

# V&V Summary Report

## L2 ASCDS Version : 8.4.3.1

Observation 7289 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 17 2012

See axaff07289N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	76.1235178

## Comments

A spatial region of the original bias map for CCD = 1 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 1 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by sky coords:  
(197.92035, -1.40047), (197.92727, -1.40203), (197.95019, -1.30169), (197.94327, -1.30013)

seq_num	800563	Sequence number
obs_id	7289	Observation id
title	A GTO 7 Proposal: The Strong Lensing Cluster Abell 1689	Proposal t
observer	Professor Gordon Garmire	Principal investigator
object	Abell 1689	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.872917	Observer's specified target RA [deg]
dec_targ	-1.341667	Observer's specified target Dec [deg]
ra_nom	197.88694840822	Nominal RA [deg]
dec_nom	-1.2891883748207	Nominal Dec [deg]
roll_nom	77.129005778995	Nominal Roll [deg]
revision	3	Processing version of data
ontime	76123.517843217	Sum of GTIs [s]
livetime	75128.908041276	Livetime [s]
ontime0	76126.658843458	Sum of GTIs [s]
ontime1	76123.517863214	Sum of GTIs [s]
ontime2	76117.235892534	Sum of GTIs [s]
ontime3	76123.517843217	Sum of GTIs [s]
ontime6	76123.517883062	Sum of GTIs [s]
l2events	404905	Number of level 2 events

