

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12452 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12452N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.076999859273

## 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	401193	Sequence number
obs_id	12452	Observation id
title	INVESTIGATING NEW INTEGRAL SOURCES WITH CHANDRA	Proposal title
observer	Adamantia Paizis	Principal investigator
object	IGR J17177-3656	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.427833	Observer's specified target RA [deg]
dec_targ	-36.934214	Observer's specified target Dec [deg]
ra_nom	259.42526856965	Nominal RA [deg]
dec_nom	-36.929837603647	Nominal Dec [deg]
roll_nom	83.453649740824	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20076.999859273	Sum of GTIs [s]
livetime	19603.742453226	Livetime [s]
ontime4	20076.999859273	Sum of GTIs [s]
ontime5	20076.999859273	Sum of GTIs [s]
ontime6	20076.999859273	Sum of GTIs [s]
ontime7	20076.999859273	Sum of GTIs [s]
ontime8	20076.999859273	Sum of GTIs [s]
ontime9	20076.999859273	Sum of GTIs [s]
l2events	139735	Number of level 2 events

