

XMM-Newton CCF Release Note

XMM-CCF-REL-236

Truncated master offset maps for epreject

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1 CCF components

Name of CCF	VALDATE	List of Blocks changed
EPN_REJECT_0005	2000-01-01T00:00:00	MASTER_OFFSET_MAP

2 Changes

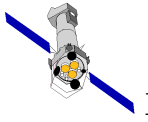
A problem has turned up in the version v5.9 of epreject, related to the introduction of master offset maps: some pixels of the master offset maps contain values which are so high that they may cause the corrected PHA values to leave the allowed range.

A new version of epreject (v5.10) has been put into the development track, which avoids this problem by restricting the maximum PHA correction. This version, however, will not be accessible to the general guest observer before the next SAS release.

Fortunately, there is also a faster solution possible: by truncating the master offset maps to values between +/- 7 adu, it can be ensured that the PHA values will stay within the allowed range, also when the currently released version of epreject is used.

3 Scientific Impact of this Update

none



4 Estimated Scientific Quality

No change.

5 Test procedures & results

epreject has been run on observation 0404840201 from revolution 1373. With the new CCF (EPN_REJECT_0005) epreject is not failing anymore.

6 Expected Updates

none