V&V Summary Report
L2 ASCDS Version : 10.9.1

Observation 7181 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 10 2020

See axaff07181N005_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	Repr+DD
V&V Charge Time	16.19439

Comments

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SAP Team: please reprocess using replacement bias file for chip 6.
===
The bias map for CCD_ID = 6 suffers from anomalously high bias values in
an 'exacto-knife'-shaped area of the bias file. Pixels in the event data
that have been bias-corrected by one of the 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_ID = 6 will
be recreated to remove this anomaly and the data will be reprocessed.
===
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.
===
Roll constraint was met.
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seq_num	900353	Sequence number
obs_id	7181	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	214.102081	Observer's specified target RA [deg]
dec_targ	52.334053	Observer's specified target Dec [deg]
ra_nom	214.10377117393	Nominal RA [deg]
dec_nom	52.328677909191	Nominal Dec [deg]
roll_nom	345.20101526403	Nominal Roll [deg]
revision	5	Processing version of data
ontime	16194.399968833	Sum of GTIs [s]
livetime	15982.808211096	Livetime [s]
ontime0	16188.117948592	Sum of GTIs [s]
ontime1	16194.399968833	Sum of GTIs [s]
ontime2	16194.399968833	Sum of GTIs [s]
ontime3	16194.399968833	Sum of GTIs [s]
ontime6	16194.399968833	Sum of GTIs [s]
l2events	44391	Number of level 2 events