

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4501 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Oct 7 2020

See axaff04501N004_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.353

Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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:
(307.87435,41.48504), (307.87358,41.48154), (307.90301,41.47785), (307.90378,41.48134).

seq_num	200270	Sequence number
obs_id	4501	Observation id
title	Cosmic Ray Acceleration and Non-thermal X-rays in Cyg OB2	Proposal
observer	Dr. Yousaf Butt	Principal investigator
object	Cygnus OB2 North West	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.029167	Observer's specified target RA [deg]
dec_targ	41.508333	Observer's specified target Dec [deg]
ra_nom	308.0269486716	Nominal RA [deg]
dec_nom	41.513206062996	Nominal Dec [deg]
roll_nom	170.3956212987	Nominal Roll [deg]
revision	6	Processing version of data
ontime	49353.517925292	Sum of GTIs [s]
livetime	48728.573964201	Livetime [s]
ontime0	49356.758945376	Sum of GTIs [s]
ontime1	49350.276984811	Sum of GTIs [s]
ontime2	49350.276974916	Sum of GTIs [s]
ontime3	49353.517925292	Sum of GTIs [s]
ontime7	49359.99981612	Sum of GTIs [s]
ontime8	49353.517955154	Sum of GTIs [s]
l2events	476224	Number of level 2 events

