

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 54474 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 25 2012

See [axaff54474N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4548193855882

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:
(711,555), (768,555), (768,681), (711,738)

seq_num	 	Sequence number
obs_id	54474	Observation id
title	ACIS-012367 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	266.02242480403	Nominal RA [deg]
dec_nom	-30.021140235543	Nominal Dec [deg]
roll_nom	279.84450509003	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7454.8193855882	Sum of GTIs [s]
livetime	7360.4219737745	Livetime [s]
ontime0	7454.7783455849	Sum of GTIs [s]
ontime1	7454.7373055816	Sum of GTIs [s]
ontime2	7454.6962655783	Sum of GTIs [s]
ontime3	7454.8604255915	Sum of GTIs [s]
ontime6	7454.655225575	Sum of GTIs [s]
ontime7	7454.8193855882	Sum of GTIs [s]
l2events	226389	Number of level 2 events