

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 15224 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 2 2014

See axaff15224N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.080418394446

Comments

Roll constraint met.

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A spatial region of the original bias map for 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 map for CCD = 3 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:
(150.20973,1.68955), (150.20604,1.69053), (150.19375,1.64400), (150.19744,1.64302)

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	901054	Sequence number
obs_id	15224	Observation id
title	The COSMOS Legacy Survey	Proposal title
observer	Dr Francesca Civano	Principal investigator
object	COSMOS Legacy	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.10363	Observer's specified target RA [deg]
dec_targ	1.664518	Observer's specified target Dec [deg]
ra_nom	150.11560966067	Nominal RA [deg]
dec_nom	1.6643732540457	Nominal Dec [deg]
roll_nom	255.20834923522	Nominal Roll [deg]
revision	3	Processing version of data
ontime	50080.418394446	Sum of GTIs [s]
livedtime	49426.080859455	Livetime [s]
ontime0	50083.559374988	Sum of GTIs [s]
ontime1	50080.418394446	Sum of GTIs [s]
ontime2	50083.559374988	Sum of GTIs [s]
ontime3	50083.559374928	Sum of GTIs [s]
l2events	105064	Number of level 2 events

