

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 60419 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Apr 1 2013

See [axaff60419N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8047999709249

## 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 chip coords:

(584,1), (612,1), (612,131), (584,103)

seq_num	&#160	Sequence number
obs_id	60419	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	120.95409170637	Nominal RA [deg]
dec_nom	51.498449833487	Nominal Dec [deg]
roll_nom	150.24057572983	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7804.7999709249	Sum of GTIs [s]
livetime	7705.9708942067	Livetime [s]
ontime0	5412.9542424083	Sum of GTIs [s]
ontime1	5541.7572083771	Sum of GTIs [s]
ontime2	5192.5670449734	Sum of GTIs [s]
ontime3	5457.3685208559	Sum of GTIs [s]
ontime6	5752.5037922561	Sum of GTIs [s]
ontime7	7804.7999709249	Sum of GTIs [s]
l2events	1149291	Number of level 2 events