

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13422 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 13 2012

See [axaff13422N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.064999487936

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	200685	Sequence number
obs_id	13422	Observation id
title	Understanding the weak winds: high-resolution Chandra spectroscopy of mu Col	Proposal title
observer	Dr. Lidia Oskinova	Principal investigator
object	mu Col	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	86.499583	Observer's specified target RA [deg]
dec_targ	-32.306444	Observer's specified target Dec [deg]
ra_nom	86.522488369271	Nominal RA [deg]
dec_nom	-32.314662618818	Nominal Dec [deg]
roll_nom	164.1688771118	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30064.999487936	Sum of GTIs [s]
livetime	28399.950935922	Livetime [s]
ontime4	30064.999487936	Sum of GTIs [s]
ontime5	30064.989103794	Sum of GTIs [s]
ontime6	30064.948063791	Sum of GTIs [s]
ontime7	30064.999487936	Sum of GTIs [s]
ontime8	30064.907023787	Sum of GTIs [s]
ontime9	30064.865983784	Sum of GTIs [s]
l2events	42213	Number of level 2 events

