V&V Summary Report
L2 ASCDS Version : 8.3.3

Observation 52 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Nov 9 2010

See axaff00052N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.11.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.28

Comments

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In spite of the title of this observation, the grating was not inserted
during the exposure. While this exposure was being taken, the launch
lock pins were removed from the HETG. This observation was stopped
before the HETG was inserted. Very piled up: large portion of center
screened as 'bad' events image shows crown-like spikes = mirror
segments.
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The bias map for CCD_ID = 7 suffered from anomalously high bias values
at the position of the target. The spacecraft was already at the
position of the target when the bias maps were calculated and thus
contaminated
the bias map. Pixels in the event data were previously bias-corrected
by one of the affected bias pixels may have an apparent energy shift.
The bias map for CCD_ID=7 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:
(79.13203,46.00488),(79.13146,45.99437),(79.20841,45.99234),(79.20899,46
.00284)
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The focal plane temperature is approximately -100 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	290021	Sequence number
obs_id	52	Observation id
title	GRATINGS CALIBRATION OBSERVATION OF AN EMISSION LINE SOURCE: CAPELLA	
observer	Dr. CXC Calibration	Principal investigator
object	CAPELLA	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.17625	Observer's specified target RA
dec_targ	45.997889	Observer's specified target Dec
ra_nom	79.179811192945	Nominal RA
dec_nom	46.002682620423	Nominal Dec
roll_nom	87.781563666675	Nominal Roll
revision	6	Processing version of data
ontime	1278.7101904228	Sum of GTIs [s]
livetime	1262.5183920449	Livetime [s]
ontime4	1278.6281104237	Sum of GTIs [s]
ontime5	1278.6691504195	Sum of GTIs [s]
ontime6	1278.5049904212	Sum of GTIs [s]
ontime7	1278.7101904228	Sum of GTIs [s]
ontime8	1278.5870704204	Sum of GTIs [s]
ontime9	1278.5460304245	Sum of GTIs [s]
l2events	18232	Number of level 2 events