

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 10827 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 29 2012

See [axaff10827N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.1145

## 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 ( $x=4088.58$ ,  $y=4063.21$ ) 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. 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	200511	Sequence number
obs_id	10827	Observation id
title	Shock Dynamics in Eta Carinae Approaching the 2009 Periastron Passage: A Twisted Tail	Proposal title
observer	Dr Michael Corcoran	Principal investigator
object	Eta Car	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	161.2626533059	Nominal RA [deg]
dec_nom	-59.679831466024	Nominal Dec [deg]
roll_nom	72.654599768611	Nominal Roll [deg]
revision	3	Processing version of data
ontime	28114.5	Sum of GTIs [s]
livetime	27365.772465348	Livetime [s]
ontime4	28112.958979845	Sum of GTIs [s]
ontime5	28114.5	Sum of GTIs [s]
ontime6	28114.5	Sum of GTIs [s]
ontime7	28114.5	Sum of GTIs [s]
ontime8	28114.5	Sum of GTIs [s]
ontime9	28114.5	Sum of GTIs [s]
l2events	317500	Number of level 2 events

