

V&V Summary Report

L2 ASCDS Version : 10.4.3

Observation 18721 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 16 2015

See [axaff18721N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.926318345547

Comments

A spatial region of the original bias map for CCD = 1 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original 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 = 1 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

The pixels affected by the anomaly are bounded by sky coords:
(84.41259, -69.15005), (84.41700, -69.15738), (84.71055, -69.13496),
(84.70604, -69.12763).

seq_num	901116	Sequence number
obs_id	18721	Observation id
title	The Tarantula -- Revealed by X-rays (T-ReX): A Definitive Chandra Investigation of 30 Doradus	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	30 Doradus	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.676667	Observer's specified target RA [deg]
dec_targ	-69.100806	Observer's specified target Dec [deg]
ra_nom	84.687295542198	Nominal RA [deg]
dec_nom	-69.098360921353	Nominal Dec [deg]
roll_nom	12.218593894919	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25926.318345547	Sum of GTIs [s]
livetime	25598.023691701	Livetime [s]
ontime0	25932.800386429	Sum of GTIs [s]
ontime1	25932.800386429	Sum of GTIs [s]
ontime2	25926.318415642	Sum of GTIs [s]
ontime3	25926.318345547	Sum of GTIs [s]
ontime6	25932.800386429	Sum of GTIs [s]
ontime7	25932.800386429	Sum of GTIs [s]
l2events	171491	Number of level 2 events

