

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 475 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff00475N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.857

Comments

ACIS-S Plate Focus using PKS 0637-752

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SIM FA = -646 (-645 actual)

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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	790036	Sequence number
obs_id	475	Observation id
title	PKS0637-752, an AGN used for focussing	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0637-752	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.94	Observer's specified target RA
dec_targ	-75.27	Observer's specified target Dec
ra_nom	98.933659175421	Nominal RA
dec_nom	-75.26486474382	Nominal Dec
roll_nom	131.54532952285	Nominal Roll
revision	3	Processing version of data
ontime	4855.4999919534	Sum of GTIs [s]
liveltime	4643.7452103609	Livetime [s]
ontime7	4855.4999919534	Sum of GTIs [s]
l2events	7919	Number of level 2 events

