

XMM-Newton CCF Release Note

XMM-CCF-REL-80

EPIC MOS and PN HK GTI Selection

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1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EPN_HKPARMINT_0004.CCF	1999-12-10	HKPARMINT		NO
EMOS1_HKPARMINT_0005.CCF	1999-12-10	HKPARMINT		NO
EMOS2_HKPARMINT_0005.CCF	1999-12-10	HKPARMINT		NO
EMOS1_HKPARMINT_0006.CCF	1999-12-10	HKPARMINT		NO
EMOS2_HKPARMINT_0006.CCF	1999-12-10	HKPARMINT		NO

2 Changes

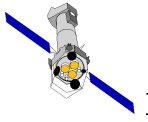
Modified the temperature limits on the MOS H/K files to catch a small number of OOL occasions. This is not critical scientifically as we do not yet have a temperature dependence of gain.

For MOS we introduce the syntax to have EITHER NODE1 or NODE 0 usable in HIGH Gain mode -but not low-gain this allows SSC to continue processing ODFs which might occasionally contain some low-gain engineering tests

For PN we introduce a check for the filterwheel to have stopped moving and to be located at one of the fixed scientifically meaningful filter positions

3 Scientific Impact of this Update

Needed to operate correctly the GTI selection functionality



4 Estimated Scientific Quality

Currently the determination of gain as a function of temperature is not well-known enough to flag bad data according to H/K selections.