

# V&V Summary Report

## L2 ASCDS Version : 10.1

Observation 16246 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 19 2014

See axaff16246N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.12.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.126132351279

## 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.

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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.

seq_num	502246	Sequence number
obs_id	16246	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	83.631621081556	Nominal RA [deg]
dec_nom	22.020446384762	Nominal Dec [deg]
roll_nom	91.632983466537	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20126.132351279	[s]
livetime	20012.873149624	Ontime multiplied by DTCOR
l2events	1487861	Number of level 2 events

