

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12679 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See [axaff12679N002-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	2.0360755822062

## 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	501512	Sequence number
obs_id	12679	Observation id
title	Completing Identification of the Nearest and Brightest Neutron Stars	&#160
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ130205.2+155122	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.521667	Observer's specified target RA [deg]
dec_targ	15.859667	Observer's specified target Dec [deg]
ra_nom	195.51786862823	Nominal RA [deg]
dec_nom	15.862615251409	Nominal Dec [deg]
roll_nom	108.10084925655	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2036.0755821466	Sum of GTIs [s]
livetime	2009.4727557289	Livetime [s]
ontime3	2035.9524621367	Sum of GTIs [s]
ontime5	2036.0345421433	Sum of GTIs [s]
ontime6	2035.99350214	Sum of GTIs [s]
ontime7	2036.0755821466	Sum of GTIs [s]
ontime8	2035.9114221334	Sum of GTIs [s]
l2events	22110	Number of level 2 events

