

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2708 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 15 2012

See axaff02708N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.357

Comments

Zeroth order piled up and cratered. 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=4084.99, y=4166.26) 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.

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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	400188	Sequence number
obs_id	2708	Observation id
title	RESOLVING IRON K-ABSORPTION LINE FEATURES IN THE X-RAY SPECTRA OF THE LOW MASS X-RAY BINARY GX 13+1	Proposal title
observer	Dr Yoshihiro Ueda	Principal investigator
object	GX 13+1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	273.629167	Observer's specified target RA [deg]
dec_targ	-17.157222	Observer's specified target Dec [deg]
ra_nom	273.62788273227	Nominal RA [deg]
dec_nom	-17.166806326195	Nominal Dec [deg]
roll_nom	272.87074880639	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30357.599698424	Sum of GTIs [s]
livetime	29353.703053978	Livetime [s]
ontime5	30357.599698424	Sum of GTIs [s]
ontime6	30357.599698424	Sum of GTIs [s]
ontime7	30357.599698424	Sum of GTIs [s]
ontime8	30357.599698424	Sum of GTIs [s]
l2events	3248386	Number of level 2 events

