XMM-Newton CCF Release Note

XMM-CCF-REL-19

OM BAD PIXEL

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1 CCF components

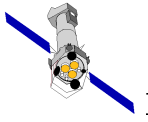| Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
OM_BADPIX_0003	2000-01-01T00:00:00	BADPIX		Yes

2 Changes

The CCF file *badpix* lists detector pixels which show a non-nominal behaviour. Currently the areas showing edge emission (based on CSL data) and the bad pixels (based on inflight flatfields) are included.

We expected the *om_badpix* file to be updated, once more fullframe flats (with correct LED setting) become available and are analysed.

The file describes the redundant OM detector chain.

3 Scientific Impact of this Update

Almost all bad pixels found in the previous analysis are in the new list. We have constructed a composite flatfiled from observations between Rev. 130 and 340. Since our data have a much higher S/N, some new bad pixels have been identified. This update will not affect too much the scientific output.

4   Estimated Scientific Quality

The sensitivity values associated with the badpixel are suitable for a rough quality flag but probably not yet good enough for accurate correction. The safe approach is to exclude the listed bad pixels from the analysis.

5   Acknowledgements

Thanks to OM team members, especially Bob Shirey (UCSB).