

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 21013 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff21013N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1502137025595

## Comments

A spatial region of the original bias map for CCD = 9 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. In this case, the bias map for CCD = 9 could not be improved because no suitable data at a compatible temperature and time range are available to use as replacement values. The bias map used in this processing is the original bias map telemetered with the observation.

seq_num	703654	Sequence number
obs_id	21013	Observation id
title	LOW SURFACE BRIGHTNESS GALAXIES AND THE BLACK HOLE OCCUPATION FRACTION	Proposal title
observer	Elena Gallo	Principal investigator
object	UGC 05629	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.054583	Observer's specified target RA [deg]
dec_targ	21.049722	Observer's specified target Dec [deg]
ra_nom	156.0534770467	Nominal RA [deg]
dec_nom	21.050013647572	Nominal Dec [deg]
roll_nom	257.25566864265	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6150.2137018442	Sum of GTIs [s]
livetime	6069.8566321082	Livetime [s]
ontime5	6150.1726619005	Sum of GTIs [s]
ontime6	6150.1316218376	Sum of GTIs [s]
ontime7	6150.2137018442	Sum of GTIs [s]
ontime8	6150.0905818939	Sum of GTIs [s]
ontime9	6150.049541831	Sum of GTIs [s]
l2events	72926	Number of level 2 events

