

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20513 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff20513N003_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	5.0654000390768

Comments

A spatial region of the original bias maps for CCD = 1 and CCD = 6 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 anomaly. The bias maps for CCD = 1 and CCD = 6 have been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

The pixels on CCD = 1 affected by the anomaly are bounded by sky coords: (141.81294,17.53020), (141.81738,17.52868), (141.86701,17.65989), (141.86257,17.66140).

The pixels on CCD = 6 affected by the anomaly are bounded by sky coords: (141.46570,17.97184), (141.46343,17.96580), (141.48720,17.95772), (141.49258,17.96270).

seq_num	801727	Sequence number
obs_id	20513	Observation id
title	Enabling precision cosmology with optically selected galaxy clusters	
observer	Roger Morris	Principal investigator
object	CIG J092642+174110	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.67875	Observer's specified target RA [deg]
dec_targ	17.681111	Observer's specified target Dec [deg]
ra_nom	141.69324454959	Nominal RA [deg]
dec_nom	17.714855110536	Nominal Dec [deg]
roll_nom	70.197463207452	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5065.4000390768	Sum of GTIs [s]
livetime	4999.216858473	Livetime [s]
ontime0	5065.4000390768	Sum of GTIs [s]
ontime1	5065.4000390768	Sum of GTIs [s]
ontime2	5065.4000390768	Sum of GTIs [s]
ontime3	5065.4000390768	Sum of GTIs [s]
ontime6	5062.2589889765	Sum of GTIs [s]
l2events	18586	Number of level 2 events

