V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 1923 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Oct 12 2012

See axaff01923N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.127

Comments

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Observer supplied incorrect coordinates. Observer coordinates off by
1.81 arcmin. The target is not centered in the subarray and the heg
negative and meg positive order are truncated.
===
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=4209.86, y=4179.52) 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 heg arm (in this case the meg arm is very piled up). 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.
===
Command line used:
findzo('acisf01923_000N004_evt1.fits','h',4,4209,4179);
```

===

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	400136	Sequence number
obs_id	1923	Observation id
title	DETAILED STUDY OF THE IRON LINE AND LOW ENERGY FEATURES IN Z AND ATOLL SOURCES	Proposal title
observer	Prof. Natale Robba	Principal investigator
object	4U1705-44	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.251667	Observer's specified target RA [deg]
dec_targ	-44.113333	Observer's specified target Dec [deg]
ra_nom	257.24860007939	Nominal RA [deg]
dec_nom	-44.113371004396	Nominal Dec [deg]
roll_nom	309.95908025289	Nominal Roll [deg]
revision	6	Processing version of data
ontime	25127.200106978	Sum of GTIs [s]
livetime	24411.5917322	Livetime [s]
ontime4	25127.200106978	Sum of GTIs [s]
ontime5	25127.200106978	Sum of GTIs [s]
ontime6	25127.200106978	Sum of GTIs [s]
ontime7	25127.200106978	Sum of GTIs [s]
ontime8	25127.200106978	Sum of GTIs [s]
ontime9	25127.200106978	Sum of GTIs [s]
l2events	2848511	Number of level 2 events