

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13217 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13217N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.010343217969

## 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.

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Window constraint met.

seq_num	501549	Sequence number
obs_id	13217	Observation id
title	Unveiling the nature of cyclic behavior in the period evolution of the Anomalous X ray Pulsar XTE j1810-197	Proposal title
observer	Dr. Rosalba Perna	Principal investigator
object	XTE J1810-197	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.462862	Observer's specified target RA [deg]
dec_targ	-19.731092	Observer's specified target Dec [deg]
ra_nom	272.46034026828	Nominal RA [deg]
dec_nom	-19.72688607736	Nominal Dec [deg]
roll_nom	87.726054315077	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15010.343212664	Sum of GTIs [s]
livetime	13613.588983008	Livetime [s]
ontime7	15010.343212664	Sum of GTIs [s]
l2events	11783	Number of level 2 events

