V&V Summary Report
L2 ASCDS Version : 10

Observation 15482 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 3 2014

See axaff15482N003_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	9.7683771232367

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	790258	Sequence number
obs_id	15482	Observation id
title	AO-14 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	166.11893734632	Nominal RA [deg]
dec_nom	38.229411001951	Nominal Dec [deg]
roll_nom	265.13088559408	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9768.3771232367	Sum of GTIs [s]
livetime	9227.388516498	Livetime [s]
ontime4	9768.41816324	Sum of GTIs [s]
ontime5	9768.3360832334	Sum of GTIs [s]
ontime6	9768.2950432301	Sum of GTIs [s]
ontime7	9768.3771232367	Sum of GTIs [s]
ontime8	9768.2540032268	Sum of GTIs [s]
ontime9	9768.2129632235	Sum of GTIs [s]
l2events	209438	Number of level 2 events