

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20296 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff20296N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1093000240326

Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:
(254.96775, -40.22041), (254.96694, -40.22307), (255.01132, -40.23099), (255.01510, -40.22886)

seq_num	502995	Sequence number
obs_id	20296	Observation id
title	Uncovering a new population of soft gamma-ray pulsars with Chandra	
observer	Pablo Saz Parkinson	Principal investigator
object	3FGL J1700.4-4019	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.0465	Observer's specified target RA [deg]
dec_targ	-40.275056	Observer's specified target Dec [deg]
ra_nom	255.04828155497	Nominal RA [deg]
dec_nom	-40.276059263626	Nominal Dec [deg]
roll_nom	76.816485028272	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3109.3000240326	Sum of GTIs [s]
livetime	3068.6747301852	Livetime [s]
ontime6	3109.3000240326	Sum of GTIs [s]
ontime7	3109.3000240326	Sum of GTIs [s]
ontime8	3106.159013629	Sum of GTIs [s]
l2events	17293	Number of level 2 events

