

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 57349 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 30 2012

See [axaff57349N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

Comments

Spatial regions of the original bias maps for CCD = 1, 2, 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 = 1, 2, 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 1: (7,377), (60,377), (60,943), (7,996)

CCD 2: (170,381), (213,381), (213,1024), (170,1024)

CCD 3: (895,1), (921,1), (921,1024), (895,1024)

seq_num	 	Sequence number
obs_id	57349	Observation id
title	ACIS-012367 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	119.03099828899	Nominal RA [deg]
dec_nom	-3.9962755330081	Nominal Dec [deg]
roll_nom	338.1599058636	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8268.7590283155	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8268.7589689493	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	528581	Number of level 2 events