

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 54580 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

See [axaff54580N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2548614904284

Comments

A spatial region of the original bias map for CCD = 1 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 = 1 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:
(259,656), (433,656), (433,874), (259,816)

seq_num	 	Sequence number
obs_id	54580	Observation id
title	ACIS-012357 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	247.47630604927	Nominal RA [deg]
dec_nom	7.4829569303069	Nominal Dec [deg]
roll_nom	182.81973603118	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8254.8614904284	Sum of GTIs [s]
livetime	8150.3334637558	Livetime [s]
ontime0	8254.8614805341	Sum of GTIs [s]
ontime1	8254.8614805341	Sum of GTIs [s]
ontime2	8254.8614805341	Sum of GTIs [s]
ontime3	8254.8614904284	Sum of GTIs [s]
ontime5	8254.8224740624	Sum of GTIs [s]
ontime7	8254.8614904284	Sum of GTIs [s]
l2events	279058	Number of level 2 events