

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 671 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff00671N003_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	39.95

Comments

Roll constraint met.

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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=4095.89, y=4169.8) 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 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 *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	400038	Sequence number
obs_id	671	Observation id
title	HIGH RESOLUTION SPECTROSCOPY OF THE ACCRETION DISK CORONA SOURCE 4U 1822-37	Proposal title
observer	PROF. STEVEN KAHN	Principal investigator
object	4U 1822-37	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.444583	Observer's specified target RA [deg]
dec_targ	-37.10525	Observer's specified target Dec [deg]
ra_nom	276.4449473195	Nominal RA [deg]
dec_nom	-37.115172876645	Nominal Dec [deg]
roll_nom	282.10414806767	Nominal Roll [deg]
revision	5	Processing version of data
ontime	39947.944246218	Sum of GTIs [s]
livetime	39442.099322408	Livetime [s]
ontime4	39947.985286236	Sum of GTIs [s]
ontime5	39947.903176308	Sum of GTIs [s]
ontime6	39951.103126466	Sum of GTIs [s]
ontime7	39947.944246218	Sum of GTIs [s]
ontime8	39944.58031553	Sum of GTIs [s]
ontime9	39938.057195514	Sum of GTIs [s]
l2events	649586	Number of level 2 events

