

# V&V Summary Report

## L2 ASCDS Version : 10.9.1

Observation 5014 - L2 Version 6  
Chandra X-Ray Center

L2 Processing Date : Oct 7 2020

See axaff05014N004\_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	33.145

## Comments

A spatial region of the original bias map for CCD = 0 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 = 0 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: (186.69075,33.33754), (186.70299,33.33919), (186.69174,33.39637), (186.68045,33.38987).

seq_num	800457	Sequence number
obs_id	5014	Observation id
title	Cluster studies: Determination of H0/q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	CIG J1226+3332	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.7425	Observer's specified target RA [deg]
dec_targ	33.546667	Observer's specified target Dec [deg]
ra_nom	186.7468547862	Nominal RA [deg]
dec_nom	33.493856987714	Nominal Dec [deg]
roll_nom	279.30708063994	Nominal Roll [deg]
revision	6	Processing version of data
ontime	33145.158975989	Sum of GTIs [s]
livetime	32712.093072856	Livetime [s]
ontime0	33148.299936235	Sum of GTIs [s]
ontime1	33142.017995834	Sum of GTIs [s]
ontime2	33142.018005729	Sum of GTIs [s]
ontime3	33145.158975989	Sum of GTIs [s]
ontime6	33135.736055315	Sum of GTIs [s]
l2events	85046	Number of level 2 events

