V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 13479 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 20 2012

See axaff13479N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.249159403861

Comments

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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:
(14.47994,-61.96975),(14.48650,-61.96916),(14.47450,-61.93957),(14.46794
,-61.94015)

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The bias maps for this observation were taken at an unusually high focal
plane temperature. This extreme focal plane temperature is out-of-spec
for the current temperature-dependent CTI correction for the data. The
primary difference between biases at different temperatures is that
there will potentially be more and stronger hot/warm pixels and columns
in the warmer bias. Until further calibration work is done, it is better
to use the current temperature-dependent CTI correction for this
observation that not to perform the correction. The user should pay
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particular attention to the first 5-10 ksec of this observation, which
is the time of the largest temperature gradient.

seq_num	801120	Sequence number
obs_id	13479	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-CLJ0058-6145	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	14.572917	Observer's specified target RA [deg]
dec_targ	-61.760111	Observer's specified target Dec [deg]
ra_nom	14.599293275924	Nominal RA [deg]
dec_nom	-61.813089753817	Nominal Dec [deg]
roll_nom	280.90176781434	Nominal Roll [deg]
revision	2	Processing version of data
ontime	51249.159403861	Sum of GTIs [s]
livetime	50579.551407167	Livetime [s]
ontime0	51249.159423828	Sum of GTIs [s]
ontime1	51249.15940392	Sum of GTIs [s]
ontime2	51246.018572867	Sum of GTIs [s]
ontime3	51249.159403861	Sum of GTIs [s]
ontime6	51252.300394177	Sum of GTIs [s]
l2events	153218	Number of level 2 events

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