V&V Summary Report
L2 ASCDS Version : 8.3.2

Observation 473 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 9 2010

See axaff00473N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

```
ACIS-S Plate Focus using PKS 0637-752. SIM FA = -438 (start).
===
Charge time for this ObsId remains at original value of 5.0 ks,
although
with the current processing the charge time would have been 3.605 ksec.
===
Guide star in slot 7 not utilized in this obsid.
===
This obsid is part of 'Jeff's SSR Corruption' list. This particular
instance of the corrupted dump data has no realtime data to substitute
AND has the unfortunate acis start science data for obsid 473 among the
corrupt vcdus.
In summary for Repro-I it was decided best way to process was to use two
dump files. One dump with gap covering vcdus 400868-407396 to make all
strip files except acis and sim. Then a complete dump to create acis and
sim strip files. The acis L0 products will have some corrupted fits data
rows (things like time and expno jumps) that need to be manually deleted
from TP_ADE pipe output files. Then in Repro3 the aspect pipe produces
bad slots across the board that cover the first 1800s of eng gap. This
is removed by introducing override obspar with new tstart+1800s in
repro3.
```

===
Between 0.8 and 1.0 ksec into the observation, a glitch in the
telemetered
data causes discontinuities in the aspect data. The user may want to
remove
the segment of the data affected by the corruption.
===
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	790034	Sequence number
obs_id	473	Observation id
title	PKS0637-752, an AGN used for focussing	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	98.94	Observer's specified target RA
dec_targ	-75.27	Observer's specified target Dec
ra_nom	98.933584379759	Nominal RA
dec_nom	-75.264857209273	Nominal Dec
roll_nom	131.67467127443	Nominal Roll
revision	4	Processing version of data
ontime	3605.3589739501	Sum of GTIs [s]
livetime	3448.1244968919	Livetime [s]
ontime7	3605.3589739501	Sum of GTIs [s]
l2events	2440	Number of level 2 events