

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 19510 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 20 2016

See axaff19510N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.069400154471

Comments

The guide star in slot 7 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 = 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 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: (237.49879,18.72434), (237.49549,18.72193), (237.57622,18.62286), (237.57952,18.62528).

seq_num	703358	Sequence number
obs_id	19510	Observation id
title	Extreme rotation measures and high-redshift clusters	Proposal titl
observer	Mark Birkinshaw	Principal investigator
object	4C +18.45	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.4025	Observer's specified target RA [deg]
dec_targ	18.583361	Observer's specified target Dec [deg]
ra_nom	237.40358116443	Nominal RA [deg]
dec_nom	18.590241210754	Nominal Dec [deg]
roll_nom	37.656271890093	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20069.400154471	Sum of GTIs [s]
livetime	19807.178666576	Livetime [s]
ontime3	20069.400154471	Sum of GTIs [s]
ontime6	20066.259194016	Sum of GTIs [s]
ontime7	20069.400154471	Sum of GTIs [s]
ontime8	20069.400154471	Sum of GTIs [s]
l2events	124150	Number of level 2 events

