

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 54735 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Apr 1 2012

See [axaff54735N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1461941532493

## Comments

The bias maps for CCD\_ID = 1 and 3 suffer from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the 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. These bias maps will not be repaired because the high FP temp of this observation leaves few choices of compatible bias files from other obsids.

For both CCD\_ID = 1 and 3, the elevation in adu values is 1-3 adu.

seq_num	&#160	Sequence number
obs_id	54735	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	170.21641700769	Nominal RA [deg]
dec_nom	-25.100055545342	Nominal Dec [deg]
roll_nom	312.70343258835	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8146.1941532493	Sum of GTIs [s]
livetime	8043.0421378316	Livetime [s]
ontime0	8045.6808732748	Sum of GTIs [s]
ontime1	8048.8808732629	Sum of GTIs [s]
ontime2	8045.5987932682	Sum of GTIs [s]
ontime3	8049.0039932728	Sum of GTIs [s]
ontime6	8052.0398332477	Sum of GTIs [s]
ontime7	8146.1941532493	Sum of GTIs [s]
l2events	248734	Number of level 2 events