

XMM-Newton CCF Release Note

XMM-CCF-REL-79

Encircled Energy Function of the X-ray telescopes

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1 CCF components

Name of CCF	VALDATE	Blocks changed	CAL VERSION	XSCS flag
XRT1_XENCIREN_0002	2000-01-01T00:00:00	XENCIREN	SAS 5.1	NO
XRT2_XENCIREN_0002	2000-01-01T00:00:00	XENCIREN	SAS 5.1	NO
XRT3_XENCIREN_0002	2000-01-01T00:00:00	XENCIREN	SAS 5.1	NO

2 Changes

The extrapolation coefficient in XRT2_XENCIREN_0002 has been corrected for an error present in the previous version XRT2_XENCIREN_0001. There is no change in XRT1_XENCIREN_0002 and XRT3_XENCIREN_0002 with respect to the previous version 1.

3 Scientific Impact of this Update

The encircled energy function derived from the encircled energy calibration files including XRT2_XENCIREN_0002 can be used by the SAS to correct the EPIC response matrices from scattering losses of photons out of circular windows selected by the users to extract the EPIC spectra of x-ray sources.

4 Estimated Scientific Quality

See CCF Release Note XMM-CCF-REL-69.