

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 16206 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 11 2014

See axaff16206N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	117.58

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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The source's zeroth order falls very close to the gap between the CCD chips. Although it does not appear to have been dithered over this gap, any suggestion of source variability should consider this possibility. Dithering over the chip boundary can give a false indication of variability.

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Joint Proposal: NOAO

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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.

seq_num	200948	Sequence number
obs_id	16206	Observation id
title	Accretion-Driven Physics on the Young Star BP Tauri	Proposal title
observer	Dr. Nancy Brickhouse	Principal investigator
object	BP Tau	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.815833	Observer's specified target RA [deg]
dec_targ	29.107472	Observer's specified target Dec [deg]
ra_nom	64.813885169251	Nominal RA [deg]
dec_nom	29.12690382008	Nominal Dec [deg]
roll_nom	285.15758321698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	117580.0	Sum of GTIs [s]
livetime	112944.74756013	Livetime [s]
ontime5	117580.0	Sum of GTIs [s]
ontime6	117579.96807724	Sum of GTIs [s]
ontime7	117580.0	Sum of GTIs [s]
ontime8	117578.88599718	Sum of GTIs [s]
l2events	278263	Number of level 2 events

