

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 17615 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 6 2017

See axaff17615N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.01.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.68165923512

Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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: (207.62120,26.85677), (207.61846,26.85895), (207.58033,26.82097), (207.58266,26.81838).

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ONTIME of 26681.65923512 seconds is less than 85% of expected scheduled time of 55701.101 seconds. ACIS DPA anomaly occurred during this observation, powering down the ACIS instrument. The data products for this obsid are good, but additional time will be scheduled to recover the lost observing time.

seq_num	801501	Sequence number
obs_id	17615	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	207.601708	Observer's specified target RA [deg]
dec_targ	26.670897	Observer's specified target Dec [deg]
ra_nom	207.60425803916	Nominal RA [deg]
dec_nom	26.678102413843	Nominal Dec [deg]
roll_nom	48.135199297288	Nominal Roll [deg]
revision	2	Processing version of data
ontime	26681.65923512	Sum of GTIs [s]
livetime	26333.043714461	Livetime [s]
ontime0	26678.518244982	Sum of GTIs [s]
ontime1	26681.659215331	Sum of GTIs [s]
ontime2	26684.80020535	Sum of GTIs [s]
ontime3	26681.65923512	Sum of GTIs [s]
ontime6	26684.80020535	Sum of GTIs [s]
l2events	91391	Number of level 2 events

