

# V&V Summary Report

## L2 ASCDS Version : 10.3.3

Observation 16977 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 24 2015

See axaff16977N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8630476675034

## Comments

A spatial region of the original bias map for CCD = 8 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 bias anomaly. The bias map for CCD = 8 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:  
(17.34142, -69.79847), (17.36354, -69.78993), (17.06357, -69.69662),  
(17.04142, -69.70512).

seq_num	601170	Sequence number
obs_id	16977	Observation id
title	Super-massive black holes and nuclear star clusters in late type galaxies	Proposal title
observer	Elena Gallo	Principal investigator
object	NGC406	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.854583	Observer's specified target RA [deg]
dec_targ	-69.879222	Observer's specified target Dec [deg]
ra_nom	16.853691882869	Nominal RA [deg]
dec_nom	-69.884651808014	Nominal Dec [deg]
roll_nom	227.6924502603	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4863.0476675034	Sum of GTIs [s]
livetime	4799.5083696038	Livetime [s]
ontime2	4862.8835074902	Sum of GTIs [s]
ontime3	4859.8245472908	Sum of GTIs [s]
ontime6	4863.0066275597	Sum of GTIs [s]
ontime7	4863.0476675034	Sum of GTIs [s]
ontime8	4862.9245475531	Sum of GTIs [s]
l2events	23921	Number of level 2 events

