

# XMM-Newton CCF Release Note

XMM-CCF-REL-276

## EPIC PN Bad Pixels

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### 1 CCF Components

Name of CCF	VALDATE	EVALDATE	Blocks Changed	CAL Version	XSCS Flag
EPN_BADPIX_0142.CCF	2011-08-17T18:41:06		BADPIX		NO
EPN_BADPIX_0143.CCF	2011-09-02T17:40:12		BADPIX		NO

### 2 Changes

Two recently developed bad pixels in CCD 5 were included in the on-board bad pixel table (BPT): pixels (13,26) and (13,25) were masked from revolutions 2141 and 2149 onwards, respectively. The changes in the BPT are reflected in these CCFs.

### 3 Scientific Impact of this Update

The CCFs correctly reflect the on-board BPT.

### 4 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.

## 5 Test Procedures and Summary of the Test Results

Correct bad pixel contents confirmed with `calview`. Correct functionality and validity dates tested with `epproc` (SAS 11.0).