

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 11987 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

See axaff11987N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.070063919604

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 ($x=4131.57$, $y=4097.64$) 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	11987	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	84.925676683221	Nominal RA [deg]
dec_nom	-69.743386020012	Nominal Dec [deg]
roll_nom	326.66975798741	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19070.063917518	Sum of GTIs [s]
livetime	18620.542124121	Livetime [s]
ontime4	19070.104957521	Sum of GTIs [s]
ontime5	19070.022877514	Sum of GTIs [s]
ontime6	19069.981837511	Sum of GTIs [s]
ontime7	19070.063917518	Sum of GTIs [s]
ontime8	19069.940797508	Sum of GTIs [s]
ontime9	19069.899757504	Sum of GTIs [s]
l2events	414645	Number of level 2 events

