

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12855 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

See [axaff12855N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.048320433021

## 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	702488	Sequence number
obs_id	12855	Observation id
title	Extreme Velocity Quasar Outflows and the Role of X-Ray Shielding	P
observer	Fred Hamann	Principal investigator
object	J090508.85+074151.24	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.286667	Observer's specified target RA [deg]
dec_targ	7.697556	Observer's specified target Dec [deg]
ra_nom	136.286545016	Nominal RA [deg]
dec_nom	7.7023964331803	Nominal Dec [deg]
roll_nom	59.772026773299	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35048.320427835	Sum of GTIs [s]
livetime	34114.935784764	Livetime [s]
ontime7	35048.320427835	Sum of GTIs [s]
l2events	72394	Number of level 2 events

