

# V&V Summary Report

## L2 ASCDS Version : 10.7

Observation 20333 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Nov 15 2018

See [axaff20333N002\\_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	16.051435147643

## Comments

A spatial region of the original bias map for CCD = 8 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 = 8 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: (24.12673,15.90646), (24.12669,15.90933), (24.08568,15.90882), (24.09651,15.90609).

seq_num	503026	Sequence number
obs_id	20333	Observation id
title	Direct Observation of Accretion onto a Hypernova's Newly Formed Black Hole	Proposal title
observer	Dan Milisavljevic	Principal investigator
object	SN2002ap	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.099583	Observer's specified target RA [deg]
dec_targ	15.753667	Observer's specified target Dec [deg]
ra_nom	24.104380894974	Nominal RA [deg]
dec_nom	15.749595587003	Nominal Dec [deg]
roll_nom	270.69960569773	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16051.435147643	Sum of GTIs [s]
livetime	15841.711330544	Livetime [s]
ontime3	16051.312027693	Sum of GTIs [s]
ontime5	16051.394107699	Sum of GTIs [s]
ontime6	16051.353067636	Sum of GTIs [s]
ontime7	16051.435147643	Sum of GTIs [s]
ontime8	16051.27098763	Sum of GTIs [s]
l2events	196650	Number of level 2 events

