

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1228 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See axaff01228N001_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	12.259

Comments

Slots 6 and 7 were not utilized in this observation.

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A high radiation environment between 2 and 4.5 ksec into the observation

caused an enhanced count rate during this period.

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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

seq_num	880178	Sequence number
obs_id	1228	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A2142	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.5825	Observer's specified target RA
dec_targ	27.229167	Observer's specified target Dec
ra_nom	239.57901355646	Nominal RA
dec_nom	27.224867407681	Nominal Dec
roll_nom	258.98650706568	Nominal Roll
revision	3	Processing version of data
ontime	12256.000011414	Sum of GTIs [s]
livetime	12100.807159593	Livetime [s]
ontime2	12256.000011414	Sum of GTIs [s]
ontime3	12256.000011414	Sum of GTIs [s]
ontime5	12256.000011414	Sum of GTIs [s]
ontime6	12252.759031281	Sum of GTIs [s]
ontime7	12256.000011414	Sum of GTIs [s]
ontime8	12256.000011414	Sum of GTIs [s]
l2events	545793	Number of level 2 events

