

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 19866 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 1 2017

See [axaff19866N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	54.70944606638

Comments

Big dither observation.

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 or leg dispersed spectral arm, rather than using a centroid position of the source. The `findzero` results are more accurate than source centroid in this case.

seq_num	790306	Sequence number
obs_id	19866	Observation id
title	AO-18 Big Dither Observation of Mkn421	Proposal title
observer	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	166.12380513665	Nominal RA [deg]
dec_nom	38.228783671751	Nominal Dec [deg]
roll_nom	256.15017233837	Nominal Roll [deg]
revision	1	Processing version of data
ontime	54709.44606638	Sum of GTIs [s]
livetime	52741.701143709	Livetime [s]
ontime5	54709.405026436	Sum of GTIs [s]
ontime6	54709.363986373	Sum of GTIs [s]
ontime7	54709.44606638	Sum of GTIs [s]
ontime8	54709.322946429	Sum of GTIs [s]
l2events	506982	Number of level 2 events

