

XMM-Newton CCF Release Note

XMM-CCF-REL-38

EPIC ASTROMETRY

D Lumb

November 7, 2000

1 CCF components

Name of CCF	VALDATE	List of Blocks changed	CAL VERSION	XSCS flag
EMOS1_LINCOORD_0013	2000-01-01T00:00:00	FOV		NO
EMOS2_LINCOORD_0013	2000-01-01T00:00:00	FOV		NO
EPN_LINCOORD_0009	2000-01-01T00:00:00	FOV		NO

2 Changes

The FOV extensions containing details of the field of view of the cameras has been modified.

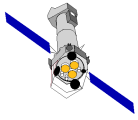
Using data from observations like COMA, data were accumulated in detector co-ordinates, and the shadow of the filter wheel rim determined.

3 Scientific Impact of this Update

Better definition of the portion of field of view which is inside the field of view (-used for exposure map generation for example).

4 Estimated Scientific Quality

Due to the cone angle of in-coming rays from the telescope, the filterwheel rim is neither sharp nor independent of energy. The wheel stands ~ 100 mm above the focal plane, so the outer boundary is



imprecise to the pixel level.

There may be slight differences from filter-to-filter or even observation to observation due to the precise definition of stepper motor stops with respect to reference points.

5 Expected Updates

6 Acknowledgements