

# XMM-Newton CCF Release Note

XMM-CCF-REL-106

## RGS GTI Selection

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### 1 CCF components

Name of CCF	VALDATE	EVALDATE	List of Blocks changed	CAL VERSION	XSCS flag
RGS1_HKPARMINT_0011	2000-11-19T13:00:00	NO	HKPARMINT	—	NO
RGS2_HKPARMINT_0009	2000-11-19T13:00:00	NO	HKPARMINT	—	NO

### 2 Changes

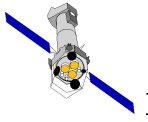
Almost all serial clock voltages were changed after the failure of CCD 7 on RGS1 to prevent for further problems.

### 3 Scientific Impact of this Update

With this files it is possible to derive valid GTIs based on HK for data taken after 2000-11-18.

### 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

Both files have been inspected using FV. Checks OK.

Using the previous version and data from a latter revolution (362) the GTI derived with HKGTIGEN was empty. Same data has given both for RGS1 and RGS2 valid GTI files as result. In addition it was checked that CIFBUILD on data from a former revolution (rev 70) uses the former valid CCFs RGS1\_HKPARMINT\_0006.CCF and RGS2\_HKPARMINT\_0007.CCF, respectively.

## 7 Expected updates

The RGS2 CCD2 serial clock voltage has been changed several times in the period between revolutions 174 and 219. A further HKPARMINT file has to be soon released, coping with this, for the corresponding validity period.