

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4681 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 23 2020

See axaff04681N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.129

Comments

Charge time for this ObsId remains at previous value of 5.129 ks, although with the current processing the charge time would be 5.120 ks.

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This is an interleave mode observation. There is a short observation of 0.6 s followed by a longer observation of 3.2 s. This cycle repeats throughout the observation. The livetime for the shorter observation, e1, is about 153.19s instead of 973.14s for each chip because the use of a 0.6 s frame time for the selection of chips and rows used during the observation is shorter than the time it takes to read out one frame of data. The frame time must be at least 0.7 s to avoid 'flushing' the detector before each frame of data is collected. The second, longer, observation does not have a short livetime because the exposure time is 3.2 s.

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Window constraint satisfied.

seq_num	600336	Sequence number
obs_id	4681	Observation id
title	Searching for Black Hole X-ray Nova in M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 Center	Source name
dtcycle	0	
cycle	P	events are from which exps? P[primary] S[econdar
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.68768809854	Nominal RA [deg]
dec_nom	41.257615853167	Nominal Dec [deg]
roll_nom	305.5460162186	Nominal Roll [deg]
revision	4	Processing version of data
ontime	973.13508662581	Sum of GTIs [s]
livetime	153.19493618432	Livetime [s]
ontime0	973.13508662581	Sum of GTIs [s]
ontime1	973.13508662581	Sum of GTIs [s]
ontime2	973.13508662581	Sum of GTIs [s]
ontime3	973.13508662581	Sum of GTIs [s]
ontime6	973.12210425735	Sum of GTIs [s]
ontime7	973.13508662581	Sum of GTIs [s]
l2events	2284	Number of level 2 events

