

# V&V Summary Report

## L2 ASCDS Version : 10.5.2

Observation 18849 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 10 2016

See [axaff18849N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.929176793814

## Comments

Source is moderately piled up and has a faint extended halo. Standard software processing technique using the tool `tgdetect` did not give an accurate position for the zeroth order. Zeroth order position for this observation has instead been determined using the known angle between the readout streak and the meg spectral arm with an ISIS tool called `findzero`. The newly determined zeroth order coordinates ( $x=4130.8$ ,  $y=4104.1$ ) have been manually placed in the `*src1a.fits` file, replacing the coordinates determined by `tgdetect`. Please note that rerunning `tgdetect` for analysis purposes will not give the same zeroth order position as that used in this processing.

seq_num	703292	Sequence number
obs_id	18849	Observation id
title	Chandra-HETG Observations of NGC 3227	Proposal title
observer	Claude Canizares	Principal investigator
object	NGC 3227	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	155.8775	Observer's specified target RA [deg]
dec_targ	19.865056	Observer's specified target Dec [deg]
ra_nom	155.87587197933	Nominal RA [deg]
dec_nom	19.86792947795	Nominal Dec [deg]
roll_nom	56.157181450721	Nominal Roll [deg]
revision	1	Processing version of data
ontime	29929.176793814	Sum of GTIs [s]
livetime	29550.195536064	Livetime [s]
ontime4	29929.217833757	Sum of GTIs [s]
ontime5	29929.135753751	Sum of GTIs [s]
ontime6	29925.853713393	Sum of GTIs [s]
ontime7	29929.176793814	Sum of GTIs [s]
ontime8	29929.053673744	Sum of GTIs [s]
ontime9	29929.012633801	Sum of GTIs [s]
l2events	370464	Number of level 2 events

