

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12478 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12478N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.6422538417578

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	401219	Sequence number
obs_id	12478	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J011955.7-201025	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	19.982083	Observer's specified target RA [deg]
dec_targ	-20.173611	Observer's specified target Dec [deg]
ra_nom	19.966517865797	Nominal RA [deg]
dec_nom	-20.104487883951	Nominal Dec [deg]
roll_nom	138.75548385363	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1642.2538425922	Sum of GTIs [s]
livetime	1620.7965871291	Livetime [s]
ontime3	1642.1307225823	Sum of GTIs [s]
ontime5	1642.2128025889	Sum of GTIs [s]
ontime6	1642.1717625856	Sum of GTIs [s]
ontime7	1642.2538425922	Sum of GTIs [s]
ontime8	1642.089682579	Sum of GTIs [s]
l2events	17357	Number of level 2 events

