

# V&V Summary Report

## L2 ASCDS Version : 7.6.9

Observation 1927 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Dec 8 2006

See axaff01927N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.141

## Comments

Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates into the \*src1a.fits file. These corrected coordinates were determined using the software tool findzero.sl in ISIS, a CXC software package for data analysis. The tool calculates the intersection point of the readout streak and the MEG arm (preferred position), or the readout streak and the heg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in the extraction of the spectrum because it found a zeroth order position on the wings of the PSF due to the piled up profile. The \*pha2.fits file has the extracted spectral data based on the corrected zeroth order position. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect with the default parameters on the data.

seq_num	400140
obs_id	1927
title	DYNAMICS OF THE IONIZED STELLAR WIND IN VELA X-1
observer	PROF. STEVEN KAHN
object	VELA X-1
dtcycle	0
cycle	P
ra_targ	135.52875
dec_targ	-40.554694
ra_nom	135.54102096121
dec_nom	-40.55774886764
roll_nom	352.16469858626
revision	2
ontime	30140.959032744
livetime	29430.472795378
ontime4	30142.700052842
ontime5	30142.700052842
ontime6	30140.959062666
ontime7	30140.959032744
ontime8	30140.959032744
ontime9	30140.959062666
l2events	470302

