

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12387 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12387N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	John Houck
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.04226148355

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	200721	Sequence number
obs_id	12387	Observation id
title	Rosette: Understanding Star Formation in Molecular Cloud Complexes	
observer	Dr. Junfeng Wang	Principal investigator
object	RMC PL1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	97.950417	Observer's specified target RA [deg]
dec_targ	4.325306	Observer's specified target Dec [deg]
ra_nom	97.957697694078	Nominal RA [deg]
dec_nom	4.3217987401535	Nominal Dec [deg]
roll_nom	316.95709652349	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25042.261493146	Sum of GTIs [s]
livetime	24725.161299481	Livetime [s]
ontime0	25048.620443821	Sum of GTIs [s]
ontime1	25048.661493778	Sum of GTIs [s]
ontime2	25048.702523291	Sum of GTIs [s]
ontime3	25042.261493146	Sum of GTIs [s]
ontime6	25045.584593594	Sum of GTIs [s]
ontime7	25052.025654197	Sum of GTIs [s]
l2events	152395	Number of level 2 events

