

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 66 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff00066N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.99

Comments

ACIS boresight and plate scale series.====

Charge time for this ObsId remains at previous value of 9.99 ksec, although with the current processing the charge time would have been 10.03 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.

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 effect.

seq_num	290035	Sequence number
obs_id	66	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	119.529583	Observer's specified target RA
dec_targ	-60.76	Observer's specified target Dec
ra_nom	119.52346272379	Nominal RA
dec_nom	-60.755591359886	Nominal Dec
roll_nom	148.71277452647	Nominal Roll
revision	4	Processing version of data
ontime	10031.040272236	Sum of GTIs [s]
livetime	9904.0212003415	Livetime [s]
ontime4	10034.199142456	Sum of GTIs [s]
ontime5	10034.240182452	Sum of GTIs [s]
ontime6	10034.076022454	Sum of GTIs [s]
ontime7	10031.040272236	Sum of GTIs [s]
ontime8	10030.917152233	Sum of GTIs [s]
ontime9	10034.117062457	Sum of GTIs [s]
l2events	521683	Number of level 2 events

