

V&V Summary Report

L2 ASCDS Version : 10.7

Observation 21970 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 7 2018

See axaff21970N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.134700101137

Comments

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: (239.09486,66.18464), (239.09828,66.17217), (239.19089,66.17620), (239.18751,66.18867).

seq_num	801762	Sequence number
obs_id	21970	Observation id
title	Shock structure, the electron-ion equilibration timescale and the disintegrating cool core in A2146	Proposal title
observer	Helen Russell	Principal investigator
object	Abell 2146	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.06125	Observer's specified target RA [deg]
dec_targ	66.346917	Observer's specified target Dec [deg]
ra_nom	239.14764249399	Nominal RA [deg]
dec_nom	66.32861213204	Nominal Dec [deg]
roll_nom	6.1295375292844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13134.700101137	Sum of GTIs [s]
livetime	12963.08557469	Livetime [s]
ontime0	13131.559150815	Sum of GTIs [s]
ontime1	13131.559111118	Sum of GTIs [s]
ontime2	13134.700101137	Sum of GTIs [s]
ontime3	13134.700101137	Sum of GTIs [s]
ontime6	13134.700101137	Sum of GTIs [s]
l2events	54623	Number of level 2 events

