

V&V Summary Report

L2 ASCDS Version : 10.5

Observation 18871 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 17 2016

See axaff18871N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.068859129667

Comments

One optional chip was dropped.

A spatial region of the original bias map for CCD = 0 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 = 0 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: (299.72668,40.84487), (299.72428,40.84215), (299.77059,40.81877), (299.77704,40.81944).

seq_num	703131	Sequence number
obs_id	18871	Observation id
title	The Rise to Power: Half a Billion Years of Intense AGN Activity in the Merging Cluster Cygnus A	Proposal title
observer	Dr. Michael Wise	Principal investigator
object	Cygnus A - Nucleus	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.867917	Observer's specified target RA [deg]
dec_targ	40.733889	Observer's specified target Dec [deg]
ra_nom	299.85851948993	Nominal RA [deg]
dec_nom	40.735565277873	Nominal Dec [deg]
roll_nom	146.21482718986	Nominal Roll [deg]
revision	2	Processing version of data
ontime	22068.859129667	Sum of GTIs [s]
livetime	21780.51323828	Livetime [s]
ontime0	22072.000169873	Sum of GTIs [s]
ontime1	22072.000169873	Sum of GTIs [s]
ontime2	22072.000169873	Sum of GTIs [s]
ontime3	22068.859129667	Sum of GTIs [s]
l2events	160369	Number of level 2 events

