

# V&V Summary Report

## L2 ASCDS Version : 10.5.2

Observation 18980 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 7 2017

See axaff18980N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9024000730515

## Comments

A spatial region of the original bias map for 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 map for CCD = 2 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:

(257.37769,-25.31985), (257.37347,-25.31969), (257.36688,-25.45903),  
(257.37110,-25.45918).

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An unusual artifact exists in the level 1 event file. The artifact is about 3 arcmin long and is possibly the result of a grazing cosmic ray hit. The artifact is filtered from the data and does not exist in the Level 2 event file.

Care should be taken when analyzing or reprocessing Level 1 events.

seq_num	401848	Sequence number
obs_id	18980	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	John Tomsick	Principal investigator
object	IGR J17096-2527	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.432083	Observer's specified target RA [deg]
dec_targ	-25.47	Observer's specified target Dec [deg]
ra_nom	257.42852473094	Nominal RA [deg]
dec_nom	-25.462109661007	Nominal Dec [deg]
roll_nom	87.570649781276	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4902.4000730515	Sum of GTIs [s]
livetime	4840.3229314555	Livetime [s]
ontime0	4895.9179724455	Sum of GTIs [s]
ontime1	4902.4000730515	Sum of GTIs [s]
ontime2	4902.4000730515	Sum of GTIs [s]
ontime3	4902.4000730515	Sum of GTIs [s]
ontime6	4902.4000730515	Sum of GTIs [s]
ontime7	4902.4000730515	Sum of GTIs [s]
l2events	35358	Number of level 2 events

