

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 54590 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 30 2012

See axaff54590N002-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	8.2870495319963

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:

(417,1), (488,1), (488,156), (417,191)

seq_num	 	Sequence number
obs_id	54590	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	240.03628896533	Nominal RA [deg]
dec_nom	-46.985500454429	Nominal Dec [deg]
roll_nom	357.50508848076	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8287.0495319963	Sum of GTIs [s]
livetime	8182.11392096	Livetime [s]
ontime0	8287.008491993	Sum of GTIs [s]
ontime1	8286.9674519897	Sum of GTIs [s]
ontime2	8286.9264119864	Sum of GTIs [s]
ontime3	8287.0905719995	Sum of GTIs [s]
ontime6	8286.8853719831	Sum of GTIs [s]
ontime7	8287.0495319963	Sum of GTIs [s]
l2events	258924	Number of level 2 events