

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 54281 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Oct 30 2012

See [axaff54281N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7999999821782

Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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:

(970,1), (1002,1), (1002,311), (970,332)

seq_num	 	Sequence number
obs_id	54281	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	37.499870622898	Nominal RA [deg]
dec_nom	-6.8545983428479	Nominal Dec [deg]
roll_nom	63.786510174155	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4799.9999821782	Sum of GTIs [s]
livetime	4739.2194921909	Livetime [s]
ontime0	4799.9999821782	Sum of GTIs [s]
ontime1	4799.9999821782	Sum of GTIs [s]
ontime2	4799.9999821782	Sum of GTIs [s]
ontime3	4799.9999821782	Sum of GTIs [s]
ontime6	4799.9999821782	Sum of GTIs [s]
ontime7	4799.9999821782	Sum of GTIs [s]
l2events	218122	Number of level 2 events