

XMM-Newton CCF Release Note

XMM-CCF-REL-180

EPIC PN masked mode parameters

R. D. Saxton

15 October 2004

1 CCF components

Name of CCF	VALDATE	EVALDATE	Blocks changed	XSCS flag
XMM_MISCDATA_0021.CCF	2000-01-01		MISCDATA	NO

2 Changes

The extent of the visible window in PN masked mode observations has been added to the MISCDATA CCF as five new keywords.

MASKX0=30 - Lower left hand corner of the mask in Raw-X coords
MASKY0=183 - Lower left hand corner of the mask in Raw-Y coords
MASKDX=13 - Width of the mask in RAW-X pixels
MASKDY=13 - Width of the mask in RAW-Y pixels
MASKCCD=4 - The CCD which hosts the mask

The left hand corner position is based upon CCD coordinates which run from 1 to 64 in RAW-X and 1 to 200 in RAW-Y.

3 Scientific Impact of this Update

These keywords are read by the SAS pipeline and are necessary to reduce Epic-pn masked mode data.

4 Estimated Scientific Quality

5 Test procedures and results

The new CCF file has been tested with epproc and has been found to be compatible with the SAS.