

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1232 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01232N001_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	8.608

Comments

A very high radiation environment existed during the first approximately 6 ksec of this observation. An enhanced count rate resulted from this situation and is reflected in the GTI. Chip 7 is particularly affected with a very high background.

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Charge time for this ObsId remains at original value of 8.608 ksec, although with the current processing the charge time would have been 8.576 ksec.

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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.

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	280182	Sequence number
obs_id	1232	Observation id
title	CALIBRATION OBSERVATION NGC 2516 FOR BORESIGHTING AND PLATE SCALE	
observer	Dr. CXC Calibration	Principal investigator
object	NGC 2516	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	119.59	Observer's specified target RA
dec_targ	-60.7939	Observer's specified target Dec
ra_nom	119.5838230773	Nominal RA
dec_nom	-60.789051885001	Nominal Dec
roll_nom	146.20329430712	Nominal Roll
revision	3	Processing version of data
ontime	8575.5399930701	Sum of GTIs [s]
livetime	8466.9513421076	Livetime [s]
ontime0	8575.6623648405	Sum of GTIs [s]
ontime1	8747.3941807225	Sum of GTIs [s]
ontime2	8335.748840563	Sum of GTIs [s]
ontime3	8575.5399930701	Sum of GTIs [s]
ontime6	9003.3067777008	Sum of GTIs [s]
ontime7	9479.9338261411	Sum of GTIs [s]
l2events	1242864	Number of level 2 events

