

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 8525 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 14 2012

See axaff08525N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.1375997

## Comments

Coordinated with XMM and RXTE. ===== Standard data processing software did not correctly locate the zeroth order because a spatial exclusion window was used to sample 1/10 of the zeroth order counts. Manual intervention was used in the processing to input the correct sky coordinates (x=4074.34,y=4070.82) 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. 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.===== Zeroth order and spectral arms are piled up.

seq_num	400681	Sequence number
obs_id	8525	Observation id
title	Joint XMM-Newton/Chandra/RXTE Observations of Dips in Cyg X-1	Prop
observer	Dr. Joern Wilms	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	35.201472	Observer's specified target Dec [deg]
ra_nom	299.58662444258	Nominal RA [deg]
dec_nom	35.205197668763	Nominal Dec [deg]
roll_nom	98.158821074715	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30137.599788725	Sum of GTIs [s]
livetime	29427.192735855	Livetime [s]
ontime4	30137.599788725	Sum of GTIs [s]
ontime5	30137.599788725	Sum of GTIs [s]
ontime6	30137.599788725	Sum of GTIs [s]
ontime7	30137.599788725	Sum of GTIs [s]
ontime8	30137.599788725	Sum of GTIs [s]
ontime9	30137.599788725	Sum of GTIs [s]
l2events	2714238	Number of level 2 events

