

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 54530 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

See [axaff54530N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2842493780255

Comments

Spatial regions of the original bias maps for CCDs 1 and 3 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 maps for CCDs 1 and 3 have 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:

CCD_ID = 1: (461,653), (560,653), (560,907), (461,883)

CCD_ID = 3: (769,503), (808,503), (808,707), (769,707)

seq_num	 	Sequence number
obs_id	54530	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	289.01935052685	Nominal RA [deg]
dec_nom	-48.97421965973	Nominal Dec [deg]
roll_nom	30.949047123674	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.2493780255	Sum of GTIs [s]
livetime	8179.3492242249	Livetime [s]
ontime0	8284.2083380222	Sum of GTIs [s]
ontime1	8284.1672980189	Sum of GTIs [s]
ontime2	8284.1262580156	Sum of GTIs [s]
ontime3	8284.2904180288	Sum of GTIs [s]
ontime5	8284.0852180123	Sum of GTIs [s]
ontime7	8284.2493780255	Sum of GTIs [s]
l2events	283284	Number of level 2 events