

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 3089 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

See axaff03089N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	84.665

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=4069.34, y=4162.51) 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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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.

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seq_num	700528	Sequence number
obs_id	3089	Observation id
title	PROBING THE HOT AGN OUTFLOW IN NGC 4151	Proposal title
observer	Dr. Patrick Ogle	Principal investigator
object	NGC 4151	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.635833	Observer's specified target RA [deg]
dec_targ	39.405722	Observer's specified target Dec [deg]
ra_nom	182.63091295797	Nominal RA [deg]
dec_nom	39.396802826734	Nominal Dec [deg]
roll_nom	257.05619537013	Nominal Roll [deg]
revision	3	Processing version of data
ontime	84662.317783982	Sum of GTIs [s]
livetime	83590.272538673	Livetime [s]
ontime4	84659.076803774	Sum of GTIs [s]
ontime5	84668.799684584	Sum of GTIs [s]
ontime6	84659.076773882	Sum of GTIs [s]
ontime7	84662.317783982	Sum of GTIs [s]
ontime8	84668.799684584	Sum of GTIs [s]
ontime9	84668.799684584	Sum of GTIs [s]
l2events	1083986	Number of level 2 events

