

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 20974 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See [axaff20974N003_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	32.077509231329

Comments

Window constraint was met.

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Two optional chips were dropped.

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A spatial region of the original bias map for CCD = 0 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 = 0 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: (98.13541,5.60858), (98.13925,5.60961), (98.12717,5.65382), (98.12261,5.65542).

seq_num	402023	Sequence number
obs_id	20974	Observation id
title	X-RAY IMAGING OF THE HIGH-MASS GAMMA-RAY BINARY HESS J0632+057	Pro
observer	Oleg Kargaltsev	Principal investigator
object	HESS J0632+057	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.2475	Observer's specified target RA [deg]
dec_targ	5.799972	Observer's specified target Dec [deg]
ra_nom	98.248492469364	Nominal RA [deg]
dec_nom	5.7910373289795	Nominal Dec [deg]
roll_nom	285.19910703562	Nominal Roll [deg]
revision	3	Processing version of data
ontime	32077.509234786	Sum of GTIs [s]
livetime	31658.392961515	Livetime [s]
ontime0	32077.386114836	Sum of GTIs [s]
ontime1	32077.427154779	Sum of GTIs [s]
ontime2	32064.90411377	Sum of GTIs [s]
ontime3	32077.509234786	Sum of GTIs [s]
l2events	90135	Number of level 2 events

