

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 59198 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Mar 22 2012

See [axaff59198N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.2083186226785

Comments

A spatial region of the original bias map for CCD = 9 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 = 9 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:

(941,1), (974,1), (974,87), (941,54)

seq_num	 	Sequence number
obs_id	59198	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	89.169534157718	Nominal RA [deg]
dec_nom	15.235076339284	Nominal Dec [deg]
roll_nom	299.8835720842	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5208.3186226785	Sum of GTIs [s]
livetime	5142.3677562052	Livetime [s]
ontime4	5208.1955026686	Sum of GTIs [s]
ontime5	5208.2775826752	Sum of GTIs [s]
ontime6	5208.2365426719	Sum of GTIs [s]
ontime7	5208.3186226785	Sum of GTIs [s]
ontime8	5208.1544626951	Sum of GTIs [s]
ontime9	5208.3596626818	Sum of GTIs [s]
l2events	637762	Number of level 2 events