

# XMM-Newton CCF Release Note

XMM-CCF-REL-15

## RGS Mode Parameters and Clock Sequence Parameters

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September 8, 2000

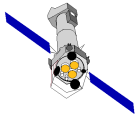
### 1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
RGS1_MODEPARAM_0005	2000-03-08T06:00:00	MODEPARAM	—	NO
RGS2_MODEPARAM_0005	2000-03-08T06:00:00	MODEPARAM	—	NO
RGS1_MODEPARAM_0004	1999-01-01T00:00:00	MODEPARAM	—	NO
RGS2_MODEPARAM_0004	1999-01-01T00:00:00	MODEPARAM	—	NO
RGS1_CLOCKPATTERNS_0001		ClockPatterns	—	NO
RGS2_CLOCKPATTERNS_0001		ClockPatterns	—	NO

### 2 Changes

The CCF's summarizes the key parameters and times used during execution of the clock sequences. RGS\_CLOCKPATTERNS is not used by the SAS, the CCF is only used as a mechanism to store and distribute information about the operating parameters of the instrument.

The SAS uses the version number of the DPP code that is stored in RGS\_MODEPARAM. The version of the DPP was changed early during the calibration phase. The SAS uses the mechanism of time validity of CCF's (allows for tracking of changes of on-board software) to identify the DPP mode that is being used. For this reason, both, RGS\_MODEPARAM\_0005 & RGS\_MODEPARAM\_0004 have to be used.



### 3 Scientific Impact of this Update

First release.

### 4 Estimated Scientific Quality

Only the identification of the version of the on-board event processor (DPP) code is used in the SAS. It is used to identify which mapping of event shape numbers is to be used in the event reconstruction code (`rgsevents`).