

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 20038 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 20 2017

See [axaff20038N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.575823739171

Comments

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

A spatial region of the original bias map for CCD = 0 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 = 0 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: (194.64598,28.25323), (194.64316,28.25016), (194.67380,28.22846), (194.68084,28.22854).

seq_num	801595	Sequence number
obs_id	20038	Observation id
title	Probing ICM on mean free path scales	Proposal title
observer	Irina Zhuravleva	Principal investigator
object	Coma cluster	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.649583	Observer's specified target RA [deg]
dec_targ	28.074806	Observer's specified target Dec [deg]
ra_nom	194.6395581055	Nominal RA [deg]
dec_nom	28.077214843267	Nominal Dec [deg]
roll_nom	141.21340180328	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50575.823739171	Sum of GTIs [s]
livetime	49915.013368639	Livetime [s]
ontime0	50578.841649413	Sum of GTIs [s]
ontime1	50582.023769498	Sum of GTIs [s]
ontime2	50578.923769355	Sum of GTIs [s]
ontime3	50575.823739171	Sum of GTIs [s]
l2events	273043	Number of level 2 events

