

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20930 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 27 2020

See axaff20930N003_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.193918181896

Comments

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: (340.74042,52.78077), (340.74995,52.78289), (340.66994,52.91388), (340.66038,52.91175).

seq_num	801784	Sequence number
obs_id	20930	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	340.695	Observer's specified target RA [deg]
dec_targ	53.11	Observer's specified target Dec [deg]
ra_nom	340.68792896465	Nominal RA [deg]
dec_nom	53.109879372099	Nominal Dec [deg]
roll_nom	200.21054343738	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30193.918182015	Sum of GTIs [s]
livetime	29799.412412528	Livetime [s]
ontime0	30200.200232387	Sum of GTIs [s]
ontime1	30193.918151975	Sum of GTIs [s]
ontime2	30190.77708149	Sum of GTIs [s]
ontime3	30193.918182015	Sum of GTIs [s]
ontime6	30190.777231097	Sum of GTIs [s]
l2events	124699	Number of level 2 events

