

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 5586 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 9 2020

See axaff05586N004_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	54.42523

Comments

This observation was taken during a high radiation environment. Chip S4 of this observation has a very high background due to the radiation. In this case the events due to radiation on chip S4 were not completely removed in the Level 2 processing. I note spikes in the count rates at about 31 ksec and 35 ksec into the observation. The outer portion of the supernova remnant directly east of the pulsar falls on S4. The science goals of this proposal do not include analysis of the supernova shell or outer shocks, so the radiation issues do not affect the science quality of the data. While the front illuminated chips have several intervals of non-Good-Time, the back illuminated chips, including the target, have nearly complete Good Time coverage.

seq_num	500575	Sequence number
obs_id	5586	Observation id
title	In Search of Vela-like Pulsars and their Wind Nebulae	Proposal tit
observer	Zaven Arzoumanian	Principal investigator
object	SNR G76.9+1.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	305.584167	Observer's specified target RA [deg]
dec_targ	38.706917	Observer's specified target Dec [deg]
ra_nom	305.57400335742	Nominal RA [deg]
dec_nom	38.710558433551	Nominal Dec [deg]
roll_nom	186.71912913729	Nominal Roll [deg]
revision	4	Processing version of data
ontime	54424.210888565	Sum of GTIs [s]
livetime	53735.058759968	Livetime [s]
ontime2	51040.664785773	Sum of GTIs [s]
ontime3	52281.797364712	Sum of GTIs [s]
ontime5	54424.169868469	Sum of GTIs [s]
ontime6	51773.00394994	Sum of GTIs [s]
ontime7	54424.210888565	Sum of GTIs [s]
ontime8	53299.425241888	Sum of GTIs [s]
l2events	666849	Number of level 2 events

