Scientific monitoring of a Routine Calibration Plan source: RXJ1856.6-3754

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History

- From the calibration objectives of EPIC-BOC 2008: *"RXJ1856 pn contamination monitoring should be done at ESAC using the cross-calibration archive. The goal is to have it implemented by* ***mid-2008"***
- Nathan Dickinson (Leicester University) spent 3 months at ESAC, primarily working with M.Stuhlinger
- Software infrastructure and codes later tuned and now maintained by M.Guainazzi
- They create a static web page with a summary of the results

Scope

- **What to do with that?**
- **My proposal**: we offer the XMM-Newton user a new service, which is complementary to the cross-calibration archive (XCAL).
- The basic content is the same as the XCAL: results of spectral fitting of interesting calibration sources with a standard model
- The main difference is that the user is guided to correctly interpret the results through a detailed explanation of the astrophysical and calibration context (the XCAL is “just” a list of spectral results and summary plots)
- Ideally, a similar scheme could be applied to all the sources in the Routine Calibration Plan, and – if so ...
- ... it could become one of the main user’s source of information on the time-evolution of EPIC calibration

Goals of this presentation

- Ask for your opinion on the overall concept
- If you like the idea, I will submit the current *content* of the web page to your comments
- Status of too premature for a public release before the User's Group ...
- ... however, we could show the concept
- Of course, this infrastructure could be "also" used as a true "internal" calibration tool, i.e. as a test-bed for new calibration files, methods etc.

Variability?