

V&V Summary Report

L2 ASCDS Version : 10.1

Observation 16247 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 19 2014

See axaff16247N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.056432347536

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. Reprocessed using custom gti limits file. pset hrc_level_std_limits='/dsops/ap/sdp.10/14687/hrca_crab_gtilimN0001.fits'. The default gain file was used.

====

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	502247	Sequence number
obs_id	16247	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	83.631643217763	Nominal RA [deg]
dec_nom	22.020370100912	Nominal Dec [deg]
roll_nom	91.594683563105	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20056.432347536	[s]
livetime	19770.145554813	Ontime multiplied by DTCOR
l2events	1451670	Number of level 2 events

