

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 53109 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 7 2014

See axaff53109N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

Comments

Spatial regions of the original bias maps for CCD = 0 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 CCD = 0 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 0: (884,1), (904,1), (904,434), (884,364)

CCD 3: (821,1), (843,1), (843,484), (821,410)

seq_num	 	Sequence number
obs_id	53109	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	131.9682665769	Nominal RA [deg]
dec_nom	35.013799303013	Nominal Dec [deg]
roll_nom	113.24742925415	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	7575.0039314628	Sum of GTIs [s]
ontime1	7623.6202270389	Sum of GTIs [s]
ontime2	7647.665468514	Sum of GTIs [s]
ontime3	7694.9240854979	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	265007	Number of level 2 events