

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 19029 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff19029N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.047400115848

## 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 ( $\sim 20$  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: (212.27817,52.25287), (212.28669,52.25726), (212.22637,52.30087), (212.21352,52.29960).

seq_num	502679	Sequence number
obs_id	19029	Observation id
title	Chandra Observations of Extreme Mass Loss from the Progenitors of Luminous Type II <sub>n</sub> SNe	Proposal title
observer	Maria Drout	Principal investigator
object	PS12kn	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.91625	Observer's specified target RA [deg]
dec_targ	52.243833	Observer's specified target Dec [deg]
ra_nom	211.91928772591	Nominal RA [deg]
dec_nom	52.243697253891	Nominal Dec [deg]
roll_nom	130.49322135014	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15047.400115848	Sum of GTIs [s]
livetime	14850.794755599	Livetime [s]
ontime3	15047.400115848	Sum of GTIs [s]
ontime5	15047.400115848	Sum of GTIs [s]
ontime6	15044.259055734	Sum of GTIs [s]
ontime7	15047.400115848	Sum of GTIs [s]
ontime8	15047.400115848	Sum of GTIs [s]
l2events	172901	Number of level 2 events

