

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12286 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

See [axaff12286N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	John Houck
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.721318366349

## 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	801005	Sequence number
obs_id	12286	Observation id
title	Abell 665: Determining the Connection Between Cluster Dynamics and Radio Halos	Proposal title
observer	Dr. Craig Sarazin	Principal investigator
object	Abell 665	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.746875	Observer's specified target RA [deg]
dec_targ	65.840556	Observer's specified target Dec [deg]
ra_nom	127.7049634295	Nominal RA [deg]
dec_nom	65.849724689595	Nominal Dec [deg]
roll_nom	157.19098537777	Nominal Roll [deg]
revision	2	Processing version of data
ontime	47721.318366408	Sum of GTIs [s]
livetime	47097.804210028	Livetime [s]
ontime0	47718.177295864	Sum of GTIs [s]
ontime1	47724.459346652	Sum of GTIs [s]
ontime2	47715.036315799	Sum of GTIs [s]
ontime3	47721.318366408	Sum of GTIs [s]
ontime6	47715.036315799	Sum of GTIs [s]
l2events	239218	Number of level 2 events

