

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1601 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 18 2012

See axaff01601N002-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	52.16

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 ($x=4075.78$, $y=4099.05$) 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.

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Roll constraint of 307 +/-1 degrees not met, although observer later agreed to a +/- 5 degree tolerance. Roll for this observation is 301 degrees.

seq_num	700217	Sequence number
obs_id	1601	Observation id
title	A HIGH RESOLUTION X-RAY SPECTRUM OF THE NUCLEUS OF CENTAURUS A	Pro
observer	Dr. Stephen Murray	Principal investigator
object	CENTAURUS A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.364167	Observer's specified target RA [deg]
dec_targ	-43.019722	Observer's specified target Dec [deg]
ra_nom	201.36119967747	Nominal RA [deg]
dec_nom	-43.019430370276	Nominal Dec [deg]
roll_nom	301.15360321865	Nominal Roll [deg]
revision	3	Processing version of data
ontime	52172.800048575	Sum of GTIs [s]
livetime	51512.156639671	Livetime [s]
ontime4	52172.800048575	Sum of GTIs [s]
ontime5	52172.800048575	Sum of GTIs [s]
ontime6	52172.800048575	Sum of GTIs [s]
ontime7	52172.800048575	Sum of GTIs [s]
ontime8	52169.559058398	Sum of GTIs [s]
ontime9	52172.800048575	Sum of GTIs [s]
l2events	668883	Number of level 2 events

