

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 54743 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 12 2012

See [axaff54743N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1631999696493

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 the chip coords:
(303,1), (327,1), (327,225), (303,225)

seq_num	 	Sequence number
obs_id	54743	Observation id
title	ACIS-456789 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	169.81856236125	Nominal RA [deg]
dec_nom	-24.898779766448	Nominal Dec [deg]
roll_nom	317.01102626104	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8163.1999696493	Sum of GTIs [s]
livetime	8059.8326163447	Livetime [s]
ontime4	8059.4881656766	Sum of GTIs [s]
ontime5	8163.1999696493	Sum of GTIs [s]
ontime6	8056.2471256852	Sum of GTIs [s]
ontime7	8163.1999696493	Sum of GTIs [s]
ontime8	8056.24713552	Sum of GTIs [s]
ontime9	8053.0060856938	Sum of GTIs [s]
l2events	275689	Number of level 2 events