

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 20105 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 10 2017

See [axaff20105N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.504000469446

Comments

A spatial region of the original bias map for CCD = 4 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 = 4 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:

(48.80009, -66.35306), (48.82890, -66.36130), (48.94561, -66.29548),
(48.95025, -66.26835).

seq_num	401882	Sequence number
obs_id	20105	Observation id
title	HETG Spectroscopy of the Ultra-Luminous X-ray Source NGC 1313 X-1	
observer	Claude Canizares	Principal investigator
object	NGC 1313 X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.583333	Observer's specified target RA [deg]
dec_targ	-66.486389	Observer's specified target Dec [deg]
ra_nom	49.573351438175	Nominal RA [deg]
dec_nom	-66.487994200678	Nominal Dec [deg]
roll_nom	145.14746532955	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31504.000469446	Sum of GTIs [s]
livetime	31105.07784607	Livetime [s]
ontime4	31504.000469446	Sum of GTIs [s]
ontime5	31504.000469446	Sum of GTIs [s]
ontime6	31504.000469446	Sum of GTIs [s]
ontime7	31504.000469446	Sum of GTIs [s]
ontime8	31503.99924612	Sum of GTIs [s]
ontime9	31503.958206177	Sum of GTIs [s]
l2events	377516	Number of level 2 events

