

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 56997 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 11 2012

See axaff56997N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3733294183612

## Comments

Spatial regions of the original bias maps for CCD = 1 and 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 bias anomaly. The bias maps for CCD = 1 and 2 have 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 coordinates:

CCD 1: (88,1), (107,1), (107,60), (88,99)

CCD 2: (530,1), (554,1), (554,401), (530,449)

seq_num	&#160	Sequence number
obs_id	56997	Observation id
title	ACIS-012357 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	266.79191517454	Nominal RA [deg]
dec_nom	-2.5303060226154	Nominal Dec [deg]
roll_nom	211.84087005719	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8373.3294183612	Sum of GTIs [s]
livetime	8267.3012794522	Livetime [s]
ontime0	8373.2883783579	Sum of GTIs [s]
ontime1	8373.2473383546	Sum of GTIs [s]
ontime2	8373.2062983513	Sum of GTIs [s]
ontime3	8373.3704583645	Sum of GTIs [s]
ontime5	8373.165258348	Sum of GTIs [s]
ontime7	8373.3294183612	Sum of GTIs [s]
l2events	510052	Number of level 2 events