

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 57618 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 20 2012

See [axaff57618N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.916

Comments

Glenn,

The bias file for chip 5 has a column with high adu values (about 90 adu above the surrounding pixels. This column is apparently not marked bad because it can be seen in the Level 2 data. This is a CTI, so maybe this is appropriate behavior. Can you check it?

The column (CCD_ID,CHIPX) = (5,233) is anomalously high in the bias file `acisf337206124N002_2_bias0.fits`. The column (CCD_ID,CHIPX) = (5,226) is also about 10 adu high. These columns are part of the region (CCD_ID,CHIPX) = (5,232-251) that is marked as bad in the bad-pixel file `acisf57618_000N002_bpix1.fits`. As a result, the file `acisf57618_000N002_evt1.fits` has STATUS bits 4 and 5 are set to one for all of the events in this region, including the events on the two columns with bad bias values. These events are excluded from the file `acisf57618_000N002_evt2.fits`.

The bias file could be fixed, if there is an interest in doing so, but I

think that it is not imperative since this observation is a calibration observation.

Glenn

seq_num	 	Sequence number
obs_id	57618	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	359.97027916983	Nominal RA [deg]
dec_nom	15.000333555255	Nominal Dec [deg]
roll_nom	146.40963780249	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8916.0	Sum of GTIs [s]
livetime	8881.171875	Livetime [s]
ontime4	5080.4246082306	Sum of GTIs [s]
ontime5	8916.0	Sum of GTIs [s]
ontime6	5512.342777729	Sum of GTIs [s]
ontime7	8916.0	Sum of GTIs [s]
ontime8	5585.3009378314	Sum of GTIs [s]
ontime9	5464.1893469095	Sum of GTIs [s]
l2events	395100	Number of level 2 events