

# V&V Summary Report

## L2 ASCDS Version : 10.1.1

Observation 16559 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 9 2014

See axaff16559N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	85.963

## 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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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.

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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.

seq_num	200948	Sequence number
obs_id	16559	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	&#160
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	64.821232673106	Nominal RA [deg]
dec_nom	29.126402938391	Nominal Dec [deg]
roll_nom	266.15400309511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	85963.0	Sum of GTIs [s]
livetime	82574.156612618	Livetime [s]
ontime5	85963.0	Sum of GTIs [s]
ontime6	85963.0	Sum of GTIs [s]
ontime7	85963.0	Sum of GTIs [s]
ontime8	85963.0	Sum of GTIs [s]
l2events	197193	Number of level 2 events

