

V&V Summary Report

L2 ASCDS Version : 10.4.2.1

Observation 18702 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 18 2015

See axaff18702N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.11.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.95040037179

Comments

Joint proposal with NRAO.

Certain spatial areas of the original bias maps for CCD = 2 and CCD = 3 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 maps for CCD = 2 and CCD = 3 have 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 on CCD = 2 are bounded by sky coords: (356.01735, 0.29795), (356.02726, 0.30182), (356.01335, 0.33766), (355.99861, 0.34624).

There were several discrete regions on CCD = 3 affected by the bias anomaly. One region is bounded by sky coords: (355.94243, 0.47910), (355.93390, 0.47581), (355.98435, 0.34579), (355.99287, 0.34907).

Another is bounded by sky coords: (355.91635, 0.46905), (355.91457, 0.46836), (355.96501, 0.33834), (355.96679, 0.33903). The third is bounded by sky coords: (355.88683, 0.45768), (355.88467, 0.45685),

(355.93512, 0.32683), (355.93728, 0.32766).

seq_num	801456	Sequence number
obs_id	18702	Observation id
title	A Cosmic Ray Mystery: No Shock Across a Radio Relic in ZwCl 2341.1+0000	Proposal title
observer	Georgiana Ogrea	Principal investigator
object	ZwCl 2341.1+0000	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	355.903333	Observer's specified target RA [deg]
dec_targ	0.324889	Observer's specified target Dec [deg]
ra_nom	355.9098135075	Nominal RA [deg]
dec_nom	0.31723596515161	Nominal Dec [deg]
roll_nom	291.20863241111	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24950.40037179	Sum of GTIs [s]
livetime	24634.463378955	Livetime [s]
ontime0	24950.40037179	Sum of GTIs [s]
ontime1	24950.40037179	Sum of GTIs [s]
ontime2	24947.159321547	Sum of GTIs [s]
ontime3	24950.40037179	Sum of GTIs [s]
ontime6	24950.40037179	Sum of GTIs [s]
ontime7	24950.40037179	Sum of GTIs [s]
l2events	142951	Number of level 2 events

