

V&V Summary Report

L2 ASCDS Version : 10.4

Observation 17660 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 8 2015

See axaff17660N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.06.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.45600058794

Comments

A spatial region of the original bias map for CCD = 0 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 = 0 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:

(84.21140, -69.06438), (84.21623, -69.07055), (84.59129, -69.03221),
(84.58636, -69.02605).

seq_num	901116	Sequence number
obs_id	17660	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	84.657583314891	Nominal RA [deg]
dec_nom	-69.105327432681	Nominal Dec [deg]
roll_nom	196.19086833734	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39456.00058794	Sum of GTIs [s]
livetime	38956.384950944	Livetime [s]
ontime0	39455.988342404	Sum of GTIs [s]
ontime1	39449.518756747	Sum of GTIs [s]
ontime2	39456.00058794	Sum of GTIs [s]
ontime3	39456.00058794	Sum of GTIs [s]
ontime6	39452.759587765	Sum of GTIs [s]
ontime7	39456.00058794	Sum of GTIs [s]
l2events	393942	Number of level 2 events

