

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 704 - L2 Version 7
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff00704N003_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	24.908

Comments

Roll constraint met.

===

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=4130.98, y=4099.23) 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. 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	400071	Sequence number
obs_id	704	Observation id
title	HIGH RESOLUTION X-RAY SPECTROSCOPY OF COMPACT BINARIES	Proposal ti
observer	Dr. Saeqa Vrtilek	Principal investigator
object	4U 1735-44	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.74275	Observer's specified target RA [deg]
dec_targ	-44.450036	Observer's specified target Dec [deg]
ra_nom	264.74926244484	Nominal RA [deg]
dec_nom	-44.450557916212	Nominal Dec [deg]
roll_nom	16.520652225629	Nominal Roll [deg]
revision	7	Processing version of data
ontime	24907.85844928	Sum of GTIs [s]
livetime	24352.618741964	Livetime [s]
ontime4	24904.217459112	Sum of GTIs [s]
ontime5	24907.817409277	Sum of GTIs [s]
ontime6	24905.935349196	Sum of GTIs [s]
ontime7	24907.85844928	Sum of GTIs [s]
ontime8	24907.735329285	Sum of GTIs [s]
ontime9	24902.171288878	Sum of GTIs [s]
l2events	2234315	Number of level 2 events

