

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 20049 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 3 2017

See axaff20049N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.047700154305

Comments

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

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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:
(386,1), (440,1), (440,205), (386,231).

seq_num	801561	Sequence number
obs_id	20049	Observation id
title	Tales of tails: the Coma episodes	Proposal title
observer	Ming Sun	Principal investigator
object	NGC 4848	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.5111	Observer's specified target RA [deg]
dec_targ	28.2576	Observer's specified target Dec [deg]
ra_nom	194.48693831867	Nominal RA [deg]
dec_nom	28.275810214645	Nominal Dec [deg]
roll_nom	167.16807499202	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20047.700154305	Sum of GTIs [s]
livetime	19785.762192886	Livetime [s]
ontime2	20047.700154305	Sum of GTIs [s]
ontime3	20047.700154305	Sum of GTIs [s]
ontime6	20047.700154305	Sum of GTIs [s]
ontime7	20047.700154305	Sum of GTIs [s]
ontime8	20047.700154305	Sum of GTIs [s]
l2events	145765	Number of level 2 events

