

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 10663 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

See axaff10663N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1275

## Comments

Note: HEG and MEG spectra show faintly in bad-events image, meaning pileup might be an issue. 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=4086.53, y=4116.7) 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	790200	Sequence number
obs_id	10663	Observation id
title	AO-10 Calibration Observations of PKS2155-304	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Mkn421	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.113333	Observer's specified target RA [deg]
dec_targ	38.208806	Observer's specified target Dec [deg]
ra_nom	166.11208945834	Nominal RA [deg]
dec_nom	38.206085452387	Nominal Dec [deg]
roll_nom	187.15743680009	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15127.5	Sum of GTIs [s]
livetime	14883.17775399	Livetime [s]
ontime4	15127.5	Sum of GTIs [s]
ontime5	15127.5	Sum of GTIs [s]
ontime6	15127.5	Sum of GTIs [s]
ontime7	15127.5	Sum of GTIs [s]
ontime8	15127.5	Sum of GTIs [s]
ontime9	15127.5	Sum of GTIs [s]
l2events	757393	Number of level 2 events

