

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4591 - L2 Version 7
Chandra X-Ray Center

L2 Processing Date : Oct 7 2020

See axaff04591N006_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.497

Comments

Charge time for this observation remains at previous value of 41.497 ksec, although with the current processing the charge time would have been 41.446 ksec.

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This observation was interrupted by safing of the science instruments due to high solar radiation environment. The observation was interrupted at 2004:213:12:01.

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A spatial region of the original bias map for CCD = 8 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 8 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by sky coords:
(260.62122, -36.07512), (260.62030, -36.07026), (260.52182, -36.08247), (260.52274, -36.08733).

seq_num	500416	Sequence number
obs_id	4591	Observation id
title	A Chandra Search for Crab-like Supernova Remnants	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	SNR G351.2+0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.616667	Observer's specified target RA [deg]
dec_targ	-36.183333	Observer's specified target Dec [deg]
ra_nom	260.62313031009	Nominal RA [deg]
dec_nom	-36.209799182566	Nominal Dec [deg]
roll_nom	278.72765902843	Nominal Roll [deg]
revision	7	Processing version of data
ontime	41446.3998456	Sum of GTIs [s]
livetime	40921.580574729	Livetime [s]
ontime2	41158.842717439	Sum of GTIs [s]
ontime3	41170.915346116	Sum of GTIs [s]
ontime5	41446.3998456	Sum of GTIs [s]
ontime6	41190.361267656	Sum of GTIs [s]
ontime7	41446.3998456	Sum of GTIs [s]
ontime8	41204.421939999	Sum of GTIs [s]
l2events	533887	Number of level 2 events

