

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 549 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See axaff00549N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.163

## Comments

This observation was terminated early in order to send up new ACIS parameter block that did not use FEP 0. The observation was repeated at a later time.

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Charge time for this ObsId remains at previous value of 0.163 ksec, although with the current processing the charge time would have been 0.160 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

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	800057	Sequence number
obs_id	549	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	RX J1720.1+2638	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.037083	Observer's specified target RA
dec_targ	26.635	Observer's specified target Dec
ra_nom	260.02111867034	Nominal RA
dec_nom	26.585267233252	Nominal Dec
roll_nom	296.12017191938	Nominal Roll
revision	3	Processing version of data
ontime	160.00000014901	Sum of GTIs [s]
livetime	157.97398380669	Livetime [s]
ontime0	160.00000014901	Sum of GTIs [s]
ontime1	160.00000014901	Sum of GTIs [s]
ontime2	160.00000014901	Sum of GTIs [s]
ontime3	160.00000014901	Sum of GTIs [s]
ontime6	160.00000014901	Sum of GTIs [s]
ontime7	160.00000014901	Sum of GTIs [s]
l2events	1740	Number of level 2 events

