V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 11966 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

See axaff11966N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.064801194668

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=4239.51, y=4051.07) 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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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)
though this can allow more zeroth order background at short wavelengths.
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seq_num	790215	Sequence number
obs_id	11966	Observation id
title	AO-11 Calibration Observations of Mkn421	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	MKN421	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.113333	Observer's specified target RA [deg]
dec_targ	38.208806	Observer's specified target Dec [deg]
ra_nom	166.13876281103	Nominal RA [deg]
dec_nom	38.215040134621	Nominal Dec [deg]
roll_nom	193.11698116588	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30064.801194668	Sum of GTIs [s]
livetime	28140.023581681	Livetime [s]
ontime4	30064.801194668	Sum of GTIs [s]
ontime5	30064.801194668	Sum of GTIs [s]
ontime6	30064.801194668	Sum of GTIs [s]
ontime7	30064.801194668	Sum of GTIs [s]
ontime8	30064.160164475	Sum of GTIs [s]
ontime9	30064.772144675	Sum of GTIs [s]
l2events	1039946	Number of level 2 events