

V&V Summary Report

L2 ASCDS Version : 10.4.2.1

Observation 14687 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 3 2015

See axaff14687N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.234607171416

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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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. === This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at day=076,12:30:00 UT. Due to a high radiation environment, the instruments were safed and the observation terminated early. This observation has been reprocessed so that the aspect solution correctly handles the instrument safing and maneuver activities at the end of the

observation.

seq_num	501821	Sequence number
obs_id	14687	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	83.631849462347	Nominal RA [deg]
dec_nom	22.010888889365	Nominal Dec [deg]
roll_nom	272.58307316161	Nominal Roll [deg]
revision	4	Processing version of data
ontime	17234.607171416	[s]
livetime	16717.76142437	Overtime multiplied by DTCOR
l2events	2519067	Number of level 2 events

