

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 14007 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 29 2014

See axaff14007N003_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	25.065903475523

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:
(176.30552,-1.57211), (176.30285,-1.57107), (176.25196,-1.70093), (176.25462,-1.70196)

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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	801187	Sequence number
obs_id	14007	Observation id
title	GAMA groups and cosmic feedback	Proposal title
observer	Prof Trevor Ponman	Principal investigator
object	G12-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.3	Observer's specified target RA [deg]
dec_targ	-1.73	Observer's specified target Dec [deg]
ra_nom	176.30059180091	Nominal RA [deg]
dec_nom	-1.7219357758002	Nominal Dec [deg]
roll_nom	68.601265773174	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25065.903475523	Sum of GTIs [s]
livetime	24738.398993366	Livetime [s]
ontime0	25068.921315908	Sum of GTIs [s]
ontime1	25062.680425227	Sum of GTIs [s]
ontime2	25065.862405717	Sum of GTIs [s]
ontime3	25065.903475523	Sum of GTIs [s]
ontime7	25069.085475922	Sum of GTIs [s]
l2events	112257	Number of level 2 events

