

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 60447 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Apr 23 2013

See [axaff60447N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4639999684691

## Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:  
(846,1), (873,1), (873,1024), (846,1024)

seq_num	&#160	Sequence number
obs_id	60447	Observation id
title	ACIS-456789 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	130.93737584888	Nominal RA [deg]
dec_nom	65.01088348087	Nominal Dec [deg]
roll_nom	124.82683110365	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8463.9999684691	Sum of GTIs [s]
livetime	8356.8237044595	Livetime [s]
ontime4	4879.9115436971	Sum of GTIs [s]
ontime5	8463.9999684691	Sum of GTIs [s]
ontime6	5288.2344535291	Sum of GTIs [s]
ontime7	8463.9999684691	Sum of GTIs [s]
ontime8	5482.2997528017	Sum of GTIs [s]
ontime9	5067.4528274238	Sum of GTIs [s]
l2events	1227568	Number of level 2 events