

V&V Summary Report

L2 ASCDS Version : 10.5

Observation 18840 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 11 2016

See axaff18840N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.072997057438

Comments

Big dither pattern 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.

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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.

seq_num	790292	Sequence number
obs_id	18840	Observation id
title	Big Dither LETG/ACIS-S observations of Mkn 421 to monitor the build-up of contamination on the ACIS filters	Proposal title
observer	CXC Calibration	Principal investigator
object	Mkn 421	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	166.11558689235	Nominal RA [deg]
dec_nom	38.23184926696	Nominal Dec [deg]
roll_nom	271.43061648424	Nominal Roll [deg]
revision	1	Processing version of data
ontime	60072.997057438	Sum of GTIs [s]
livetime	57704.792378235	Livetime [s]
ontime5	60072.956017494	Sum of GTIs [s]
ontime6	60072.914977431	Sum of GTIs [s]
ontime7	60072.997057438	Sum of GTIs [s]
ontime8	60072.873937488	Sum of GTIs [s]
l2events	885626	Number of level 2 events

