

V&V Summary Report

L2 ASCDS Version : 10.8

Observation 20922 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 3 2019

See [axaff20922N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.09.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.263359148026

Comments

A spatial region of the original bias map for CCD = 3 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 = 3 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: (239.25346,66.46616), (239.24399,66.46564), (239.26215,66.41420), (239.27056,66.41769).

seq_num	801762	Sequence number
obs_id	20922	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	238.9921692132	Nominal RA [deg]
dec_nom	66.312870437488	Nominal Dec [deg]
roll_nom	278.27191057327	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19263.359148026	Sum of GTIs [s]
livetime	19011.669179278	Livetime [s]
ontime0	19263.359167933	Sum of GTIs [s]
ontime1	19263.359197855	Sum of GTIs [s]
ontime2	19257.077217698	Sum of GTIs [s]
ontime3	19263.359148026	Sum of GTIs [s]
ontime6	19263.35925746	Sum of GTIs [s]
l2events	79390	Number of level 2 events

