

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20791 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 1 2018

See axaff20791N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	65.079539596796

## 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.

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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	20791	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	250.23813497937	Nominal RA [deg]
dec_nom	-53.747297936081	Nominal Dec [deg]
roll_nom	356.16218340979	Nominal Roll [deg]
revision	1	Processing version of data
ontime	65079.539596796	Sum of GTIs [s]
livetime	62927.421772188	Livetime [s]
ontime5	65079.498556852	Sum of GTIs [s]
ontime6	65079.457516789	Sum of GTIs [s]
ontime7	65079.539596796	Sum of GTIs [s]
ontime8	65079.416476846	Sum of GTIs [s]
l2events	1399423	Number of level 2 events

