

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 14686 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 19 2014

See axaff14686N003_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	20.180969842374

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.

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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	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	3	Processing version of data
ontime	20180.969842374	[s]
lifetime	20005.18712186	Ontime multiplied by DTCOR
l2events	2367228	Number of level 2 events

