

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 16540 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff16540N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.0325

Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

====

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 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	702921	Sequence number
obs_id	16540	Observation id
title	Deep X-ray view of the bare nucleus Seyfert Ark120: unveiling the core of AGN	Proposal title
observer	Dr. Delphine Porquet	Principal investigator
object	Ark 120	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.0475	Observer's specified target RA [deg]
dec_targ	-0.149889	Observer's specified target Dec [deg]
ra_nom	79.050065117043	Nominal RA [deg]
dec_nom	-0.15149818551595	Nominal Dec [deg]
roll_nom	270.45663846697	Nominal Roll [deg]
revision	2	Processing version of data
ontime	48032.5	Sum of GTIs [s]
livetime	47256.733463464	Livetime [s]
ontime4	48032.5	Sum of GTIs [s]
ontime5	48032.5	Sum of GTIs [s]
ontime6	48032.5	Sum of GTIs [s]
ontime7	48032.5	Sum of GTIs [s]
ontime8	48032.5	Sum of GTIs [s]
ontime9	48032.5	Sum of GTIs [s]
l2events	394579	Number of level 2 events

