

V&V Summary Report

L2 ASCDS Version : 10.4.1

Observation 18441 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 22 2015

See axaff18441N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.901524194241

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:
(299.85186, 40.87951), (299.84564, 40.88134), (299.80801, 40.80889),
(299.81679, 40.81200).

seq_num	703133	Sequence number
obs_id	18441	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	299.88275835038	Nominal RA [deg]
dec_nom	40.717866586303	Nominal Dec [deg]
roll_nom	248.50907641924	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24901.524194241	Sum of GTIs [s]
livetime	24576.167448407	Livetime [s]
ontime0	24898.260004044	Sum of GTIs [s]
ontime1	24901.442114234	Sum of GTIs [s]
ontime2	24898.342104077	Sum of GTIs [s]
ontime3	24901.524194241	Sum of GTIs [s]
ontime6	24901.360034227	Sum of GTIs [s]
l2events	179050	Number of level 2 events

