

V&V Summary Report

L2 ASCDS Version : 10.3.3

Observation 17147 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 14 2015

See axaff17147N001-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.703821897507

Comments

For ACIS-S with LETG (with or without CC mode):

Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in tg_resolve_events (osipfile=none, osort_lo, osort_hi ~0.5) though this can allow more zeroth order background at short wavelengths.

====

Roll constraint met.

=====

Zeroth order is extended. 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, as well as in standard data processing. The tool calculates the point of intersection of the readout streak on the ACIS CCD and the 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.

seq_num	703136	Sequence number
obs_id	17147	Observation id
title	Diffuse Extended Emission in Centaurus A: The best case with which to study AGN/Host Galaxy Interaction	Proposal title
observer	Dr. Alex Markowitz	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.365	Observer's specified target RA [deg]
dec_targ	-43.019167	Observer's specified target Dec [deg]
ra_nom	201.34064148273	Nominal RA [deg]
dec_nom	-42.984171030191	Nominal Dec [deg]
roll_nom	302.14001596319	Nominal Roll [deg]
revision	1	Processing version of data
ontime	49703.821897507	Sum of GTIs [s]
livetime	48460.802318049	Livetime [s]
ontime5	49705.503967524	Sum of GTIs [s]
ontime6	49703.821897507	Sum of GTIs [s]
ontime7	49705.545007467	Sum of GTIs [s]
ontime8	49705.421887517	Sum of GTIs [s]
l2events	255930	Number of level 2 events

