

# V&V Summary Report

## L2 ASCDS Version : 10.5.4

Observation 19890 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 24 2017

See [axaff19890N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.07920119524

## 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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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	901341	Sequence number
obs_id	19890	Observation id
title	Detect Broad High Z Lines in GX 3+1	Proposal title
observer	Claude Canizares	Principal investigator
object	GX 3+1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.983333	Observer's specified target RA [deg]
dec_targ	-26.5635	Observer's specified target Dec [deg]
ra_nom	266.9806620266	Nominal RA [deg]
dec_nom	-26.561378958036	Nominal Dec [deg]
roll_nom	75.15542678442	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30079.20119524	Sum of GTIs [s]
livetime	29084.510921717	Livetime [s]
ontime5	30079.20119524	Sum of GTIs [s]
ontime6	30077.960134983	Sum of GTIs [s]
ontime7	30079.20119524	Sum of GTIs [s]
ontime8	30079.20119524	Sum of GTIs [s]
l2events	2507662	Number of level 2 events

