

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 19916 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 10 2016

See axaff19916N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	91.387836472034

Comments

Joint proposal with NRAO.

Two optional chips were dropped.

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 sky coords: (2.98993,52.40208), (2.99868,52.39878), (3.08427,52.48257), (3.07552,52.48588).

seq_num	801568	Sequence number
obs_id	19916	Observation id
title	A Shock in the Cluster ZwCl0008: A Direct Test of Particle Acceleration Models	Proposal title
observer	Dr Reinout van Weeren	Principal investigator
object	ZwCl 0008.8+5215	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	2.875833	Observer's specified target RA [deg]
dec_targ	52.5325	Observer's specified target Dec [deg]
ra_nom	2.91074146318	Nominal RA [deg]
dec_nom	52.550555966077	Nominal Dec [deg]
roll_nom	238.180978454	Nominal Roll [deg]
revision	2	Processing version of data
ontime	91387.836472034	Sum of GTIs [s]
livetime	90193.787109781	Livetime [s]
ontime0	91387.836472034	Sum of GTIs [s]
ontime1	91394.118572474	Sum of GTIs [s]
ontime2	91387.836611986	Sum of GTIs [s]
ontime3	91400.400703073	Sum of GTIs [s]
l2events	268815	Number of level 2 events

