

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 15104 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff15104N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.081412818849

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 (~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:
(294.83462,54.29540), (294.83105,54.29670), (294.80354,54.27104), (294.80711,54.26975)

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	801233	Sequence number
obs_id	15104	Observation id
title	A Chandra-Planck Legacy Program for Massive Clusters of Galaxies	P
observer	Dr. Christine Jones	Principal investigator
object	G086.45+15.29	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	294.582083	Observer's specified target RA [deg]
dec_targ	54.157306	Observer's specified target Dec [deg]
ra_nom	294.62788143039	Nominal RA [deg]
dec_nom	54.204653943694	Nominal Dec [deg]
roll_nom	58.110270259982	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15081.412818849	Sum of GTIs [s]
livetime	14884.363057596	Livetime [s]
ontime0	15084.430709124	Sum of GTIs [s]
ontime1	15084.471749127	Sum of GTIs [s]
ontime2	15084.51278913	Sum of GTIs [s]
ontime3	15081.412818849	Sum of GTIs [s]
ontime6	15078.107738078	Sum of GTIs [s]
l2events	47613	Number of level 2 events

