

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 53768 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 22 2013

See axaff53768N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2271551341414

## Comments

A spatial region of the original bias map for CCD = 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 map for CCD = 2 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:

(121,1), (187,1), (187,1024), (121,1024)

seq_num	&#160	Sequence number
obs_id	53768	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	193.50108206008	Nominal RA [deg]
dec_nom	4.6787110075939	Nominal Dec [deg]
roll_nom	215.86903470699	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8227.1551341414	Sum of GTIs [s]
livetime	8122.9779420349	Livetime [s]
ontime0	8227.1140941381	Sum of GTIs [s]
ontime1	8227.0730541348	Sum of GTIs [s]
ontime2	8227.0320141315	Sum of GTIs [s]
ontime3	8227.1961741447	Sum of GTIs [s]
ontime5	8226.9909741282	Sum of GTIs [s]
ontime7	8227.1551341414	Sum of GTIs [s]
l2events	240437	Number of level 2 events