

# V&V Summary Report

## L2 ASCDS Version : 10.5

Observation 18077 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 9 2016

See axaff18077N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9488001482487

## Comments

Two spatial regions of the original bias map for CCD = 2 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 (~20 eV), it depends on many parameters that have not yet been fully explored for this anomaly. The bias map for CCD = 2 has been reconstructed for this processing to remove the anomaly using scaled data from a comparable bias map from another observation.

The pixels in the first area affected by the anomaly are bounded by sky coords:

(51.65185,-60.53924), (51.63760,-60.54097), (51.70535,-60.67641), (51.71966,-60.67467.)

The other affected region is bounded by sky coords:

(51.47663,-60.56048), (51.47070,-60.56119), (51.51453,-60.64983), (51.52047,-60.64911).

seq_num	901191	Sequence number
obs_id	18077	Observation id
title	Compton-Thick AGN: The Hunt is on	Proposal title
observer	Marco Ajello	Principal investigator
object	ESO 116-18	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	51.22125	Observer's specified target RA [deg]
dec_targ	-60.738444	Observer's specified target Dec [deg]
ra_nom	51.216053610371	Nominal RA [deg]
dec_nom	-60.738691278928	Nominal Dec [deg]
roll_nom	103.40470366996	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9948.8001482487	Sum of GTIs [s]
livetime	9822.8224503233	Livetime [s]
ontime2	9945.5591877699	Sum of GTIs [s]
ontime3	9945.559147954	Sum of GTIs [s]
ontime5	9948.8001482487	Sum of GTIs [s]
ontime6	9948.8001482487	Sum of GTIs [s]
ontime7	9948.8001482487	Sum of GTIs [s]
ontime8	9948.8001482487	Sum of GTIs [s]
l2events	109619	Number of level 2 events

