

# V&V Summary Report

## L2 ASCDS Version : 8.2.1

Observation 1107 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 13 2010

See axaff01107N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.921

## Comments

ACIS PSF measurement on I3.

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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	780057	Sequence number
obs_id	1107	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0312-770	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.98	Observer's specified target RA
dec_targ	-76.864167	Observer's specified target Dec
ra_nom	47.998746035975	Nominal RA
dec_nom	-76.86058415102	Nominal Dec
roll_nom	64.213147979576	Nominal Roll
revision	2	Processing version of data
ontime	13924.577389523	Sum of GTIs [s]
livetime	13245.103576071	Livetime [s]
ontime3	13924.577389523	Sum of GTIs [s]
l2events	9899	Number of level 2 events

