

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 15049 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 1 2014

See axaff15049N003_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	14.959999944329

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:
(278.80210,59.88001), (278.78848,59.88743), (278.74184,59.86595), (278.75826,59.85983)

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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	702856	Sequence number
obs_id	15049	Observation id
title	C-GOALS: The Chandra-RBGS Survey of a Complete Sample of Major-Merger LIRGs	Proposal title
observer	Professor David Sanders	Principal investigator
object	NGC 6670A/B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.398333	Observer's specified target RA [deg]
dec_targ	59.888889	Observer's specified target Dec [deg]
ra_nom	278.39727788872	Nominal RA [deg]
dec_nom	59.891847183275	Nominal Dec [deg]
roll_nom	42.862801578287	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14959.999944329	Sum of GTIs [s]
livetime	14770.567417204	Livetime [s]
ontime2	14959.999944329	Sum of GTIs [s]
ontime3	14959.999944329	Sum of GTIs [s]
ontime5	14959.999944329	Sum of GTIs [s]
ontime6	14956.75893414	Sum of GTIs [s]
ontime7	14959.999944329	Sum of GTIs [s]
ontime8	14953.517953455	Sum of GTIs [s]
l2events	140577	Number of level 2 events

