

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12430 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12430N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0559999812245

## 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	401171	Sequence number
obs_id	12430	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	Dr. John Tomsick	Principal investigator
object	IGR J21565+5948	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.125833	Observer's specified target RA [deg]
dec_targ	59.815	Observer's specified target Dec [deg]
ra_nom	329.11702122373	Nominal RA [deg]
dec_nom	59.82191962297	Nominal Dec [deg]
roll_nom	108.26342668608	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5055.9999812245	Sum of GTIs [s]
livetime	4991.9778651046	Livetime [s]
ontime0	5055.9999812245	Sum of GTIs [s]
ontime1	5055.9999812245	Sum of GTIs [s]
ontime2	5055.9999812245	Sum of GTIs [s]
ontime3	5055.9999812245	Sum of GTIs [s]
ontime6	5055.9999812245	Sum of GTIs [s]
ontime7	5055.9999812245	Sum of GTIs [s]
l2events	33157	Number of level 2 events

