V&V Summary Report
L2 ASCDS Version : 8.1.1

Observation 581 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See axaff00581N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.942

Comments

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Charge time is left at previous value of 43.9 ksec, although if the
charge time
was based on one of the 3 usable chips, it would be 18.787 ksec.
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Although this observation used 5 ACIS CCD chips, only 3 of the CCDs
have
useful data. Chips I0, I1, and I2 operated normally and data on these
chips can be analyzed. The bias file for chip I3 only contains 1 node
of acceptable bias data (node 1). A source falls at the edge of
this single good node on I3, but the source is dithered into the
adjoining bad node. Chip S2 suffers from a problem that produced an
anomalously large number of spurious error messages, saturating
telemetry.
Data on chip S2 are useless.
===
The focal plane temperature is approximately -110 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
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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	900002		Sequence number
obs_id	581		Observation id
title	ULTRA DEEP AXAF OBSERVATION WITH ACIS		Proposal title
observer	PROF. RICCARDO GIACCONI		Principal investigator
object	AXAF Southern Deep Field - ACIS-I		Source name
dtycycle	0		&#160
cycle	P		events from which exps? Prim/Second/Both
ra_targ	53.116667		Observer's specified target RA
dec_targ	-27.808333		Observer's specified target Dec
ra_nom	53.122131111627		Nominal RA
dec_nom	-27.80615922919		Nominal Dec
roll_nom	47.283076275191		Nominal Roll
revision	4		Processing version of data
ontime	43940.6583957		Sum of GTIs [s]
livetime	43384.255321206		Livetime [s]
ontime0	18275.028829388		Sum of GTIs [s]
ontime1	18787.154230446		Sum of GTIs [s]
ontime2	17092.132793248		Sum of GTIs [s]
ontime3	43940.6583957		Sum of GTIs [s]
ontime6	384.65552596003		Sum of GTIs [s]
l2events	134495		Number of level 2 events