

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20373 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See axaff20373N003_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	9.0539774467945

Comments

A spatial region of the original bias maps for CCD = 2 and 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 maps for CCD = 2 and CCD = 6 have been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

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The affected pixels on CCD = 2 are bounded by sky coords:

(307.56310,-57.53610), (307.55803,-57.53591), (307.54106,-57.66060),
(307.54611,-57.66106).

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The affected pixels on CCD = 6 are bounded by sky coords:

(307.10093,-57.49522), (307.09956,-57.50460), (307.14566,-57.50654),
(307.16145,-57.49776).

seq_num	703478	Sequence number
obs_id	20373	Observation id
title	HEAVILY REDDENED, LUMINOUS TYPE 1 QSOs: A TRANSITION POPULATION EMERGING FROM THE DUST	Proposal title
observer	Enrico Piconcelli	Principal investigator
object	VHSJ2028-5740	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	307.209167	Observer's specified target RA [deg]
dec_targ	-57.668111	Observer's specified target Dec [deg]
ra_nom	307.2114564516	Nominal RA [deg]
dec_nom	-57.668901530099	Nominal Dec [deg]
roll_nom	85.528689545348	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9053.9774501324	Sum of GTIs [s]
livetime	8935.6805693052	Livetime [s]
ontime2	9053.8132901192	Sum of GTIs [s]
ontime3	9053.8953701258	Sum of GTIs [s]
ontime6	9053.9364101887	Sum of GTIs [s]
ontime7	9053.9774501324	Sum of GTIs [s]
ontime8	9053.8543301821	Sum of GTIs [s]
l2events	60952	Number of level 2 events

