

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13716 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 27 2012

See axaff13716N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.028493954122

Comments

Standard data processing software did not correctly locate the zeroth order because a spatial exclusion window was used to limit the zeroth order image to 1 in 10 events. Manual intervention was used to input the correct sky coordinates ($x=4076.83$, $y=4087.95$) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called findzero, which is expected to be released in CIAO (currently in ISIS). The tool calculates the point of intersection 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 this processing. The newly determined zeroth order coordinates have been placed in the *src1a.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data. === 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	401402	Sequence number
obs_id	13716	Observation id
title	Testing the Wind-Jet Connection in a Black Hole Transient	Proposal
observer	Dr Joey Neilsen	Principal investigator
object	4U 1630-47	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.506708	Observer's specified target RA [deg]
dec_targ	-47.393	Observer's specified target Dec [deg]
ra_nom	248.50261483348	Nominal RA [deg]
dec_nom	-47.39182222589	Nominal Dec [deg]
roll_nom	99.440385230799	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30028.493954122	Sum of GTIs [s]
livetime	29277.525426922	Livetime [s]
ontime5	30028.452914119	Sum of GTIs [s]
ontime6	30028.411874115	Sum of GTIs [s]
ontime7	30028.493954122	Sum of GTIs [s]
ontime8	30028.370834112	Sum of GTIs [s]
l2events	1835965	Number of level 2 events

