

XMM-Newton CCF Release Note

XMM-CCF-REL-61

EPIC Bad Pixels

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February 6, 2001

1 Changes

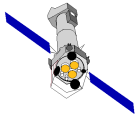
2 Scientific Impact of this Update

Necessary to track changes in bad pixel settings. There was a database update in June, to cover the new list of bad pixel locations found during the CAL/PV phase of operations, and thus to be uplinked at the start of each observation. However this was not reflected in the the procedures for the start of unscheduled exposures, for example due to commanding losses, timeline interruptions etc.. In such cases the old bad pixel tables were used. The listings of such exposures have been collated and the different CCF versions propogated to account for an appropriate validity date.

Note that from the database update that occurred at Rev 171-192, the CAL CLOSED exposures actually have an offset of 50 applied to CCD11 Column64 which is not consistent with the CCF. This is left in as we have no tracking mechanism at this level of detail, and science analysis of CLOSED CAL data will not be materially affected.

3 Estimated Scientific Quality

Note that in all the EPIC cameras there are intermittent bad pixels that may arise in only one exposure. The user is recommended to run the bad pixel finding algorithm, and remove after processing.



4 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EPN_BADPIX_0021	2000-06-11T03:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0022	2000-06-29T02:49:00	BADPIX		YES (post facto)
EPN_BADPIX_0023	2000-07-03T12:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0024	2000-07-03T22:16:00	BADPIX		YES (post facto)
EPN_BADPIX_0025	2000-07-05T15:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0026	2000-07-05T22:30:00	BADPIX		YES (post facto)
EPN_BADPIX_0027	2000-07-07T15:54:00	BADPIX		YES (post facto)
EPN_BADPIX_0028	2000-07-08T11:50:00	BADPIX		YES (post facto)
EPN_BADPIX_0029	2000-07-10T03:16:00	BADPIX		YES (post facto)
EPN_BADPIX_0030	2000-07-10T17:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0031	2000-07-13T21:37:00	BADPIX		YES (post facto)
EPN_BADPIX_0032	2000-07-26T04:48:00	BADPIX		YES (post facto)
EPN_BADPIX_0033	2000-07-28T04:32:00	BADPIX		YES (post facto)
EPN_BADPIX_0034	2000-07-29T00:59:00	BADPIX		YES (post facto)
EPN_BADPIX_0035	2000-08-02T00:22:00	BADPIX		YES (post facto)
EPN_BADPIX_0036	2000-08-02T20:19:00	BADPIX		YES (post facto)
EPN_BADPIX_0037	2000-08-04T11:42:00	BADPIX		YES (post facto)
EPN_BADPIX_0038	2000-08-04T20:11:00	BADPIX		YES (post facto)
EPN_BADPIX_0039	2000-08-07T00:58:00	BADPIX		YES (post facto)
EPN_BADPIX_0040	2000-08-10T10:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0041	2000-10-21T00:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0042	2000-10-25T15:47:00	BADPIX		YES (post facto)
EPN_BADPIX_0043	2000-10-31T23:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0044	2000-11-03T21:38:00	BADPIX		YES (post facto)
EPN_BADPIX_0045	2000-11-05T16:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0046	2000-11-05T21:31:00	BADPIX		YES (post facto)
EPN_BADPIX_0047	2000-11-07T16:00:00	BADPIX		YES (post facto)
EPN_BADPIX_0048	2000-11-07T21:22:00	BADPIX		YES (post facto)
EPN_BADPIX_0049	2000-12-25T13:00:00	BADPIX		YES (post facto)