

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 795 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 31 2012

See axaff00795N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.67

Comments

An ACIS Threshold-Plane Anomaly occurred during this observation. The flight s/w is intended to delay 'start events' until after 'end bias dump'. For some unknown reason, it occasionally fails to do so, and if the overlap lasts for more than a minute or so, one or more FEPs experience a firmware latch-up that renders them useless until they are power cycled. The anomaly occurred for chip S2 only. No event data were recorded for this chip; the bright pixels on this chip are due to previously known hot pixels. The target and aim point were not affected by this anomaly.

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The bias map for CCD_ID = 7 was incomplete because of data gaps in telemetry. The bias map for chip 7 was reconstructed using scaled data from a comparable bias map for another observation to fill the data gaps. The region affected is bounded by the sky coordinates:
(49.25128, -41.10976), (49.38496, -41.20652), (49.38609, -41.20564), (49.25241, -41.10887)

seq_num	600098	Sequence number
obs_id	795	Observation id
title	THE IMPORTANCE OF LOW MASS X-RAY BINARIES TO THE X-RAY EMISSION FROM SA GALAXY BULGES	Proposal title
observer	Professor JIMMY IRWIN	Principal investigator
object	NGC 1291	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.328333	Observer's specified target RA [deg]
dec_targ	-41.106361	Observer's specified target Dec [deg]
ra_nom	49.320652033683	Nominal RA [deg]
dec_nom	-41.098252910037	Nominal Dec [deg]
roll_nom	136.09354189625	Nominal Roll [deg]
revision	5	Processing version of data
ontime	39668.954137415	Sum of GTIs [s]
livetime	39166.64195435	Livetime [s]
ontime3	33877.238898307	Sum of GTIs [s]
ontime5	39668.913097411	Sum of GTIs [s]
ontime6	18696.605049655	Sum of GTIs [s]
ontime7	39668.954137415	Sum of GTIs [s]
ontime8	38320.55120042	Sum of GTIs [s]
l2events	365679	Number of level 2 events

