

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 19969 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 5 2017

See axaff19969N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.063200154424

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 guide star from the solution.

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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:

(207.17902,26.43739),

(207.18188,26.43336), (207.23380,26.46266), (207.23094,26.46669)

seq_num	890148	Sequence number
obs_id	19969	Observation id
title	AO-18 (Fall 2017) Calibration Observations of A1795	Proposal title
observer	CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.2436303838	Nominal RA [deg]
dec_nom	26.609907093454	Nominal Dec [deg]
roll_nom	32.19798559112	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20063.200154424	Sum of GTIs [s]
livetime	19801.059674093	Livetime [s]
ontime0	20060.059114099	Sum of GTIs [s]
ontime1	20063.200154424	Sum of GTIs [s]
ontime2	20063.200154424	Sum of GTIs [s]
ontime3	20063.200154424	Sum of GTIs [s]
ontime6	20063.200154424	Sum of GTIs [s]
l2events	186363	Number of level 2 events

