

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1700 - L2 Version 7
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff01700N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.322

Comments

Chip ACIS-S4 suffers from an unusually large amplitude of streaks of instrumental origin. The user may want to run the CIAO tool 'destreak' on the Level 2 event data. When using destreak, note that setting 'max' to 1, especially for gratings data, may remove a large fraction of the data. Users should check the output 'timefile' to see what percent of the data was removed. See the CIAO help file for more details.

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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=4114.83, y=4126.58) 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 spectral 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	400073	Sequence number
obs_id	1700	Observation id
title	HETG ZERO PHASE SPECTROSCOPY OF CIRCINUS X-1	Proposal title
observer	Prof. William Brandt	Principal investigator
object	CIR X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	230.170833	Observer's specified target RA [deg]
dec_targ	-57.166667	Observer's specified target Dec [deg]
ra_nom	230.17479370692	Nominal RA [deg]
dec_nom	-57.170814806839	Nominal Dec [deg]
roll_nom	319.79078376746	Nominal Roll [deg]
revision	7	Processing version of data
ontime	15322.100026846	Sum of GTIs [s]
livetime	14960.925679845	Livetime [s]
ontime5	15322.100026846	Sum of GTIs [s]
ontime6	15322.100026846	Sum of GTIs [s]
ontime7	15322.100026846	Sum of GTIs [s]
ontime8	15322.100026846	Sum of GTIs [s]
l2events	1363109	Number of level 2 events

