V&V Summary Report
L2 ASCDS Version : 8.4.4

Observation 9578 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : May 23 2012

See axaff09578N004_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.0848003

Comments

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The detector housing of ACIS was cooled during this observation as a
test. The cooler temperatures caused migration of the fid light
positions as a function of the temperature. The aspect pipeline now does
a fid light correction for the ACIS detector housing temperature
variation and the aspect solution is acceptable.
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A spatial region of the original bias map for CCD = 0 suffered from
anomalously high data values. Pixels in the event data that were
bias-corrected by one of the original affected bias pixels may have an
apparent energy shift. While the change in energy is expected to be
small (~20 eV), it depends on many parameters that have not yet been
fully explored for this bias anomaly. The bias map for CCD = 0 has been
reconstructed for this processing to remove this anomaly using scaled
data from a comparable bias map from another observation. The pixels
affected by the anomaly are bounded by sky coords:
(53.29837,-27.79718),(53.29307,-27.78673),(53.27116,-27.79548),(53.28221
,-27.80363)
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seq_num	900737	Sequence number
obs_id	9578	Observation id
title	The Chandra Deep Field-South Survey: A Public Chandra Legacy	Propo
observer	Dr. Harvey Tananbaum	Principal investigator
object	Chandra Deep Field-South	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.1175	Observer's specified target RA [deg]
dec_targ	-27.81	Observer's specified target Dec [deg]
ra_nom	53.124319894403	Nominal RA [deg]
dec_nom	-27.804636968314	Nominal Dec [deg]
roll_nom	24.211858598473	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39084.800300598	Sum of GTIs [s]
livetime	38574.128610859	Livetime [s]
ontime0	39081.659300387	Sum of GTIs [s]
ontime1	39078.518369734	Sum of GTIs [s]
ontime2	39075.377349615	Sum of GTIs [s]
ontime3	39084.800300598	Sum of GTIs [s]
ontime6	39084.800300598	Sum of GTIs [s]
l2events	133706	Number of level 2 events