

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12831 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12831N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.06279978925

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	702464	Sequence number
obs_id	12831	Observation id
title	Energy Dependent X-ray Microlensing	Proposal title
observer	Dr. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.12625	Observer's specified target RA [deg]
dec_targ	3.358	Observer's specified target Dec [deg]
ra_nom	340.12250524035	Nominal RA [deg]
dec_nom	3.3611083224491	Nominal Dec [deg]
roll_nom	108.73211038322	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30062.79978925	Sum of GTIs [s]
livetime	29354.15593078	Livetime [s]
ontime2	30059.317749023	Sum of GTIs [s]
ontime3	30061.058749199	Sum of GTIs [s]
ontime6	30062.79978925	Sum of GTIs [s]
ontime7	30062.79978925	Sum of GTIs [s]
ontime8	30062.79978925	Sum of GTIs [s]
l2events	104760	Number of level 2 events

