

V&V Summary Report

L2 ASCDS Version : 10.1

Observation 16244 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Oct 22 2013

See axaff16244N002_VV001_vvref2.pdf for the full report

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|----------------------------|-----------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2013.10.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 20.158932353139 |

Comments

The MCP HV levels and the trigger threshold of the instrument were set to non-standard values and as such the instrument is no longer 'calibrated'. Use of the LETG grating with HRC for an extended source results in a degradation of the spectral resolution. There is no longer a unique mapping between position of an event on the focal plane and wavelength.

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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. 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.

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|----------|---|---------------------------------------|
| seq_num | 502244 | Sequence number |
| obs_id | 16244 | Observation id |
| title | Pre-Planned Target of Opportunity (ToO) Observations of the Crab Nebula upon the Occurrence of the Next Gamma-Ray Flare | Proposal titl |
| 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 | 83.631625536359 | Nominal RA [deg] |
| dec_nom | 22.020429703008 | Nominal Dec [deg] |
| roll_nom | 91.736950742151 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 20158.932353139 | [s] |
| livetime | 20048.098275875 | Overtime multiplied by DTCOR |
| l2events | 1453661 | Number of level 2 events |

