

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 9892 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 16 2015

See axaff09892N004_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	66.6654595

Comments

Because an aspect solution is determined in a finite time interval, a small number of events registered within the delta time before the first aspect solution do not have proper sky coordinates. We apply a manual workaround to exclude those events with incorrect sky positions until the complete s/w resolution is obtained.

A spatial region of the original bias map for CCD = 6 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 = 6 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:
(268.23784, -29.63873), (268.23757, -29.63629), (268.19568, -29.63975),
(268.19845, -29.64199)

seq_num	900837	Sequence number
obs_id	9892	Observation id
title	THE ORIGIN OF THE GALACTIC RIDGE X-RAY EMISSION	Proposal title
observer	Dr. Mikhail Revnivitsev	Principal investigator
object	1.5deg_window	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.86375	Observer's specified target RA [deg]
dec_targ	-29.58475	Observer's specified target Dec [deg]
ra_nom	267.86853222017	Nominal RA [deg]
dec_nom	-29.593117756857	Nominal Dec [deg]
roll_nom	275.21105147345	Nominal Roll [deg]
revision	4	Processing version of data
ontime	66664.853236735	Sum of GTIs [s]
livetime	65793.827851246	Livetime [s]
ontime0	66661.712256372	Sum of GTIs [s]
ontime1	66655.430295825	Sum of GTIs [s]
ontime2	66664.853226721	Sum of GTIs [s]
ontime3	66664.853236735	Sum of GTIs [s]
ontime6	66658.571246147	Sum of GTIs [s]
l2events	348119	Number of level 2 events

