

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 21100 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 4 2018

See [axaff21100N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.079605484247

## Comments

Thirty rows of the bias map (190-220) for chip 6 are missing due to dropped telemetry. The data are not recoverable. Bias map for chips 6 was reconstructed using scaled data from a comparable bias map for another observation to fill the data gap.

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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. === 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	901409	Sequence number
obs_id	21100	Observation id
title	Measure Si K and Fe L edges in 4U 1636-53	Proposal title
observer	Claude Canizares	Principal investigator
object	4U 1636-53	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.23125	Observer's specified target RA [deg]
dec_targ	-53.751389	Observer's specified target Dec [deg]
ra_nom	250.23776826959	Nominal RA [deg]
dec_nom	-53.747389202232	Nominal Dec [deg]
roll_nom	356.16188700198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34079.605484247	Sum of GTIs [s]
livetime	32952.625685793	Livetime [s]
ontime5	34079.564444304	Sum of GTIs [s]
ontime6	34079.523404241	Sum of GTIs [s]
ontime7	34079.605484247	Sum of GTIs [s]
ontime8	34079.482364297	Sum of GTIs [s]
l2events	676552	Number of level 2 events

