

# V&V Summary Report

## L2 ASCDS Version : 10.2.2

Observation 16615 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 11 2014

See axaff16615N002\_VV001\_vvref2.pdf for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Beth Sundheim   |
| V&V Date (YYYY-MM-DD)      | 2014.12.18      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 45.749299154639 |

## 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  | 901116  | Sequence number                             |
| obs_id   | 16615   | Observation id                              |
| title    | The Tarantula -- Revealed by X-rays (T-ReX): A Definitive Chandra Investigation of 30 Doradus | Proposal title                              |
| observer | Dr. Leisa Townsley  | Principal investigator                      |
| object   | 30 Doradus  | Source name                                 |
| dtcycle  | 0   | &#160                                       |
| cycle    | P   | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 84.676667   | Observer's specified target RA [deg]        |
| dec_targ | -69.100806  | Observer's specified target Dec [deg]       |
| ra_nom   | 84.661951841514   | Nominal RA [deg]                            |
| dec_nom  | -69.106952700683  | Nominal Dec [deg]                           |
| roll_nom | 212.19494145038   | Nominal Roll [deg]                          |
| revision | 2   | Processing version of data                  |
| ontime   | 45749.299154639   | Sum of GTIs [s]                             |
| livetime | 45169.993981822   | Livetime [s]                                |
| ontime0  | 45749.176034629   | Sum of GTIs [s]                             |
| ontime1  | 45749.217074633   | Sum of GTIs [s]                             |
| ontime2  | 45749.258114636   | Sum of GTIs [s]                             |
| ontime3  | 45749.299154639   | Sum of GTIs [s]                             |
| ontime6  | 45749.381234646   | Sum of GTIs [s]                             |
| ontime7  | 45749.340194643   | Sum of GTIs [s]                             |
| l2events | 456723  | Number of level 2 events                    |

