

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20521 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 27 2020

See axaff20521N003_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0693000621796

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 (~ 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: (49.27379,42.65221), (49.27747,42.65406), (49.22316,42.71281), (49.21948,42.71097).

seq_num	801735	Sequence number
obs_id	20521	Observation id
title	Unravelling gas clumping in the outskirts of the Perseus cluster	P
observer	Stephen Walker	Principal investigator
object	Perseus r200 NW	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.018333	Observer's specified target RA [deg]
dec_targ	42.683861	Observer's specified target Dec [deg]
ra_nom	49.017740459482	Nominal RA [deg]
dec_nom	42.687503511012	Nominal Dec [deg]
roll_nom	124.34004945259	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8069.3000621796	Sum of GTIs [s]
livetime	7963.8687163349	Livetime [s]
ontime0	8069.3000621796	Sum of GTIs [s]
ontime1	8069.3000621796	Sum of GTIs [s]
ontime2	8069.3000621796	Sum of GTIs [s]
ontime3	8069.3000621796	Sum of GTIs [s]
ontime6	8069.3000621796	Sum of GTIs [s]
l2events	28781	Number of level 2 events

