

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 54982 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 28 2012

See axaff54982N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5127249744534

Comments

Three spatial regions of the original bias map for CCD = 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 map for CCD = 3 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:

Region 1: (155,1), (179,1), (179,1024), (155,1024)

Region 2: (393,1), (425,1), (425,647), (393,630)

Region 3: (538,1), (548,1), (548,619), (538,599)

seq_num	 	Sequence number
obs_id	54982	Observation id
title	ACIS-012357 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	101.45815093352	Nominal RA [deg]
dec_nom	47.003803534454	Nominal Dec [deg]
roll_nom	139.52233432892	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5512.7249744534	Sum of GTIs [s]
livetime	5442.9195314625	Livetime [s]
ontime0	5512.6839344501	Sum of GTIs [s]
ontime1	5512.6428944468	Sum of GTIs [s]
ontime2	5512.6018544436	Sum of GTIs [s]
ontime3	5512.7660144567	Sum of GTIs [s]
ontime5	5512.5608144403	Sum of GTIs [s]
ontime7	5512.7249744534	Sum of GTIs [s]
l2events	208520	Number of level 2 events