

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 54040 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 15 2013

See axaff54040N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2559999767542

Comments

Spatial regions of the original bias maps for CCD = 1 and 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 maps for CCDs 1 and 6 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 1: (296,1), (324,1), (324,416), (296,398)

CCD 6: (357,1), (395,1), (395,281), (357,281)

seq_num	 	Sequence number
obs_id	54040	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	107.0632851292	Nominal RA [deg]
dec_nom	9.7590178588849	Nominal Dec [deg]
roll_nom	141.74296011739	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6255.9999767542	Sum of GTIs [s]
livetime	6176.7827381376	Livetime [s]
ontime0	6255.9999767542	Sum of GTIs [s]
ontime1	6255.9999767542	Sum of GTIs [s]
ontime2	6255.9999767542	Sum of GTIs [s]
ontime3	6255.9999767542	Sum of GTIs [s]
ontime6	6255.9999767542	Sum of GTIs [s]
ontime7	6255.9999767542	Sum of GTIs [s]
l2events	172390	Number of level 2 events