

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 10948 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

See axaff10948N003\_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	27.615958926797

## Comments

Roll preference met.

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A spatial region of the original bias map for CCD = 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 map for CCD = 2 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:  
(308.52794,41.87963), (308.52703,41.88255), (308.49384,41.87689), (308.49474,41.87397)

seq_num	200580	Sequence number
obs_id	10948	Observation id
title	The Chandra Cygnus OB2 Survey	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	Cygnus OB2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.491869	Observer's specified target RA [deg]
dec_targ	41.765838	Observer's specified target Dec [deg]
ra_nom	308.50124179633	Nominal RA [deg]
dec_nom	41.769900138059	Nominal Dec [deg]
roll_nom	12.902452216186	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27615.958926857	Sum of GTIs [s]
livetime	27266.269026591	Livetime [s]
ontime0	27612.717926621	Sum of GTIs [s]
ontime1	27612.717906535	Sum of GTIs [s]
ontime2	27615.958906949	Sum of GTIs [s]
ontime3	27615.958926857	Sum of GTIs [s]
ontime6	27619.19989717	Sum of GTIs [s]
ontime7	27619.19989717	Sum of GTIs [s]
l2events	199622	Number of level 2 events

