

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12461 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

See axaff12461N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.044

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

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Roll constraint met.

seq_num	401202	Sequence number
obs_id	12461	Observation id
title	The Unusual X-ray Binaries of the Globular Cluster NGC 6652	Propos
observer	Prof. Craig Heinke	Principal investigator
object	NGC 6652	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.940417	Observer's specified target RA [deg]
dec_targ	-32.990278	Observer's specified target Dec [deg]
ra_nom	278.93890258359	Nominal RA [deg]
dec_nom	-32.985589065955	Nominal Dec [deg]
roll_nom	73.453050158902	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49044.0	Sum of GTIs [s]
livetime	45323.82078959	Livetime [s]
ontime6	49044.0	Sum of GTIs [s]
ontime7	49044.0	Sum of GTIs [s]
l2events	109329	Number of level 2 events

