

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 4430 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 5 2012

See axaff04430N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.6

## 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 ( $x=4089.096$ ,  $y=4082.696$ ) into the \*src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called tg\_findzo, available in CIAO. 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.

seq_num	790087	Sequence number
obs_id	4430	Observation id
title	AO4 CALIBRATION OBSERVATIONS OF 3C273	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	3C273	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.277917	Observer's specified target RA [deg]
dec_targ	2.052389	Observer's specified target Dec [deg]
ra_nom	187.27693528529	Nominal RA [deg]
dec_nom	2.0543791034557	Nominal Dec [deg]
roll_nom	247.6364664146	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27600.0	Sum of GTIs [s]
livetime	27154.236060825	Livetime [s]
ontime4	27600.0	Sum of GTIs [s]
ontime5	27600.0	Sum of GTIs [s]
ontime6	27600.0	Sum of GTIs [s]
ontime7	27600.0	Sum of GTIs [s]
ontime8	27600.0	Sum of GTIs [s]
ontime9	27600.0	Sum of GTIs [s]
l2events	317323	Number of level 2 events

