

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 4439 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Feb 9 2013

See axaff04439N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.987

Comments

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=4189.67, y=4032.23) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called tg_findzo, available in CIAO. 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 *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.

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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

seq_num	400324	Sequence number
obs_id	4439	Observation id
title	Localization and Spectroscopy of the Millisecond X-Ray Pulsar XTE J1814-338	Proposal title
observer	Prof. Deepto Chakrabarty	Principal investigator
object	XTE J1814-338	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	273.416667	Observer's specified target RA [deg]
dec_targ	-33.766667	Observer's specified target Dec [deg]
ra_nom	273.42793312004	Nominal RA [deg]
dec_nom	-33.764087802062	Nominal Dec [deg]
roll_nom	25.346448129498	Nominal Roll [deg]
revision	5	Processing version of data
ontime	9983.9999628067	Sum of GTIs [s]
livetime	9857.5765436346	Livetime [s]
ontime4	9980.7589825094	Sum of GTIs [s]
ontime5	9983.9999628067	Sum of GTIs [s]
ontime6	9980.7589825094	Sum of GTIs [s]
ontime7	9983.9999628067	Sum of GTIs [s]
ontime8	9983.9999628067	Sum of GTIs [s]
ontime9	9980.7589825094	Sum of GTIs [s]
l2events	156248	Number of level 2 events

