

V&V Summary Report

L2 ASCDS Version : 8.5

Observation 54166 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 7 2012

See [axaff54166N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.109388236165

Comments

A spatial region of the original bias map for CCD = 0 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 = 0 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 the chip coords:
(898,481), (924,481), (924,847), (898,837)

seq_num	 	Sequence number
obs_id	54166	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
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	34.500806914024	Nominal RA [deg]
dec_nom	4.7863572619347	Nominal Dec [deg]
roll_nom	313.65821998077	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5109.388236165	Sum of GTIs [s]
livetime	5044.6900858145	Livetime [s]
ontime0	5109.3471961617	Sum of GTIs [s]
ontime1	5109.3061561584	Sum of GTIs [s]
ontime2	5109.2651161551	Sum of GTIs [s]
ontime3	5109.4292761683	Sum of GTIs [s]
ontime5	5109.2240761518	Sum of GTIs [s]
ontime7	5109.388236165	Sum of GTIs [s]
l2events	161474	Number of level 2 events