

# V&V Summary Report

## L2 ASCDS Version : 10.0.1

Observation 14793 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 6 2014

See axaff14793N003\_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	15.066000115871

## 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:

(217.39213,15.63853), (217.39192,15.64166), (217.33888,15.63841), (217.34305,15.63552)

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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	501921	Sequence number
obs_id	14793	Observation id
title	Late-time X-rays to extract the true energy of nearby GRBs	Proposa
observer	Dr Raffaella Margutti	Principal investigator
object	GRB130702A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.311583	Observer's specified target RA [deg]
dec_targ	15.774	Observer's specified target Dec [deg]
ra_nom	217.31430252373	Nominal RA [deg]
dec_nom	15.772517592978	Nominal Dec [deg]
roll_nom	273.60911317211	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15066.000115871	Sum of GTIs [s]
liveltime	14869.15173293	Livetime [s]
ontime3	15066.000115871	Sum of GTIs [s]
ontime5	15066.000115871	Sum of GTIs [s]
ontime6	15066.000115871	Sum of GTIs [s]
ontime7	15066.000115871	Sum of GTIs [s]
ontime8	15066.000115871	Sum of GTIs [s]
l2events	117560	Number of level 2 events

