

# V&V Summary Report

## L2 ASCDS Version : 10.8

Observation 21548 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 15 2019

See axaff21548N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.367657278895

## Comments

A spatial region of the original bias map for CCD = 3 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 = 3 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:

(328.65005,-37.44421), (328.65172,-37.44659), (328.76911,-37.39431),  
(328.76744,-37.39193).

seq_num	801830	Sequence number
obs_id	21548	Observation id
title	A Unique Sample of Extreme-BCG Clusters at $0.2 < z < 0.6$	Proposal
observer	Michael McDonald	Principal investigator
object	CHIPS2155-3727	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.827917	Observer's specified target RA [deg]
dec_targ	-37.463611	Observer's specified target Dec [deg]
ra_nom	328.86465960099	Nominal RA [deg]
dec_nom	-37.467841228451	Nominal Dec [deg]
roll_nom	29.371538362764	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31367.657278895	Sum of GTIs [s]
livetime	30957.815744013	Livetime [s]
ontime0	31367.534179091	Sum of GTIs [s]
ontime1	31370.7162292	Sum of GTIs [s]
ontime2	31367.616188884	Sum of GTIs [s]
ontime3	31367.657278895	Sum of GTIs [s]
ontime6	31367.493119001	Sum of GTIs [s]
l2events	115023	Number of level 2 events

