V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 3661 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 9 2012

See axaff03661N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.961

Comments

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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=4126.9, y=3944.19) 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.
===
A spectrum is visible in the bad-events image. This is likely due to
pileup causing grade migration into bad grade events.
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Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1).
Default order sorting can clip some regions, particularly longward of
30A (first order). User-specified custom processing parameters may be
required in tg_resolve_events (osipfile=none, osort_lo, osort_hi ~0.5)
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though this can allow more zeroth order background at short wavelengths.

seq_num	400265	Sequence number
obs_id	3661	Observation id
title	SPECTROSCOPY OF THE HIGH-LATITUDE ACCRETING MILLISECOND PULSAR XTE J0929-314	Proposal title
observer	Prof. Deepto Chakrabarty	Principal investigator
object	XTE J0929-314	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	142.334167	Observer's specified target RA [deg]
dec_targ	-31.384083	Observer's specified target Dec [deg]
ra_nom	142.33897407522	Nominal RA [deg]
dec_nom	-31.36347360691	Nominal Dec [deg]
roll_nom	254.34375983817	Nominal Roll [deg]
revision	4	Processing version of data
ontime	17958.3999331	Sum of GTIs [s]
livetime	17730.999859897	Livetime [s]
ontime4	17958.3999331	Sum of GTIs [s]
ontime5	17958.3999331	Sum of GTIs [s]
ontime6	17958.3999331	Sum of GTIs [s]
ontime7	17958.3999331	Sum of GTIs [s]
ontime8	17958.3999331	Sum of GTIs [s]
ontime9	17958.3999331	Sum of GTIs [s]
l2events	371303	Number of level 2 events