

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 703 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See [axaff00703N003_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	21.188

Comments

Standard data processing software did not correctly locate the zeroth order because a spatial exclusion window was used to block the zeroth order image. Manual intervention was used to input the correct sky coordinates ($x=4082.2$, $y=4122.36$) 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 (currently in ISIS). 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	400070	Sequence number
obs_id	703	Observation id
title	HIGH RESOLUTION X-RAY SPECTROSCOPY OF COMPACT BINARIES	Proposal ti
observer	Dr. Saeqa Vrtilek	Principal investigator
object	4U 1728-16	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.934125	Observer's specified target RA [deg]
dec_targ	-16.961439	Observer's specified target Dec [deg]
ra_nom	262.93183824092	Nominal RA [deg]
dec_nom	-16.965522366917	Nominal Dec [deg]
roll_nom	264.59238909922	Nominal Roll [deg]
revision	6	Processing version of data
ontime	21187.799964935	Sum of GTIs [s]
livetime	20715.486864426	Livetime [s]
ontime4	21187.799964935	Sum of GTIs [s]
ontime5	21187.799964935	Sum of GTIs [s]
ontime6	21187.799964935	Sum of GTIs [s]
ontime7	21187.799964935	Sum of GTIs [s]
ontime8	21187.799964935	Sum of GTIs [s]
ontime9	21187.799964935	Sum of GTIs [s]
l2events	2663143	Number of level 2 events

