

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 1700 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Jul 23 2007

See [axaff01700N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.322

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=4114.77, y=4126.60) 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 (preferred position), or the readout streak and the heg 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. Both the meg and heg spectral arms are piled up.=====
Destreaking algorithm run on level 1 data in the pipeline was not completely effective. Data may benefit from running the destreak tool again on level 2 data.

seq_num	400073
obs_id	1700
title	HETG ZERO PHASE SPECTROSCOPY OF CIRCINUS X-1
observer	Prof. William Brandt
object	CIR X-1
dtcycle	0
cycle	P
ra_targ	230.170833
dec_targ	-57.166667
ra_nom	230.17479370692
dec_nom	-57.170814806839
roll_nom	319.79078376746
revision	6
ontime	15322.100026861
livetime	14960.92567986
ontime5	15322.100026861
ontime6	15322.100026861
ontime7	15322.100026861
ontime8	15322.100026861
l2events	1360512

