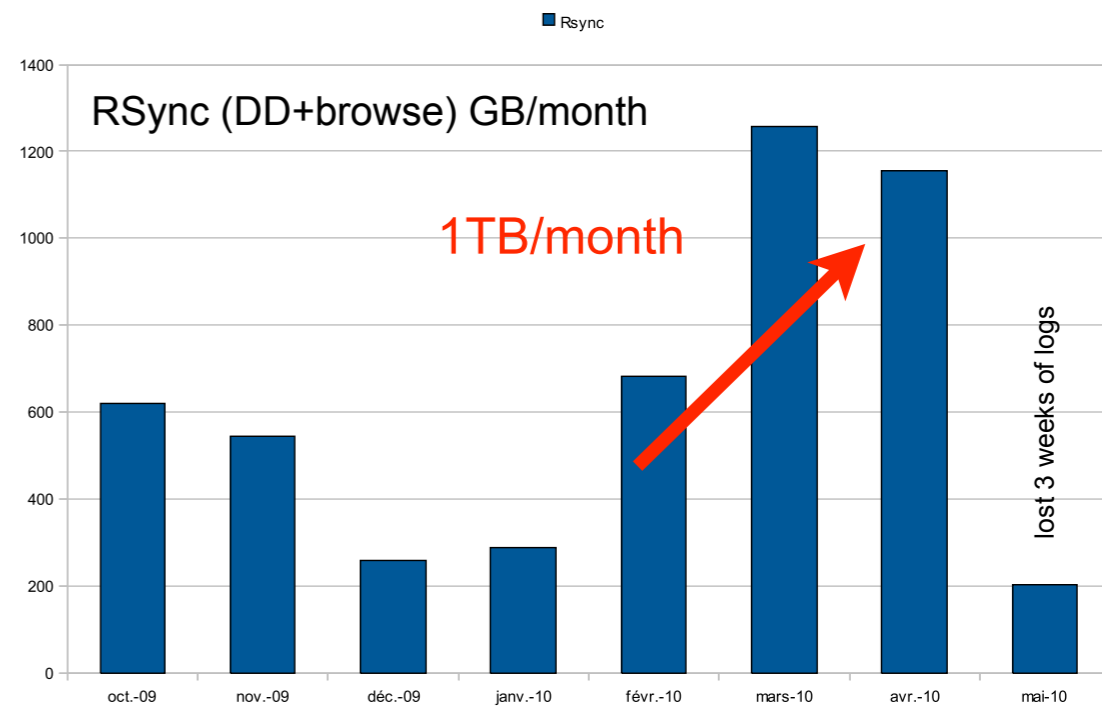
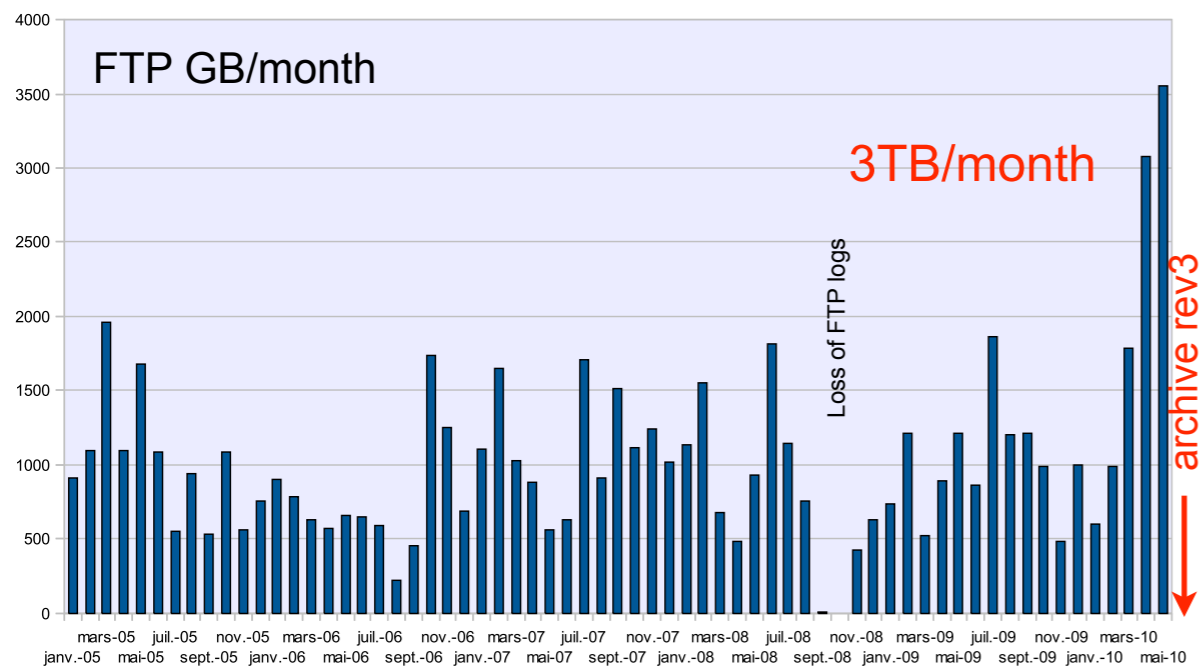
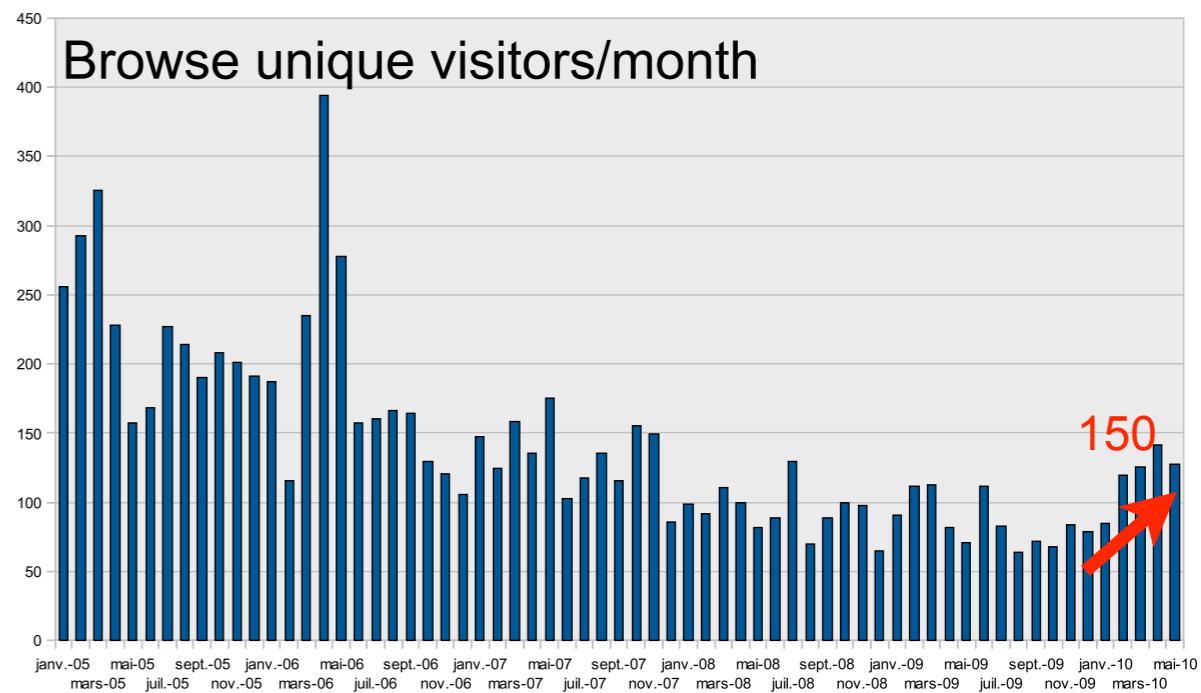
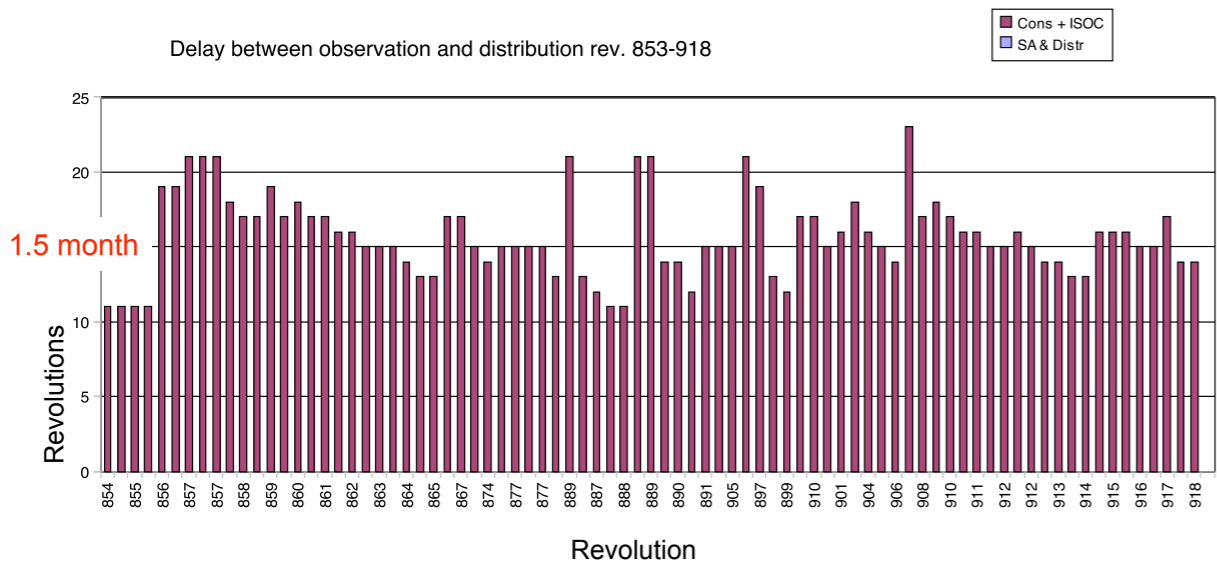
- consequences of new detector loss

OMC:

- no change



Archive usage



Archive rev 3

Science window data:

- Latest time correlation & calibrations
- All public data available

Science results:

Now:

- ISGRI, JEM-X, PICSIT & SPI: partial data

July:

- ACS, IREM, OMC in early July
- ISGRI full archive: mid July
- JEM-X full archive: late July

Later:

- SPI, PICSIT: more sources & data
- ISGRI, JEM-X: high time resolution data

2E 2013.7+3702

0.15 ± 0.025 ct/s

