

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2093 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 15 2012

See axaff02093N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	168.2

Comments

Bias values of isolated pixels appear to be anomalously low for a some nodes of two chips, S2 and S5.

The exact pixel locations and values are listed below. These bias maps have NOT been repaired for this processing, although they were repaired for previous processings of this dataset. Repair is unnecessary with the current software because these isolated pixels are marked as bad with a status bit. =====Anomalously low pixels in the bias map for S2, node 0: ===== The bias level is about 625 in node 0.

===== X Y Value===== 31, 52, 583,== 110, 85, 584,== 99, 181, 588,== 99, 182, 601,== 153, 234, 590,== 48, 419, 592,== 48, 421, 586,== 105, 438, 588,== 177, 477, 613,== 98, 490, 590,== 126, 510, 590,== 86, 665, 596,== 86, 666, 580,== 156, 675, 596,== 246, 716, 594,== 51, 702, 591,== 190, 801, 585,== 101, 817, 600,== 78, 835, 582,== 61, 858, 587,== 61, 859, 581,== 193, 87, 583,== 113, 878, 592,== 70, 882, 592,== 70, 883, 588,== 75, 891, 581,== 193, 1008, 592,==

===== This leads to the associated pixels to appear 'hot' in the events list in the first quadrant of S0.

===== There are also a total of 50 suspicious values in node 2 of the S5 bias map, at the following CHIP locations (counting from 1,1):===== 552, 23,== 619, 29,== 692, 58,== 740, 72,== 740, 73,== 617, 78,== 747, 109,== 543, 121,== 543,

122,== 543, 123,== 709, 176,== 675, 234,== 540, 280,== 540, 281,== 559,
337,== 632, 360,== 643, 385,== 708, 408,== 572, 451,== 572, 452,== 665,
452,== 706, 510,== 706, 511,== 706, 512,== 657, 533,== 657, 534,== 605,
567,== 745, 604,== 538, 638,=== 612, 646,== 630, 691,== 706, 706,== 706,
707,== 730, 712,== 730, 713,== 595, 735,== 719, 763,== 608, 768,== 596,
792,== 548, 809,== 750, 820,== 749, 885,== 538, 944,== 538, 945,== 585,
954,== 585, 955,== 586, 955,== 584, 956,== 655, 999,== 655, 1000,==

seq_num	700283	Sequence number
obs_id	2093	Observation id
title	DETERMINING THE NATURE OF THE VARIABLE ABSORPTION IN NGC 3783 WITH CHANDRA/HST	Proposal title
observer	Dr. Ian George	Principal investigator
object	NGC 3783	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.76	Observer's specified target RA [deg]
dec_targ	-37.74	Observer's specified target Dec [deg]
ra_nom	174.77005409574	Nominal RA [deg]
dec_nom	-37.745734179471	Nominal Dec [deg]
roll_nom	334.49562135968	Nominal Roll [deg]
revision	5	Processing version of data
ontime	168252.80015668	Sum of GTIs [s]
livetime	166122.28189143	Livetime [s]
ontime4	168249.55918643	Sum of GTIs [s]
ontime5	168252.80015668	Sum of GTIs [s]
ontime6	168252.80015668	Sum of GTIs [s]
ontime7	168252.80015668	Sum of GTIs [s]
ontime8	168249.55929604	Sum of GTIs [s]
ontime9	168249.55915651	Sum of GTIs [s]
l2events	1969833	Number of level 2 events

