

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 3574 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 9 2012

See axaff03574N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.941

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=4150.96, y=3952.87) 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. In this case, the findzo option to use initial guess coordinates was used. 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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Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in tg_resolve_events (osipfile=none, osort_lo, osort_hi ~0.5) though this can allow more zeroth order background at short wavelengths.

seq_num	790077	Sequence number
obs_id	3574	Observation id
title	AO4 CALIBRATION OBSERVATIONS OF 3C273	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	3C273	Source name
dtcycle	0	
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	187.28534695994	Nominal RA [deg]
dec_nom	2.0720503891202	Nominal Dec [deg]
roll_nom	244.86843741592	Nominal Roll [deg]
revision	3	Processing version of data
ontime	28941.499507129	Sum of GTIs [s]
livetime	27338.672210664	Livetime [s]
ontime4	28941.499507129	Sum of GTIs [s]
ontime5	28941.499507129	Sum of GTIs [s]
ontime6	28941.499507129	Sum of GTIs [s]
ontime7	28941.499507129	Sum of GTIs [s]
ontime8	28941.499507129	Sum of GTIs [s]
ontime9	28941.499507129	Sum of GTIs [s]
l2events	174131	Number of level 2 events

