

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 19373 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Oct 25 2020

See [axaff19373N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.065700077534

## 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. In this case, the bias map for CCD = 6 could not be improved because no suitable data at a compatible temperature and time range are available to use as replacement values. The bias map used in this processing is the original bias map telemetered with the observation.

seq_num	601330	Sequence number
obs_id	19373	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 3780	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.843333	Observer's specified target RA [deg]
dec_targ	56.270722	Observer's specified target Dec [deg]
ra_nom	174.84320683739	Nominal RA [deg]
dec_nom	56.271930942671	Nominal Dec [deg]
roll_nom	221.39180162973	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10065.700077534	Sum of GTIs [s]
livetime	9934.1842957602	Livetime [s]
ontime2	10065.700077534	Sum of GTIs [s]
ontime3	10065.700077534	Sum of GTIs [s]
ontime6	10065.700077534	Sum of GTIs [s]
ontime7	10065.700077534	Sum of GTIs [s]
l2events	60004	Number of level 2 events

