

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 657 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff00657N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.95

Comments

Observation phase-constrained to 0.75-0.89.

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Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates (x=4078.96, y=4127.78) into the *srcla.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 as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg 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 *srcla.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

seq_num	400024	Sequence number
obs_id	657	Observation id
title	SPECTRAL VARIABILITY IN A SUPERGIANT X-RAY BINARY	Proposal title
observer	Bram Boroson	Principal investigator
object	4U 1700-37	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.9858	Observer's specified target RA [deg]
dec_targ	-37.84414	Observer's specified target Dec [deg]
ra_nom	255.98349569294	Nominal RA [deg]
dec_nom	-37.848390306678	Nominal Dec [deg]
roll_nom	269.52256048523	Nominal Roll [deg]
revision	4	Processing version of data
ontime	42948.857984513	Sum of GTIs [s]
livetime	42405.013684016	Livetime [s]
ontime4	42952.139984757	Sum of GTIs [s]
ontime5	42952.05790475	Sum of GTIs [s]
ontime6	42952.016864762	Sum of GTIs [s]
ontime7	42948.857984513	Sum of GTIs [s]
ontime8	42948.734864518	Sum of GTIs [s]
ontime9	42951.934784755	Sum of GTIs [s]
l2events	606550	Number of level 2 events

