V&V Summary Report
L2 ASCDS Version : 8.5.1.1

Observation 5010 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Jul 27 2015

See axaff05010N004_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.156

Comments

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Because an aspect solution is determined in a finite time interval, a
small
number of events registered within the delta time before the first
aspect
solution do not have proper sky coordinates. We apply a manual
workaround to exclude those events with incorrect sky positions until
the
complete s/w resolution is obtained.
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:
(6.52269,-12.14999),(6.51734,-12.15091),(6.52670,-12.20287),(6.53068,-12
.19431)
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seq_num	800453	Sequence number
obs_id	5010	Observation id
title	Cluster studies: Determination of H0/q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	MACS0025.4-1222	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.373333	Observer's specified target RA [deg]
dec_targ	-12.378056	Observer's specified target Dec [deg]
ra_nom	6.3657084805902	Nominal RA [deg]
dec_nom	-12.324264876378	Nominal Dec [deg]
roll_nom	99.959288171092	Nominal Roll [deg]
revision	6	Processing version of data
ontime	25155.930422068	Sum of GTIs [s]
livetime	24827.249671577	Livetime [s]
ontime0	25152.789471745	Sum of GTIs [s]
ontime1	25159.071422338	Sum of GTIs [s]
ontime2	25152.789471745	Sum of GTIs [s]
ontime3	25155.930422068	Sum of GTIs [s]
ontime6	25159.071432263	Sum of GTIs [s]
l2events	66406	Number of level 2 events