

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 13670 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 29 2014

See axaff13670N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.0265

## Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

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Zeroth order moderately piled up. The zeroth order sky position was determined using a software tool developed by CXC called findzero, which is available in CIAO as part of the tgdetect2 tool. The tool calculates the point of intersection of the readout streak on the ACIS CCD and the meg dispersed spectral arm, rather than using a centroid position of the source. The findzero results are more accurate than source centroid in this case.

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Target was monitored in the optical in slot 7 during the observation.

seq_num	200820	Sequence number
obs_id	13670	Observation id
title	Monitoring Dynamical Mass Loss from Eta Car with the HETG and STIS: The Rise to Maximum	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	161.25903888288	Nominal RA [deg]
dec_nom	-59.68477078755	Nominal Dec [deg]
roll_nom	127.15147642111	Nominal Roll [deg]
revision	3	Processing version of data
ontime	32026.5	Sum of GTIs [s]
livetime	31173.590562218	Livetime [s]
ontime5	32026.5	Sum of GTIs [s]
ontime6	32026.5	Sum of GTIs [s]
ontime7	32026.5	Sum of GTIs [s]
ontime8	32026.5	Sum of GTIs [s]
ontime9	32024.958999753	Sum of GTIs [s]
l2events	181151	Number of level 2 events

