

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13719 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 1 2012

See axaff13719N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.739151643336

## Comments

Phase 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=4093.86, y=4074.14) 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.

seq_num	401405	Sequence number
obs_id	13719	Observation id
title	Measuring Emission Geometry, Interstellar Dust, and Distance with Chandra HETGS Observations of EXO 2030+375	Proposal title
observer	Dr. Jingen Xiang	Principal investigator
object	EXO 2030+375	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.06375	Observer's specified target RA [deg]
dec_targ	37.637472	Observer's specified target Dec [deg]
ra_nom	308.06319738123	Nominal RA [deg]
dec_nom	37.640465471644	Nominal Dec [deg]
roll_nom	40.819870316793	Nominal Roll [deg]
revision	2	Processing version of data
ontime	55739.151643336	Sum of GTIs [s]
livetime	54425.261793911	Livetime [s]
ontime5	55739.110603333	Sum of GTIs [s]
ontime6	55737.3285532	Sum of GTIs [s]
ontime7	55739.151643336	Sum of GTIs [s]
ontime8	55739.028523326	Sum of GTIs [s]
l2events	1114809	Number of level 2 events

