

# V&V Summary Report

## L2 ASCDS Version : 10.5.2

Observation 19761 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 28 2017

See [axaff19761N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.083010292649

## Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

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: (0.46328,-54.49438), (0.46000,-54.49077), (0.24700,-54.55535), (0.25028,-54.55898).

seq_num	801698	Sequence number
obs_id	19761	Observation id
title	A Chandra Survey of high-redshift ( $0.7 < z < 0.8$ ) clusters selected in the 100 deg <sup>2</sup> SPT-Pol Deep Field	Proposal title
observer	Gordon Garmire	Principal investigator
object	SPT-CLJ0001-5440	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.417083	Observer's specified target RA [deg]
dec_targ	-54.67	Observer's specified target Dec [deg]
ra_nom	0.3653240630905	Nominal RA [deg]
dec_nom	-54.689672846029	Nominal Dec [deg]
roll_nom	207.58508888073	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14083.010292649	Sum of GTIs [s]
livetime	13899.005395414	Livetime [s]
ontime0	14086.028133035	Sum of GTIs [s]
ontime1	14086.069172978	Sum of GTIs [s]
ontime2	14086.110213041	Sum of GTIs [s]
ontime3	14083.010292649	Sum of GTIs [s]
ontime6	14082.846122503	Sum of GTIs [s]
l2events	48004	Number of level 2 events

