

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 2750 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 4 2012

See axaff02750N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.108

## Comments

Roll angle constraint met.

===

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=4108.8, y=4026.03) 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 as tg\_findzo (currently in ISIS as findzo). 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.

===

Chip ACIS-S4 suffers from an unusually large amplitude of streaks of instrumental origin. The user may want to run the CIAO tool 'destreak' on the Level 2 event data. When using destreak, note that setting 'max' to 1, especially for gratings data, may remove a large fraction of the data. Users should check the output 'timefile' to see what percent of

the data was removed. See the CIAO help file for more details.

seq_num	400230	Sequence number
obs_id	2750	Observation id
title	A SEARCH FO EMISSION LINES IN THE MICRO-QUASAR GRS 1758-258	Propos
observer	Dr. William Heindl	Principal investigator
object	GRS 1758-258	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	270.301667	Observer's specified target RA [deg]
dec_targ	-25.743306	Observer's specified target Dec [deg]
ra_nom	270.30349059276	Nominal RA [deg]
dec_nom	-25.733746298963	Nominal Dec [deg]
roll_nom	90.362674789541	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27108.159007505	Sum of GTIs [s]
livetime	26469.162289642	Livetime [s]
ontime4	27108.159057334	Sum of GTIs [s]
ontime5	27108.159007505	Sum of GTIs [s]
ontime6	27108.159007505	Sum of GTIs [s]
ontime7	27108.159007505	Sum of GTIs [s]
ontime8	27108.159057334	Sum of GTIs [s]
ontime9	27108.159007505	Sum of GTIs [s]
l2events	800902	Number of level 2 events

