

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 18638 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 20 2016

See [axaff18638N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9411775128841

Comments

Roll preference met.

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

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: (35.44580,24.94881), (35.44949,24.94948), (35.43029,25.03706), (35.42661,25.03639).

seq_num	601259	Sequence number
obs_id	18638	Observation id
title	The highly variable universe in X-rays from ROSAT to Chandra in 10 ks	Proposal title
observer	Peter Predehl	Principal investigator
object	2RXSp 190226_2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.633333	Observer's specified target RA [deg]
dec_targ	25.077778	Observer's specified target Dec [deg]
ra_nom	35.638415981099	Nominal RA [deg]
dec_nom	25.07492391235	Nominal Dec [deg]
roll_nom	281.15445783218	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9941.1775128841	Sum of GTIs [s]
livetime	9815.2963373576	Livetime [s]
ontime2	9941.2185528278	Sum of GTIs [s]
ontime3	9937.8133025169	Sum of GTIs [s]
ontime5	9941.1364728212	Sum of GTIs [s]
ontime6	9941.0954328775	Sum of GTIs [s]
ontime7	9941.1775128841	Sum of GTIs [s]
ontime8	9941.0133528709	Sum of GTIs [s]
l2events	118390	Number of level 2 events

