

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1190 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See axaff01190N001_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	24.758

Comments

Only 3 of the 5 planned guide stars for this observation were acquired. Also, one fid light was not powered due to a software issue on the ground that affected the spacecraft load. This observation is from the early days of Chandra when parameters and procedures were still being optimized.

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A high radiation environment during this observation results in several periods of enhanced count rates.

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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

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	880140	Sequence number
obs_id	1190	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	7.6367926539704	Nominal RA
dec_nom	26.31044990722	Nominal Dec
roll_nom	129.68233052597	Nominal Roll
revision	3	Processing version of data
ontime	24755.200023055	Sum of GTIs [s]
livetime	24441.734774571	Livetime [s]
ontime2	24755.200023055	Sum of GTIs [s]
ontime3	24755.200023055	Sum of GTIs [s]
ontime5	24755.200023055	Sum of GTIs [s]
ontime6	24755.200023055	Sum of GTIs [s]
ontime7	24755.200023055	Sum of GTIs [s]
ontime8	24755.200023055	Sum of GTIs [s]
l2events	651979	Number of level 2 events

