

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 21088 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff21088N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.066580837488

Comments

A spatial region of the original bias map for CCD = 0 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 = 0 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: (340.83614,53.20913), (340.83189,53.21011), (340.80387,53.16617), (340.80877,53.16621).

seq_num	801784	Sequence number
obs_id	21088	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	340.67507740713	Nominal RA [deg]
dec_nom	53.112897894726	Nominal Dec [deg]
roll_nom	69.196667509025	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25066.580843568	Sum of GTIs [s]
livetime	24739.067511098	Livetime [s]
ontime0	25066.457723618	Sum of GTIs [s]
ontime1	25063.357743263	Sum of GTIs [s]
ontime2	25066.539803624	Sum of GTIs [s]
ontime3	25066.580843568	Sum of GTIs [s]
ontime6	25066.416683555	Sum of GTIs [s]
l2events	100756	Number of level 2 events

