

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 5500 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 31 2012

See [axaff05500N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.2496

## 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 ( $x=4089.38$ ,  $y=4081.29$ ) into the `*src1a.fits` file table. These corrected coordinates were determined using a software tool developed by CXC called `tg_findzo`, available in CIAO. 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.

seq_num	400430	Sequence number
obs_id	5500	Observation id
title	Follow-up Chandra observation of 4U 1705-44	Proposal title
observer	Dr. Tiziana Di Salvo	Principal investigator
object	4U 1705-44	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.226958	Observer's specified target RA [deg]
dec_targ	-44.102042	Observer's specified target Dec [deg]
ra_nom	257.22567827898	Nominal RA [deg]
dec_nom	-44.100018886032	Nominal Dec [deg]
roll_nom	246.45084333301	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27249.600116044	Sum of GTIs [s]
livetime	26473.546995546	Livetime [s]
ontime4	27249.600116044	Sum of GTIs [s]
ontime5	27249.600116044	Sum of GTIs [s]
ontime6	27249.600116044	Sum of GTIs [s]
ontime7	27249.600116044	Sum of GTIs [s]
ontime8	27249.600116044	Sum of GTIs [s]
ontime9	27249.600116044	Sum of GTIs [s]
l2events	990145	Number of level 2 events

