

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 21067 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff21067N003_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	31.049559238672

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:
(272.34565,-19.41457), (272.34998,-19.41471), (272.35467,-19.27531),
(272.35034,-19.27517).

seq_num	503021	Sequence number
obs_id	21067	Observation id
title	The wagging jet and the X-ray plerion of PSR J1809-1917	Proposal t
observer	George Pavlov	Principal investigator
object	PSR J1809-1917	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.429583	Observer's specified target RA [deg]
dec_targ	-19.293917	Observer's specified target Dec [deg]
ra_nom	272.4315916744	Nominal RA [deg]
dec_nom	-19.281848082044	Nominal Dec [deg]
roll_nom	88.200666719427	Nominal Roll [deg]
revision	3	Processing version of data
ontime	31049.559238672	Sum of GTIs [s]
livetime	30643.873888866	Livetime [s]
ontime0	31046.418198586	Sum of GTIs [s]
ontime1	31052.700238943	Sum of GTIs [s]
ontime2	31049.559238791	Sum of GTIs [s]
ontime3	31049.559238672	Sum of GTIs [s]
ontime7	31052.700238943	Sum of GTIs [s]
l2events	221288	Number of level 2 events

