

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 6942 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2021

See axaff06942N004\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2021.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.0360003

## Comments

A spatial region 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 sky coords:  
(155.59028,38.31656), (155.60026,38.31020), (155.71208,38.41867), (155.70209,38.42504).

seq_num	800575	Sequence number
obs_id	6942	Observation id
title	The Cosmological Formation of Galaxy Groups	Proposal title
observer	David Buote	Principal investigator
object	RXC J1022.0+3830	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	155.519583	Observer's specified target RA [deg]
dec_targ	38.511944	Observer's specified target Dec [deg]
ra_nom	155.53951732316	Nominal RA [deg]
dec_nom	38.522459731025	Nominal Dec [deg]
roll_nom	51.117205888353	Nominal Roll [deg]
revision	4	Processing version of data
ontime	42036.000323296	Sum of GTIs [s]
livetime	41486.769032619	Livetime [s]
ontime2	42023.436461747	Sum of GTIs [s]
ontime3	42029.71839273	Sum of GTIs [s]
ontime5	42036.000323296	Sum of GTIs [s]
ontime6	42029.718372762	Sum of GTIs [s]
ontime7	42036.000323296	Sum of GTIs [s]
l2events	457830	Number of level 2 events

