

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 15640 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 2 2014

See [axaff15640N002\\_VV001\\_vvref2.pdf](#) for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Beth Sundheim   |
| V&V Date (YYYY-MM-DD)      | 2014.12.10      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 5.1801000398397 |

## Comments

This is an observation of a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.

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  | 100094   | Sequence number                             |
| obs_id   | 15640  | Observation id                              |
| title    | High Latitude Charge Exchange X-rays from Comet PANSTARRS in the Cold Polar Solar Wind | Proposal title                              |
| observer | Dr. Carey Lisse  | Principal investigator                      |
| object   | Comet 2011 L4 (PANSTARRS)  | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 5.445833   | Observer's specified target RA [deg]        |
| dec_targ | 57.139167  | Observer's specified target Dec [deg]       |
| ra_nom   | 5.1801252842609  | Nominal RA [deg]                            |
| dec_nom  | 58.804260203051  | Nominal Dec [deg]                           |
| roll_nom | 31.602407233629  | Nominal Roll [deg]                          |
| revision | 2  | Processing version of data                  |
| ontime   | 5180.1000398397  | Sum of GTIs [s]                             |
| livetime | 5112.4182192851  | Livetime [s]                                |
| ontime2  | 5180.1000398397  | Sum of GTIs [s]                             |
| ontime3  | 5180.1000398397  | Sum of GTIs [s]                             |
| ontime6  | 5180.1000398397  | Sum of GTIs [s]                             |
| ontime7  | 5180.1000398397  | Sum of GTIs [s]                             |
| ontime8  | 5180.1000398397  | Sum of GTIs [s]                             |
| l2events | 16792  | Number of level 2 events                    |

