

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 11864 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 2 2017

See [axaff11864N004\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.998059173465

## Comments

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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this 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:  
(359.89445, -50.37021), (359.89756, -50.37573), (359.96057, -50.36138), (359.95746, -50.35586)

seq_num	800918	Sequence number
obs_id	11864	Observation id
title	Chandra Observations of SZ-selected Galaxy Clusters Detected by the South Pole Telescope	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SPT-CL0000-5010	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.919167	Observer's specified target RA [deg]
dec_targ	-50.161	Observer's specified target Dec [deg]
ra_nom	0.00010042627574514	Nominal RA [deg]
dec_nom	-50.144513659894	Nominal Dec [deg]
roll_nom	19.687412941303	Nominal Roll [deg]
revision	4	Processing version of data
ontime	19998.059173465	Sum of GTIs [s]
livetime	19736.769808006	Livetime [s]
ontime0	19991.777242601	Sum of GTIs [s]
ontime1	19985.495252132	Sum of GTIs [s]
ontime2	19998.059173465	Sum of GTIs [s]
ontime3	19998.059173465	Sum of GTIs [s]
ontime6	19998.059193432	Sum of GTIs [s]
l2events	77087	Number of level 2 events

