MOS Bad Pixels

MOS1

MOS2
MOS Bad Pixels

MOS1, CCD2, RAWX == 431
MOS Background Maps
PN Noisy Pixels
PN Offset Maps
PN CTI (FF @ AL-Ka, Singles)
PN CTI (FF @ Mn-Ka, Singles)
"Empirical" method: derive LTCTI correction from polynomial fit to non-LTCTI corrected energies
PN Energy Reconstruction: “Empirical v. QBGC”

“Empirical” method: derive LTCTI correction from polynomial fit to non-LTCTI corrected energies

QBGC: (1) fit to measured CTI -> LTCTI correction
PN Energy Reconstruction: “Empirical v. QBGC”

“Empirical” method: derive LTCTI correction from polynomial fit to non-LTCTI corrected energies

QBGC: (1) fit to measured CTI -> LTCTI correction

QBGC (2): residuals are due to QB dependent gain component; correct using NDISLIN(t) as proxy for QB

RadMon rate at apogee
PN Energy Reconstruction (FF @ Al-Ka, Singles)

Using time-dependent quiescent background gain correction
PN Energy Reconstruction (FF @ Mn-Ka, Singles)

Using time-dependent quiescent background gain correction
PN Energy Reconstruction (FF @ Mn-Ka, Singles)

With quiescent background gain correction switched off
PN Energy Reconstruction (Singles, @ B/S)

Using time-dependent quiescent background gain correction
PN Energy Resolution (FF, Singles)

Al-Kα Line Sigma (ADU)

~0.05 ADU/year

Mn-Kα Line Sigma (ADU)

~0.15 ADU/year

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<th>EFF</th>
<th>LW</th>
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**Bold:** mode-specific calibration  
**Red:** calibration soon to be released