

ISDC status

R. Walter (ISDC) – IUG meeting June 11, 2008

ISDC funding

Funding of the swiss confederation is approved until end of 2011 (2MCHF/yr).

Two additional (i.e. 4 in total) positions to be funded by the University of Geneva.

Consortium:

- **US: funding will stop in January 2009:**
Bruce O'Neel will continue on swiss funding, Jake Wendt already left
- **D: 2 FTE**
Ingo Kreykenbohm has left for Bamberg, will be replaced by Carlo Ferrigno from Palermo.
Dirk Petry status unclear after 2008.
- **CZ: 1 FTE** Rudolf Galis
- **PL: 1 FTE** Piotr Lubinski
- **GB: 0.5 FTE** Simon Shaw
- **I: support from Milano concerning GRBs**

Operations

Data: (last 50 revolutions)

99.0% of TM processed in RT

99.5% of consolidated TM available

Good time amounts to 96% (ISGRI) and 100% (SPI)

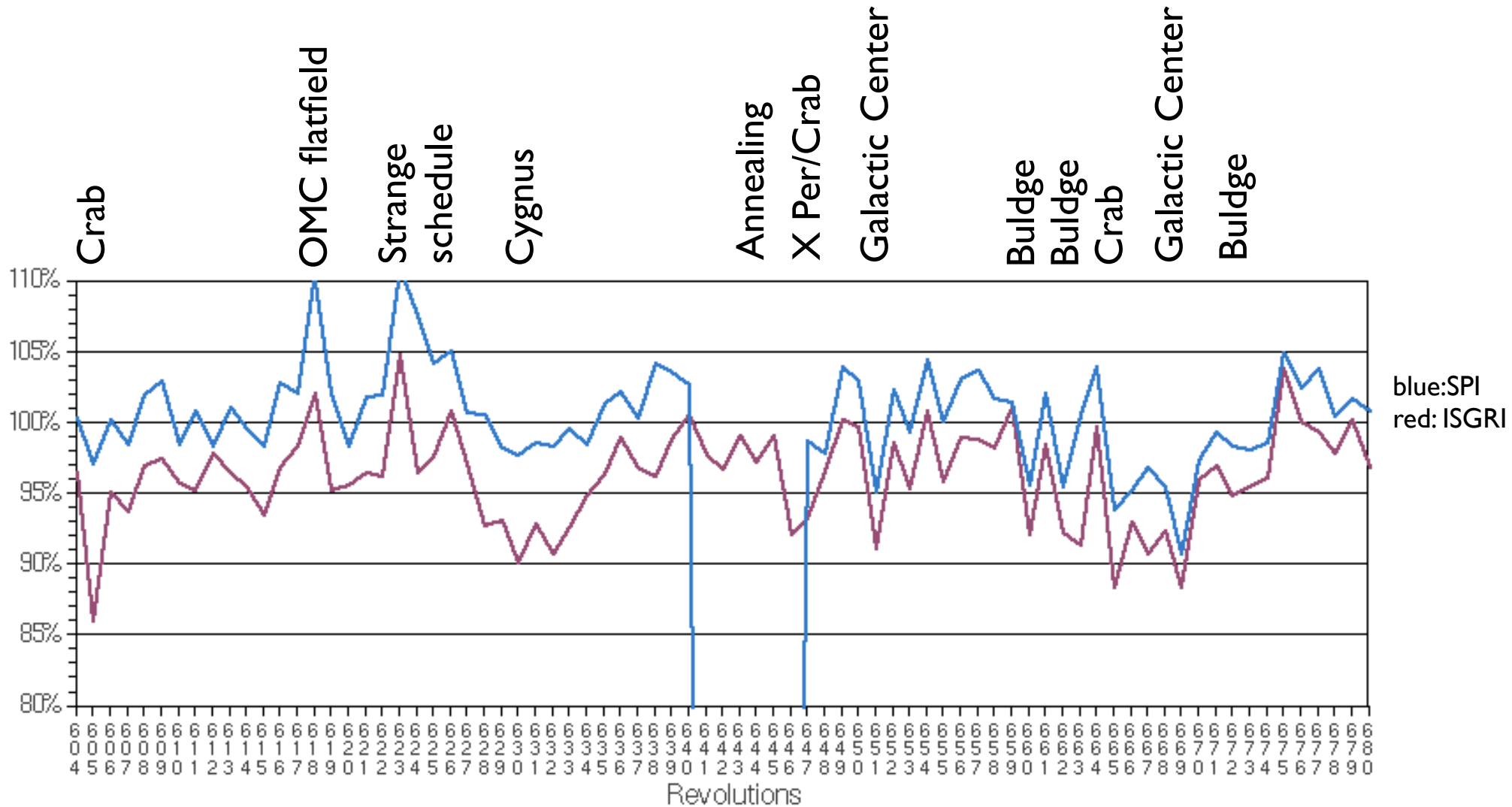
Time correlation problems are converging

Delay between observation and distribution: 1 month

Circulars (December 2007 to May 2008 i.e. 6 months):

4 GCNs	(0.7 per month)
44 ATEs	(7 per month)

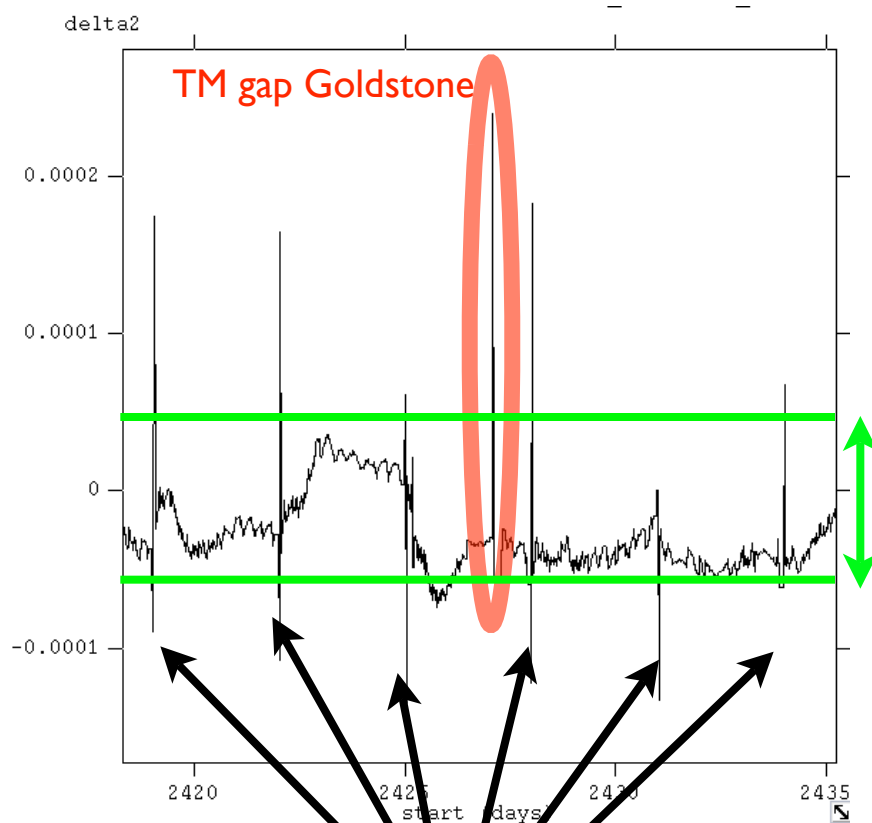
Operations: good time



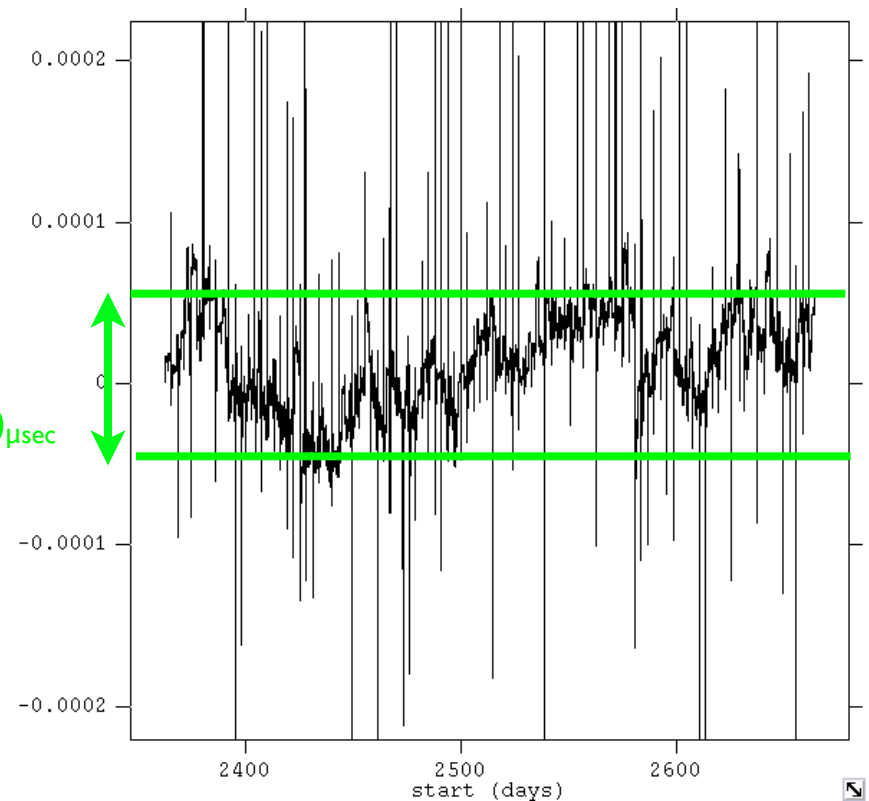
It seems we are losing 5% of the data when bright sources are in the field

Operations: time correlation

delta2 = duration of 1800s OBT, corrected for thermal effects on oscillator frequency



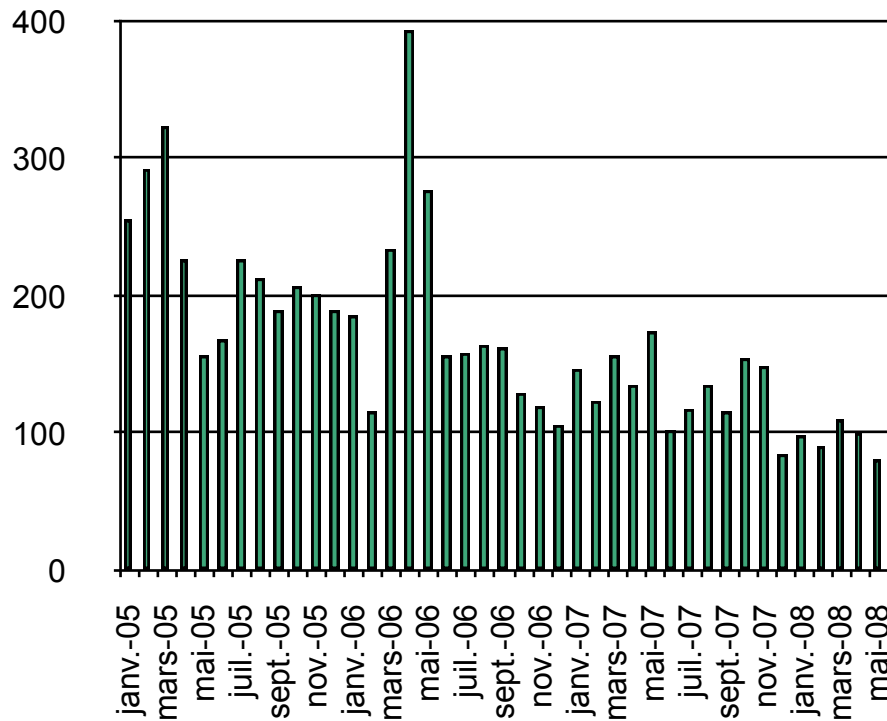
Perigee passage



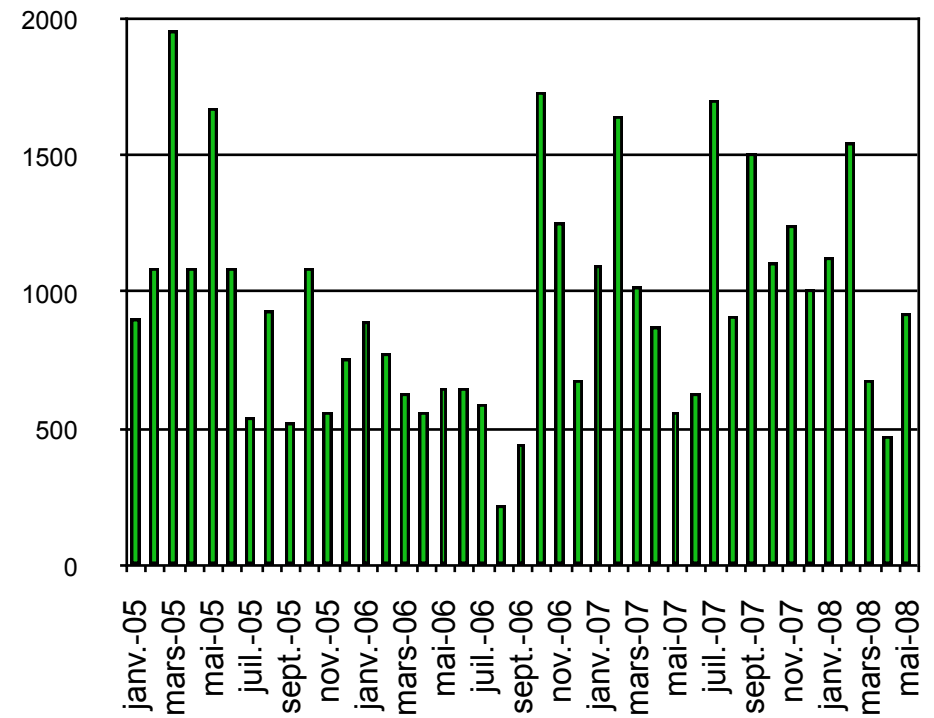
All records: 1 sigma = 42 μsec
“Removing” outliers: 1 sigma = 29 μsec

Operations: archive usage (not incl. IT, ISOC, ...)

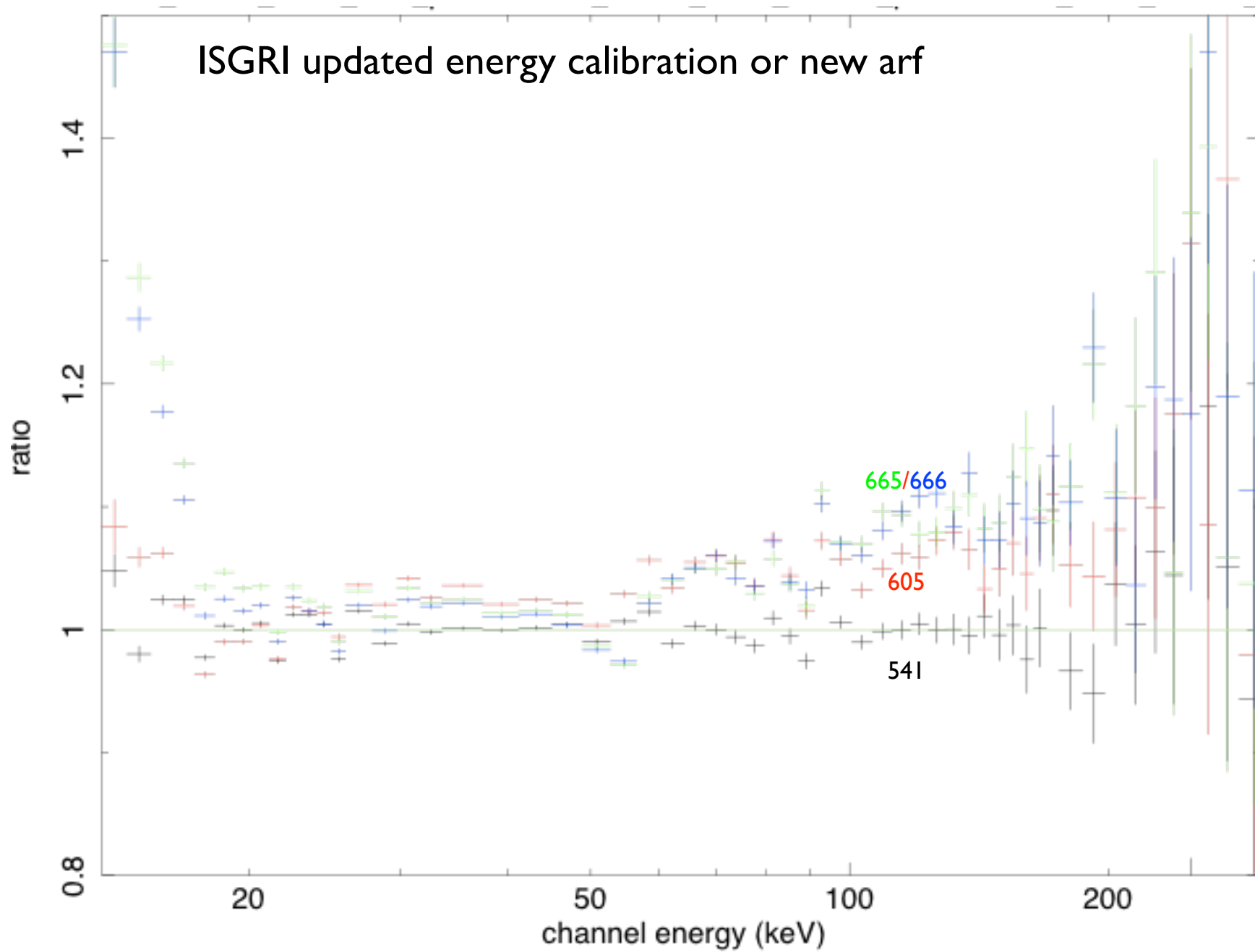
Request on W3Browse
from different users



Archive ftp (GB/month)



OSA (urgent upgrade)



Towards OSA 8 (target end 2008 ?)

ISGRI:

- Follow on energy calibration
- Ghost cleaning

JEM-X:

- flat Crab lightcurves

Conclusions:

- ISDC support safe until end of 2011
(provided continued support from consortium)
- Concern with calibration follow-up for the next many years

Promoting the mission

Conferences:

- Clumping in Hot Star Winds: 1 talk
- 5th Anniversary workshop: 5 talks, N posters
- Binary population (Florida): 1 poster
- ICATPP (Como): 1 talk
- Large space missions beyond the next decade: 1 poster
- Swiss Society for Astronomy & Astrophysics 1 talk
- Identification of TeV sources: 1 talk
- Swiss-Japanese INTEGRAL/Suzaku workshop: 8 talks + several new collaborations
- HEAD 2008: 2 posters (1 INTEGRAL session)
- X-ray Universe 2008: 5 talks, 3 posters (18 INTEGRAL abstracts)
- Swiss Physical Society Meeting: 2 talks
- AGN Central Kiloparsec: 1 talk

Seminars:

- MPI Heidelberg
- MPI Bonn
- GSFC