V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 1905 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 21 2012

See axaff01905N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.156

Comments

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Phased constrainted observation. Standard data processing software did
not correctly locate the zeroth order because a spatial exclusion window
was used to reduce the count rate of the zeroth order. Only 1 in 10
events were recorded for the zeroth order. Manual intervention was used
to input the correct sky coordinates (x=4085.12, y=4125.69) 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 (currently in ISIS). The tool calculates
the point of intersection of the readout streak and the meg arm
(preferred position), or the readout streak and the heg 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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Spectral arms are clearly seen in the image of bad pixels, implying the
dispersed spectral arms are piled up.
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seq_num	400118	Sequence number
obs_id	1905	Observation id
title	PHASE RESOLVED SPECTROSCOPY OF THE X-RAY P-CYGNI PROFILES FROM CIRCINUS X-1	Proposal title
observer	Prof. William Brandt	Principal investigator
object	CIR X-1	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	230.170833	Observer's specified target RA [deg]
dec_targ	-57.166667	Observer's specified target Dec [deg]
ra_nom	230.16737774602	Nominal RA [deg]
dec_nom	-57.170710666225	Nominal Dec [deg]
roll_nom	267.23806350637	Nominal Roll [deg]
revision	5	Processing version of data
ontime	8156.1999813169	Sum of GTIs [s]
livetime	7906.5948634732	Livetime [s]
ontime5	8156.1999813169	Sum of GTIs [s]
ontime6	8156.1999813169	Sum of GTIs [s]
ontime7	8156.1999813169	Sum of GTIs [s]
ontime8	8156.1999813169	Sum of GTIs [s]
l2events	1786698	Number of level 2 events