

V&V Summary Report

L2 ASCDS Version : 10.8

Observation 22259 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 24 2019

See [axaff22259N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.06.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.066300154448

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:(238.54745,66.36721), (238.54961,66.36448), (238.72699,66.38703), (238.73784,66.39141).

seq_num	801762	Sequence number
obs_id	22259	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	238.91830644867	Nominal RA [deg]
dec_nom	66.378361511816	Nominal Dec [deg]
roll_nom	197.33965273197	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20066.300154448	Sum of GTIs [s]
livetime	19804.119170334	Livetime [s]
ontime0	20066.300154448	Sum of GTIs [s]
ontime1	20063.159194112	Sum of GTIs [s]
ontime2	20066.300154448	Sum of GTIs [s]
ontime3	20066.300154448	Sum of GTIs [s]
ontime6	20066.300154448	Sum of GTIs [s]
l2events	82996	Number of level 2 events

