V&V Summary Report
L2 ASCDS Version : 10.7.1

Observation 21216 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 17 2019

See axaff21216N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.05.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.107864751101

Comments

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An exclusion window was applied to the region around the zeroth order.
Only 1 in 10 events are recorded in this window to help mitigate
telemetry saturation. === 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.
====
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).
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seq_num	402049	Sequence number
obs_id	21216	Observation id
title	Are Black Hole Inflow and Outflow Rates Coupled?	Proposal title
observer	Jon Miller	Principal investigator
object	Swift J1728.9-3613	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.244333	Observer's specified target RA [deg]
dec_targ	-36.243806	Observer's specified target Dec [deg]
ra_nom	262.23508091512	Nominal RA [deg]
dec_nom	-36.238414855111	Nominal Dec [deg]
roll_nom	70.151151773571	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50107.864751101	Sum of GTIs [s]
livetime	49453.168609254	Livetime [s]
ontime5	50107.823711157	Sum of GTIs [s]
ontime6	50101.500640273	Sum of GTIs [s]
ontime7	50107.864751101	Sum of GTIs [s]
ontime8	50107.74163115	Sum of GTIs [s]
l2events	1231723	Number of level 2 events