

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13455 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 25 2012

See axaff13455N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	70.549619239688

## 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 ( $\sim 20$  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:  
(15.87371, -21.76601), (15.87237, -21.77118), (15.89522, -21.77624), (15.90499, -21.77294)

seq_num	801209	Sequence number
obs_id	13455	Observation id
title	CHANDRA EXPLORATION OF THE COSMIC MELTING POT IN THE VIRIALIZATION REGION OF A RICH GALAXY CLUSTER	Proposal title
observer	Dr. Alexey Vikhlinin	Principal investigator
object	A133-7	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.983222	Observer's specified target RA [deg]
dec_targ	-21.915745	Observer's specified target Dec [deg]
ra_nom	15.98929429829	Nominal RA [deg]
dec_nom	-21.914611416382	Nominal Dec [deg]
roll_nom	346.61397264777	Nominal Roll [deg]
revision	3	Processing version of data
ontime	70549.619232178	Sum of GTIs [s]
livetime	69627.836519035	Livetime [s]
ontime0	70558.919243395	Sum of GTIs [s]
ontime1	70562.101333737	Sum of GTIs [s]
ontime2	70549.578301668	Sum of GTIs [s]
ontime3	70549.619232178	Sum of GTIs [s]
ontime6	70555.73717308	Sum of GTIs [s]
l2events	208671	Number of level 2 events

