

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16557 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 8 2014

See axaff16557N002_VV001_vvref2.pdf for the full report

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| 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 | 55.141768610358 |

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.

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| seq_num | 200948 | Sequence number |
| obs_id | 16557 | 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 | 64.821242367961 | Nominal RA [deg] |
| dec_nom | 29.126408125389 | Nominal Dec [deg] |
| roll_nom | 266.15399939031 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 55141.768610358 | Sum of GTIs [s] |
| livetime | 52967.963392721 | Livetime [s] |
| ontime5 | 55141.727570355 | Sum of GTIs [s] |
| ontime6 | 55141.686530352 | Sum of GTIs [s] |
| ontime7 | 55141.768610358 | Sum of GTIs [s] |
| ontime8 | 55141.645490348 | Sum of GTIs [s] |
| l2events | 128295 | Number of level 2 events |

