V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 213 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See axaff00213N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.827

Comments

```
Off-axis ACIS effective area measurement Using Cas A on chip S2.
Only chip S2 contains data.
===
Charge time for this ObsId remains at previous value of 1.827 ksec,
although
with the current processing the charge time would have been 1.817 ksec.
==
Pileup throughout most of observation.
===
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
```

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	590081	Sequence number
obs_id	213	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S2, T=100, Offsets=6,0,0 Std Candle]	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA
dec_targ	58.814833	Observer's specified target Dec
ra_nom	351.0463128942	Nominal RA
dec_nom	58.781671312335	Nominal Dec
roll_nom	160.13677857516	Nominal Roll
revision	3	Processing version of data
ontime	1817.2420160472	Sum of GTIs [s]
livetime	1794.2310034283	Livetime [s]
ontime4	2352.0000021905	Sum of GTIs [s]
ontime5	2352.0000021905	Sum of GTIs [s]
ontime6	1817.2420160472	Sum of GTIs [s]
ontime7	2352.0000021905	Sum of GTIs [s]
ontime8	2352.0000021905	Sum of GTIs [s]
ontime9	2352.0000021905	Sum of GTIs [s]
l2events	427329	Number of level 2 events