

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 19416 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 16 2018

See axaff19416N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0621390589476

## Comments

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: (185.64442,11.71045), (185.64698,11.71185), (185.57736,11.83371), (185.57480,11.83231).

seq_num	601373	Sequence number
obs_id	19416	Observation id
title	Spiral galaxies of the Virgo cluster	Proposal title
observer	Roberto Soria	Principal investigator
object	NGC 4313	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.660417	Observer's specified target RA [deg]
dec_targ	11.800944	Observer's specified target Dec [deg]
ra_nom	185.65847805072	Nominal RA [deg]
dec_nom	11.794356622702	Nominal Dec [deg]
roll_nom	209.15694297308	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8062.1390589476	Sum of GTIs [s]
livetime	7956.801276882	Livetime [s]
ontime5	8062.0980190039	Sum of GTIs [s]
ontime6	8062.056978941	Sum of GTIs [s]
ontime7	8062.1390589476	Sum of GTIs [s]
ontime8	8062.0159389973	Sum of GTIs [s]
l2events	89327	Number of level 2 events

