V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 1265 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See axaff01265N001_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	1

Comments

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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. Three guide star slots were used during
the Bright Star Hold, although the software does not have reliable
knowledge of
the identity of these stars. No fid lights were acquired. An aspect
solution was calculated, but is
unreliable.
There is no GTI interval 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
request.
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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.
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Charge time remains at previous value of 1 ksec, although the current processing would give a charge time of 0.0 ksec.

seq_num	780215	Sequence number
obs_id	1265	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0637-752	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.602155	Observer's specified target RA
dec_targ	-75.361052	Observer's specified target Dec
ra_nom	98.494578357036	Nominal RA
dec_nom	-75.353842165399	Nominal Dec
roll_nom	136.63987974578	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