

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1226 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See axaff01226N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.5

Comments

Due to software issues that affected the spacecraft load, 2 guide stars and one fid light were not acquired for this observation. This observation was taken very early in the mission while parameters and procedures were being optimized. There may be an effect on the aspect solution.

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Charge time for this ObsId remains at previous value of 24.5 ks, although with the current processing the charge time would have been 24.7 ksec.

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A high radiation environment during this observation resulted in several periods of enhanced count rates throughout the observation. The investigator should take care to identify these periods by examining count rate vs time plot in mtlacis plot page with this report.

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The focal plane temperature is approximately -100 C during this

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	880176	Sequence number
obs_id	1226	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	RXJ003033.2+261819	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.638333	Observer's specified target RA
dec_targ	26.305278	Observer's specified target Dec
ra_nom	7.636790175355	Nominal RA
dec_nom	26.3104489214	Nominal Dec
roll_nom	129.83710806699	Nominal Roll
revision	3	Processing version of data
ontime	24732.513371445	Sum of GTIs [s]
livetime	24419.335395004	Livetime [s]
ontime2	24742.236242063	Sum of GTIs [s]
ontime3	24735.75432165	Sum of GTIs [s]
ontime5	24735.754361577	Sum of GTIs [s]
ontime6	24738.995251931	Sum of GTIs [s]
ontime7	24732.513371445	Sum of GTIs [s]
ontime8	24745.477142423	Sum of GTIs [s]
l2events	830531	Number of level 2 events

