

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12948 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12948N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0263335334659

## 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.

=====

The source is approximate 25 arcsec northeast of the requested coordinates. The requested coordinates match SIMBAD and RSX coordinates. However, RASS coordinates appear to be more accurate. Further investigation into the source of the discrepancy was not made by the V&V scientist.

seq_num	900980	Sequence number
obs_id	12948	Observation id
title	Chandra Studies of Unidentified X-ray Sources in the Galactic Bulge	&#160
observer	Dr. Hideyuki Mori	Principal investigator
object	1RXS J182853.8-241746	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.224167	Observer's specified target RA [deg]
dec_targ	-24.296111	Observer's specified target Dec [deg]
ra_nom	277.22107873137	Nominal RA [deg]
dec_nom	-24.292170223688	Nominal Dec [deg]
roll_nom	93.350124836727	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4026.333535552	Sum of GTIs [s]
livetime	3829.8616337411	Livetime [s]
ontime7	4026.333535552	Sum of GTIs [s]
l2events	5697	Number of level 2 events

