

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12676 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

See [axaff12676N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.356799823642

## 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.

seq_num	501509	Sequence number
obs_id	12676	Observation id
title	VER J2019+407: UNIDENTIFIED TEV SOURCE IN THE GAMMA-CYGNI SNR	Prop
observer	Dr. Mark Theiling	Principal investigator
object	VER J2019+407	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	304.97	Observer's specified target RA [deg]
dec_targ	40.79	Observer's specified target Dec [deg]
ra_nom	304.98068223944	Nominal RA [deg]
dec_nom	40.790263153168	Nominal Dec [deg]
roll_nom	344.5490837958	Nominal Roll [deg]
revision	2	Processing version of data
ontime	47356.799823642	Sum of GTIs [s]
livetime	46757.139509433	Livetime [s]
ontime0	47353.439460218	Sum of GTIs [s]
ontime1	47353.480480313	Sum of GTIs [s]
ontime2	47356.762510598	Sum of GTIs [s]
ontime3	47356.799823642	Sum of GTIs [s]
ontime6	47356.799823642	Sum of GTIs [s]
ontime7	47356.799823642	Sum of GTIs [s]
l2events	400498	Number of level 2 events

