V&V Summary Report
L2 ASCDS Version : 8.5.1.1

Observation 15607 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 1 2014

See axaff15607N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.066

Comments

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These data have been reprocessed with new aspect alignment calibration
files that correct small mean offsets (up to 0.4 arcsecs) and improve
overall astrometric accuracy. The new calibration was determined using
data from the time period being reprocessed and was performed using
cross-correlation of X-ray sources with radio and optical counterparts.
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Zeroth order piled up. The zeroth order sky position was determined
using a software tool developed by CXC called findzero, which is
available in CIAO as part of the tgdetect2 tool. The tool calculates the
point of intersection of the readout streak on the ACIS CCD and the meg
dispersed spectral arm, rather than using a centroid position of the
source. The findzero results are more accurate than source centroid in
this case.
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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.
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seq_num	790261	Sequence number
obs_id	15607	Observation id
title	AO-13 Calibration Observation of Mkn421 to Monitor the Contaminant on the ACIS Filter	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	166.12782890738	Nominal RA [deg]
dec_nom	38.191111113382	Nominal Dec [deg]
roll_nom	129.92854001097	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30066.001194715	Sum of GTIs [s]
livetime	28141.146756566	Livetime [s]
ontime5	30066.001194715	Sum of GTIs [s]
ontime6	30065.965379179	Sum of GTIs [s]
ontime7	30066.001194715	Sum of GTIs [s]
ontime8	30065.924339175	Sum of GTIs [s]
ontime9	30065.883299172	Sum of GTIs [s]
l2events	697560	Number of level 2 events