V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 138 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff00138N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.76

Comments

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ACIS ship response to soft X-rays. ===
High radiation events 4-5 ksec and again at 7 ksec into the
observation.
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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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seq_num	590006	Sequence number
obs_id	138	Observation id
title	ACIS CHIP RESPONSE TO LINES WITH E=0.6-1.5 KEV	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S3, T=100, Offsets=-1,0,0]	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA
dec_targ	-72.032028	Observer's specified target Dec
ra_nom	16.061935130821	Nominal RA
dec_nom	-72.017486356111	Nominal Dec
roll_nom	48.215518770577	Nominal Roll
revision	2	Processing version of data
ontime	9756.8000090867	Sum of GTIs [s]
livetime	9633.253532532	Livetime [s]
ontime2	9701.7035358548	Sum of GTIs [s]
ontime3	9717.9085264131	Sum of GTIs [s]
ontime5	9756.8000090867	Sum of GTIs [s]
ontime6	9740.5952379331	Sum of GTIs [s]
ontime7	9756.8000090867	Sum of GTIs [s]
ontime8	9730.8722475693	Sum of GTIs [s]
l2events	369840	Number of level 2 events