

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12683 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See [axaff12683N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0398000156879

## 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	501516	Sequence number
obs_id	12683	Observation id
title	Completing Identification of the Nearest and Brightest Neutron Stars	&#160
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ173253.6-371200	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.223333	Observer's specified target RA [deg]
dec_targ	-37.2	Observer's specified target Dec [deg]
ra_nom	263.22198273698	Nominal RA [deg]
dec_nom	-37.195120088716	Nominal Dec [deg]
roll_nom	70.601422798694	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2039.8000156879	Sum of GTIs [s]
livetime	2013.1485268041	Livetime [s]
ontime3	2039.8000156879	Sum of GTIs [s]
ontime5	2039.8000156879	Sum of GTIs [s]
ontime6	2039.8000156879	Sum of GTIs [s]
ontime7	2039.8000156879	Sum of GTIs [s]
ontime8	2039.8000156879	Sum of GTIs [s]
l2events	20982	Number of level 2 events

