V&V Summary Report
L2 ASCDS Version : 8.5.1.1

Observation 13494 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 1 2014

See axaff13494N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.182900239825

Comments

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:
(42.99011,-48.58233),(42.99775,-48.58120),(42.97172,-48.50459),(42.96409
,-48.50571)

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These data have been reprocessed with new aspect alignment calibration
files that correct small mean offsets (up to 0.4 arcsecs) and improve
overall astrometric accuracy. The new calibration was determined using
data from the time period being reprocessed and was performed using
cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	801135	Sequence number
obs_id	13494	Observation id
title	Cosmology and Cluster Evolution from the 80 Most Massive Clusters in 2000 deg^2 from the South Pole Telescope Survey	Proposal title
observer	Dr. Bradford Benson	Principal investigator
object	SPT-CLJ0252-4824	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.187083	Observer's specified target RA [deg]
dec_targ	-48.412611	Observer's specified target Dec [deg]
ra_nom	43.208586731155	Nominal RA [deg]
dec_nom	-48.465123069171	Nominal Dec [deg]
roll_nom	282.85090129124	Nominal Roll [deg]
revision	3	Processing version of data
ontime	31182.900239825	Sum of GTIs [s]
livetime	30775.472691675	Livetime [s]
ontime0	31179.759269476	Sum of GTIs [s]
ontime1	31173.477328658	Sum of GTIs [s]
ontime2	31182.900239825	Sum of GTIs [s]
ontime3	31182.900239825	Sum of GTIs [s]
ontime6	31182.900239825	Sum of GTIs [s]
l2events	87351	Number of level 2 events