

Q&A session

How can the IACHEC help YOU – and how can YOU help the IACHEC

Talking points

- The IACHEC has been publishing papers on cross-calibration
 - Are they useful?
 - Can they be better?
 - Are there topics we have not covered that should be covered?
 - Clear tables and recommendations for people not familiar with detectors
 - Something that put things on an absolute scale in addition to the relative normalizations, compare to literature standards
- Should IACHEC provide calibration expertise for scientific journals/papers?
 - Would this be helpful or intrusive?

Talking points

- Collecting information on cross-calibration problems
 - Issues are typically submitted to the respective instrument helpdesks
 - Sometimes issues are not submitted at all, but are 'masked' to a degree such that a paper can be submitted
 - Sometimes issues circulate as rumors
 - Difficult to reproduce
 - Not enough data
 - Fringe case
 - User error
- Cross-calibration helpdesk
 - Will it be useful?
 - Can it be made searchable, such that the same questions does not get asked again and again
 - Consortium and helpdesks to point to the same location
 - FAQ list: eq what is relative calibration between X and Y, set of summary pages
 - Give people information about how being less wrong
 - Careful with what information to put on there, there could be work not yet published
 - What is the relationship between this FAQ and mission FAQ
 - Need mission independent document/curation, could IACHEC do this

Talking points

- Topics for next IACHEC meeting
 - Statistics WG dec 1st

Multi-mission astro-ph submissions (one year)

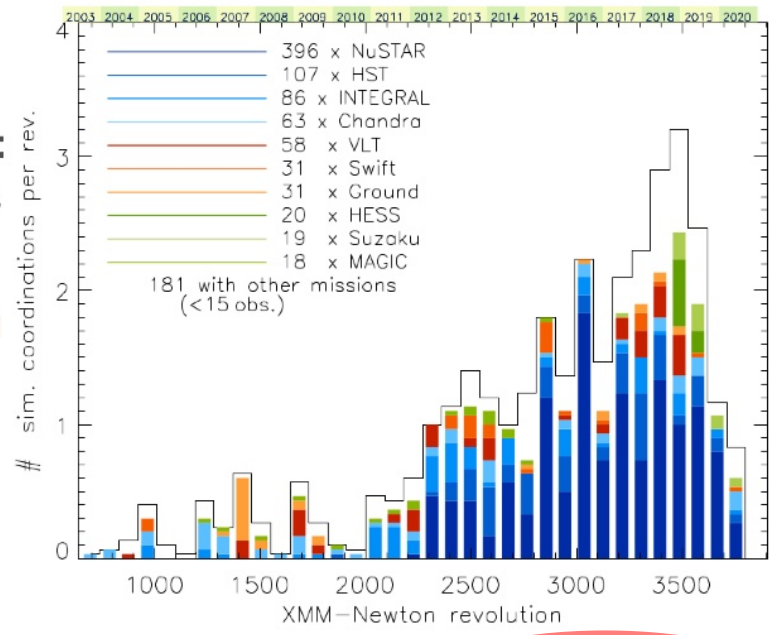
	(Total)	XMM	Swift	NuSTAR	NICER	INTEGRAL	Astrosat	HXMT
Chandra	(380)	63	20	27	5	1	4	-
XMM	(270)		38	60	6	9	4	1
Swift	(370)			49	9	7	1	3
NuSTAR	(160)				9	8	2	5
NICER	(100)					2	2	3
INTEGRAL	(many)						2	1
Astrosat	(40)							1
HXMT	(25)							

- Based on abstract search <https://arxiv.org/list/astro-ph/current>
 - Total is approximate number of all submissions to astro-ph for the mission
- Only searched for active high-energy missions
 - also AGILE, POLAR, Fermi
- Submissions continue for combined analysis with decommissioned missions
 - Hitomi, Suzaku, RXTE, ROSAT, ...

Demand for coordinated observations



- Demand for coordinated observations is increasing...
- Some observatory numbers:
 - **NuSTAR**: 30% of the observations are coordinated with other observatories.
 - **XMM-Newton**: ~12% coordinated observations (NuSTAR, HST, Chandra, VLT, Swift).
 - **INTEGRAL**: ~10% of the observations are coordinated with other observatories.



A. Ibarra | ADASS XXX – Granada – SPAIN | 12/11/2020 | Slide 4
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Courtesy J.-U. Ness