

V&V Summary Report

L2 ASCDS Version : 10.4.2.1

Observation 18641 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Oct 20 2015

See axaff18641N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.673359194279

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:
(299.71858, 40.85596), (299.71317, 40.85591), (299.71355, 40.82605),
(299.71895, 40.82678).

seq_num	703133	Sequence number
obs_id	18641	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 - E Hotspot	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.883333	Observer's specified target RA [deg]
dec_targ	40.727889	Observer's specified target Dec [deg]
ra_nom	299.88773597594	Nominal RA [deg]
dec_nom	40.718429363247	Nominal Dec [deg]
roll_nom	270.429847448	Nominal Roll [deg]
revision	2	Processing version of data
ontime	22673.359194279	Sum of GTIs [s]
livetime	22377.115064521	Livetime [s]
ontime0	22673.359184384	Sum of GTIs [s]
ontime1	22676.500174522	Sum of GTIs [s]
ontime2	22676.500174522	Sum of GTIs [s]
ontime3	22673.359194279	Sum of GTIs [s]
ontime6	22673.359204173	Sum of GTIs [s]
l2events	166085	Number of level 2 events

