

XMM-Newton CCF Release Note

XMM-CCF-REL-157

Creating the possibility for independent SW and LW Mode additional CTI correction

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1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EPN_CTL0012	2000-01-01T00:00:00	CTI- HIGH_ADD_PAR	3.169	NO

2 Changes

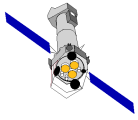
With the implementation of CAL 3.169 and EPN_CTL0012.CCF we have the possibility to decouple the LW and SW mode specific correction function (i.e. fast shift CTI correction), and it is fully backwards compatible.

2.1 CTI-HIGH_ADD_PAR

The column LWSW_PAR is split up in two independent columns SW_PAR and LW_PAR. The parameters are still the same. Might be changed in the future. The old table LWSW_PAR is still present for backwards compatibility.

3 Scientific Impact of this Update

No impact.



4 Estimated Scientific Quality

No impact.

5 Test procedures & results

A test was performed by MPE to check that the values are correctly accessed by the CAL.

For a SW mode observation the SW_PAR array is accessed correctly and used, for all other modes (incl. LW mode) the LW_PAR array is accessed correctly - but only used by LW mode.

Using the old EPN_CTL0011.CCF, for all modes the LWSW_PAR is accessed and used for SW and LW modes.

6 Expected Updates

Updates expected for SAS 6.0