

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 18145 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 20 2016

See axaff18145N001\_VV002\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.23
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	23.100430364728

## Comments

Optional chip S0 was dropped.

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The bias map for CCD\_ID = 9 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the 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 anomaly. The pixels affected by the anomaly are bounded by sky coords: (243.53470,65.40041), (243.54103,65.39066), (243.64358,65.40218), (243.63475,65.41165). This bias map cannot be repaired because there are no acceptable, nearby observations that meet the selection criteria.

seq_num	703211	Sequence number
obs_id	18145	Observation id
title	Picturing Feedback in Action: from the innermost nuclear region to the Galaxy Scale	Proposal title
observer	Dr. Fabrizio Nicastro	Principal investigator
object	Mkn 876	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	243.488333	Observer's specified target RA [deg]
dec_targ	65.719444	Observer's specified target Dec [deg]
ra_nom	243.49348032629	Nominal RA [deg]
dec_nom	65.720862584361	Nominal Dec [deg]
roll_nom	105.15192575856	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23100.430364728	Sum of GTIs [s]
livetime	22798.606235723	Livetime [s]
ontime5	23100.389324784	Sum of GTIs [s]
ontime6	23100.348284721	Sum of GTIs [s]
ontime7	23100.430364728	Sum of GTIs [s]
ontime8	23097.166234612	Sum of GTIs [s]
ontime9	23100.266204715	Sum of GTIs [s]
l2events	230292	Number of level 2 events

