

# XMM-Newton CCF Release Note

XMM-CCF-REL-35

## EPIC PN Spectral Response Distribution

D Lumb

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### 1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EPN_QUANTUMEF_0008	2000-01-01T00:00:00	QE_CCDn	-	NO

### 2 Changes

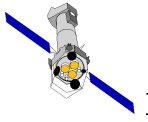
The interpolation routines were not able to function properly with the previous version. Added anchor points at low- and high-energy points to improve this.

### 3 Scientific Impact of this Update

Necessary to make the response generation for PN functionally correct. We still need to test if this version gives acceptable results

### 4 Estimated Scientific Quality

See previous release notes on this topic



## 5 Expected Updates

The mode dependencies of the EPIC cameras is uncertain yet with respect to the spectral response. While it is hoped that the gain dependencies cover all aspects of mode changes, it is possible that at least in timing mode, the 1-d clocking scheme causes events to be merged, and so the response distributions may ALSO be different