

# V&V Summary Report

## L2 ASCDS Version : 10.6.3

Observation 21103 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 13 2018

See axaff21103N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.092100816011

## Comments

Zereth order piled up. The zereth 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.

===

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	401899	Sequence number
obs_id	21103	Observation id
title	An X-ray Outflow in an Ultracompact X-ray Binary	Proposal title
observer	Jon Miller	Principal investigator
object	4U 1916-053	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	289.699583	Observer's specified target RA [deg]
dec_targ	-5.238083	Observer's specified target Dec [deg]
ra_nom	289.6930492477	Nominal RA [deg]
dec_nom	-5.2368340012884	Nominal Dec [deg]
roll_nom	123.15602592011	Nominal Roll [deg]
revision	1	Processing version of data
ontime	29092.100816011	Sum of GTIs [s]
livetime	28406.338388101	Livetime [s]
ontime5	29092.100816011	Sum of GTIs [s]
ontime6	29092.100816011	Sum of GTIs [s]
ontime7	29092.100816011	Sum of GTIs [s]
ontime8	29090.35977602	Sum of GTIs [s]
ontime9	29092.100816011	Sum of GTIs [s]
l2events	439925	Number of level 2 events

