

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 12070 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jun 19 2012

See axaff12070N003_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	17.771799875438

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 ($x=4130.63$, $y=4090.09$) into the *srcla.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 *srcla.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	12070	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
dtcycle	0	
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	84.925301672938	Nominal RA [deg]
dec_nom	-69.742335455396	Nominal Dec [deg]
roll_nom	339.16940834764	Nominal Roll [deg]
revision	3	Processing version of data
ontime	17771.799875438	Sum of GTIs [s]
livetime	17352.880914996	Livetime [s]
ontime4	17771.799875438	Sum of GTIs [s]
ontime5	17771.799875438	Sum of GTIs [s]
ontime6	17771.799875438	Sum of GTIs [s]
ontime7	17771.799875438	Sum of GTIs [s]
ontime8	17771.799875438	Sum of GTIs [s]
ontime9	17771.799875438	Sum of GTIs [s]
l2events	445772	Number of level 2 events

