

XMM-Newton CCF Release Note

XMM-CCF-REL-59

OM PSF

R. Much

January 31, 2001

1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
OM_PSF1DRB_0004	2000-01-01T00:00:00	PSF-U PSF-B PSF-V PSF-UVW1 PSF-UVM2 PSF-UVW2 PSF-WHITE PSF-MAGNI		No No No No No No No No

2 Changes

The keyword `APERTURE` is added to each extension. The keyword contains the aperture radius used in the photometric calibration analysis. The change makes the PSF1DRB file compatible to the CAL/SAS changes which are required to improve on the OM photometry.

Note that this changes only affects the structure and the actual values in the PSF files are not yet changed. The correct PSF values will be filled in, once they are available (expected March 2001).

3 Scientific Impact of this Update

None



4 Estimated Scientific Quality

as in previous version:

While the current approximation is sufficiently good at low count rates (approximately less than 10 cts/sec), the PSF description becomes more and more inaccurate with increasing count rate.