

V&V Summary Report

L2 ASCDS Version : 8.3.2.1

Observation 22 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 14 2010

See [axaff00022N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.062

Comments

This observation was not taken with the requested parameters. As a result, it was interrupted and the correct parameters were loaded. The obsid was changed to 62620. Obsid 62520 contains the data from the requested observation.

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Charge time for this ObsId remains at original value of 1.062 ks, although with the current processing the charge time would have been 1.059 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	200020	Sequence number
obs_id	22	Observation id
title	ACIS OBSERVATION OF 30 DORADUS	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	30 DORADUS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.678542	Observer's specified target RA
dec_targ	-69.100833	Observer's specified target Dec
ra_nom	84.686380462359	Nominal RA
dec_nom	-69.095801271082	Nominal Dec
roll_nom	85.216044604575	Nominal Roll
revision	4	Processing version of data
ontime	1059.2000009865	Sum of GTIs [s]
livetime	1045.7877728003	Livetime [s]
ontime0	1059.2000009865	Sum of GTIs [s]
ontime1	1059.2000009865	Sum of GTIs [s]
ontime2	1059.2000009865	Sum of GTIs [s]
ontime3	1059.2000009865	Sum of GTIs [s]
ontime6	1059.2000009865	Sum of GTIs [s]
ontime7	1059.2000009865	Sum of GTIs [s]
l2events	14553	Number of level 2 events

