12th IACHEC meeting closure

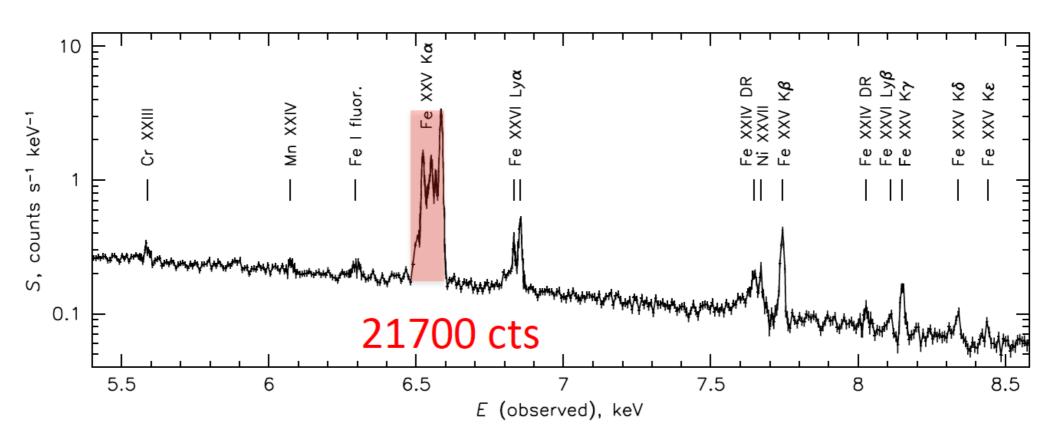
Matteo Guainazzi, SCI-S/ESA, ESTEC, Noordwijk, The Netherlands

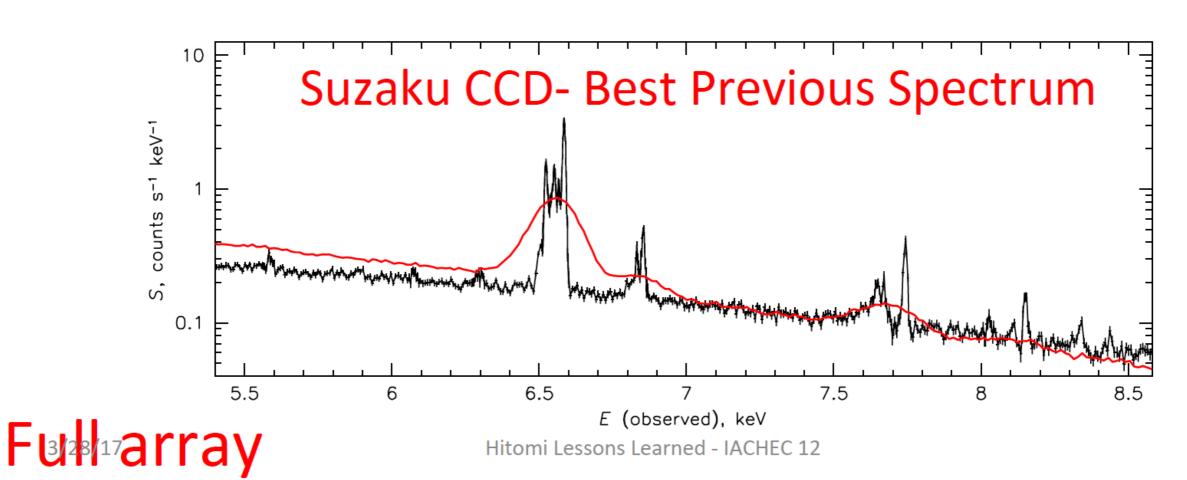
Thanks to: Adam, Eric, Hiromitsu, Hiroyuki, Kenjia, Kouichi, Koji, Ikuyuki, Masahiro, Maurice, Megan, Rob, Shinya, Shu, Toshiki, Yukikatsu "Be rough and razorable; she that from whom
We all were sea-swallow'd, though some cast again
(And by that destiny) to perform an act

Whereof what's past is prologue, what to come
In yours and my discharge."

William Shakespare, "The Tempest", Act 2, Scene 1

Residual instrumental background ~16 cts





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- 3. Promote the definition of good standard and practise on ground- and in-flight calibration, and support new missions (and the community at large) to pick them up

Goals of calibration management

- I. To provide good calibration of instruments Definition of good calibration: "provide ability to utilise Poisson statistics in data"
- II. To discourage publication of wrong science results Remaining open question:

how can this be achieved?

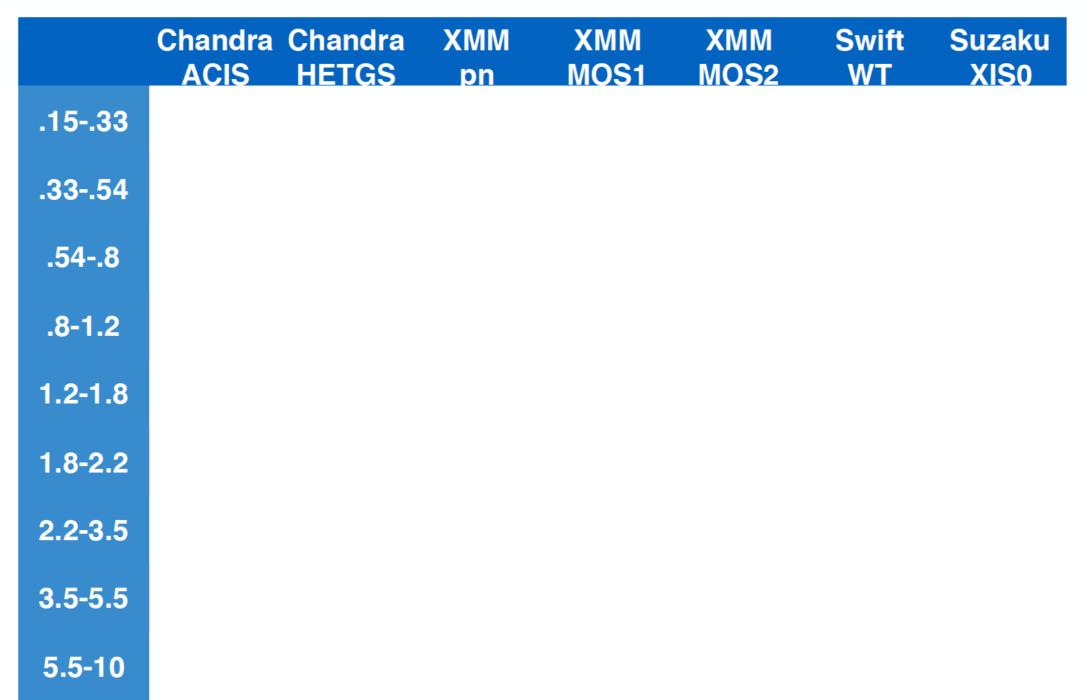


IACHEC paper status

Paper	Status last year	Status this year
1E0102-72	close to submission	published
3C273 + PKS2155-304	close to submission	published
C/X blazar sample	wrapping up	wrapping up
Crab	advanced draft	in preparation
G21.5-0.9	_	to be started
N132D	not discussed	in preparation
Concordance Project	_	in preparation
MMS (galaxy clusters)	to be started	in preparation
RXJ1856-3754	_	under consideration
Timing (Crab)	_	under consideration
Crab phase-resolved	_	under consideration

Helping Calibration Teams to understand their systematics

The Matrix (p. I)



Helping Calibration Teams to understand their systematics

The Matrix (p. I)

Chandra Chandra XMM XMM XMM Swift Suzaku
ACIS HETGS pn MOS1 MOS2 WT XIS0

.15-.33

.33-.54

.54-.8

.8-1.2

1.2-1.8

1.8-2.2

2.2-3.5

3.5-5.5

5.5-10

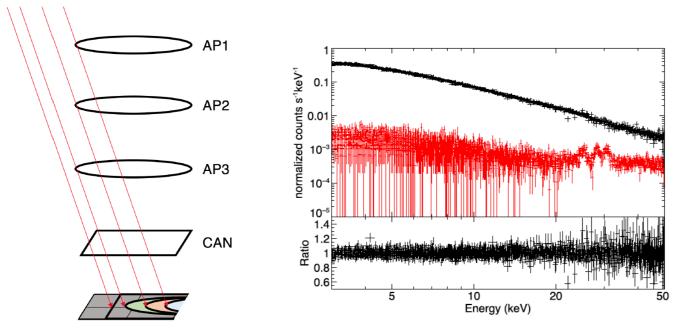


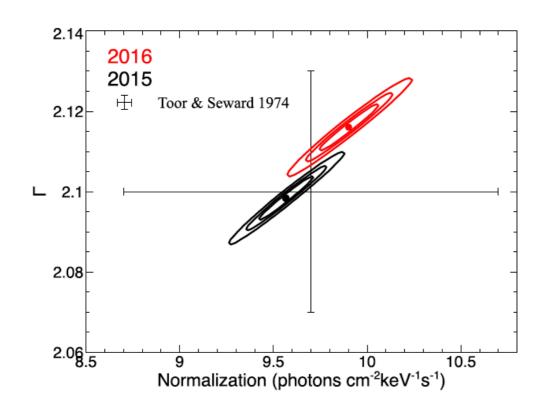
Journey to an uncharted territory ...

from K.Madsen's presentation

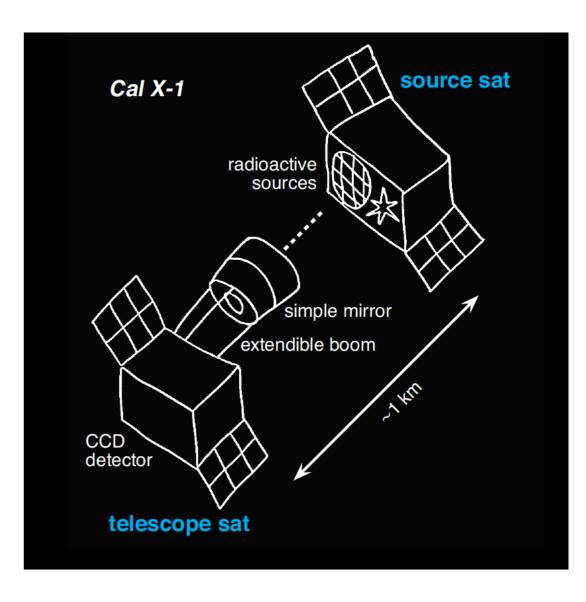
from M.Markevitch's presentation

The absolute flux of the Crab

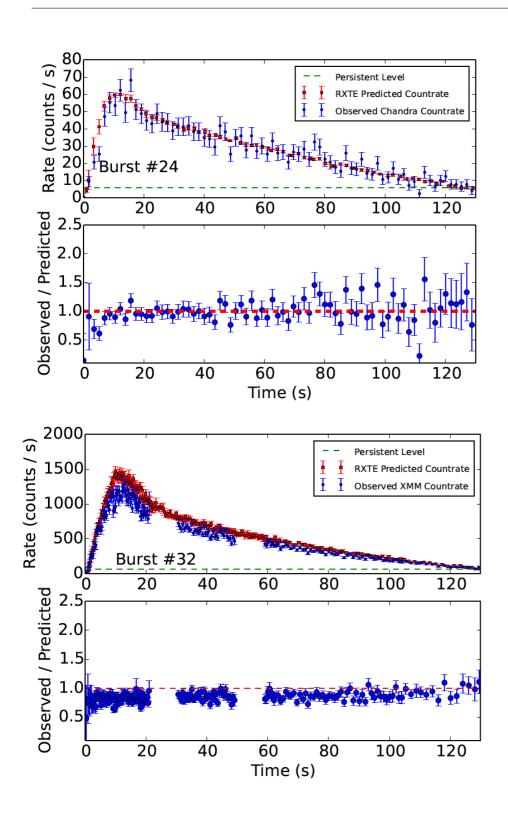




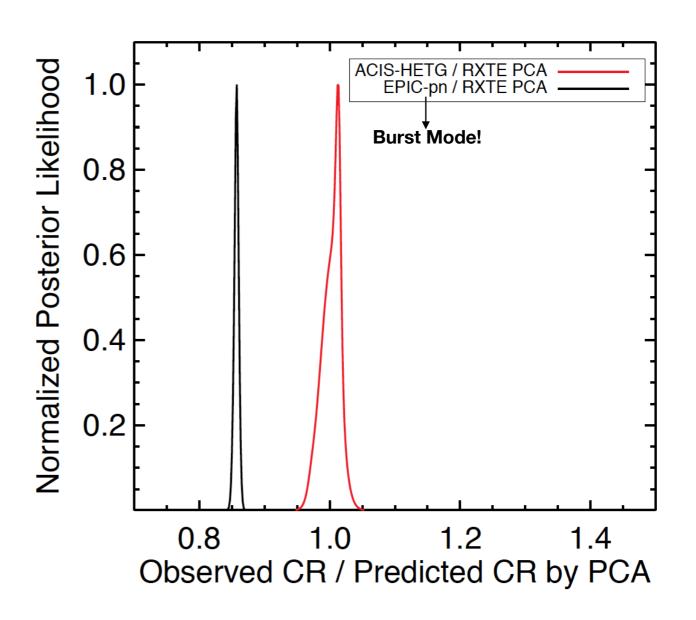
The absolute flux of everything



Quest for absolute flux calibrators



NS thermonuclear X-ray bursts as absolute flux calibrators



Agreements on cross-calibration status at 9th IACHEC

1. Compile a list of astronomical topics for which calibration uncertainties are a limiting factor

see M.Markevitch's presentation. Closed?