

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 10951 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

See axaff10951N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.5455998

Comments

Roll preference met.

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Spatial regions of the original bias maps for CCD = 0 and 2 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 maps for CCD = 0 and 2 have been reconstructed for this processing to remove this anomaly using scaled data from comparable bias maps from other observations. The pixels affected by the anomaly are bounded by sky coords:

CCD 0:

(308.30628,41.47800), (308.30495,41.48083), (308.27562,41.47304), (308.28038,41.47113)

CCD 2:

(308.20538,41.58448), (308.20317,41.58910), (308.07220,41.55418), (308.07442,41.54956)

seq_num	200583	Sequence number
obs_id	10951	Observation id
title	The Chandra Cygnus OB2 Survey	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	Cygnus OB2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.099334	Observer's specified target RA [deg]
dec_targ	41.46441	Observer's specified target Dec [deg]
ra_nom	308.10796158859	Nominal RA [deg]
dec_nom	41.469251975438	Nominal Dec [deg]
roll_nom	19.630768558644	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29545.599889994	Sum of GTIs [s]
livetime	29171.475713962	Livetime [s]
ontime0	29542.35891974	Sum of GTIs [s]
ontime1	29545.599889994	Sum of GTIs [s]
ontime2	29542.358889759	Sum of GTIs [s]
ontime3	29545.599889994	Sum of GTIs [s]
ontime6	29545.599889994	Sum of GTIs [s]
ontime7	29545.599889994	Sum of GTIs [s]
l2events	231477	Number of level 2 events

