

# V&V Summary Report

## L2 ASCDS Version : 10.4.3.1

Observation 16708 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 29 2016

See axaff16708N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.104700308561

## Comments

Optional chip S1 was dropped.

A spatial region of the original bias map for CCD = 9 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 = 9 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:

(257.54484, -32.57591), (257.54529, -32.58218), (257.63001, -32.57785),  
(257.62955, -32.57159).

seq_num	401630	Sequence number
obs_id	16708	Observation id
title	Glimpsing a Chandra Population of new X-ray Pulsators	Proposal tit
observer	Dr. Gian Luca Israel	Principal investigator
object	CXOUJ171004.7	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.519583	Observer's specified target RA [deg]
dec_targ	-32.201944	Observer's specified target Dec [deg]
ra_nom	257.51674808549	Nominal RA [deg]
dec_nom	-32.201912338586	Nominal Dec [deg]
roll_nom	93.400658499253	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40104.700308561	Sum of GTIs [s]
livetime	39580.702874379	Livetime [s]
ontime6	40104.700308561	Sum of GTIs [s]
ontime7	40104.700308561	Sum of GTIs [s]
ontime8	40104.700308561	Sum of GTIs [s]
ontime9	40104.700308561	Sum of GTIs [s]
l2events	225276	Number of level 2 events

