

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4807 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 28 2020

See [axaff04807N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.708

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 (~ 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:

(155.86152,47.28023), (155.86269,47.27720), (156.06177,47.31216),
(156.06060,47.31519).

seq_num	700890	Sequence number
obs_id	4807	Observation id
title	A Chandra observation of the z=2.286 Seyfert 2 galaxy FSC10214+4724: Constraints on AGNs in typical submm galaxies	Proposal title
observer	Dr David Alexander	Principal investigator
object	FSC 10214+4724	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.14375	Observer's specified target RA [deg]
dec_targ	47.152722	Observer's specified target Dec [deg]
ra_nom	156.13194077294	Nominal RA [deg]
dec_nom	47.155275165759	Nominal Dec [deg]
roll_nom	194.40163862805	Nominal Roll [deg]
revision	5	Processing version of data
ontime	21708.799919128	Sum of GTIs [s]
livetime	21433.910023082	Livetime [s]
ontime2	21708.799919128	Sum of GTIs [s]
ontime3	21708.799919128	Sum of GTIs [s]
ontime5	21708.799919128	Sum of GTIs [s]
ontime6	21705.55890891	Sum of GTIs [s]
ontime7	21708.799919128	Sum of GTIs [s]
ontime8	21708.799919128	Sum of GTIs [s]
l2events	153473	Number of level 2 events

