

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 14 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

See [axaff00014N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.9

## Comments

Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates ( $x=4023.57$ ,  $y=4074.54$ ) into the `*src1a.fits` file table. These corrected coordinates were determined using a software tool developed by CXC called `findzero`, which is expected to be released in CIAO as `tg_findzo` (currently in ISIS (as `findzo`)). The tool calculates the point of intersection of the readout streak and the meg arm (preferred position), or the readout streak and the heg arm. The zeroth order source position determined by the standard pipeline processing using the tool `tgdetect` was not used in this processing. The newly determined zeroth order coordinates have been placed in the `*src1a.fits` file, replacing the coordinates determined by `tgdetect`. Note that these corrected coordinates of the zeroth order cannot be reproduced by running `tgdetect` on the data.

seq_num	200012	Sequence number
obs_id	14	Observation id
title	AXAF GRATING SPECTROSCOPY OF ACTIVE BINARIES	Proposal title
observer	Dr. Jeffrey Linsky	Principal investigator
object	44 BOO	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.947083	Observer's specified target RA [deg]
dec_targ	47.654056	Observer's specified target Dec [deg]
ra_nom	225.9329668885	Nominal RA [deg]
dec_nom	47.657441379055	Nominal Dec [deg]
roll_nom	170.9380743246	Nominal Roll [deg]
revision	5	Processing version of data
ontime	59900.800055772	Sum of GTIs [s]
livetime	59142.300057534	Livetime [s]
ontime4	59900.800055772	Sum of GTIs [s]
ontime5	59900.800055772	Sum of GTIs [s]
ontime6	59897.559095547	Sum of GTIs [s]
ontime7	59900.800055772	Sum of GTIs [s]
ontime8	59900.800055772	Sum of GTIs [s]
ontime9	59900.800055772	Sum of GTIs [s]
l2events	660181	Number of level 2 events

