

V&V Summary Report

L2 ASCDS Version : 10.3

Observation 16219 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2018

See axaff16219N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	145.86719855094

Comments

The SIM dy drift of 8.0 arcsec and the fid slot 1 RMS deviation of 0.052 arcsec are acceptable for aspect solution.

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Zeroth order moderately 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 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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To compensate for a few bad pixels not marked as bad that were not removed in the Level 2 processing, a custom bad pixel file with additional bad pixels at (chipx, chipy) = (232:234,322:339) in S1 was added in this processing. As a result, the user will NOT find a relatively bright square of pixels on the S1 chip for level 2 data caused by the application of the dither algorithm to the bad pixels in question, as opposed to previous processing(s).

seq_num	703007	Sequence number
obs_id	16219	Observation id
title	Unifying X-ray winds in radio galaxies with Chandra HETG	Proposal
observer	Dr. Francesco Tombesi	Principal investigator
object	3C 111	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.58875	Observer's specified target RA [deg]
dec_targ	38.026611	Observer's specified target Dec [deg]
ra_nom	64.582841132314	Nominal RA [deg]
dec_nom	38.028292755161	Nominal Dec [deg]
roll_nom	128.64006945524	Nominal Roll [deg]
revision	2	Processing version of data
ontime	145867.19855094	Sum of GTIs [s]
livetime	143414.80537896	Livetime [s]
ontime5	145867.19855094	Sum of GTIs [s]
ontime6	145867.19855094	Sum of GTIs [s]
ontime7	145867.19855094	Sum of GTIs [s]
ontime8	145862.31646055	Sum of GTIs [s]
ontime9	145867.19855094	Sum of GTIs [s]
l2events	1095075	Number of level 2 events

