

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20378 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 24 2020

See [axaff20378N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.0489000697136

Comments

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

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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 (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. In this case, the bias map for CCD = 8 could not be improved because no suitable data at a compatible temperature and time range are available to use as replacement values. The bias map used in this processing is the original bias map telemetered with the observation.

seq_num	703483	Sequence number
obs_id	20378	Observation id
title	HEAVILY REDDENED, LUMINOUS TYPE 1 QSOs: A TRANSITION POPULATION EMERGING FROM THE DUST	Proposal title
observer	Enrico Piconcelli	Principal investigator
object	VHSJ2130-4930	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	322.749167	Observer's specified target RA [deg]
dec_targ	-49.503194	Observer's specified target Dec [deg]
ra_nom	322.75213678503	Nominal RA [deg]
dec_nom	-49.502595000027	Nominal Dec [deg]
roll_nom	143.87515252789	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9048.9000697136	Sum of GTIs [s]
livetime	8930.6695285995	Livetime [s]
ontime2	9048.9000697136	Sum of GTIs [s]
ontime3	9048.9000697136	Sum of GTIs [s]
ontime6	9048.9000697136	Sum of GTIs [s]
ontime7	9048.9000697136	Sum of GTIs [s]
ontime8	9048.9000697136	Sum of GTIs [s]
l2events	61256	Number of level 2 events

