XMM-Newton CCF Release Note

XMM-CCF-REL-0103

EPIC MOS Spectral Response Distribution

D Lumb

January 8, 2002

1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EMOS1_QUANTUMEF_0009.CCF	2000-01-01	QE_CCDn		NO
EMOS2_QUANTUMEF_0009.CCF	2000-01-01	QE_CCDn		NO

2 Changes

In previous versions, the CCD efficiency was defined within a region described by a POLYGON function. The *selectlib* functionality can cause some inconsistency at the borders of such a region. Therefore we changed the description to a BOX region, which is completely defined at its borders, and additionally offers faster implementation.

3 Scientific Impact of this Update

Makes the caclulation of quantum efficiency more robust at CCD edges.

4   Estimated Scientific Quality

5   Expected Updates

When we can characterise the change in CCD QE as a function of location there may need to be multiple regions for each chip. We note that this may cause a re-think on what region definition to employ.