

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20586 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Oct 25 2020

See axaff20586N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	Repr+DD
V&V Charge Time	15.065565544605

Comments

SAP Team: Please reprocess using replacement bias file for chip 1.

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The bias map for CCD_ID = 1 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the 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_ID = 1 will be recreated to remove this anomaly and the data will be reprocessed.

seq_num	801784	Sequence number
obs_id	20586	Observation id
title	A POSSIBLE FIRST DETECTION OF INVERSE COMPTON EMISSION FROM A GALAXY CLUSTER	Proposal title
observer	Maxim Markevitch	Principal investigator
object	CIZA J2242.8+5301	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.67	Observer's specified target RA [deg]
dec_targ	53.11	Observer's specified target Dec [deg]
ra_nom	340.67465789664	Nominal RA [deg]
dec_nom	53.112710886758	Nominal Dec [deg]
roll_nom	69.198340811414	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15065.565540195	Sum of GTIs [s]
livetime	14868.722835304	Livetime [s]
ontime0	15068.583430648	Sum of GTIs [s]
ontime1	15068.624470592	Sum of GTIs [s]
ontime2	15068.665510654	Sum of GTIs [s]
ontime3	15065.565540195	Sum of GTIs [s]
ontime6	15065.401390553	Sum of GTIs [s]
l2events	59527	Number of level 2 events

