

# V&V Summary Report

## L2 ASCDS Version : 10.9

Observation 23350 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 10 2020

See [axaff23350N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.08.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.058464137077

## Comments

The guide star in slot 4 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.

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 ( $\sim 20$  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: (308.39725,9.74491), (308.40067,9.74602), (308.35641,9.87865), (308.35299,9.87755).

seq_num	704058	Sequence number
obs_id	23350	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	SWIFT J2033.1+0991	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.414368	Observer's specified target RA [deg]
dec_targ	9.826031	Observer's specified target Dec [deg]
ra_nom	308.41404667322	Nominal RA [deg]
dec_nom	9.8266421285661	Nominal Dec [deg]
roll_nom	198.14785286617	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10058.464137077	Sum of GTIs [s]
livetime	9927.0428981928	Livetime [s]
ontime5	10058.423097134	Sum of GTIs [s]
ontime6	10055.240966797	Sum of GTIs [s]
ontime7	10058.464137077	Sum of GTIs [s]
ontime8	10055.199947119	Sum of GTIs [s]
l2events	118554	Number of level 2 events

