V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 162 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff00162N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.19

Comments

```
Off-axis effective area measurement for ACIS-I3.
===
Charge time for this ObsId remains at original value of 13.19 ksec,
although with the current processing the charge time would have been
13.24 ksec.
=============
The guide star in slot 6 was removed from the aspect solution due to
poor data quality. The aspect solution is not expected to be degraded
by
removing one guide star from the solution.
===
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.
```

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	590030	Sequence number
obs_id	162	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I3, T=100, Offsets=-1,1,0 Std Can]	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA
dec_targ	-10.568528	Observer's specified target Dec
ra_nom	278.36843239681	Nominal RA
dec_nom	-10.588617537557	Nominal Dec
roll_nom	265.1809399575	Nominal Roll
revision	4	Processing version of data
ontime	13235.200012326	Sum of GTIs [s]
livetime	13067.607940489	Livetime [s]
ontime0	13235.200012326	Sum of GTIs [s]
ontime1	13235.200012326	Sum of GTIs [s]
ontime2	13235.200012326	Sum of GTIs [s]
ontime3	13235.200012326	Sum of GTIs [s]
ontime6	13235.200012326	Sum of GTIs [s]
ontime7	13235.200012326	Sum of GTIs [s]
l2events	153543	Number of level 2 events