

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 19952 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 20 2017

See axaff19952N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.569598527908

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.

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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	19952	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	135.52959054149	Nominal RA [deg]
dec_nom	-40.558555927114	Nominal Dec [deg]
roll_nom	223.64634375505	Nominal Roll [deg]
revision	1	Processing version of data
ontime	55569.598527908	Sum of GTIs [s]
livetime	54330.855033153	Livetime [s]
ontime4	55567.757497668	Sum of GTIs [s]
ontime5	55569.598527908	Sum of GTIs [s]
ontime6	55569.598527908	Sum of GTIs [s]
ontime7	55569.598527908	Sum of GTIs [s]
ontime8	55569.598527908	Sum of GTIs [s]
ontime9	55569.598527908	Sum of GTIs [s]
l2events	1489146	Number of level 2 events

