

# V&V Summary Report

## L2 ASCDS Version : 10.8

Observation 22563 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Sep 30 2019

See axaff22563N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.063200154424

## 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 ( $\sim 20$  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: (34.55955,-3.86222), (34.56424,-3.86318), (34.57533,-3.81006), (34.57117,-3.80657).

seq_num	703950	Sequence number
obs_id	22563	Observation id
title	Unveiling the AGN population in the highest redshift, mature, massive galaxy cluster	Proposal title
observer	Emil Noordeh	Principal investigator
object	XLSSC 122	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	34.433	Observer's specified target RA [deg]
dec_targ	-3.759	Observer's specified target Dec [deg]
ra_nom	34.430739134578	Nominal RA [deg]
dec_nom	-3.7514650563533	Nominal Dec [deg]
roll_nom	78.208535444938	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20063.200154424	Sum of GTIs [s]
livetime	19801.059674093	Livetime [s]
ontime0	20063.200154424	Sum of GTIs [s]
ontime1	20063.200154424	Sum of GTIs [s]
ontime2	20063.200154424	Sum of GTIs [s]
ontime3	20063.200154424	Sum of GTIs [s]
ontime6	20056.918023944	Sum of GTIs [s]
l2events	72799	Number of level 2 events

