

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12977 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff12977N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	53.011081578434

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	600945	Sequence number
obs_id	12977	Observation id
title	Collisional Ring Galaxy Arp 148	Proposal title
observer	Prof. Saul Rappaport	Principal investigator
object	Arp 148	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.975	Observer's specified target RA [deg]
dec_targ	40.849972	Observer's specified target Dec [deg]
ra_nom	165.9688831154	Nominal RA [deg]
dec_nom	40.851411436979	Nominal Dec [deg]
roll_nom	131.08851257541	Nominal Roll [deg]
revision	2	Processing version of data
ontime	53011.081580937	Sum of GTIs [s]
livetime	52339.823346518	Livetime [s]
ontime2	53011.12262094	Sum of GTIs [s]
ontime3	53010.958460927	Sum of GTIs [s]
ontime5	53011.040540934	Sum of GTIs [s]
ontime6	53010.99950093	Sum of GTIs [s]
ontime7	53011.081580937	Sum of GTIs [s]
ontime8	53010.917420924	Sum of GTIs [s]
l2events	542027	Number of level 2 events

