

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 3749 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 16 2012

See axaff03749N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	93.956

## 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=4059.6, y=4037.33) 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 as tg\_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg 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.

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A cluster of stars from Tr14 fall near the negative MEG spectral arm. The background spectrum in this region will probably be affected. Phase constraint met.

seq_num	200219	Sequence number
obs_id	3749	Observation id
title	UNVEILING ETA CAR: CHANDRA OBSERVATIONS DURING THE 2003.5 EVENT	Pr
observer	Dr Michael Corcoran	Principal investigator
object	ETA CARINAE	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.265	Observer's specified target RA [deg]
dec_targ	-59.684528	Observer's specified target Dec [deg]
ra_nom	161.25470442437	Nominal RA [deg]
dec_nom	-59.676360944333	Nominal Dec [deg]
roll_nom	132.60446266204	Nominal Roll [deg]
revision	3	Processing version of data
ontime	93956.759389937	Sum of GTIs [s]
livetime	91280.924294892	Livetime [s]
ontime5	93956.759389937	Sum of GTIs [s]
ontime6	93955.318379819	Sum of GTIs [s]
ontime7	93956.759389937	Sum of GTIs [s]
ontime8	93955.318399757	Sum of GTIs [s]
l2events	602711	Number of level 2 events

