

V&V Summary Report

L2 ASCDS Version : 10.8

Observation 22276 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 27 2019

See [axaff22276N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25

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.

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Note: due to the brightness of the source, there is substantial telemetry saturation which makes the good-time-intervals sum to less than the nominal exposure time. The exposure duration did last for the intended 25 ks.

seq_num	402121	Sequence number
obs_id	22276	Observation id
title	HETG Study of Emission & Absorption Lines in X-ray Bursts from 4U 1820-30	Proposal title
observer	Craig Heinke	Principal investigator
object	4U 1820-30	Source name
ra_targ	275.91875	Observer's specified target RA [deg]
dec_targ	-30.361111	Observer's specified target Dec [deg]
ra_nom	275.92103304985	Nominal RA [deg]
dec_nom	-30.359428672883	Nominal Dec [deg]
roll_nom	306.15777897149	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13701.484887838	Sum of GTIs [s]
livetime	13647.963462495	Livetime [s]
ontime5	17361.070565701	Sum of GTIs [s]
ontime6	9538.2801325321	Sum of GTIs [s]
ontime7	13701.484887838	Sum of GTIs [s]
ontime8	10799.004414797	Sum of GTIs [s]
ontime9	11340.498367906	Sum of GTIs [s]
l2events	2062155	Number of level 2 events

