

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12980 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See [axaff12980N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059500077367

## 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	600948	Sequence number
obs_id	12980	Observation id
title	Black-hole--galaxy co-evolution at the end of the Hubble sequence	&#160
observer	Prof. Smita Mathur	Principal investigator
object	IC 1291	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.469167	Observer's specified target RA [deg]
dec_targ	49.278611	Observer's specified target Dec [deg]
ra_nom	278.46429214559	Nominal RA [deg]
dec_nom	49.282243669842	Nominal Dec [deg]
roll_nom	99.585289365394	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10059.500077367	Sum of GTIs [s]
livetime	9928.0653031598	Livetime [s]
ontime6	10059.500077367	Sum of GTIs [s]
ontime7	10059.500077367	Sum of GTIs [s]
ontime8	10059.500077367	Sum of GTIs [s]
l2events	47209	Number of level 2 events

