

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 9638 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 14 2012

See [axaff09638N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.54

Comments

Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates ($x=4128.75$, $y=4073.82$) into the `*src1a.fits` file table. These corrected coordinates were determined using a software tool developed by CXC called `findzero`, which is expected to be released in CIAO (currently in ISIS). The tool calculates the point of intersection of the readout streak and the meg arm (preferred position), or the readout streak and the heg arm. The zeroth order source position determined by the standard pipeline processing using the tool `tgdetect` was not used in this processing. The newly determined zeroth order coordinates have been placed in the `*src1a.fits` file, replacing the coordinates determined by `tgdetect`. Note that these corrected coordinates of the zeroth order cannot be reproduced by running `tgdetect` on the data.

seq_num	290761	Sequence number
obs_id	9638	Observation id
title	AO9 Calibration Observations of Capella	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.17625	Observer's specified target RA [deg]
dec_targ	45.997889	Observer's specified target Dec [deg]
ra_nom	79.178921625595	Nominal RA [deg]
dec_nom	46.000113894816	Nominal Dec [deg]
roll_nom	291.87375857213	Nominal Roll [deg]
revision	3	Processing version of data
ontime	31540.0	Sum of GTIs [s]
livetime	31030.601643421	Livetime [s]
ontime4	31540.0	Sum of GTIs [s]
ontime5	31540.0	Sum of GTIs [s]
ontime6	31540.0	Sum of GTIs [s]
ontime7	31540.0	Sum of GTIs [s]
ontime8	31537.458999753	Sum of GTIs [s]
ontime9	31540.0	Sum of GTIs [s]
l2events	504677	Number of level 2 events

