V&V Summary Report
L2 ASCDS Version : 8.1.1

Observation 965 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 19 2009

See axaff00965N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.217

Comments

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The front-end processor designated FEP0 suffered from a rare problem.
As a result, the top half of the bias-map for CCD_ID 7 (the CCD
associated with FEP0) was corrupted for part of the observation
and
many invalid events were telemetered for this region. The standard
pipeline processing tools identify the problem and remove the
spurious
events from the Level 2 event file during the interval in
question.
Therefore, the effective exposure for the top half of CCD 7 is much less
than
the exposure for the bottome half of this CCD. The effect can be
clearly
seen in Level 1 event data. The time interval of the problem started
at 1999-10-14T19:13:22, so the first portion of the observation is
usable
for the full CCD 7. The GTI does not include the portion of the
observation affected by the FEP0 problem.
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Charge time for this ObsId remains at previous value of 11.217 ksec,
although with the current processing the charge time would have been
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The focal plane temperature is approximately -110 C during this
observation. This reprocessing of the data applies no CTI correction
because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature,
because it was early in the mission, and ACIS had not yet been lowered
to the standard -119.7 C. Both front and back illuminated chips are
affected. However a T_GAIN correction has been applied to the BI chips
(ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer
temperatures than it is at -119.7 C. Users whose science objectives
depend on the most accurate spectral response (ie: fitting line-rich
spectra) may notice an effect. Users whose science objectives do not
depend on the most accurate spectral response should not notice an
effect.

seq_num	800179	Sequence number
obs_id	965	Observation id
title	MASS DISTRIBUTIONS OF RELAXED CLUSTERS	Proposal title
observer	Dr Steve Murray	Principal investigator
object	A2256	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.04479	Observer's specified target RA
dec_targ	78.631	Observer's specified target Dec
ra_nom	256.14412077355	Nominal RA
dec_nom	78.598394943518	Nominal Dec
roll_nom	304.05461752161	Nominal Roll
revision	3	Processing version of data
ontime	11177.990969762	Sum of GTIs [s]
livetime	11036.448517525	Livetime [s]
ontime1	13594.429783642	Sum of GTIs [s]
ontime3	13513.405898094	Sum of GTIs [s]
ontime6	13937.971097074	Sum of GTIs [s]
ontime7	11177.990969762	Sum of GTIs [s]
ontime8	13957.416928105	Sum of GTIs [s]
ontime9	13847.224560313	Sum of GTIs [s]
l2events	223322	Number of level 2 events