

V&V Summary Report

L2 ASCDS Version : 10.3.3

Observation 16447 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 30 2015

See axaff16447N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.212800405502

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:
(84.39321, -68.95262), (84.38381, -68.95215), (84.32904, -69.09024),
(84.33850, -69.09071).

seq_num	901116	Sequence number
obs_id	16447	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	84.680495672574	Nominal RA [deg]
dec_nom	-69.108857136234	Nominal Dec [deg]
roll_nom	262.2122574461	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27212.800405502	Sum of GTIs [s]
livetime	26868.215541187	Livetime [s]
ontime0	27212.800405502	Sum of GTIs [s]
ontime1	27212.800405502	Sum of GTIs [s]
ontime2	27212.800405502	Sum of GTIs [s]
ontime3	27212.800405502	Sum of GTIs [s]
ontime6	27212.800405502	Sum of GTIs [s]
ontime7	27212.800405502	Sum of GTIs [s]
l2events	166039	Number of level 2 events

