

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 425 - L2 Version 8
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

See axaff00425N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.533

Comments

Charge time for this ObsId remains at previous value of 21.533 k, although with the current processing the charge time would be 21.654 ks.

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This is an interleaved-mode observation. The primary exposure (e1) is shorter than the secondary exposure (e2). Therefore the longer exposure was used to determine the zeroth order position, then that position was applied to both exposures.

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=4117.84, y=4029.27) into the *srcla.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 *srcla.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	400092	Sequence number
obs_id	425	Observation id
title	TOO OBSERVATION OF THE RELATIVISTIC JET SOURCE CYGNUS X-3	Proposal
observer	Dr. Michael McCollough	Principal investigator
object	CYG X-3	Source name
dtcycle	0	
cycle	P	events are from which exps? P[rimary] S[econdar]
ra_targ	308.10625	Observer's specified target RA [deg]
dec_targ	40.957694	Observer's specified target Dec [deg]
ra_nom	308.11126392546	Nominal RA [deg]
dec_nom	40.966982683722	Nominal Dec [deg]
roll_nom	78.398482528091	Nominal Roll [deg]
revision	8	Processing version of data
ontime	2694.4717644006	Sum of GTIs [s]
livetime	385.82479562797	Livetime [s]
ontime5	2694.4717644006	Sum of GTIs [s]
ontime6	2694.4717644006	Sum of GTIs [s]
ontime7	2694.4717644006	Sum of GTIs [s]
ontime8	2694.4717644006	Sum of GTIs [s]
l2events	45707	Number of level 2 events

