

V&V Summary Report

L2 ASCDS Version : 10.5.4

Observation 17134 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 23 2017

See axaff17134N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.772400229096

Comments

A spatial region of the original bias map for CCD = 1 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 = 1 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:

(300.03272,40.66235), (300.04040,40.66662), (300.02928,40.67818),
(300.01863,40.67699).

seq_num	703131	Sequence number
obs_id	17134	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	299.85839865549	Nominal RA [deg]
dec_nom	40.737898986287	Nominal Dec [deg]
roll_nom	126.21486620279	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29772.400229096	Sum of GTIs [s]
livetime	29383.401901981	Livetime [s]
ontime0	29766.118258476	Sum of GTIs [s]
ontime1	29769.259238839	Sum of GTIs [s]
ontime2	29766.118148565	Sum of GTIs [s]
ontime3	29772.400229096	Sum of GTIs [s]
ontime6	29772.400229096	Sum of GTIs [s]
l2events	239539	Number of level 2 events

