

# V&V Summary Report

## L2 ASCDS Version : 10.7

Observation 21158 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Nov 15 2018

See [axaff21158N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.107884478807

## Comments

One optional chip was dropped.

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:

(282.34772,-27.02541), (282.35567,-27.02506), (282.35201,-26.95534),  
(282.34424,-26.95895).

seq_num	201214	Sequence number
obs_id	21158	Observation id
title	Spin-down, dynamos and habitability: Chandra/K2 exploration of nearby M dwarfs	Proposal title
observer	Beate Stelzer	Principal investigator
object	EPIC 214269391	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	282.588333	Observer's specified target RA [deg]
dec_targ	-26.923611	Observer's specified target Dec [deg]
ra_nom	282.59331881592	Nominal RA [deg]
dec_nom	-26.927021522633	Nominal Dec [deg]
roll_nom	272.78734123879	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10107.884478807	Sum of GTIs [s]
livetime	9975.8175267755	Livetime [s]
ontime1	10107.720318794	Sum of GTIs [s]
ontime2	10107.761358857	Sum of GTIs [s]
ontime3	10107.802398801	Sum of GTIs [s]
ontime6	10104.702448726	Sum of GTIs [s]
ontime7	10107.884478807	Sum of GTIs [s]
l2events	72647	Number of level 2 events

