

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12460 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12460N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.073499648929

## 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	401201	Sequence number
obs_id	12460	Observation id
title	HIGH-RESOLUTION SPECTROSCOPY OF THE PHOTOIONIZED STELLAR WIND OF X-RAY PULSAR OAO 1657	Proposal title
observer	Dr. Takaaki Tanaka	Principal investigator
object	OAO 1657-415	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.20375	Observer's specified target RA [deg]
dec_targ	-41.656	Observer's specified target Dec [deg]
ra_nom	255.20517264503	Nominal RA [deg]
dec_nom	-41.651269549216	Nominal Dec [deg]
roll_nom	45.661834422257	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50073.499648929	Sum of GTIs [s]
livetime	48893.161215813	Livetime [s]
ontime4	50073.499648929	Sum of GTIs [s]
ontime5	50073.499648929	Sum of GTIs [s]
ontime6	50068.276518822	Sum of GTIs [s]
ontime7	50073.499648929	Sum of GTIs [s]
ontime8	50073.499648929	Sum of GTIs [s]
ontime9	50073.499648929	Sum of GTIs [s]
l2events	295971	Number of level 2 events

