

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 712 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 9 2007

See axaff00712N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.312

## Comments

Zeroth order has flat-topped PSF. Standard data processing software did not correctly locate the zeroth order. Manual intervention was used to input the correct sky coordinates (x=32816.24; y=32887.40) 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 leg 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	400079
obs_id	712
title	TEMPORAL EVOLUTION OF TRANSIENT TYPE I BURSTERS IN QUIESCENCE
observer	PROF. LARS BILDSTEN
object	AQL X-1
ra_targ	287.816667
dec_targ	0.585111
ra_nom	287.81847200482
dec_nom	0.58062999880633
roll_nom	294.25591799269
revision	4
ontime	10314.831643805
livetime	10256.496088244
l2events	430229

