

V&V Summary Report

L2 ASCDS Version : 10.3.3

Observation 17530 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 22 2015

See axaff17530N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.582200166106

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:
(299.94917, 40.89328), (299.94599, 40.89277), (299.98086, 40.77029),
(299.98433, 40.76973).

seq_num	703133	Sequence number
obs_id	17530	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	299.87644332059	Nominal RA [deg]
dec_nom	40.736484306252	Nominal Dec [deg]
roll_nom	102.21319857139	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21582.200166106	Sum of GTIs [s]
livetime	21300.212832351	Livetime [s]
ontime0	21579.059175849	Sum of GTIs [s]
ontime1	21582.200166106	Sum of GTIs [s]
ontime2	21582.200166106	Sum of GTIs [s]
ontime3	21582.200166106	Sum of GTIs [s]
ontime6	21582.200166106	Sum of GTIs [s]
l2events	159643	Number of level 2 events

