

V&V Summary Report

L2 ASCDS Version : 10.4.3.1

Observation 18434 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 14 2016

See [axaff18434N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.372798496127

Comments

Window preference met.

A spatial region of the original bias maps for CCD = 0 and CCD = 6 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 maps for CCD = 0 and CCD = 6 have been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels on CCD = 0 affected by the anomaly are bounded by sky coords:

(207.23302,26.62591), (207.23223,26.62216),
(207.35843,26.60107), (207.35922,26.60482).

The affected pixels on CCD = 6 are bounded by sky coords:

(207.11919,26.29942), (207.12338,26.29872), (207.13276,26.34422),
(207.12856,26.34491).

seq_num	890127	Sequence number
obs_id	18434	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.35541907924	Nominal RA [deg]
dec_nom	26.570028885323	Nominal Dec [deg]
roll_nom	169.38206938817	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15372.798496127	Sum of GTIs [s]
livetime	15171.941566486	Livetime [s]
ontime0	15372.716416121	Sum of GTIs [s]
ontime1	15369.616375804	Sum of GTIs [s]
ontime2	15372.798496127	Sum of GTIs [s]
ontime3	15372.839536071	Sum of GTIs [s]
ontime6	15369.53430593	Sum of GTIs [s]
l2events	108275	Number of level 2 events

