

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 7830 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

See [axaff07830N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.145

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 ($x=4115.43$, $y=4126.79$) 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 (currently in ISIS). The tool calculates the point of intersection of the readout streak and the meg arm (preferred position), or the readout streak and the heg 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	701494	Sequence number
obs_id	7830	Observation id
title	Probing the Disk-Wind Connection in the Seyfert Galaxy NGC 4151	Pr
observer	Dr. Steven Kraemer	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	182.63917155734	Nominal RA [deg]
dec_nom	39.401615810785	Nominal Dec [deg]
roll_nom	270.51725242404	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50145.0	Sum of GTIs [s]
livetime	49335.114756163	Livetime [s]
ontime4	50145.0	Sum of GTIs [s]
ontime5	50145.0	Sum of GTIs [s]
ontime6	50145.0	Sum of GTIs [s]
ontime7	50145.0	Sum of GTIs [s]
ontime8	50145.0	Sum of GTIs [s]
ontime9	50145.0	Sum of GTIs [s]
l2events	724072	Number of level 2 events

