

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 4069 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Dec 27 2012

See axaff04069N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.116

## Comments

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:  
(164.63635,12.99006), (164.63478,12.98383), (164.68664,12.97125), (164.69134,12.97671)

seq_num	700748	Sequence number
obs_id	4069	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT Z>4	Proposal titl
observer	Dr Cristian Vignali	Principal investigator
object	PSS 1058+1245	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.743333	Observer's specified target RA [deg]
dec_targ	12.765222	Observer's specified target Dec [deg]
ra_nom	164.7342454534	Nominal RA [deg]
dec_nom	12.769226054632	Nominal Dec [deg]
roll_nom	166.00672196971	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5116.3210308552	Sum of GTIs [s]
livetime	5051.5350932838	Livetime [s]
ontime2	5116.3620708585	Sum of GTIs [s]
ontime3	5116.1979108453	Sum of GTIs [s]
ontime5	5116.2799908519	Sum of GTIs [s]
ontime6	5116.2389508486	Sum of GTIs [s]
ontime7	5116.3210308552	Sum of GTIs [s]
ontime8	5116.1568708718	Sum of GTIs [s]
l2events	51024	Number of level 2 events

