

V&V Summary Report

L2 ASCDS Version : 10.6.4

Observation 20158 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 31 2018

See [axaff20158N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.07.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.646400277853

Comments

The bias map for CCD_ID = 4 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file that is 10 pixels wide in the column direction. 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 (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. It is possible to correct this anomaly using scaled replacement values from another matching bias file, but this replacement is only done routinely for anomalies that are 20 pixels wide or more.

seq_num	201176	Sequence number
obs_id	20158	Observation id
title	Legacy HETG Spectrum of a Massive Star: zeta Pup	Proposal title
observer	Wayne Waldron	Principal investigator
object	zeta Pup	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.895833	Observer's specified target RA [deg]
dec_targ	-40.003139	Observer's specified target Dec [deg]
ra_nom	120.88783170895	Nominal RA [deg]
dec_nom	-40.006879629024	Nominal Dec [deg]
roll_nom	167.15147056906	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18646.400277853	Sum of GTIs [s]
livetime	18410.288330021	Livetime [s]
ontime4	18646.400277853	Sum of GTIs [s]
ontime5	18646.400277853	Sum of GTIs [s]
ontime6	18646.400277853	Sum of GTIs [s]
ontime7	18646.400277853	Sum of GTIs [s]
ontime8	18646.400277853	Sum of GTIs [s]
ontime9	18646.400277853	Sum of GTIs [s]
l2events	245308	Number of level 2 events

