

V&V Summary Report

L2 ASCDS Version : 10.4.3

Observation 18671 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 17 2015

See axaff18671N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.9456

Comments

Two discrete spatial regions 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.

One region affected by the anomaly is bounded by sky coords:

(84.88433, -69.21846), (84.87820, -69.18623), (84.80701, -69.18798),
(84.77853, -69.22106).

The other region affected by the anomaly is bounded by sky coords:

(84.95868, -69.12913), (84.95815, -69.12641), (84.70162, -69.13273),
(84.70212, -69.13545).

seq_num	901116	Sequence number
obs_id	18671	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	84.688247900802	Nominal RA [deg]
dec_nom	-69.098925943911	Nominal Dec [deg]
roll_nom	3.8194891888946	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25945.60038662	Sum of GTIs [s]
livetime	25617.061571959	Livetime [s]
ontime0	25945.60038662	Sum of GTIs [s]
ontime1	25942.359376311	Sum of GTIs [s]
ontime2	25945.60038662	Sum of GTIs [s]
ontime3	25945.60038662	Sum of GTIs [s]
ontime6	25945.60038662	Sum of GTIs [s]
ontime7	25945.60038662	Sum of GTIs [s]
l2events	207282	Number of level 2 events

