

# V&V Summary Report

## L2 ASCDS Version : 10.1.1

Observation 5564 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Dec 2 2013

See axaff05564N004\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.47819

## Comments

A spatial region of the original bias map for CCD = 0 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 0 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:  
(125.69393, -42.57503), (125.69096, -42.57728), (125.75354, -42.62182), (125.75504, -42.61853).

This region does include some of the extended emission.

seq_num	500553	Sequence number
obs_id	5564	Observation id
title	Large-Scale Shock Interactions in Puppis A	Proposal title
observer	Dr Una Hwang	Principal investigator
object	Puppis A NE Shock Front	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.784	Observer's specified target RA [deg]
dec_targ	-42.694833	Observer's specified target Dec [deg]
ra_nom	125.78149874119	Nominal RA [deg]
dec_nom	-42.690550861022	Nominal Dec [deg]
roll_nom	136.00661079197	Nominal Roll [deg]
revision	4	Processing version of data
ontime	34478.199933678	Sum of GTIs [s]
livetime	34027.716869063	Livetime [s]
ontime0	34478.199933678	Sum of GTIs [s]
ontime1	34478.199933678	Sum of GTIs [s]
ontime2	34475.058963388	Sum of GTIs [s]
ontime3	34478.199933678	Sum of GTIs [s]
l2events	4934985	Number of level 2 events

