

V&V Summary Report

L2 ASCDS Version : 8.2.1

Observation 526 - L2 Version 7
Chandra X-Ray Center

L2 Processing Date : May 17 2011

See axaff00526N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2011.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.616

Comments

Charge time for this ObsId remains at original value of 1.616 ks, although with the current processing the charge time would have been 1.613 ksec.
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Due to an operational error, the bias files intended for use in this observation have the wrong FEP/CCD combination. In addition, only 5 of these bias files are available, while 6 CCDs were turned on for this observation. Another problem is that the level 0 exposure files had apparent corruption. These problems have been addressed by modifying the level 0 exposure files to make them consistent with the data, and by using manual processing steps to assign the correct bias files to the correct CCD chip. The missing bias file was replaced with the scaled version of a nearby appropriate bias file for that chip.
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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.

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Note: Bias images do not display for the V&V report for this obsid because of the manual steps taken during the processing to force the correct bias files to be used for the correct CCD. The bias files have been independently verified.

seq_num	800034	Sequence number
obs_id	526	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	RX J0439.0+0715	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	69.755	Observer's specified target RA
dec_targ	7.26	Observer's specified target Dec
ra_nom	69.792552	Nominal RA
dec_nom	7.297429	Nominal Dec
roll_nom	84.634583	Nominal Roll
revision	7	Processing version of data
ontime	1612.800001502	Sum of GTIs [s]
liveltime	1592.3777567714	Livetime [s]
ontime0	1612.800001502	Sum of GTIs [s]
ontime1	1612.800001502	Sum of GTIs [s]
ontime2	1612.800001502	Sum of GTIs [s]
ontime3	1612.800001502	Sum of GTIs [s]
ontime6	1612.800001502	Sum of GTIs [s]
ontime7	1612.800001502	Sum of GTIs [s]
l2events	12664	Number of level 2 events

