

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 2796 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Nov 2 2012

See axaff02796N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.763

## 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:  
(84.68124,28.22687), (84.68158,28.24052), (84.52313,28.24353), (84.52281,28.22989)

seq_num	500246	Sequence number
obs_id	2796	Observation id
title	PULSAR WIND TORI: NEUTRON STAR LINEAR AND ANGULAR MOMENTA	Proposal
observer	Prof. Roger Romani	Principal investigator
object	PSR J0538+2817	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.604583	Observer's specified target RA [deg]
dec_targ	28.286389	Observer's specified target Dec [deg]
ra_nom	84.602333391672	Nominal RA [deg]
dec_nom	28.274031449919	Nominal Dec [deg]
roll_nom	268.70874019064	Nominal Roll [deg]
revision	5	Processing version of data
ontime	19760.000018388	Sum of GTIs [s]
livetime	19509.787000112	Livetime [s]
ontime2	19760.000018388	Sum of GTIs [s]
ontime3	19753.518067956	Sum of GTIs [s]
ontime5	19760.000018388	Sum of GTIs [s]
ontime6	19760.000018388	Sum of GTIs [s]
ontime7	19760.000018388	Sum of GTIs [s]
ontime8	19756.759058133	Sum of GTIs [s]
l2events	177632	Number of level 2 events

