V&V Summary Report
L2 ASCDS Version : 7.6.9

Observation 1928 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Dec 8 2006

See axaff01928N001_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.28

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 finndzero.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	400141
obs_id	1928
title	DYNAMICS OF THE IONIZED STELLAR WIND IN VELA X-1
observer	PROF. STEVEN KAHN
object	VELA X-1
dtycycle	0
cycle	P
ra_targ	135.52875
dec_targ	-40.554694
ra_nom	135.54100521106
dec_nom	-40.557743204543
roll_nom	352.16467932461
revision	3
ontime	30280.400053084
livetime	29566.626895558
ontime4	30278.659042984
ontime5	30278.659042984
ontime6	30280.400053084
ontime7	30280.400053084
ontime8	30278.659042984
ontime9	30280.400053084
l2events	1232292