

V&V Summary Report

L2 ASCDS Version : 10.4.3.1

Observation 18861 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 6 2016

See [axaff18861N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.297793923855

Comments

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: (299.63613,41.03879), (299.63237,41.03715), (299.72536,40.91665), (299.72911,40.91829).

seq_num	703135	Sequence number
obs_id	18861	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 - NW Subcluster	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.698333	Observer's specified target RA [deg]
dec_targ	40.893111	Observer's specified target Dec [deg]
ra_nom	299.6907659276	Nominal RA [deg]
dec_nom	40.897855732705	Nominal Dec [deg]
roll_nom	120.21361874644	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24297.793923855	Sum of GTIs [s]
livetime	23980.325358464	Livetime [s]
ontime0	24294.529803514	Sum of GTIs [s]
ontime1	24294.57085371	Sum of GTIs [s]
ontime2	24294.611863732	Sum of GTIs [s]
ontime3	24297.793923855	Sum of GTIs [s]
ontime6	24297.629763842	Sum of GTIs [s]
l2events	112771	Number of level 2 events

