

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 13613 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Dec 30 2014

See axaff13613N004\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	70.069300538898

## Comments

Charge time:

Charge time for this ObsId remains at previous value of 70.069300538898 ks.

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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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There is an approximately 4 min period of anomalous aspect data during this observation. Obsid 13613 appears to have a dither pattern deviation and correction similar to the pattern seen in obsid 14462, which is believed to be due to a short-term change in the yaw gyro bias. The residuals are a bit smaller for this observation (max 3 arcsec compared to 5 arcsecs seen in 14462), but as all slots show residuals during the deviation it looks like the aspect solution does not reflect the actual pointing jog and correction. The change in yaw gyro bias values was an unanticipated spacecraft event. This obsid has been reprocessed to exclude data from the time period 466117326.71 s to 466117575.13 s MET.

seq_num	200767	Sequence number
obs_id	13613	Observation id
title	Testing the scenario of triggered star formation at the periphery of the Carina Nebula: a Chandra study of NGC3324	Proposal title
observer	Prof. Dr. Thomas Preibisch	Principal investigator
object	NGC3324	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	159.416667	Observer's specified target RA [deg]
dec_targ	-58.691667	Observer's specified target Dec [deg]
ra_nom	159.40250317372	Nominal RA [deg]
dec_nom	-58.688333019347	Nominal Dec [deg]
roll_nom	138.34871914583	Nominal Roll [deg]
revision	4	Processing version of data
ontime	69821.30053699	Sum of GTIs [s]
livetime	68909.033843781	Livetime [s]
ontime0	69821.30053699	Sum of GTIs [s]
ontime1	69821.30053699	Sum of GTIs [s]
ontime2	69821.30053699	Sum of GTIs [s]
ontime3	69821.30053699	Sum of GTIs [s]
ontime7	69821.30053699	Sum of GTIs [s]
l2events	377182	Number of level 2 events

