

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 21068 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 25 2020

See [axaff21068N003_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	Repr+DD
V&V Charge Time	33.565868768573

Comments

SAP Team: Please reprocess using replacement bias file for chip 0, and also without slot 6 per earlier processings.

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The bias map for CCD_ID = 0 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the 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_ID = 0 will be recreated to remove this anomaly and the data will be reprocessed.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

seq_num	601423	Sequence number
obs_id	21068	Observation id
title	Revealing the Formation Mechanism of Ultra-Diffuse Galaxies	Propos
observer	Gordon Garmire	Principal investigator
object	Dragonfly 44	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.241667	Observer's specified target RA [deg]
dec_targ	26.976389	Observer's specified target Dec [deg]
ra_nom	195.23775625345	Nominal RA [deg]
dec_nom	26.977690731118	Nominal Dec [deg]
roll_nom	180.31211939183	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33565.868774056	Sum of GTIs [s]
liveltime	33127.30598769	Livetime [s]
ontime0	33575.168794155	Sum of GTIs [s]
ontime1	33578.350884557	Sum of GTIs [s]
ontime2	33572.109773993	Sum of GTIs [s]
ontime3	33565.868774056	Sum of GTIs [s]
l2events	90708	Number of level 2 events

