

# V&V Summary Report

## L2 ASCDS Version : 10.2.2

Observation 16426 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 12 2014

See [axaff16426N002\\_VV001\\_vvref2.pdf](#) for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Beth Sundheim   |
| V&V Date (YYYY-MM-DD)      | 2015.11.20      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 10.148781811595 |

## 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.

|          |  |                                       |
|----------|--|---------------------------------------|
| seq_num  | 790266                                   | Sequence number                       |
| obs_id   | 16426                                    | Observation id                        |
| title    | AO-15 Calibration Observations of Mkn421 | Proposal title                        |
| observer | Dr. CXC Calibration                      | Principal investigator                |
| object   | MKN421                                   | Source name                           |
| ra_targ  | 166.113333                               | Observer's specified target RA [deg]  |
| dec_targ | 38.208806                                | Observer's specified target Dec [deg] |
| ra_nom   | 166.11246911281                          | Nominal RA [deg]                      |
| dec_nom  | 38.204096453977                          | Nominal Dec [deg]                     |
| roll_nom | 261.47328341042                          | Nominal Roll [deg]                    |
| revision | 2  | Processing version of data            |
| ontime   | 10148.781811595                          | [s]                                   |
| livetime | 10074.77939021                           | Ontime multiplied by DTCOR            |
| l2events | 691421                                   | Number of level 2 events              |

