

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 4653 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Apr 12 2013

See [axaff04653N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.859

Comments

Original bias file for chip 8 had anomalously high adu-value columns. The anomaly existed in columns 797-848. A replacement bias file was created using the Level 0 event and exposure data to model a reasonable bias map for chip 8.

Only the pixel values in columns 797-848 were replaced. == The technique uses the bias-less FEP event islands as the basic input. The event islands are corrected for overclocking, then arranged in an array according to their CCD columns, with the center pixel in each island excluded. The output bias value for each column is identified as the value for which 62.5% of all the pixels in the column have a higher value. The output is a one dimensional array of bias values, which is replicated to produce the 2-dimensional bias image.

seq_num	500472	Sequence number
obs_id	4653	Observation id
title	X-ray Bursts from Anomalous X-ray Pulsars	Proposal title
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1048.1-5937	Source name
ra_targ	162.537083	Observer's specified target RA [deg]
dec_targ	-59.889	Observer's specified target Dec [deg]
ra_nom	162.52184833723	Nominal RA [deg]
dec_nom	-59.89494360401	Nominal Dec [deg]
roll_nom	227.89305200924	Nominal Roll [deg]
revision	5	Processing version of data
ontime	28856.25	Sum of GTIs [s]
livetime	28743.530273438	Livetime [s]
ontime2	28856.25	Sum of GTIs [s]
ontime3	28856.25	Sum of GTIs [s]
ontime5	28856.25	Sum of GTIs [s]
ontime6	28856.25	Sum of GTIs [s]
ontime7	28856.25	Sum of GTIs [s]
ontime8	28856.25	Sum of GTIs [s]
l2events	447990	Number of level 2 events

