

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 1059 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See axaff01059N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.76

## Comments

ACIS-S Crude Optical Axis Determination

Yoff = -3.0, Zoff = 2.8. Target very off-axis.

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Guide star in slot 6 was not acquired.

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High radiation environment contributes to enhanced count rate.

=== 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

effect.

seq_num	780009	Sequence number
obs_id	1059	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0637-752	Source name
dtcycle	0	&#160
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	98.940698528903	Nominal RA
dec_nom	-75.333025099106	Nominal Dec
roll_nom	134.93155425095	Nominal Roll
revision	2	Processing version of data
ontime	1758.7997610942	Sum of GTIs [s]
livetime	1736.5287794971	Livetime [s]
ontime2	1758.9228810966	Sum of GTIs [s]
ontime3	1758.8818410933	Sum of GTIs [s]
ontime5	1758.9639210925	Sum of GTIs [s]
ontime6	1758.7997610942	Sum of GTIs [s]
ontime7	1759.0049610958	Sum of GTIs [s]
ontime8	1758.8408010975	Sum of GTIs [s]
l2events	151159	Number of level 2 events

