MOS monitoring

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MOS bad pixels: status

- Some hot pixels have developed and shall be flagged.
MOS bad pixels: problem

- Limit (50) will be reached for MOS2 CCD1, with already 48 pixels flagged as bad.
- Hot column (RAWX=579) in MOS1 CCD6 not yet patched
- New dead areas spotted from the cooling test should be flagged
- CCFs for revs with wrong (previous) on-board tables not generated yet.
• Offset table still vastly valid

• But some long-term trend can be seen as well as the effect of eclipse, but only by 0.5-1 ADU.
MOS CTI monitoring: parallel
MOS serial CTI

![Graph showing MOS serial CTI data](image)

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XMM-Newton

[Logos and emblems]
CCDs getting softer to radiation with time
MOS energy scale & resolution
The MOS energy under-correction (after rev350) is now interpreted by:

- CTI correction to low, that leave a spatial gradient in the image (10eV in rev~400 at Mn)
- plus gain drift (constant term) as pointed by Paul, also of the order of 10 eV at rev ~400 at Mn energies, to be corrected by a new set of MOS ADUCONV CCFs