

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 9571 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

See [axaff09571N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.0879998

Comments

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 ($x=4073.33$, $y=4074.03$) 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	400618	Sequence number
obs_id	9571	Observation id
title	A Chandra HETGS Study of LMC X-4 : Binary Disk and Wind Properties and Studies of Grain Distribution at Small Angles	Proposal title
observer	Prof. Julia Lee	Principal investigator
object	LMC X-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.2075	Observer's specified target RA [deg]
dec_targ	-66.3705	Observer's specified target Dec [deg]
ra_nom	83.19855188842	Nominal RA [deg]
dec_nom	-66.367235444348	Nominal Dec [deg]
roll_nom	106.14843117424	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47087.438435614	Sum of GTIs [s]
livetime	46491.188937491	Livetime [s]
ontime4	47087.479475617	Sum of GTIs [s]
ontime5	47087.397395611	Sum of GTIs [s]
ontime6	47087.356355608	Sum of GTIs [s]
ontime7	47087.438435614	Sum of GTIs [s]
ontime8	47087.315315604	Sum of GTIs [s]
ontime9	47087.274275601	Sum of GTIs [s]
l2events	805669	Number of level 2 events

