

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 20514 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff20514N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0666406800747

## Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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: (2.59746,11.68054), (2.59349,11.67927), (2.60984,11.62985), (2.61278,11.63423).

seq_num	801728	Sequence number
obs_id	20514	Observation id
title	Enabling precision cosmology with optically selected galaxy clusters	&#160
observer	Roger Morris	Principal investigator
object	CIG J001037+112957	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	2.649167	Observer's specified target RA [deg]
dec_targ	11.503917	Observer's specified target Dec [deg]
ra_nom	2.6391872512758	Nominal RA [deg]
dec_nom	11.539478206148	Nominal Dec [deg]
roll_nom	107.94083528032	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7066.6406724453	Sum of GTIs [s]
livetime	6974.3098096746	Livetime [s]
ontime0	7069.6586126089	Sum of GTIs [s]
ontime1	7066.5586023331	Sum of GTIs [s]
ontime2	7069.7406926155	Sum of GTIs [s]
ontime3	7066.6406724453	Sum of GTIs [s]
ontime6	7066.4765222073	Sum of GTIs [s]
l2events	24720	Number of level 2 events

