

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 15369 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 29 2014

See axaff15369N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.7762266004086

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:

(47.43045,0.14790), (47.42783,0.14343), (47.47315,0.11697), (47.47130,0.12405)

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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	801359	Sequence number
obs_id	15369	Observation id
title	A Search for Cool Cores in a Sample of $z = 0.4$ Galaxy Clusters	Pro
observer	Professor Gordon Garmire	Principal investigator
object	GMBCG J047.34623-00.00606	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.34625	Observer's specified target RA [deg]
dec_targ	-0.005833	Observer's specified target Dec [deg]
ra_nom	47.455664518538	Nominal RA [deg]
dec_nom	0.072823537688466	Nominal Dec [deg]
roll_nom	329.72509220311	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9776.2266004086	Sum of GTIs [s]
livetime	9648.4930027209	Livetime [s]
ontime0	9776.1855604053	Sum of GTIs [s]
ontime1	9776.2266004086	Sum of GTIs [s]
ontime2	9776.2676404119	Sum of GTIs [s]
ontime3	9776.3086804152	Sum of GTIs [s]
ontime6	9776.144520402	Sum of GTIs [s]
l2events	25223	Number of level 2 events

