

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 532 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See [axaff00532N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.086

Comments

High radiation event near the beginning of this observation. There is some telemetry saturation, which is not included in the GTI.

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Charge time for this ObsId remains at previous value of 8.086 ksec, 8.069 ksec.

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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

effect.

seq_num	800040	Sequence number
obs_id	532	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	A697	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.740833	Observer's specified target RA
dec_targ	36.365	Observer's specified target Dec
ra_nom	130.79715401817	Nominal RA
dec_nom	36.390605647712	Nominal Dec
roll_nom	72.474508680657	Nominal Roll
revision	4	Processing version of data
ontime	8069.3973067105	Sum of GTIs [s]
livetime	7967.2177392052	Livetime [s]
ontime0	8082.3618558422	Sum of GTIs [s]
ontime1	8199.0356850624	Sum of GTIs [s]
ontime2	7994.8560596406	Sum of GTIs [s]
ontime3	8069.3973067105	Sum of GTIs [s]
ontime7	8098.5676347837	Sum of GTIs [s]
l2events	928777	Number of level 2 events

