XMM-Newton CCF Release Note

XMM-CCF-REL-111

RGS GTI Selection

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1 CCF components

Name of CCF	VALDATE	EVALDATE	List of Blocks changed	XSCS flag
RGS1_HKPARMINT_0009	1999-01-01T00:00:00	—	HKPARMINT	NO
RGS1_HKPARMINT_0010	2000-09-04T09:02:00	—	HKPARMINT	NO
RGS2_HKPARMINT_0008	1999-01-01T00:00:00	—	HKPARMINT	NO

2 Changes

The HK parameter names of the RGA temperature sensors were wrong in the former versions and had to be changed. Two RGS1 files are necessary because of the changes imposed by the CCD7 failure in September 2000. In addition should replace RGS1_HKPARMINT_0006, which contains wrong formatted ranges.

3 Scientific Impact of this Update

It will be possible to derive valid GTIs using HKGTIGEN for RGS1 data taken previously to September 2000. The temperature sensors checks will be valid.

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 RGS1 and RGS2 data taken in rev 72 adding all new files to the current ccf.cif. GTIs produced are OK.
- CIFBUILD performed on data corresponding to different revolutions, correct constituents taken.

7 Expected updates

Not foreseen.