

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12953 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff12953N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.162489012122

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: NRAO

seq_num	600922	Sequence number
obs_id	12953	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	
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	225.28296824404	Nominal RA [deg]
dec_nom	1.7454851545736	Nominal Dec [deg]
roll_nom	102.1567501823	Nominal Roll [deg]
revision	2	Processing version of data
ontime	32162.489012003	Sum of GTIs [s]
livetime	31755.228210207	Livetime [s]
ontime0	32162.530052006	Sum of GTIs [s]
ontime2	32162.32485199	Sum of GTIs [s]
ontime3	32162.365891993	Sum of GTIs [s]
ontime5	32162.447972	Sum of GTIs [s]
ontime6	32162.406931996	Sum of GTIs [s]
ontime7	32162.489012003	Sum of GTIs [s]
l2events	379026	Number of level 2 events

