

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2739 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 12 2012

See axaff02739N003_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	69.873

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=4085.7, y=4087.71) into the *srcla.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 *srcla.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.

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Due to the selection of CCD chips used in this observation, the spectral orders are truncated at the long wavelength end.

seq_num	400219	Sequence number
obs_id	2739	Observation id
title	MEASURING THE ABSOLUTE DISTANCE TO THE BURSTER GS 1826-238	Proposa
observer	Dr. Richard Rothschild	Principal investigator
object	GS 1826-238	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.3675	Observer's specified target RA [deg]
dec_targ	-23.796978	Observer's specified target Dec [deg]
ra_nom	277.36555420825	Nominal RA [deg]
dec_nom	-23.795645123895	Nominal Dec [deg]
roll_nom	274.0697807255	Nominal Roll [deg]
revision	4	Processing version of data
ontime	69873.399510026	Sum of GTIs [s]
livetime	68226.335504666	Livetime [s]
ontime5	69873.399510026	Sum of GTIs [s]
ontime6	69873.399510026	Sum of GTIs [s]
ontime7	69873.399510026	Sum of GTIs [s]
ontime8	69873.399510026	Sum of GTIs [s]
l2events	1621926	Number of level 2 events

