

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 21045 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See axaff21045N003\_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	29.272377637863

## Comments

Two optional chips were dropped.

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The guide stars in slots 4 and 6 were removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of these slots from the solution.

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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: (184.38939,29.20432), (184.39264,29.20393), (184.39880,29.24370), (184.39534,29.24273).

seq_num	703409	Sequence number
obs_id	21045	Observation id
title	Continued Quasar and AGN Variability on 10-100 kyr Timescales	Prop
observer	Walter Maksym	Principal investigator
object	UGC 7342	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.580417	Observer's specified target RA [deg]
dec_targ	29.253611	Observer's specified target Dec [deg]
ra_nom	184.58107155663	Nominal RA [deg]
dec_nom	29.254818247463	Nominal Dec [deg]
roll_nom	172.1609405923	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29272.377638817	Sum of GTIs [s]
livetime	28889.912474955	Livetime [s]
ontime3	29272.29555881	Sum of GTIs [s]
ontime6	29272.336598873	Sum of GTIs [s]
ontime7	29272.377638817	Sum of GTIs [s]
l2events	160808	Number of level 2 events

