

# XMM-Newton CCF Release Note

XMM-CCF-REL-107

## RGS GTI Selection

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February 5, 2002

### 1 CCF components

Name of CCF	VALDATE	EVALDATE	List of Blocks changed	XSCS flag
RGS2_HKPARMINT_0010	2000-11-19T13:00:00	2001-02-17T10:00:00	HKPARMINT	NO

### 2 Changes

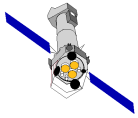
The performance of the CCD2 of the RGS2 instrument was not satisfactory after almost all serial clock voltages were changed at once in November 2000 (as decided after the failure of CCD7 on RGS1). This led to several changes by that clock voltage in a period of time between November 2000 and February 2001. In order to restrict the number of calibration files related to this it was decided just to ignore this parameter in the HKPARMINT file for that period in time.

### 3 Scientific Impact of this Update

The GTIs based on HK for data taken between 2000-11-18 and 2001-02-17 will not take into account the serial clock voltage of RGS2-CCD2.

### 4 Estimated Scientific Quality

Not applicable.



## 5 Test procedures

General checks:

- use FV (or a different FITS viewer) for files inspection. It should contain 3 binary extensions, check that the applied changes are correct in the corresponding header extension.

Check improvements:

Derive GTIs for data taken at different times using the SAS task HKGTIGEN. Check the GTIs produced.

## 6 Test results

Following tests were performed:

- HKGTIGEN ran on RGS2 data taken in rev 185 adding RGS2\_HKPARMINT\_0010.CCF file to the current ccf.cif. CCD2 clock voltage ignored as expected. GTIs produced are OK.
- CIFBUILD performed on data corresponding to rev 362 with a ccf directory containing both RGS2\_HKPARMINT\_0008.CCF and RGS2\_HKPARMINT\_0010.CCF takes the first one on the ccf index file, as it should be, according to the "End of Validity" keyword of the latter.

## 7 Expected updates

Not foreseen.