

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 18797 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 24 2016

See [axaff18797N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.071459363222

## 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 star from the solution.

A spatial region of the original bias map for CCD = 1 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 = 1 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: (194.83180, 28.08190), (194.83416, 28.08526), (194.69982, 28.15883), (194.69746, 28.15547).

seq_num	801595	Sequence number
obs_id	18797	Observation id
title	Probing ICM on mean free path scales	Proposal title
observer	Dr Irina Zhuravleva	Principal investigator
object	Coma cluster	Source name
dtcycle	0	&#160
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	194.64146693286	Nominal RA [deg]
dec_nom	28.076137891071	Nominal Dec [deg]
roll_nom	148.21250783186	Nominal Roll [deg]
revision	2	Processing version of data
ontime	55071.459363222	Sum of GTIs [s]
livetime	54351.910203623	Livetime [s]
ontime0	55074.600423694	Sum of GTIs [s]
ontime1	55074.600423694	Sum of GTIs [s]
ontime2	55068.318333507	Sum of GTIs [s]
ontime3	55071.459363222	Sum of GTIs [s]
l2events	282077	Number of level 2 events

