

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20111 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 18 2017

See [axaff20111N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.077170133591

## Comments

A spatial region of the original bias map for CCD = 0 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 0 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by sky coords:

(266.87282,-29.16146), (266.87890,-29.16117), (266.87001,-29.02193),  
(266.86394,-29.02221).

seq_num	901346	Sequence number
obs_id	20111	Observation id
title	A Magnetic X-ray Filament near the Galactic Center: Seeking the Energy Source	Proposal title
observer	Mark Morris	Principal investigator
object	XMM J0.173-0.413	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.911125	Observer's specified target RA [deg]
dec_targ	-29.00275	Observer's specified target Dec [deg]
ra_nom	266.89812502331	Nominal RA [deg]
dec_nom	-29.018074339407	Nominal Dec [deg]
roll_nom	273.20240965884	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15077.170133591	Sum of GTIs [s]
livetime	14880.175806144	Livetime [s]
ontime0	15077.04701364	Sum of GTIs [s]
ontime1	15077.088053584	Sum of GTIs [s]
ontime2	15077.129093647	Sum of GTIs [s]
ontime3	15077.170133591	Sum of GTIs [s]
l2events	61005	Number of level 2 events

