

# V&V Summary Report

## L2 ASCDS Version : 10.6.3

Observation 21104 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 14 2018

See [axaff21104N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.086000647545

## Comments

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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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

seq_num	401899	Sequence number
obs_id	21104	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	289.69383993312	Nominal RA [deg]
dec_nom	-5.2373106949891	Nominal Dec [deg]
roll_nom	123.15610461253	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23086.000647545	Sum of GTIs [s]
livetime	22541.814720412	Livetime [s]
ontime5	23086.000647545	Sum of GTIs [s]
ontime6	23086.000647545	Sum of GTIs [s]
ontime7	23086.000647545	Sum of GTIs [s]
ontime8	23086.000647545	Sum of GTIs [s]
ontime9	23086.000647545	Sum of GTIs [s]
l2events	365958	Number of level 2 events

