

# V&V Summary Report

## L2 ASCDS Version : 10.9.1

Observation 4960 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Oct 5 2020

See [axaff04960N004\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.043

## 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 ( $\sim 20$  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 sky coords:  
(234.95353,21.62728), (234.95675,21.62742), (234.95014,21.76675), (234.94691,21.76661).

seq_num	800406	Sequence number
obs_id	4960	Observation id
title	Chandra Observations of Galaxy Clusters with Large cD Galaxy Peculiar Velocities	Proposal title
observer	Craig Sarazin	Principal investigator
object	Abell 2107	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.9125	Observer's specified target RA [deg]
dec_targ	21.782778	Observer's specified target Dec [deg]
ra_nom	234.89854532695	Nominal RA [deg]
dec_nom	21.77187083459	Nominal Dec [deg]
roll_nom	272.53542319469	Nominal Roll [deg]
revision	5	Processing version of data
ontime	36043.618010163	Sum of GTIs [s]
livetime	35572.681605935	Livetime [s]
ontime0	36040.477089673	Sum of GTIs [s]
ontime1	36043.617970228	Sum of GTIs [s]
ontime2	36043.618020087	Sum of GTIs [s]
ontime3	36043.618010163	Sum of GTIs [s]
ontime6	36043.61800018	Sum of GTIs [s]
l2events	172262	Number of level 2 events

