

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 3902 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jan 8 2013

See axaff03902N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.767

Comments

Bias map for chip 3 was lost due to a telemetry dropout. A replacement bias file was created using the Level 0 event and exposure data to model a reasonable bias map for chip 3. The target does not fall on chip 3.

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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. All columns in the output bias image have the same value.

seq_num	500381	Sequence number
obs_id	3902	Observation id
title	PSR J2021+3651: A GAMMA-RAY PULSAR AT THE EDGE OF THE GALAXY?	Prop
observer	Dr. Mallory Roberts	Principal investigator
object	PSR J2021+3651	Source name
ra_targ	305.271667	Observer's specified target RA [deg]
dec_targ	36.852333	Observer's specified target Dec [deg]
ra_nom	305.28313890067	Nominal RA [deg]
dec_nom	36.855321543633	Nominal Dec [deg]
roll_nom	28.149743560309	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20764.25	Sum of GTIs [s]
livetime	20683.139648438	Livetime [s]
ontime2	20764.25	Sum of GTIs [s]
ontime3	20764.25	Sum of GTIs [s]
ontime5	20764.25	Sum of GTIs [s]
ontime6	20764.25	Sum of GTIs [s]
ontime7	20764.25	Sum of GTIs [s]
ontime8	20764.25	Sum of GTIs [s]
l2events	246925	Number of level 2 events

