

# V&V Summary Report

## L2 ASCDS Version : 10.8

Observation 21702 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 2 2019

See axaff21702N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.08.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.068238434076

## Comments

One optional chip was dropped.

==

A spatial region 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 0 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:  
(289.30512, -33.68110), (289.30860, -33.67931), (289.26943, -33.62655),  
(289.26594, -33.62833).

seq_num	703830	Sequence number
obs_id	21702	Observation id
title	X-ray Emission from z=6 galaxies	Proposal title
observer	Ralph Kraft	Principal investigator
object	PLCKG004-19	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	289.275417	Observer's specified target RA [deg]
dec_targ	-33.539278	Observer's specified target Dec [deg]
ra_nom	289.29619011958	Nominal RA [deg]
dec_nom	-33.554089912243	Nominal Dec [deg]
roll_nom	301.72016267368	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36068.238434076	Sum of GTIs [s]
livetime	35596.980345884	Livetime [s]
ontime0	36071.256394625	Sum of GTIs [s]
ontime1	36065.015253425	Sum of GTIs [s]
ontime2	36071.338424563	Sum of GTIs [s]
ontime3	36068.238434076	Sum of GTIs [s]
l2events	110864	Number of level 2 events

