

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 14333 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 25 2012

See axaff14333N003\_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	136.53923127383

## 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:  
(15.62056, -21.71209), (15.62366, -21.71292), (15.62843, -21.69731), (15.62532, -21.69648)

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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

seq_num	801095	Sequence number
obs_id	14333	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	A133-2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.774093	Observer's specified target RA [deg]
dec_targ	-21.613411	Observer's specified target Dec [deg]
ra_nom	15.773124682156	Nominal RA [deg]
dec_nom	-21.607738352712	Nominal Dec [deg]
roll_nom	74.208338571425	Nominal Roll [deg]
revision	3	Processing version of data
ontime	136539.23128003	Sum of GTIs [s]
livetime	134755.24570464	Livetime [s]
ontime0	136554.8133316	Sum of GTIs [s]
ontime1	136548.57234067	Sum of GTIs [s]
ontime2	136554.89541161	Sum of GTIs [s]
ontime3	136539.23128003	Sum of GTIs [s]
ontime6	136548.49023116	Sum of GTIs [s]
l2events	424904	Number of level 2 events

