

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16418 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 8 2014

See axaff16418N002-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.047569835484

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.

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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	291190	Sequence number
obs_id	16418	Observation id
title	AO-15 HETG/ACIS-S Calibration Observations of Capella	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.172917	Observer's specified target RA [deg]
dec_targ	45.996389	Observer's specified target Dec [deg]
ra_nom	79.173006084515	Nominal RA [deg]
dec_nom	45.993508063735	Nominal Dec [deg]
roll_nom	208.50729070684	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30047.569835484	Sum of GTIs [s]
livetime	29542.394882985	Livetime [s]
ontime5	30047.528795481	Sum of GTIs [s]
ontime6	30047.487755477	Sum of GTIs [s]
ontime7	30047.569835484	Sum of GTIs [s]
ontime8	30047.446715474	Sum of GTIs [s]
ontime9	30044.964615345	Sum of GTIs [s]
l2events	232761	Number of level 2 events

