V&V Summary Report
L2 ASCDS Version : 10.6

Observation 20909 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 4 2018

See axaff20909N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.744717038274

Comments

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Zeroth order is piled up, ayasymmetric ,and slightly extended. 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.
===
Source is slightly extended with non-uniform X-ray flux in the core. The
user may want to extract the spectrum using a different zeroth order
position to center on the area of interest.
===
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.
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seq_num	901398	Sequence number
obs_id	20909	Observation id
title	The Narrow Fe K Line in 4U 1626-67	Proposal title
observer	Claude Canizares	Principal investigator
object	4U 1626-67	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.069583	Observer's specified target RA [deg]
dec_targ	-67.461667	Observer's specified target Dec [deg]
ra_nom	248.05169090196	Nominal RA [deg]
dec_nom	-67.461936354961	Nominal Dec [deg]
roll_nom	137.14009811226	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25744.717038274	Sum of GTIs [s]
livetime	25137.859535143	Livetime [s]
ontime4	25744.758078218	Sum of GTIs [s]
ontime5	25744.675998211	Sum of GTIs [s]
ontime6	25744.634958267	Sum of GTIs [s]
ontime7	25744.717038274	Sum of GTIs [s]
ontime8	25744.593918204	Sum of GTIs [s]
ontime9	25744.552878261	Sum of GTIs [s]
l2events	328178	Number of level 2 events