

# V&V Summary Report

## L2 ASCDS Version : 10.8

Observation 22076 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Sep 26 2019

See [axaff22076N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	76.114300585508

## Comments

ACIS T\_GAIN files released in CalDB 4.8.3 (23 May 2019) and CalDB 4.8.4 (03 September 2019) have errors in the T\_GAIN corrections for ACIS-I chips 0, 1, 2, and 3, and ACIS-S chip 6 (S2). All ACIS OBS\_IDs including those chips, which were processed (or reprocessed) in SDP between 2019-05-24T01:06:00 and 2019-09-06T17:31:43 with CalDB 4.8.3, 4.8.3.1, or 4.8.4, were affected. The errors in the T\_GAINs, which produce a 1%-2% reduction in the PHA and hence the ENERGY column values for dithered observations, result from alternating real value and zero value columns in CHIPX space across FI chips ACIS-0, 1, 2, 3, and 6. The error has been corrected in this version of the data products.

seq_num	201176	Sequence number
obs_id	22076	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	&#160
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	120.89008162402	Nominal RA [deg]
dec_nom	-40.006780841003	Nominal Dec [deg]
roll_nom	169.28242755284	Nominal Roll [deg]
revision	2	Processing version of data
ontime	76114.300585508	Sum of GTIs [s]
livetime	75119.811213826	Livetime [s]
ontime4	76111.15959537	Sum of GTIs [s]
ontime5	76114.300585508	Sum of GTIs [s]
ontime6	76111.159615278	Sum of GTIs [s]
ontime7	76114.300585508	Sum of GTIs [s]
ontime8	76108.018595219	Sum of GTIs [s]
l2events	950034	Number of level 2 events

