# ISDC for the INTEGRAL USER GROUP

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# ISDC Status

- Swiss funding for 2015-2016 approved. Operations guaranteed. Possible issue with ESA contract and strong CHF.

- Funding for later are linked to ESA's decisions and budget constrains.

- Manpower allocation is stable at ISDC (share with other projects).

- The level of support for INTEGRAL is satisfactory.

- Re-organization of the Operation hardware and software has been done to ease maintenance and increase performance.

# Quick look analysis of INTEGRAL data

- 6 GRB in the IBIS Fov in 2014

- ~200 GRB/year in SPI ACS. Used for IPN triangulation.

- 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).

- 13 ATeLs related to INTEGRAL discoveries

- We inform the PI of public programs before using the observations.

# ISDC Operations/data distribution

- NRT data are available <span style="color:red">within 3 hours. Smooth processing.</span>

- The operational archive is now revision 3

- Page to distribute data from AO12, public for serendipitous science.

- JEM-X off-line energy calibration not always used the due to variable delivery time: need of OSA energy reconstruction step. Noticed that NRT data for JEM-X are not always available due to energy reconstruction.

- SPI gain coefficients recomputed and reconstruction stabilized.

- Small gaps in NRT telemetry due to hardware failure of the University infrastructure supporting the data transfer (switch).

# Data distribution

**Terms and Conditions of Use of the Data**

ISOC and ISDC ensure that the approved 1-year proprietary nature of the data (or science) rights of the accepted observing time proposals are respected.

The full list of target regions with propretary rights is provided by ISOC and can be accessed by clicking here.

**Scientists, who will have gained knowledge on the other sources in the course of their analysis, will not attempt to publish data pertaining to other proprietary target regions during the proprietary period.**

**Any non-observance of this rule will be notified by the Project Scientist (PS) to the TAC and to the journal involved.**

☐ I have read and agree to the Terms & Conditions of Use of the Data.

| Target region ▲ | NRT or CONS | Revolution(s) |
|---|---|---|
| 190.0 12.0 | CONS | ☐ All target revolutions<br>☐ 1492 ⓘ ☐ 1493 ⓘ |
| 191.0 9.0 | NRT | ☐ All target revolutions<br>☐ 1497 ⓘ ☐ 1498 ⓘ ☐ 1499 ⓘ ☐ 1500 ⓘ |
| Scorpius-Centaurus | NRT | ☐ All target revolutions<br>☐ 1501 ⓘ ☐ 1502 ⓘ |

Showing 1 to 3 of 3 entries

2. **Enter your first name** [                    ] **and last name** [                    ]

3. **Enter your e-mail address** [                    ]
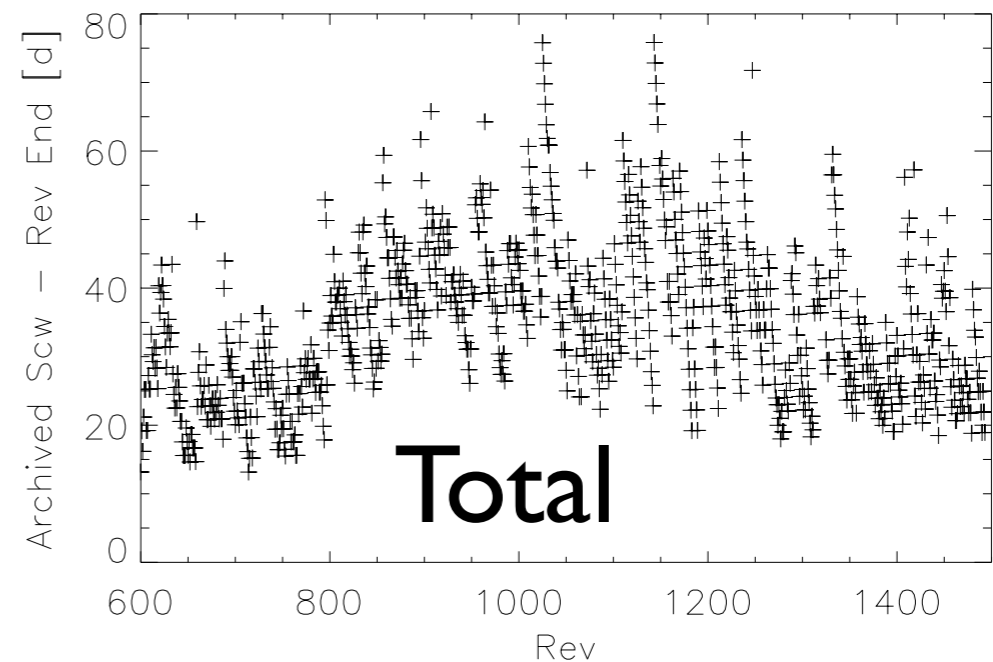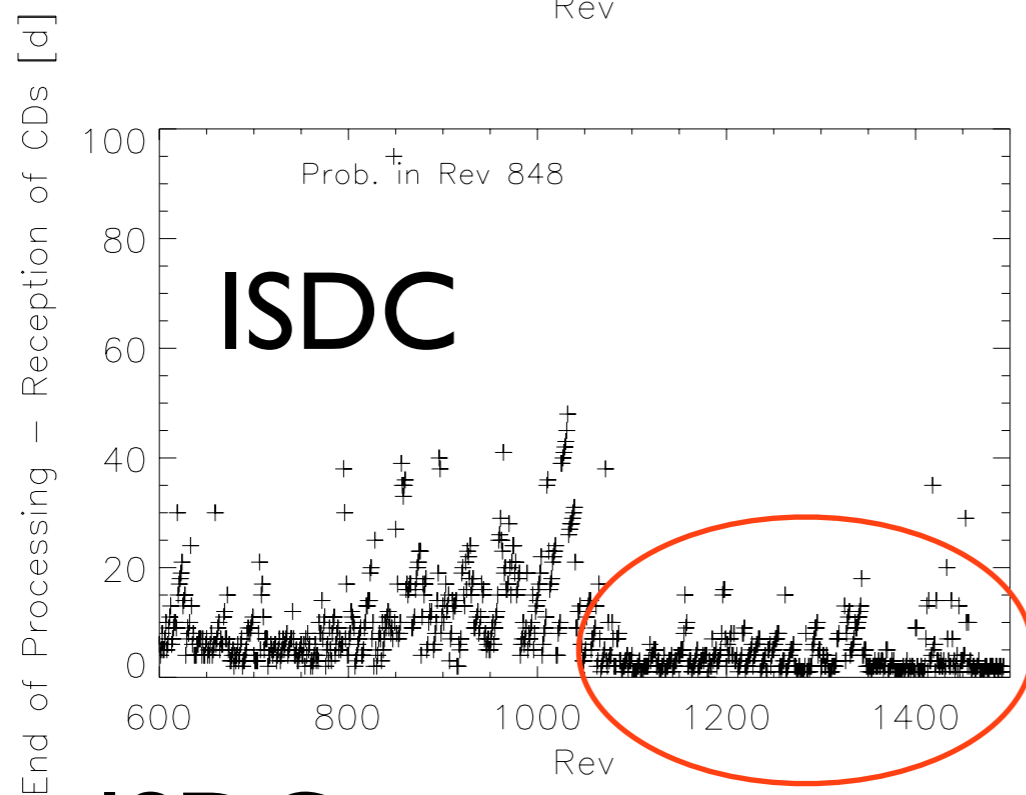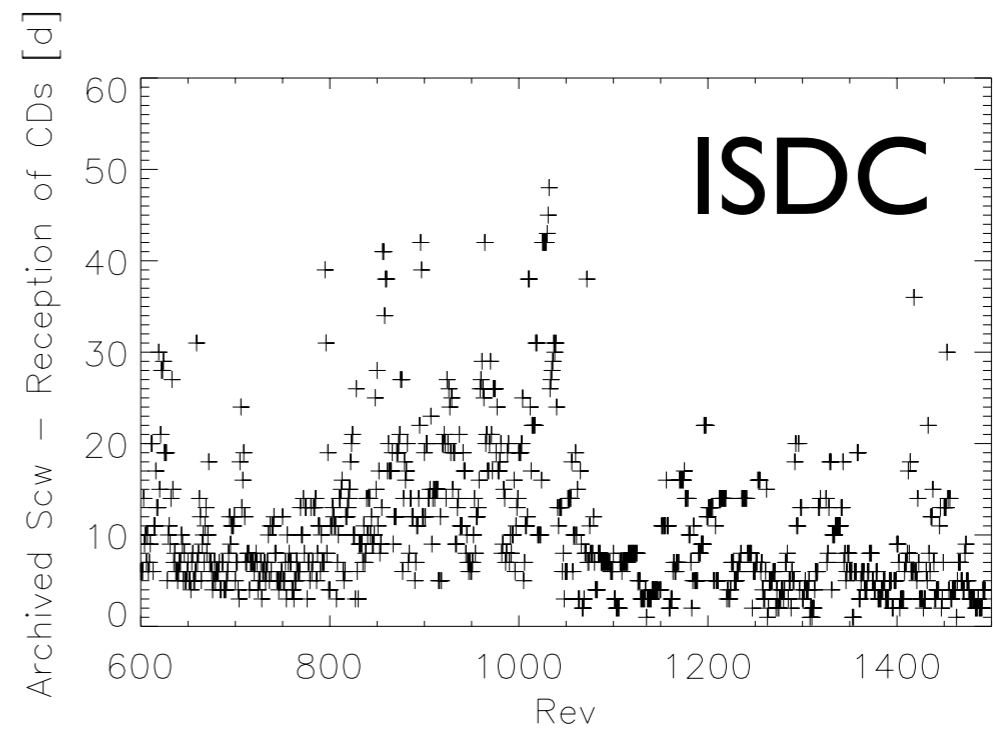
4. **What is 8 plus 2 ? (human test to stop spam)** [          ]

5. [ Submit ] **your request**

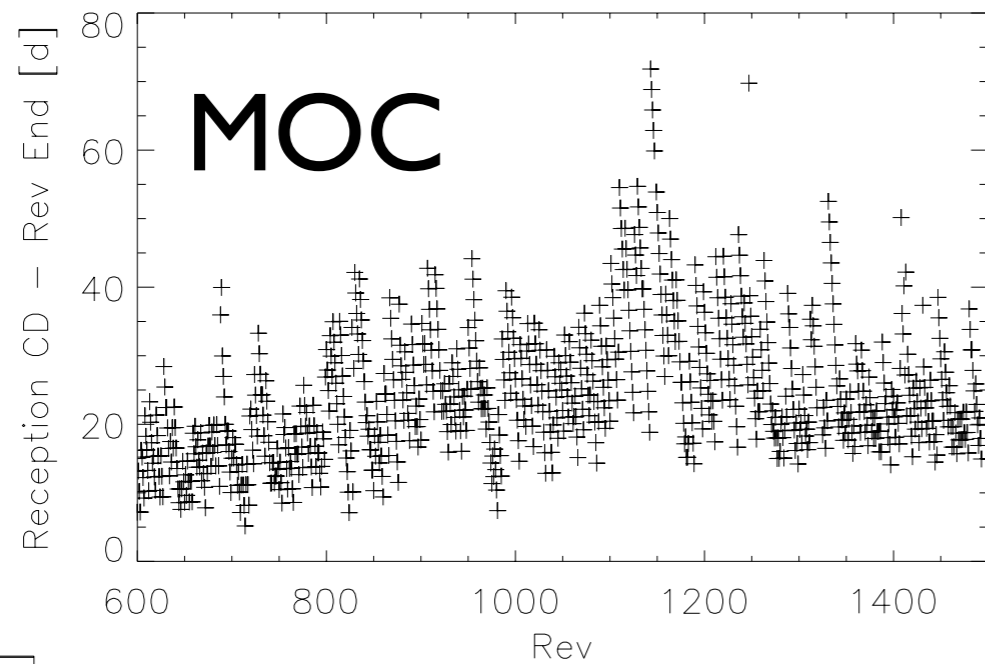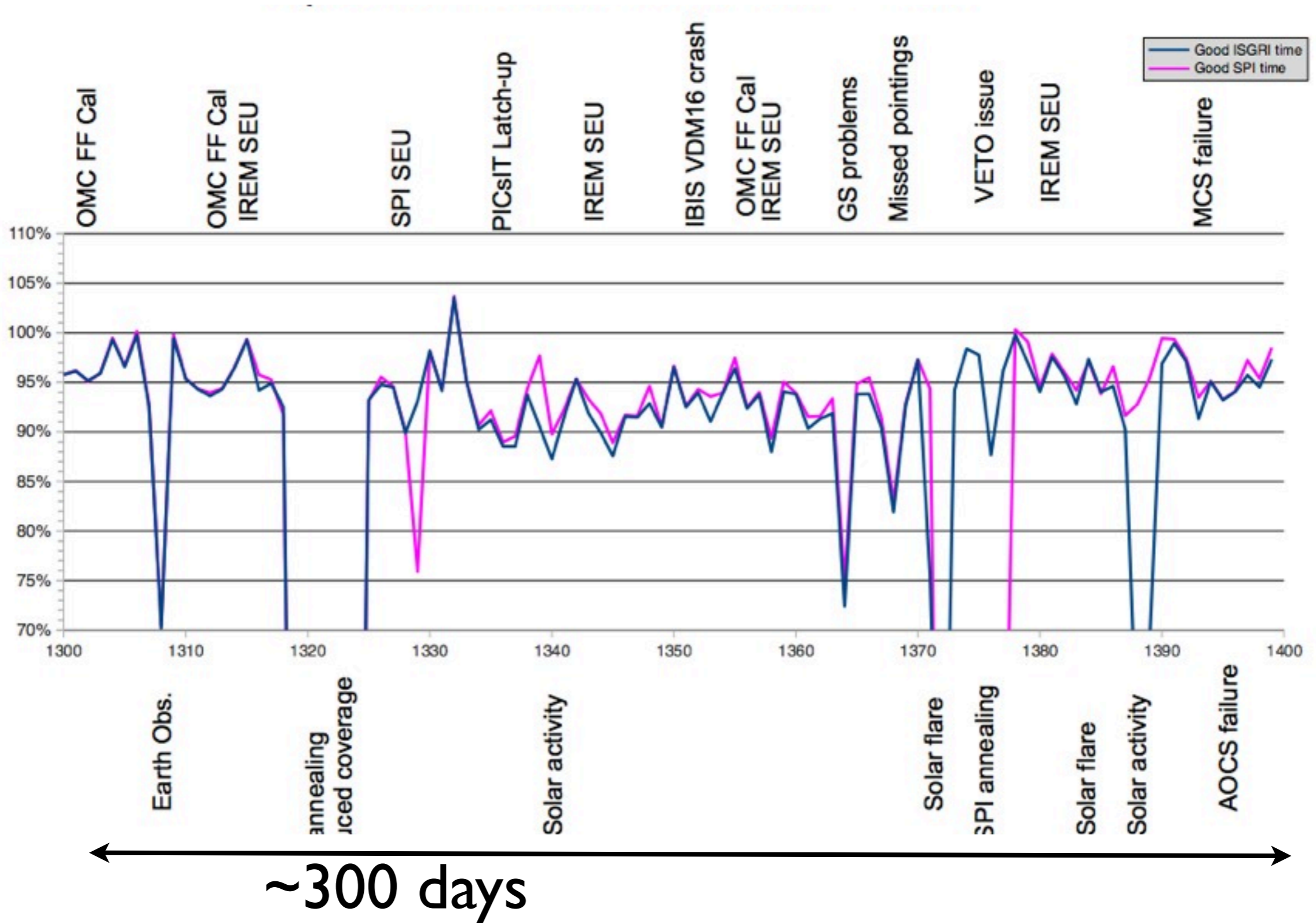# Telemetry
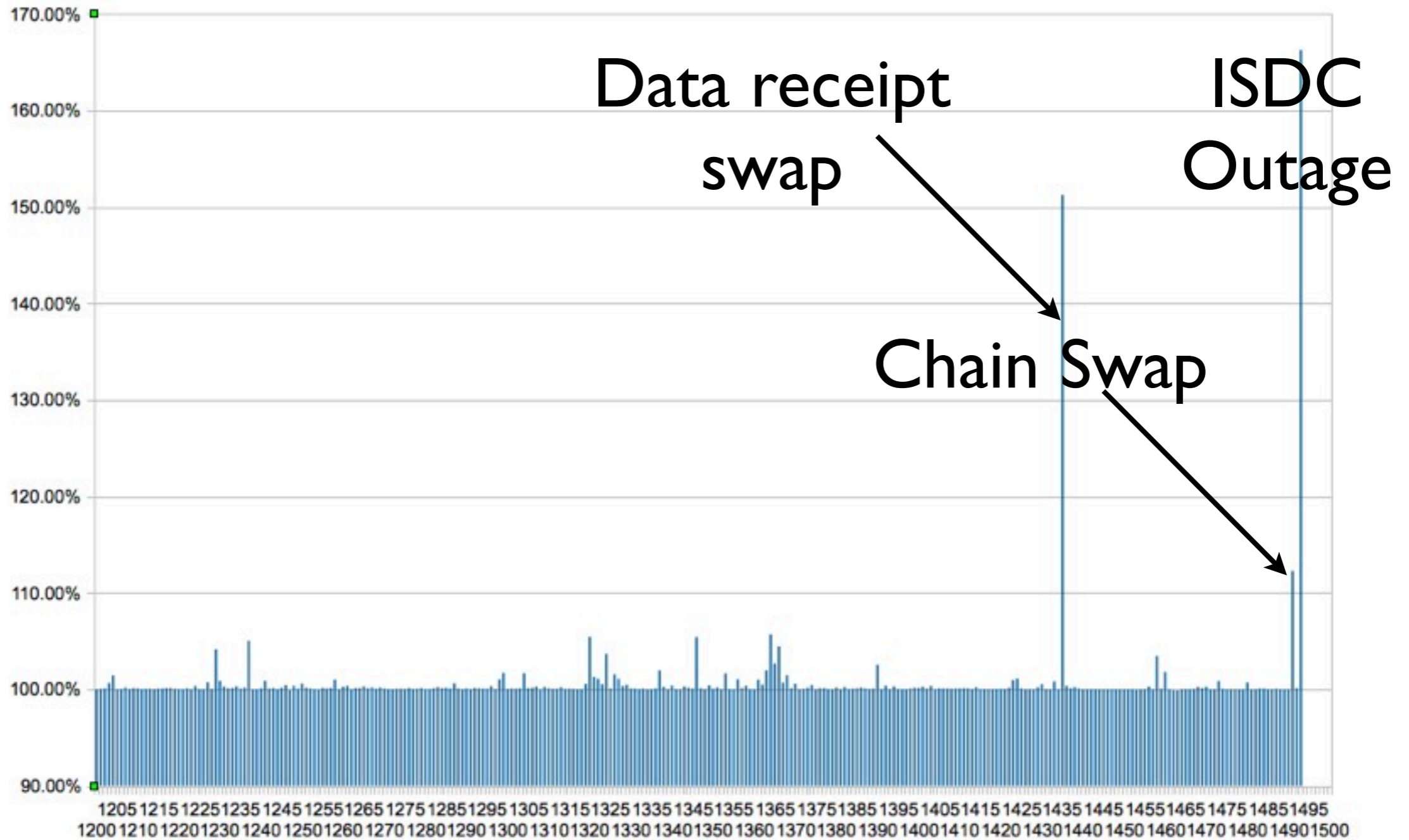
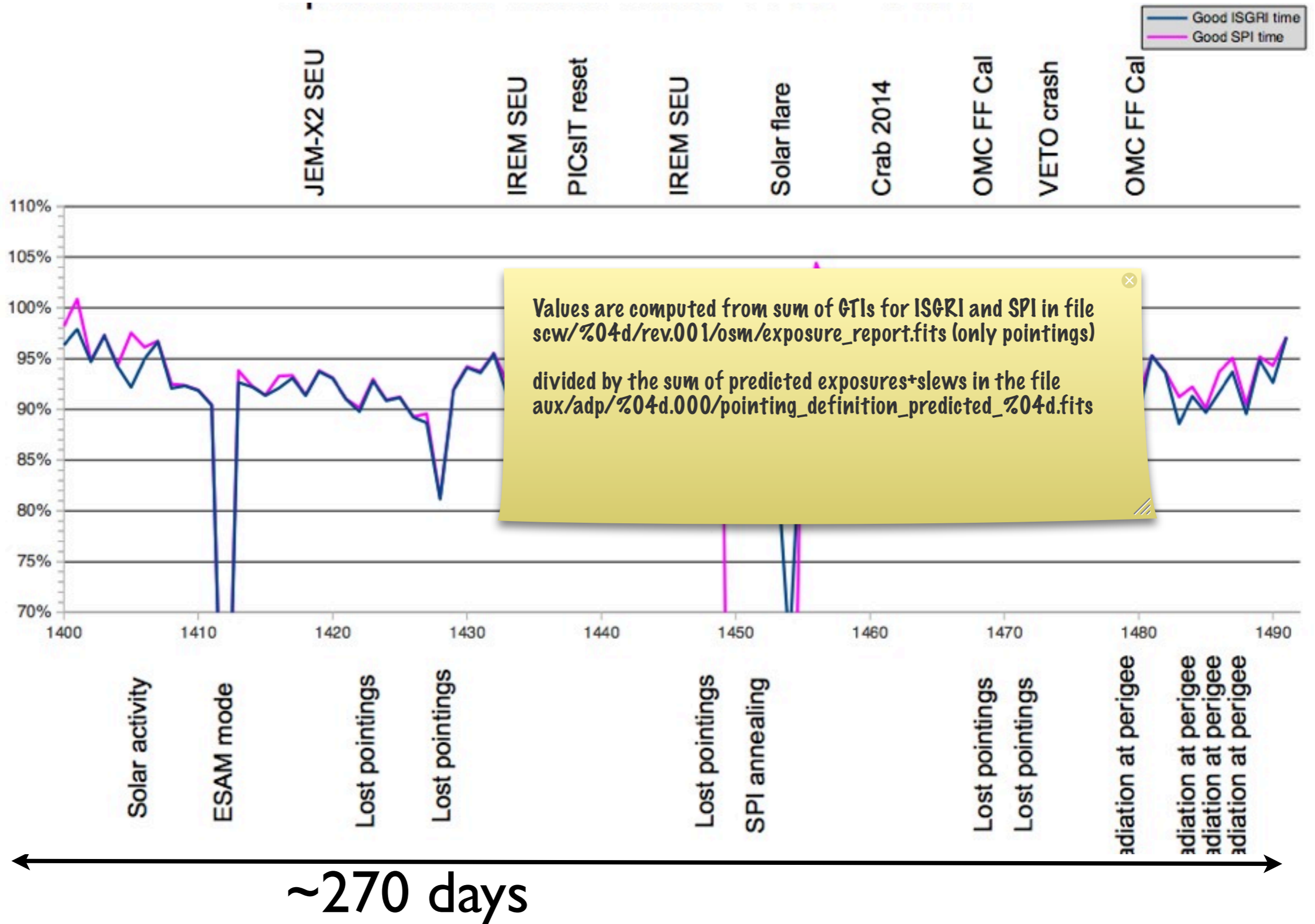# Cons distribution delay

## Last processed revolution is 1493



ISDC processes in <10 days, with exceptions.

# Sum of Good time intervals wrt to planned time

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Values are computed from sum of GTIs for ISGRI and SPI in file scw/%04d/rev.001/osm/exposure_report.fits (only pointings)

divided by the sum of predicted exposures+slews in the file aux/adp/%04d.000/pointing_definition_predicted_%04d.fits

~270 days

# Data downloads

| Month 2014 | FTP | | Browse | | Rsync | | Total | Total unique visits |
|---|---|---|---|---|---|---|---|---|
| | GBytes | accesses | MBytes | accesses | GBytes | accesses | GBytes | |
| January | 2203 | 114 | 783 | 88 | 448 | 20 | 2652 | 222 |
| February | 301 | 121 | 493 | 75 | 1760 | 39 | 2061 | 235 |
| March | 510 | 238 | 836 | 104 | 1085 | 41 | 1596 | 383 |
| April | 647 | 118 | 72 | 39 | 1149 | 16 | 1796 | 173 |
| May | 334 | 105 | 0 | 0 | 739 | 14 | 1073 | 119 |
| June | 265 | 53 | 193 | 34 | 604 | 14 | 869 | 101 |
| July | 1521 | 58 | 379 | 63 | 1211 | 18 | 2732 | 139 |
| August | 506 | 70 | 259 | 58 | 7444 | 17 | 7950 | 145 |
| September | 891 | 70 | 406 | 98 | 2761 | 27 | 3652 | 195 |
| October | 6981 | 49 | 884 | 86 | 1049 | 25 | 8031 | 160 |
| November | 2023 | 52 | 248 | 103 | 1255 | 22 | 3278 | 177 |
| December | 413 | 48 | 271 | 89 | 7997 | 19 | 8410 | 156 |
| | | | | | | | | |
| | Failed stats | | | | | | | |
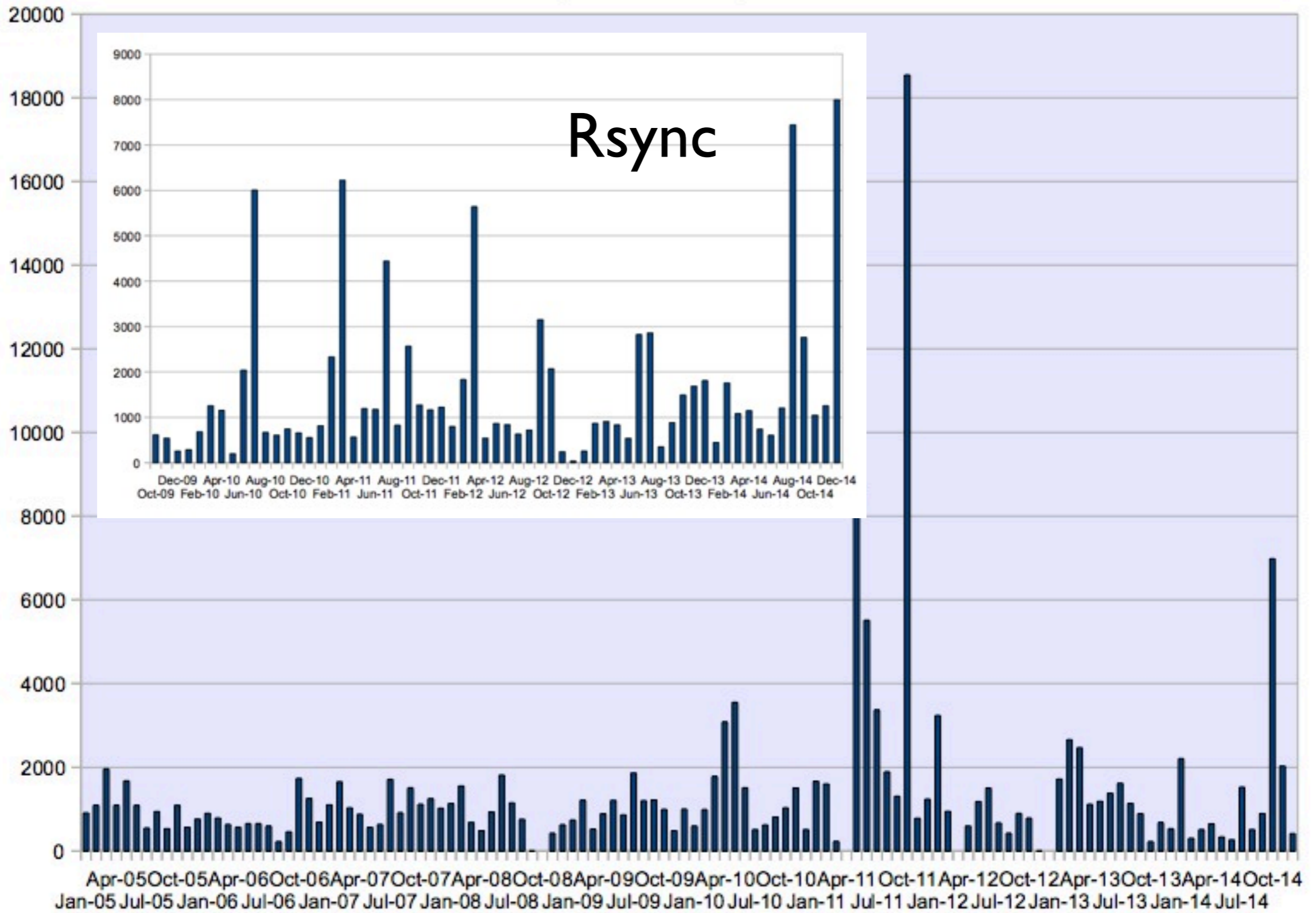
Added Rsync since 2009

Browse unique visitors
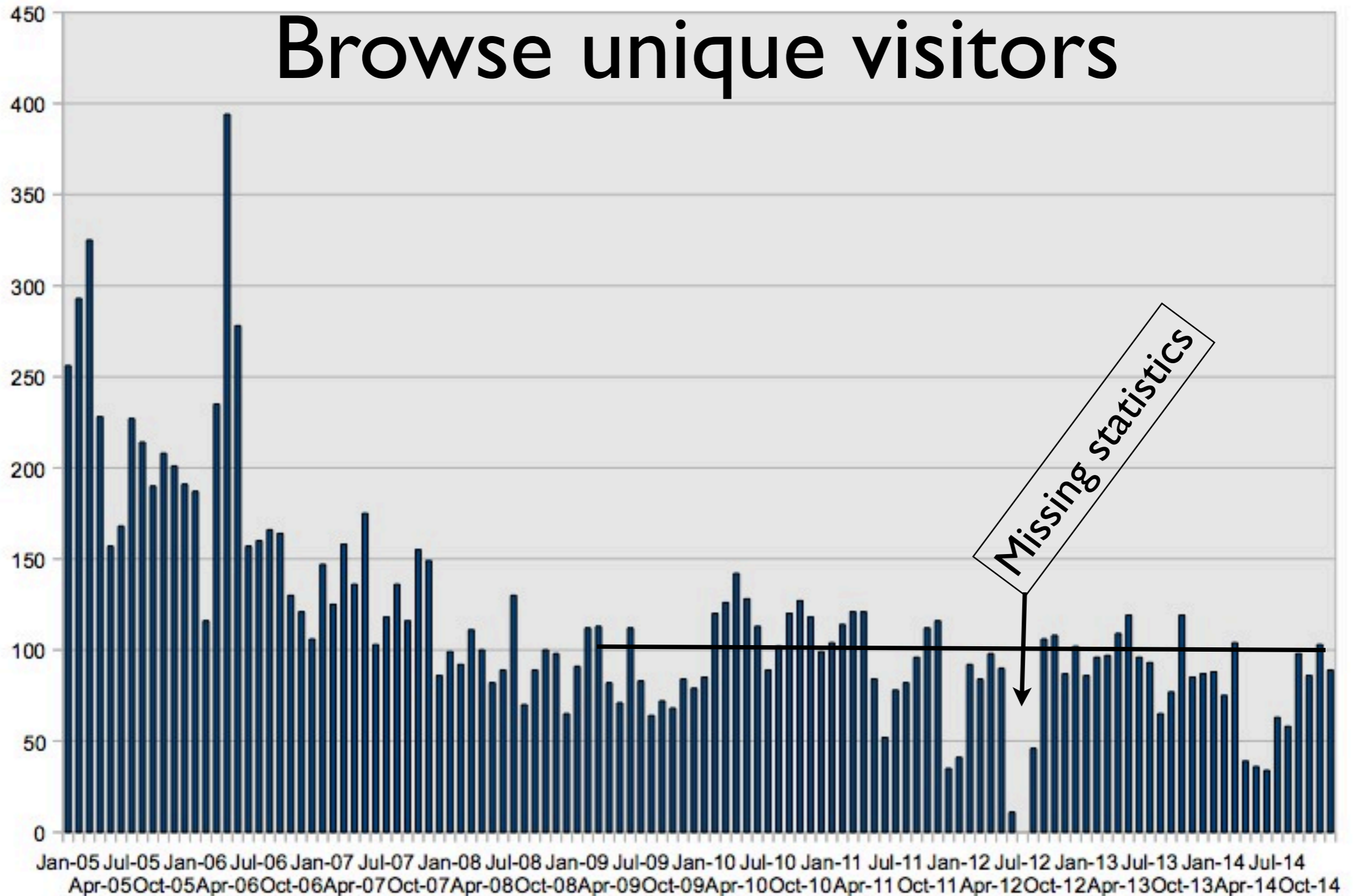
# OSA downloads

- OSA 10.1 software was downloaded 59 since its delivery (excluded ISDC downloads).

  - 28 linux 64, 13 linux 32, 18 Mac  (16 mountain Lion, 2 Lion), 13 source

  - 19 testdata downloads

- Continuous interest.

- A few issues with Linux libraries.

# High level archive, HEAVENS



- Included FERMI/LAT, Planck, SPI, RXTE, and XMM-Newton.

- Development on hold for funding shortage (inclusion of Swift/BAT)

110 single accesses per month

# Future activity

- Routine update of IC files

- Guarantee smooth operations

- Release of OSA 10.2 to support Mac new versions (technical changes) and bug fixes.

- Next major version awaits for the ISGRI energy reconstruction.

- Prepare for long term operational phase: archive regeneration and sustainable OSA distribution.