

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 19862 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 4 2017

See [axaff19862N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.08866142571

Comments

Large amplitude dither used

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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 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	790302	Sequence number
obs_id	19862	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	166.12310058267	Nominal RA [deg]
dec_nom	38.189790860636	Nominal Dec [deg]
roll_nom	123.1120544264	Nominal Roll [deg]
revision	1	Processing version of data
ontime	59088.66142571	Sum of GTIs [s]
livetime	56963.408441668	Livetime [s]
ontime5	59088.620385766	Sum of GTIs [s]
ontime6	59088.579345703	Sum of GTIs [s]
ontime7	59088.66142571	Sum of GTIs [s]
ontime8	59086.256215572	Sum of GTIs [s]
l2events	1784886	Number of level 2 events

