

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20880 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 7 2017

See axaff20880N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.574418061614

## Comments

One optional chip was dropped.

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: (50.60532,41.29082), (50.60821,41.28875), (50.64551,41.31798), (50.64740,41.32379).

seq_num	801657	Sequence number
obs_id	20880	Observation id
title	A detailed study of the colossal 700 kpc radius cold front in the Perseus cluster	Proposal title
observer	Stephen Walker	Principal investigator
object	Perseus cold front 1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	50.607917	Observer's specified target RA [deg]
dec_targ	41.458417	Observer's specified target Dec [deg]
ra_nom	50.60426893282	Nominal RA [deg]
dec_nom	41.449395933497	Nominal Dec [deg]
roll_nom	226.21109117384	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27574.418061614	Sum of GTIs [s]
livetime	27214.137989648	Livetime [s]
ontime0	27580.70021224	Sum of GTIs [s]
ontime1	27574.418091655	Sum of GTIs [s]
ontime2	27571.277061343	Sum of GTIs [s]
ontime3	27574.418061614	Sum of GTIs [s]
l2events	119398	Number of level 2 events

