

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20280 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 27 2020

See [axaff20280N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.059827476859

Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:
(346.79310, -62.89871), (346.78850, -62.90067), (346.87327, -62.94194),
(346.87828, -62.94018).

seq_num	502979	Sequence number
obs_id	20280	Observation id
title	Rapid Observations of Short-Duration Gamma-Ray Bursts: Accurate Positions Hold the Key to the Progenitor Population	Proposal title
observer	Edo Berger	Principal investigator
object	sGRB180727A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	346.666333	Observer's specified target RA [deg]
dec_targ	-63.05	Observer's specified target Dec [deg]
ra_nom	346.6667664575	Nominal RA [deg]
dec_nom	-63.05131270451	Nominal Dec [deg]
roll_nom	42.864370963281	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20059.827479601	Sum of GTIs [s]
livetime	19797.73106575	Livetime [s]
ontime5	20059.786439657	Sum of GTIs [s]
ontime6	20059.745399594	Sum of GTIs [s]
ontime7	20059.827479601	Sum of GTIs [s]
ontime8	20056.563299417	Sum of GTIs [s]
l2events	221490	Number of level 2 events

