

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 11044 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

See axaff11044N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.135899788737

## 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=4128.3, y=4080.59) 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 (currently in ISIS). 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.

===Phase constraint met.

seq_num	401079	Sequence number
obs_id	11044	Observation id
title	Cygnus X-1 Viewed Outside of its Secondary's Wind	Proposal title
observer	Dr. Michael Nowak	Principal investigator
object	Cyg X-1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.590417	Observer's specified target RA [deg]
dec_targ	35.201611	Observer's specified target Dec [deg]
ra_nom	299.5956973062	Nominal RA [deg]
dec_nom	35.203825772804	Nominal Dec [deg]
roll_nom	355.66257925324	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30135.899788737	Sum of GTIs [s]
livetime	29425.532808467	Livetime [s]
ontime4	30135.899788737	Sum of GTIs [s]
ontime5	30135.899788737	Sum of GTIs [s]
ontime6	30135.899788737	Sum of GTIs [s]
ontime7	30135.899788737	Sum of GTIs [s]
ontime8	30135.899788737	Sum of GTIs [s]
ontime9	30135.899788737	Sum of GTIs [s]
l2events	4516713	Number of level 2 events

