

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 57022 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

See axaff57022N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4468449630737

## Comments

A spatial region of the original bias map for CCD = 1 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 = 1 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:

(274,1), (302,1), (302,278), (274,306)

seq_num	&#160	Sequence number
obs_id	57022	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	131.49353145432	Nominal RA [deg]
dec_nom	-21.028010678098	Nominal Dec [deg]
roll_nom	224.99471458406	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8446.8449630737	Sum of GTIs [s]
livetime	8339.8859260719	Livetime [s]
ontime0	8446.8039230704	Sum of GTIs [s]
ontime1	8446.7628830671	Sum of GTIs [s]
ontime2	8446.7218430638	Sum of GTIs [s]
ontime3	8446.886003077	Sum of GTIs [s]
ontime6	8446.6808030605	Sum of GTIs [s]
ontime7	8446.8449630737	Sum of GTIs [s]
l2events	485607	Number of level 2 events