

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 60990 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Mar 8 2013

See [axaff60990N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7970759630501

## 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:  
(896,1), (953,1), (953,24), (896,147)

seq_num	&#160	Sequence number
obs_id	60990	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	123.88643899894	Nominal RA [deg]
dec_nom	46.327052776024	Nominal Dec [deg]
roll_nom	76.252886049667	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7797.0759630501	Sum of GTIs [s]
livetime	7698.3446923705	Livetime [s]
ontime0	3817.9340087473	Sum of GTIs [s]
ontime1	3895.7169064879	Sum of GTIs [s]
ontime2	3599.8924570382	Sum of GTIs [s]
ontime3	3681.0836130679	Sum of GTIs [s]
ontime6	3956.3628664613	Sum of GTIs [s]
ontime7	7797.0759630501	Sum of GTIs [s]
l2events	1209201	Number of level 2 events