

V&V Summary Report

L2 ASCDS Version : 10.4.3.1

Observation 18621 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 2 2016

See [axaff18621N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.35950090766

Comments

Phase constraint met.== Zeroth order piled up. The zeroth 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	401813	Sequence number
obs_id	18621	Observation id
title	Ionization and Reflection Physics in SMC X-1	Proposal title
observer	Claude Canizares	Principal investigator
object	SMC X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	19.27125	Observer's specified target RA [deg]
dec_targ	-73.443333	Observer's specified target Dec [deg]
ra_nom	19.26834856429	Nominal RA [deg]
dec_nom	-73.445924778891	Nominal Dec [deg]
roll_nom	180.15384886655	Nominal Roll [deg]
revision	1	Processing version of data
ontime	32359.50090766	Sum of GTIs [s]
livetime	31596.718939841	Livetime [s]
ontime4	32359.50090766	Sum of GTIs [s]
ontime5	32359.50090766	Sum of GTIs [s]
ontime6	32359.50090766	Sum of GTIs [s]
ontime7	32359.50090766	Sum of GTIs [s]
ontime8	32359.47821784	Sum of GTIs [s]
ontime9	32359.437177896	Sum of GTIs [s]
l2events	574897	Number of level 2 events

