

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 7485 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

See axaff07485N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.9971995

## Comments

Zeroth order severely piled up and cratered. Both dispersed spectral arms are also 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 ( $X = 4095.78$ ,  $Y = 4131.31$ ) 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.

seq_num	400595	Sequence number
obs_id	7485	Observation id
title	High Resolution Spectroscopy of GRS 1915+105 in the 'Soft' State	&#160
observer	Dr Yoshihiro Ueda	Principal investigator
object	GRS 1915+105	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.798333	Observer's specified target RA [deg]
dec_targ	10.945806	Observer's specified target Dec [deg]
ra_nom	288.79799216413	Nominal RA [deg]
dec_nom	10.940964515399	Nominal Dec [deg]
roll_nom	234.29736782694	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48997.199513316	Sum of GTIs [s]
livetime	47376.909218059	Livetime [s]
ontime5	48997.199513316	Sum of GTIs [s]
ontime6	48997.199513316	Sum of GTIs [s]
ontime7	48997.199513316	Sum of GTIs [s]
ontime8	48997.199513316	Sum of GTIs [s]
l2events	7117846	Number of level 2 events

