## V&V Summary Report L2 ASCDS Version: 8.4.5

Observation 12071 - L2 Version 3 Chandra X-Ray Center

L2 Processing Date : Jun 19 2012

See axaff12071N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1870999706984

## 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=4131.55, y=4090.48) 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	401109	Sequence number
obs_id	12071	Observation id
title	Deep Chandra Observations of the Black Hole LMC X-1	Proposal title
observer	Dr. Michael Nowak	Principal investigator
object	LMC X-1	Source name
dtycycle	0	<b>%</b> #160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.911667	Observer's specified target RA [deg]
dec_targ	-69.74325	Observer's specified target Dec [deg]
ra_nom	84.925579247986	Nominal RA [deg]
dec_nom	-69.742363743089	Nominal Dec [deg]
roll_nom	339.16965753099	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4187.0999706984	Sum of GTIs [s]
livetime	4088.4011568874	Livetime [s]
ontime4	4187.0999706984	Sum of GTIs [s]
ontime5	4187.0999706984	Sum of GTIs [s]
ontime6	4187.0999706984	Sum of GTIs [s]
ontime7	4187.0999706984	Sum of GTIs [s]
ontime8	4185.3589305282	Sum of GTIs [s]
ontime9	4187.0999706984	Sum of GTIs [s]
12events	104976	Number of level 2 events

