

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 60492 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 7 2012

See axaff60492N002-VV001_vvref2.pdf for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2013.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.58239239645

Comments

Noisy bias, wondering if the following comment applies?:

An unusually large number of cosmic ray hits in the bias files produce elevated bias values for all pixel values in a column read after the pixel with the cosmic ray hit. Care should be taken in interpreting the final event data in the vicinity of these bias cosmic ray streaks.

This observation was performed during one of the biggest solar storms Chandra has seen. The relatively high charged-particle background during the observation adversely affected the bias map and pulse-height data.

Although, I'm marking the V&V state as 'OK,' the data may be of limited utility.

Glenn

seq_num	 	Sequence number
obs_id	60492	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	273.46567351061	Nominal RA [deg]
dec_nom	65.890000052067	Nominal Dec [deg]
roll_nom	306.63004355565	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3582.39239645	Sum of GTIs [s]
livetime	3537.0299868685	Livetime [s]
ontime4	559.34118896723	Sum of GTIs [s]
ontime5	3579.151465863	Sum of GTIs [s]
ontime6	688.94174861908	Sum of GTIs [s]
ontime7	3582.39239645	Sum of GTIs [s]
ontime8	705.22902855277	Sum of GTIs [s]
ontime9	653.16718870401	Sum of GTIs [s]
l2events	699933	Number of level 2 events