

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 19953 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 23 2017

See axaff19953N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	72.076870142102

Comments

Zereth order piled up. The zereth order sky position was determined using a software tool developed by CXC called findzero, which is available in CIAO as part of the tgdetect2 tool. The tool calculates the point of intersection of the readout streak on the ACIS CCD and the meg or leg dispersed spectral arm, rather than using a centroid position of the source. The findzero results are more accurate than source centroid in this case.

===

Faint grating spectra can be seen in an image of bad events. This is probably due to pileup in the spectrum, causing migration to bad grades. This should be considered in analysis.

seq_num	401810	Sequence number
obs_id	19953	Observation id
title	Mapping the wind structure in Vela X-1	Proposal title
observer	Claude Canizares	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	135.53281471203	Nominal RA [deg]
dec_nom	-40.553116794898	Nominal Dec [deg]
roll_nom	327.15925994137	Nominal Roll [deg]
revision	1	Processing version of data
ontime	72076.870142102	Sum of GTIs [s]
livetime	70470.150706006	Livetime [s]
ontime4	72076.911182046	Sum of GTIs [s]
ontime5	72076.829102039	Sum of GTIs [s]
ontime6	72076.788062096	Sum of GTIs [s]
ontime7	72076.870142102	Sum of GTIs [s]
ontime8	72076.747022033	Sum of GTIs [s]
ontime9	72076.705982089	Sum of GTIs [s]
l2events	799650	Number of level 2 events

