V&V Summary Report
L2 ASCDS Version : 10.9.1

Observation 6217 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See axaff06217N005_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.15477

Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the
reported value of the ACIS FP temperature was ~1.3 degrees warmer than
the actual temperature. The value for FP temperature reported in the
headers of the Level 2 event file and the Mission Timeline files ARE
INCORRECT by this amount for this processing. However, the temperature
is corrected in the processing in order to obtain the correct
temperature for the CTI correction. So the calibrated data are correct.
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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:
(215.32446,52.97173),(215.32006,52.97430),(215.23277,52.91999),(215.2371
6,52.91742).

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Roll constraint was met.

seq_num	900351	Sequence number
obs_id	6217	Observation id
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	Extended Groth Strip (EGS)	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.849579	Observer's specified target RA [deg]
dec_targ	52.842415	Observer's specified target Dec [deg]
ra_nom	214.84671842044	Nominal RA [deg]
dec_nom	52.83699638655	Nominal Dec [deg]
roll_nom	316.20570658909	Nominal Roll [deg]
revision	5	Processing version of data
ontime	50154.7769728	Sum of GTIs [s]
livetime	49499.467888241	Livetime [s]
ontime0	50164.199903518	Sum of GTIs [s]
ontime1	50161.058943272	Sum of GTIs [s]
ontime2	50164.199903518	Sum of GTIs [s]
ontime3	50154.7769728	Sum of GTIs [s]
ontime6	50164.199903518	Sum of GTIs [s]
l2events	123021	Number of level 2 events