

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 10965 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

See axaff10965N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.041558897853

## Comments

A spatial region of the original bias map for CCD = 1 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 1 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:  
(308.48499,41.56902), (308.48820,41.56443), (308.55499,41.59038), (308.55454,41.59604)

seq_num	200597	Sequence number
obs_id	10965	Observation id
title	The Chandra Cygnus OB2 Survey	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	Cygnus OB2	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.573015	Observer's specified target RA [deg]
dec_targ	41.647249	Observer's specified target Dec [deg]
ra_nom	308.5807170151	Nominal RA [deg]
dec_nom	41.652945614029	Nominal Dec [deg]
roll_nom	27.403563019974	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30041.558897913	Sum of GTIs [s]
livetime	29661.154590292	Livetime [s]
ontime0	30041.558927834	Sum of GTIs [s]
ontime1	30041.558917761	Sum of GTIs [s]
ontime2	30044.799888134	Sum of GTIs [s]
ontime3	30041.558897913	Sum of GTIs [s]
ontime6	30038.317957461	Sum of GTIs [s]
ontime7	30044.799888134	Sum of GTIs [s]
l2events	217130	Number of level 2 events

