

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1928 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 18 2012

See axaff01928N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.28

Comments

Phase constraint met.

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Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates (x=4165.94, y=4119.03) into the *srcla.fits file table. These corrected coordinates were determined using a software tool developed by CXC called findzero, which is expected to be released in CIAO as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in this processing. The newly determined zeroth order coordinates have been placed in the *srcla.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data.

seq_num	400141	Sequence number
obs_id	1928	Observation id
title	DYNAMICS OF THE IONIZED STELLAR WIND IN VELA X-1	Proposal title
observer	PROF. STEVEN KAHN	Principal investigator
object	VELA X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.52875	Observer's specified target RA [deg]
dec_targ	-40.554694	Observer's specified target Dec [deg]
ra_nom	135.54100521106	Nominal RA [deg]
dec_nom	-40.557743204543	Nominal Dec [deg]
roll_nom	352.16467932461	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30280.400053069	Sum of GTIs [s]
livetime	29566.626895544	Livetime [s]
ontime4	30278.659042969	Sum of GTIs [s]
ontime5	30278.659042969	Sum of GTIs [s]
ontime6	30280.400053069	Sum of GTIs [s]
ontime7	30280.400053069	Sum of GTIs [s]
ontime8	30278.659042969	Sum of GTIs [s]
ontime9	30280.400053069	Sum of GTIs [s]
l2events	1242247	Number of level 2 events

