

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12508 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

See axaff12508N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.755199930191

## Comments

Joint proposal with NOAO.

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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	401249	Sequence number
obs_id	12508	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.143234	Observer's specified target RA [deg]
dec_targ	-46.530534	Observer's specified target Dec [deg]
ra_nom	250.15501121334	Nominal RA [deg]
dec_nom	-46.530604204321	Nominal Dec [deg]
roll_nom	342.21723219687	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18755.199930191	Sum of GTIs [s]
livetime	18517.710295649	Livetime [s]
ontime0	18755.199930191	Sum of GTIs [s]
ontime1	18755.199930191	Sum of GTIs [s]
ontime2	18751.958880007	Sum of GTIs [s]
ontime3	18755.199930191	Sum of GTIs [s]
ontime6	18751.958879828	Sum of GTIs [s]
ontime7	18755.199930191	Sum of GTIs [s]
l2events	136127	Number of level 2 events

