

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 13299 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

See [axaff13299N001\\_VV002\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	4.88644225281477

## Comments

The bias map for CCD\_ID = 2 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly.

This bias map cannot be repaired because no bias map taken with the same temperature and instrument configuration exists. There is no suitable replacement data for the affected pixels.

seq_num	600987	Sequence number
obs_id	13299	Observation id
title	Black Hole X-ray Novae in M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31	Source name
dtcycle	0	&#160
cycle	P	events are from which exps? P[primary] S[econdar
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.679660250157	Nominal RA [deg]
dec_nom	41.275924447929	Nominal Dec [deg]
roll_nom	102.36330548029	Nominal Roll [deg]
revision	1	Processing version of data
ontime	925.79330456257	Sum of GTIs [s]
livetime	145.7421977293	Livetime [s]
ontime0	925.79330456257	Sum of GTIs [s]
ontime1	925.79330456257	Sum of GTIs [s]
ontime2	925.79330456257	Sum of GTIs [s]
ontime3	925.79330456257	Sum of GTIs [s]
ontime6	925.79330456257	Sum of GTIs [s]
ontime7	925.79330456257	Sum of GTIs [s]
l2events	2106	Number of level 2 events

