

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 18480 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 2016

See axaff18480N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9446758373976

## Comments

A spatial region of the original bias map for CCD = 3 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 = 3 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:  
(217.99369, 33.89059), (217.99359, 33.89522), (217.82561, 33.89238),  
(217.82572, 33.88774).

seq_num	901213	Sequence number
obs_id	18480	Observation id
title	An extended moderate-depth contiguous layer of the Chandra Bootes field	Proposal title
observer	Ralph Kraft	Principal investigator
object	Bootes Cy17-1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.83371	Observer's specified target RA [deg]
dec_targ	33.92225	Observer's specified target Dec [deg]
ra_nom	217.82568218342	Nominal RA [deg]
dec_nom	33.919609488448	Nominal Dec [deg]
roll_nom	181.21320530246	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9944.6758373976	Sum of GTIs [s]
livetime	9818.7503639796	Livetime [s]
ontime0	9944.5527174473	Sum of GTIs [s]
ontime1	9944.593757391	Sum of GTIs [s]
ontime2	9944.6347974539	Sum of GTIs [s]
ontime3	9944.6758373976	Sum of GTIs [s]
ontime6	9944.7579174042	Sum of GTIs [s]
ontime7	9944.7168774605	Sum of GTIs [s]
l2events	64310	Number of level 2 events

