

V&V Summary Report

L2 ASCDS Version : 10.4.1

Observation 16703 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 22 2015

See [axaff16703N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.9568001334667

Comments

The bias map for CCD_ID = 3 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD_ID = 3 has been recreated for this processing to remove this anomaly.

Bias map for chip 3 was reconstructed using scaled data from a comparable bias map for another observation to replace pixels affected by the anomaly.

seq_num	401625	Sequence number
obs_id	16703	Observation id
title	Following a black hole X-ray transient through the transition into quiescence	Proposal title
observer	Dr. RICHARD PLOTKIN	Principal investigator
object	V404Cyg	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	306.015958	Observer's specified target RA [deg]
dec_targ	33.867281	Observer's specified target Dec [deg]
ra_nom	306.01339429638	Nominal RA [deg]
dec_nom	33.864953562369	Nominal Dec [deg]
roll_nom	172.11057401367	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8956.8001334667	Sum of GTIs [s]
livetime	8843.3837370392	Livetime [s]
ontime2	8953.5590531826	Sum of GTIs [s]
ontime3	8956.8001334667	Sum of GTIs [s]
ontime5	8956.8001334667	Sum of GTIs [s]
ontime6	8953.5590430498	Sum of GTIs [s]
ontime7	8956.8001334667	Sum of GTIs [s]
ontime8	8956.8001334667	Sum of GTIs [s]
l2events	80857	Number of level 2 events

