

V&V Summary Report

L2 ASCDS Version : 10.4.3.1

Observation 17621 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 5 2016

See [axaff17621N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	64.08537454915

Comments

One optional chip was dropped.

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:

(207.91864, 26.30513), (207.92110, 26.30857), (207.85286, 26.34806),
(207.84976, 26.34499).

seq_num	801501	Sequence number
obs_id	17621	Observation id
title	Chandra mapping of the cosmic web converging on the virialization region of Abell 1795	Proposal title
observer	Dr Alexey Vikhlinin	Principal investigator
object	Abell 1795 outskirts	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.722667	Observer's specified target RA [deg]
dec_targ	26.277578	Observer's specified target Dec [deg]
ra_nom	207.71471111742	Nominal RA [deg]
dec_nom	26.279038818583	Nominal Dec [deg]
roll_nom	147.21221741894	Nominal Roll [deg]
revision	2	Processing version of data
ontime	64085.37454915	Sum of GTIs [s]
livetime	63248.051951699	Livetime [s]
ontime0	64082.110338926	Sum of GTIs [s]
ontime1	64072.728158116	Sum of GTIs [s]
ontime2	64075.910328746	Sum of GTIs [s]
ontime3	64085.37454915	Sum of GTIs [s]
l2events	142155	Number of level 2 events

