

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1943 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See [axaff01943N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.776

Comments

Due to the width of the subarray chosen, the lower energy ranges of the dispersed spectra are truncated.

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Zeroth order piled up and cratered. 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=4123.5, y=4071.71) 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 as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg 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.

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Phase constraint met. Spectrum shows in image of bad events. This means that there is pileup in the dispersed spectrum.

seq_num	400156	Sequence number
obs_id	1943	Observation id
title	THE WIND AND ACCRETION DISK IN CEN X-3/V779 CEN	Proposal title
observer	Dr. Patrick Wojdowski	Principal investigator
object	CEN X-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.313333	Observer's specified target RA [deg]
dec_targ	-60.623333	Observer's specified target Dec [deg]
ra_nom	170.32044778642	Nominal RA [deg]
dec_nom	-60.620421667975	Nominal Dec [deg]
roll_nom	62.562583601149	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46776.59989278	Sum of GTIs [s]
livetime	45345.090273679	Livetime [s]
ontime4	46776.59989278	Sum of GTIs [s]
ontime5	46776.59989278	Sum of GTIs [s]
ontime6	46776.59989278	Sum of GTIs [s]
ontime7	46776.59989278	Sum of GTIs [s]
ontime8	46776.59989278	Sum of GTIs [s]
ontime9	46776.59989278	Sum of GTIs [s]
l2events	3419389	Number of level 2 events

