ACTIONS AND USER'S GROUP RECOMMENDATIONS

Matteo Guainazzi

ESAC-ESA

Actions from EPIC CAL <2011

20/8 on **M.Stuhlinger**: Investigate the possible effect of BRAT table to he relative flux normalization between EPIC-MOS and EPIC-pn for MOS Timing Mode observation
Status: OPEN

23/1 on **M.Guainazzi**: prepare skeleton of a Technical Note on the CAL-Thin/CAL-Medium NRCO
Status: **OPEN**

23/4 on **A.Read**: prepare a Technical Note on the analysis of the correlation between MOS noise onset and other observables
Status: **DONE – draft circulated on 8/2/2012**

23/5 on **M.Guainazzi**: organize a cross-calibration workshop at ESAC in autumn 2010
Status: **DONE – workshop held at MPE in November 2011, see M.Guainazzi's presentation**

23/6 on **F.Haberl/S.Sembay**: present a proposal on calibration papers number, topics and leadership (by UG-2010; drafts by BOC-2011)
Status: **OPEN**

Actions from EPIC-CAL 2011

- **24/1** on MG: distribute the EPIC-BOC minutes one month after the meetings
  - *Deadline:* 1 May 2011 **~DONE, minutes delivered in July 2011**
- **24/2** on SS: make sure that the Action 24/1 happens
  - *Deadline:* 2 May 2011 **DONE (see above)**
- **24/3** on MG: write 3 SAS-SCR on M.Freyberg's FIFO correction for bright sources
  - *Deadline:* 31 August 2011 **OPEN**
- **24/4** on MG: write SAS-SCR to implement KD's EPIC-pn spatial-dependent gain correction
  - *Deadline:* 31 August 2011 **DONE (by R.Saxton, SAS-SRC 321)**
- **24/5** on AT: estimate the minimum RXJ1854 exposure time to get meaningful measurements of its spectral parameters
  - *Deadline:* 31 May 2011 **DONE, see presentation by A.Tiengo**
- **24/6** on MG: propose an update of the Routine Calibration Plan to accommodate the raster observation on RXJ1856-3754 as well as a cycling filter observation on either RXJ1856-3754 or PKS2155-304
  - *Deadline*: 31 May 2011 **DONE: a) see above; b) not clear if still needed.**
- **24/7** on MG: propose an NRCO on offset map calculation in EPIC-pn Timing Mode
  - *Deadline:* 31 July 2011 **DONE, see presentation by M.Guainazzi**

UG's recommendations

Recommendation 2010-05-12/02: It should be checked if EPIC-pn timing mode observations for possible background generation exist and can be made available to the community. **On-going**

[probably] CLOSED, see presentation by B.Műck

Recommendation 2011-05-19/01: The XMM-Newton Project should continue its efforts on the following fronts with highest priority:

a. Improve the calibration of bright source mode observations (timing and burst mode)
b. Cross calibration between XMM-Newton instruments and cross-mission calibration
c. Improve the full 2-dimensional characterisation of the Point Spread Function

a) see presentations by M.Guainazzi, S.Carpano
b) see presentations by M.Guainazzi, F.Haberl, J.Nevalainen, S.Sembay, M.Stuhlinger etc.
c) see presentations by A.Read, R,Saxton