

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 16962 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 17 2016

See axaff16962N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.555867972374

## Comments

Joint proposal with HST and NRAO.

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:

(173.04408, 27.71667), (173.04811, 27.70795), (173.19414, 27.76074),  
(173.19012, 27.76946).

seq_num	502478	Sequence number
obs_id	16962	Observation id
title	The Burst of the Century	Proposal title
observer	Dr. Andrew Fruchter	Principal investigator
object	GRB 130427A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.136667	Observer's specified target RA [deg]
dec_targ	27.698944	Observer's specified target Dec [deg]
ra_nom	173.13409605508	Nominal RA [deg]
dec_nom	27.698206272871	Nominal Dec [deg]
roll_nom	112.15782868313	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25555.867972374	Sum of GTIs [s]
livetime	25221.961743359	Livetime [s]
ontime2	25555.703812361	Sum of GTIs [s]
ontime3	25555.785892367	Sum of GTIs [s]
ontime6	25546.403711557	Sum of GTIs [s]
ontime7	25555.867972374	Sum of GTIs [s]
ontime8	25555.744852424	Sum of GTIs [s]
l2events	144044	Number of level 2 events

