

V&V Summary Report

L2 ASCDS Version : 10.2.2

Observation 16424 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 12 2014

See axaff16424N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.049725230157

Comments

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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WARNING: MEG spectrum is faintly visible in bad-events image, which means it may have ccd event pile-up.

seq_num	790264	Sequence number
obs_id	16424	Observation id
title	AO-15 Calibration Observations of Mkn421	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	MKN421	Source name
dtcycle	0	
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	166.11630977361	Nominal RA [deg]
dec_nom	38.207070601016	Nominal Dec [deg]
roll_nom	261.30384043284	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15049.725230157	Sum of GTIs [s]
livetime	14796.701632246	Livetime [s]
ontime5	15049.684190154	Sum of GTIs [s]
ontime6	15049.643150151	Sum of GTIs [s]
ontime7	15049.725230157	Sum of GTIs [s]
ontime8	15049.602110147	Sum of GTIs [s]
ontime9	15049.561070144	Sum of GTIs [s]
l2events	219531	Number of level 2 events

