

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 14686 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 12 2013

See axaff14686N002\_VV001\_vvref2.pdf for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Joy Nichols     |
| V&V Date (YYYY-MM-DD)      | 2013.03.12      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 20.180969842374 |

## Comments

Non-standard MCP HV setting used for this observation. The setting used is top=91, bottom=103. This setting is intermediate between the original default HV setting for HRC and the 2012 revised default HV setting. THERE IS NO DETECTOR GAIN CALIBRATION FOR THIS HV SETTING. The default CALDB gain map has been applied, but is not known to be an appropriate calibration. This observation was processed with custom gti-limit parameters to allow events from non-standard voltages to be included in gti. LETG grating inserted as a filter only.

|          |                                                                                                            |                                       |
|----------|------------------------------------------------------------------------------------------------------------|---------------------------------------|
| seq_num  | 501820                                                                                                     | Sequence number                       |
| obs_id   | 14686                                                                                                      | Observation id                        |
| title    | Pre-planned Target of Opportunity Observations of the Crab Nebula upon the Occurrence of a Gamma-Ray Flare | Proposal title                        |
| observer | Dr. Martin Weisskopf                                                                                       | Principal investigator                |
| object   | Crab                                                                                                       | Source name                           |
| ra_targ  | 83.631667                                                                                                  | Observer's specified target RA [deg]  |
| dec_targ | 22.015667                                                                                                  | Observer's specified target Dec [deg] |
| ra_nom   | 83.631812318204                                                                                            | Nominal RA [deg]                      |
| dec_nom  | 22.01089492967                                                                                             | Nominal Dec [deg]                     |
| roll_nom | 272.72933463917                                                                                            | Nominal Roll [deg]                    |
| revision | 2                                                                                                          | Processing version of data            |
| ontime   | 20180.969842374                                                                                            | [s]                                   |
| livetime | 20005.18712186                                                                                             | Ontime multiplied by DTCOR            |
| l2events | 2367228                                                                                                    | Number of level 2 events              |

