

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12364 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See axaff12364N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.051199925363

## 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	200698	Sequence number
obs_id	12364	Observation id
title	X-rays from Planetary Nebulae: Unveiling Binarity, Magnetic Fields, and Wind Collisions	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	NGC 6720	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	283.39625	Observer's specified target RA [deg]
dec_targ	33.029167	Observer's specified target Dec [deg]
ra_nom	283.39949972126	Nominal RA [deg]
dec_nom	33.033213061489	Nominal Dec [deg]
roll_nom	24.549036395147	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20051.199925363	Sum of GTIs [s]
livetime	19797.299558525	Livetime [s]
ontime2	20047.958955109	Sum of GTIs [s]
ontime3	20047.879642963	Sum of GTIs [s]
ontime5	20051.199925363	Sum of GTIs [s]
ontime6	20051.16165328	Sum of GTIs [s]
ontime7	20051.199925363	Sum of GTIs [s]
ontime8	20051.079573274	Sum of GTIs [s]
l2events	239863	Number of level 2 events

