

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 56103 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 2 2012

See [axaff56103N003_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	8.2783999692202

Comments

A spatial region of the original bias map for CCD = 8 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 = 8 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 chip coords:

(92,1), (144,1), (144,100), (92,50)

seq_num	 	Sequence number
obs_id	56103	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	82.971796091338	Nominal RA [deg]
dec_nom	-15.990513963929	Nominal Dec [deg]
roll_nom	127.9005074154	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.372615099	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3315750957	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	418566	Number of level 2 events