

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 18231 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 28 2016

See axaff18231N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.081000369906

## Comments

Optional chip S2 was dropped.

A spatial region of the original bias maps for CCD = 0 and CCD = 2 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 maps for CCD = 0 and CCD = 2 have been reconstructed for this processing to remove this anomaly using scaled data from comparable bias maps from other observations.

The pixels on CCD = 0 affected by the anomaly are bounded by sky coords: (163.88385, 40.68499), (163.88024, 40.68378), (163.91133, 40.63085), (163.91597, 40.63032).

The affected pixels on CCD = 2 are bounded by sky coords: (163.69705, 40.57941), (163.69280, 40.57795), (163.74702, 40.48602), (163.75126, 40.48747).

seq_num	801559	Sequence number
obs_id	18231	Observation id
title	A Fossil Group in Formation	Proposal title
observer	Dr. Eric Miller	Principal investigator
object	SHK 1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.774167	Observer's specified target RA [deg]
dec_targ	40.456167	Observer's specified target Dec [deg]
ra_nom	163.75286991081	Nominal RA [deg]
dec_nom	40.486652829874	Nominal Dec [deg]
roll_nom	114.1163342304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	48081.000369906	Sum of GTIs [s]
livetime	47452.786703356	Livetime [s]
ontime0	48077.859309912	Sum of GTIs [s]
ontime1	48074.718259573	Sum of GTIs [s]
ontime2	48071.577108979	Sum of GTIs [s]
ontime3	48081.000369906	Sum of GTIs [s]
l2events	120641	Number of level 2 events

