

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 14887 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 1 2014

See axaff14887N002_VV002_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.31
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	11.259159116209

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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Because of an onboard ACIS glitch of unknown cause, the bias maps for CCD chips 0, 1, 2, and 3 were not included in the telemetry stream for transmission to the ground. In addition, only part of the bias map for CCD chip 7 was included in the telemetry stream. There was no problem in the acquisition and onboard processing of the event data. The bias maps were available to ACIS throughout the observation and were used for event thresholding. There is no negative impact on the science quality of the data. ==== The bias maps that were not available in telemetry have been replaced using scaled data from similar bias maps taken near in time and at similar focal plane temperature. Initial overclock values for each chip were not available in telemetry; they were calculated using the PHA values of the outer 16 pixels of each event island as a measure of the scaling factor required. These calculations were made by the ACIS Team. ==== The portion of the bias map for CCD 7 that was included in telemetry was used, but the missing portion was replaced

according to established procedure with a partial bias map is received. The procedure finds a bias map taken near in time and temperature, then scales the bias values to match the median of the affected node.

seq_num	502011	Sequence number
obs_id	14887	Observation id
title	Chandra observations of 4 Fermi-LAT-detected Supernova Remnants with pulsar-like gamma-ray emission	Proposal title
observer	Dr. Pablo Saz Parkinson	Principal investigator
object	G359.1+0.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.73625	Observer's specified target RA [deg]
dec_targ	-29.140194	Observer's specified target Dec [deg]
ra_nom	264.73335019707	Nominal RA [deg]
dec_nom	-29.132555069992	Nominal Dec [deg]
roll_nom	90.998630828485	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11259.159116209	Sum of GTIs [s]
livetime	11112.049913483	Livetime [s]
ontime0	11262.300086617	Sum of GTIs [s]
ontime1	11262.300086617	Sum of GTIs [s]
ontime2	11262.300086617	Sum of GTIs [s]
ontime3	11259.159116209	Sum of GTIs [s]
ontime7	11262.300086617	Sum of GTIs [s]
l2events	69711	Number of level 2 events

