

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12951 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff12951N002-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	74.943626242936

## 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.

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Joint proposal with NRAO.

seq_num	600922	Sequence number
obs_id	12951	Observation id
title	Understanding AGN Feedback with Deep Observations of NGC 5813	Prop
observer	Dr. Scott Randall	Principal investigator
object	NGC5813	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.286321	Observer's specified target RA [deg]
dec_targ	1.741986	Observer's specified target Dec [deg]
ra_nom	225.28296110218	Nominal RA [deg]
dec_nom	1.7454853557197	Nominal Dec [deg]
roll_nom	102.15672653348	Nominal Roll [deg]
revision	2	Processing version of data
ontime	74943.626247466	Sum of GTIs [s]
livetime	73994.644926286	Livetime [s]
ontime0	74943.667287469	Sum of GTIs [s]
ontime2	74940.221047163	Sum of GTIs [s]
ontime3	74940.262067139	Sum of GTIs [s]
ontime5	74943.585207462	Sum of GTIs [s]
ontime6	74943.544167459	Sum of GTIs [s]
ontime7	74943.626247466	Sum of GTIs [s]
l2events	971357	Number of level 2 events

