

V&V Summary Report

L2 ASCDS Version : 10.4

Observation 17385 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 1 2015

See axaff17385N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0325

Comments

Zerorth order piled up. The zerorth 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: there are no standard ciao tools for analysis of grating spectra from extended sources. The shape of an emission 'line' will be the shape of the zero order spatial structure convolved with the instrumental LSF. Grating extractions can be used, but need to be combined with custom spatial-spectral analysis, since wavelength is multi-valued at any particular diffraction angle.

seq_num	790276	Sequence number
obs_id	17385	Observation id
title	AO-16 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	166.11715457432	Nominal RA [deg]
dec_nom	38.204232752748	Nominal Dec [deg]
roll_nom	264.56306783295	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15032.5	Sum of GTIs [s]
livetime	14789.71208639	Livetime [s]
ontime4	15032.5	Sum of GTIs [s]
ontime5	15032.473128676	Sum of GTIs [s]
ontime6	15032.432088733	Sum of GTIs [s]
ontime7	15032.5	Sum of GTIs [s]
ontime8	15032.39104867	Sum of GTIs [s]
ontime9	15032.350008726	Sum of GTIs [s]
l2events	212915	Number of level 2 events

