

V&V Summary Report

L2 ASCDS Version : 10.4.1

Observation 17445 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 1 2015

See [axaff17445N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.09.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.062300039053

Comments

Two spatial regions of the original bias map for CCD = 3 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 = 3 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:

(10.72544, 41.09935), (10.72803, 41.10180), (10.58259, 41.18816), (10.58001, 41.18570) and (10.79930, 41.16938), (10.80121, 41.17119), (10.65572, 41.25763), (10.65381, 41.25581).

seq_num	401678	Sequence number
obs_id	17445	Observation id
title	Monitoring the central region of M31 for X-ray transients	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	M31 bulge	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.269028	Observer's specified target Dec [deg]
ra_nom	10.672341192501	Nominal RA [deg]
dec_nom	41.272371125061	Nominal Dec [deg]
roll_nom	141.73350405967	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5062.300039053	Sum of GTIs [s]
liveltime	4996.1573622317	Livetime [s]
ontime0	5062.300039053	Sum of GTIs [s]
ontime1	5062.300039053	Sum of GTIs [s]
ontime2	5062.300039053	Sum of GTIs [s]
ontime3	5062.300039053	Sum of GTIs [s]
ontime7	5062.300039053	Sum of GTIs [s]
l2events	36071	Number of level 2 events

