

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 3167 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2012

See axaff03167N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.135

## 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=4079.49, y=4090.22) 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	790061	Sequence number
obs_id	3167	Observation id
title	AO3 CALIBRATION OBSERVATIONS OF PKS2155-304	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS2155-304	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.716667	Observer's specified target RA [deg]
dec_targ	-30.225556	Observer's specified target Dec [deg]
ra_nom	329.7142944037	Nominal RA [deg]
dec_nom	-30.224729208904	Nominal Dec [deg]
roll_nom	288.25907708593	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30132.5	Sum of GTIs [s]
livetime	29645.833989233	Livetime [s]
ontime4	30132.5	Sum of GTIs [s]
ontime5	30132.5	Sum of GTIs [s]
ontime6	30129.959009841	Sum of GTIs [s]
ontime7	30132.5	Sum of GTIs [s]
ontime8	30132.5	Sum of GTIs [s]
ontime9	30132.5	Sum of GTIs [s]
l2events	386587	Number of level 2 events

