

V&V Summary Report

L2 ASCDS Version : 10.4.3.1

Observation 18793 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 15 2016

See axaff18793N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	77.961900599718

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.

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A spatial region of the original bias maps for CCD = 0 and 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 anomaly. The affected bias maps have been reconstructed for this processing to remove this anomaly using scaled data from comparable bias maps from other observations.

The pixels on CCD = 0 affected by the anomaly are bounded by sky coords: (194.55859,28.20548), (194.55008,28.19794), (194.58292,28.16924), (194.58968,28.17831).

The affected pixels on CCD = 2 are bounded by sky coords: (194.52661,28.17711), (194.52063,28.17177), (194.56018,28.13722), (194.56494,28.14362).

seq_num	801595	Sequence number
obs_id	18793	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	
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	194.64202645054	Nominal RA [deg]
dec_nom	28.077724588318	Nominal Dec [deg]
roll_nom	135.21224606887	Nominal Roll [deg]
revision	2	Processing version of data
ontime	77961.900599718	Sum of GTIs [s]
livetime	76943.270973667	Livetime [s]
ontime0	77952.477318525	Sum of GTIs [s]
ontime1	77943.054227829	Sum of GTIs [s]
ontime2	77936.772017717	Sum of GTIs [s]
ontime3	77961.900599718	Sum of GTIs [s]
l2events	406858	Number of level 2 events

