

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1264 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See axaff01264N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.761

Comments

After the maneuver to this target, the guide stars were not acquired and the satellite went to Bright Star Hold. The telescope was in Kalman lock during most of the observation, using whatever bright stars it had acquired for pointing control. The data system does not have information

on the position and magnitude of the stars used for Bright Star Hold, and therefore no aspect solution (pointing reconstruction) has been calculated,

other than the OBC calculation.

This results in no GTI and no Level 2 events. There are events in the Level 1

event file, although artifacts of the dither pattern can be seen in the image.

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It is possible to determine the position and magnitude of each star used

for pointing control during a Bright Star Hold by a posterior calculations.

It was not deemed worthwhile for this observation, but could be done on

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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	780214	Sequence number
obs_id	1264	Observation id
title	 	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	99.325316	Observer's specified target RA
dec_targ	-75.360754	Observer's specified target Dec
ra_nom	99.217561009078	Nominal RA
dec_nom	-75.353958000909	Nominal Dec
roll_nom	137.35056218402	Nominal Roll
revision	2	Processing version of data
ontime	0.0	Sum of GTIs [s]
livetime	0.0	Livetime [s]
ontime2	0.0	Sum of GTIs [s]
ontime3	0.0	Sum of GTIs [s]
ontime5	0.0	Sum of GTIs [s]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
ontime8	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events

