

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1021 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 21 2012

See axaff01021N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.7

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=4093.83, y=4129.12) 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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A spatial exclusion window was intended to block events in the zeroth order.

The exclusion window was misplaced, allowing all events from the zeroth order to be collected. The exclusion window is offset from the zeroth order and

does not interfere with events in either the zeroth order or the dispersed spectral orders.

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Spectral orders are piled up.

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Charge time for this ObsId remains at previous value of 9.7 ks, although with the current processing the charge time would be 9.86 ks.

seq_num	400099	Sequence number
obs_id	1021	Observation id
title	ACCRETION DISK LINES AND CONTINUUM IN 4U 1820-30	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	NGC6624	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.91875	Observer's specified target RA [deg]
dec_targ	-30.361111	Observer's specified target Dec [deg]
ra_nom	275.91838549778	Nominal RA [deg]
dec_nom	-30.365584323431	Nominal Dec [deg]
roll_nom	288.10222173866	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9860.3999836892	Sum of GTIs [s]
livetime	9640.59443067	Livetime [s]
ontime4	9860.3999836892	Sum of GTIs [s]
ontime5	9860.3999836892	Sum of GTIs [s]
ontime6	9860.3999836892	Sum of GTIs [s]
ontime7	9860.3999836892	Sum of GTIs [s]
ontime8	9860.3999836892	Sum of GTIs [s]
ontime9	9860.3999836892	Sum of GTIs [s]
l2events	1198974	Number of level 2 events

