

V&V Summary Report

L2 ASCDS Version : 10.5

Observation 17133 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 23 2016

See [axaff17133N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.06.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.640359225512

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: (299.70143,40.76682), (299.69725,40.76204), (299.79529,40.71249), (299.79947,40.71726).

seq_num	703131	Sequence number
obs_id	17133	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	299.85854969407	Nominal RA [deg]
dec_nom	40.735557963227	Nominal Dec [deg]
roll_nom	146.21479979417	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30640.359225512	Sum of GTIs [s]
livetime	30240.020375126	Livetime [s]
ontime0	30630.936104536	Sum of GTIs [s]
ontime1	30637.218205452	Sum of GTIs [s]
ontime2	30637.218155146	Sum of GTIs [s]
ontime3	30640.359225512	Sum of GTIs [s]
ontime6	30643.500235796	Sum of GTIs [s]
l2events	241916	Number of level 2 events

