

# V&V Summary Report

## L2 ASCDS Version : 8.5

Observation 4584 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 16 2012

See [axaff04584N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.174

## 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=4060.44, y=4137.28) 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.

===

Faint grating spectra can be seen in an image of bad events. This is probably due to pileup in the spectrum, causing migration to bad grades. This should be considered in analysis.

seq_num	400366	Sequence number
obs_id	4584	Observation id
title	HETGS Spectroscopy of the Ultracompact X-ray Dipper 4U 1916-05	Pro
observer	Prof. Deepto Chakrabarty	Principal investigator
object	4U 1916-05	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	289.7	Observer's specified target RA [deg]
dec_targ	-5.235722	Observer's specified target Dec [deg]
ra_nom	289.69449691949	Nominal RA [deg]
dec_nom	-5.243695318112	Nominal Dec [deg]
roll_nom	245.62441993934	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47174.999669194	Sum of GTIs [s]
livetime	46062.985019086	Livetime [s]
ontime4	47174.999669194	Sum of GTIs [s]
ontime5	47174.999669194	Sum of GTIs [s]
ontime6	47173.258629173	Sum of GTIs [s]
ontime7	47174.999669194	Sum of GTIs [s]
ontime8	47174.999669194	Sum of GTIs [s]
ontime9	47174.999669194	Sum of GTIs [s]
l2events	915820	Number of level 2 events

