

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16558 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 9 2014

See axaff16558N002_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	84.264912185907

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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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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Joint Proposal: NOAO

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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	16558	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	64.821233679865	Nominal RA [deg]
dec_nom	29.126396013035	Nominal Dec [deg]
roll_nom	266.15400613414	Nominal Roll [deg]
revision	2	Processing version of data
ontime	84264.912185907	Sum of GTIs [s]
livetime	80943.011013897	Livetime [s]
ontime5	84264.871145904	Sum of GTIs [s]
ontime6	84264.830105901	Sum of GTIs [s]
ontime7	84264.912185907	Sum of GTIs [s]
ontime8	84264.789065897	Sum of GTIs [s]
l2events	199732	Number of level 2 events

