

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4759 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Oct 5 2020

See [axaff04759N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	161.137

Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:
(204.04352, -34.32706), (204.04296, -34.32451), (203.96717, -34.33580), (203.96772, -34.33836).

This region crosses the spectral arms.

seq_num	700845	Sequence number
obs_id	4759	Observation id
title	DISSECTING THE ENVIRONMENT OF MCG--6-30-15 WITH THE HETGS	Proposal
observer	Dr. Claude Canizares	Principal investigator
object	MCG-06-30-015	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.97375	Observer's specified target RA [deg]
dec_targ	-34.295833	Observer's specified target Dec [deg]
ra_nom	203.96811063882	Nominal RA [deg]
dec_nom	-34.293410211992	Nominal Dec [deg]
roll_nom	280.15833155688	Nominal Roll [deg]
revision	6	Processing version of data
ontime	161137.23913631	Sum of GTIs [s]
livetime	158534.73296004	Livetime [s]
ontime4	161132.19815606	Sum of GTIs [s]
ontime5	161137.19809631	Sum of GTIs [s]
ontime6	161132.07505593	Sum of GTIs [s]
ontime7	161137.23913631	Sum of GTIs [s]
ontime8	161137.1160163	Sum of GTIs [s]
ontime9	161134.53395626	Sum of GTIs [s]
l2events	1661288	Number of level 2 events

