

V&V Summary Report

L2 ASCDS Version : 10.2.4

Observation 16311 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 12 2014

See axaff16311N003_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	125.31

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.

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The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

seq_num	703022	Sequence number
obs_id	16311	Observation id
title	A Warm Absorber Study of Mk 766	Proposal title
observer	Prof. Claude Canizares	Principal investigator
object	Mkn 766	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.610417	Observer's specified target RA [deg]
dec_targ	29.812778	Observer's specified target Dec [deg]
ra_nom	184.61265421354	Nominal RA [deg]
dec_nom	29.810344630878	Nominal Dec [deg]
roll_nom	252.15552069229	Nominal Roll [deg]
revision	3	Processing version of data
ontime	125310.0	Sum of GTIs [s]
livetime	123286.13481094	Livetime [s]
ontime4	125310.0	Sum of GTIs [s]
ontime5	125310.0	Sum of GTIs [s]
ontime6	125310.0	Sum of GTIs [s]
ontime7	125310.0	Sum of GTIs [s]
ontime8	125310.0	Sum of GTIs [s]
ontime9	125310.0	Sum of GTIs [s]
l2events	988983	Number of level 2 events

