

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 5955 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 28 2012

See [axaff05955N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.1475

## 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 ( $x=4101.29$ ,  $y=4084.21$ ) into the `*src1a.fits` file table. These corrected coordinates were determined using a software tool developed by CXC called `tg_findzo`, available in CIAO. 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.

seq_num	290447	Sequence number
obs_id	5955	Observation id
title	AO6 Calibration Observations of Capella	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.17625	Observer's specified target RA [deg]
dec_targ	45.997889	Observer's specified target Dec [deg]
ra_nom	79.17347726359	Nominal RA [deg]
dec_nom	45.999013541189	Nominal Dec [deg]
roll_nom	281.22697457647	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29147.5	Sum of GTIs [s]
livetime	28676.742593584	Livetime [s]
ontime4	29147.5	Sum of GTIs [s]
ontime5	29147.5	Sum of GTIs [s]
ontime6	29144.959009796	Sum of GTIs [s]
ontime7	29147.5	Sum of GTIs [s]
ontime8	29147.5	Sum of GTIs [s]
ontime9	29147.5	Sum of GTIs [s]
l2events	355185	Number of level 2 events

