

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 19590 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 16 2017

See [axaff19590N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.11.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.07960540843

Comments

Two optional chips were dropped.

Also, two spatial regions 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. The bias map for CCD = 0 has been reconstructed for this processing to remove the anomaly using scaled data from a comparable bias map from another observation.

One of the affected regions is bounded by sky coords
(28.59884,-3.63841), (28.60178,-3.63576), (28.55874,-3.58839),
(28.55488,-3.59003).

The other region is bounded by sky coords (28.64060,-3.50435),
(28.64314,-3.50207), (28.59744,-3.45179), (28.59491,-3.45407).

seq_num	801679	Sequence number
obs_id	19590	Observation id
title	A multiwavelength view of the intracluster medium at intermediate redshift in a mass-limited sample of ACTPol clusters	Proposal title
observer	Matt Hilton	Principal investigator
object	ACT-CL J0154.4-0321	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	28.608333	Observer's specified target RA [deg]
dec_targ	-3.360306	Observer's specified target Dec [deg]
ra_nom	28.649623072268	Nominal RA [deg]
dec_nom	-3.4004032971048	Nominal Dec [deg]
roll_nom	312.2111081494	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33079.60540843	Sum of GTIs [s]
livetime	32647.396010918	Livetime [s]
ontime0	33079.482358575	Sum of GTIs [s]
ontime1	33073.241358161	Sum of GTIs [s]
ontime2	33079.564368486	Sum of GTIs [s]
ontime3	33079.60540843	Sum of GTIs [s]
l2events	89795	Number of level 2 events

