

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 52898 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 2 2014

See axaff52898N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2875061942935

## Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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 chip coords:  
(594,86), (618,86), (618,347), (594,354)

seq_num	&#160	Sequence number
obs_id	52898	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	177.53089218914	Nominal RA [deg]
dec_nom	-25.792943363385	Nominal Dec [deg]
roll_nom	341.33642456879	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8287.5061942935	Sum of GTIs [s]
livetime	8182.5648007242	Livetime [s]
ontime0	8287.4651542902	Sum of GTIs [s]
ontime1	8287.4241142869	Sum of GTIs [s]
ontime2	8287.3830742836	Sum of GTIs [s]
ontime3	8287.5472342968	Sum of GTIs [s]
ontime5	8287.3420342803	Sum of GTIs [s]
ontime7	8287.5061942935	Sum of GTIs [s]
l2events	202521	Number of level 2 events