XMM-Newton CCF Release Note

XMM-CCF-REL-98

EPIC MOS Bad Pixels

B. Altieri

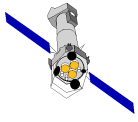December 7, 2001

1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EMOS1_BADPIX_0013	2001-09-18T00:00:00	BADPIX		YES
EMOS2_BADPIX_0013	2001-09-18T00:00:00	BADPIX		YES
EMOS1_BADPIX_0014	2001-11-27T18:00:00	BADPIX		YES
EMOS2_BADPIX_0013	2001-11-27T18:00:00	BADPIX		YES

2 Changes

Version 13 of the MOS bad pixels CCFs intends mostly to mask in the SAS (i.e. on-ground only) the defects (high-pHA hot pixels) created by the impact of the micro-meteorite in rev 325 on MOS1 CCD6 and 7. It also incorporates some hot pixels that have developed with the last solar flares.

Version 14, is a replication of the update of the on-board table of bright pixels, uploaded at the start of rev 361. Therefore the only difference with version 13 is that some pixels that were masked on-ground ("H" in CCF) are now masked on-board ("h" in CCF)

3   Scientific Impact of this Update

4   Estimated Scientific Quality

5   Expected Updates

Whenever there is a new release of badpixels for on-board the CCF file will be updated. Not-uplinked bad pixels which are found to be stable should be added in the future.