V&V Summary Report
L2 ASCDS Version : 8.3.2.1

Observation 1199 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 16 2010

See axaff01199N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.071

Comments

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Charge time for this ObsId remains at original value of 2.071 ks,
although
with the current processing the charge time would have been 2.092 ksec.
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This obsid has several problems. There is significant data corruption
during the first 20-35 ksec of the observation. The observation began
with the HETG inserted. The HETG was retracted with hardware commands,
then a procedure was run to insert and retract the HETG with software
commands. This procedure failed, so HETG was inserted and retracted with
hardware commands. This resulted in 2 separate intervals of HETG data.
The data corruption at the beginning of the observation affected the
bias files. The data corruption only occurred on the SSR playback. The
realtime data were good and were used
to produce the bias files. MTA records indicate HETG was inserted
52364700-52368000 and 52371000-52373400, that is Aug 30,1999 01:43:57 to
02:38:57 and 03:28:57 to 04:08:57. Due to data corruption during the
first
part of this obsid, this processing only includes the second period when
the
HETG was inserted. It should be noted that there is a short period
between
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included
in this processing.
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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	280149	Sequence number
obs_id	1199	Observation id
title		Proposal title
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	79.182043921641	Nominal RA
dec_nom	45.999303244269	Nominal Dec
roll_nom	88.577224516037	Nominal Roll
revision	4	Processing version of data
ontime	2092.6361611634	Sum of GTIs [s]
livetime	2066.1379420566	Livetime [s]
ontime4	2067.5658103302	Sum of GTIs [s]
ontime5	2082.913200736	Sum of GTIs [s]
ontime6	2080.4064912498	Sum of GTIs [s]
ontime7	2092.6361611634	Sum of GTIs [s]
ontime8	2076.4313900247	Sum of GTIs [s]
ontime9	2089.3952008933	Sum of GTIs [s]
l2events	30789	Number of level 2 events