

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1770 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 30 2012

See [axaff01770N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.315

Comments

The focal-plane temperature was set to a temperature of about -109.2 C during this observation and others in the interval from September 17, 1999 to January 29, 2000. The current reprocessing of the data applies no charge-transfer inefficiency (CTI) adjustment to the data because the ACIS CTI adjustment has not been calibrated at this temperature. The CTI adjustment is calibrated for data taken from January 30, 2000 to the present, when the focal-plane temperature is set to -119.7 C. However, if the observation includes one or both back-illuminated CCDs ACIS-S1 and ACIS-S3, then a time-dependent gain adjustment is applied to the data for these CCDs. The ACIS spectral response calibration is less accurate at temperatures of about -109.2 C than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (i.e. fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response (e.g. those interested in imaging or timing analyses) should not notice an effect.

seq_num	590196	Sequence number
obs_id	1770	Observation id
title	HRC RESPONSE TO CONTINUUM SOURCE.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S3, T=110, Offsets=-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.36953601559	Nominal RA [deg]
dec_nom	-10.575837754566	Nominal Dec [deg]
roll_nom	205.32909070027	Nominal Roll [deg]
revision	5	Processing version of data
ontime	7308.7335641384	Sum of GTIs [s]
livetime	7216.1859789583	Livetime [s]
ontime0	7312.0000067949	Sum of GTIs [s]
ontime1	7311.8103743792	Sum of GTIs [s]
ontime2	7311.8514143825	Sum of GTIs [s]
ontime3	7311.8924543858	Sum of GTIs [s]
ontime6	7311.9334943742	Sum of GTIs [s]
ontime7	7308.7335641384	Sum of GTIs [s]
l2events	71720	Number of level 2 events

