

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 17520 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 20 2016

See [axaff17520N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.196049286604

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 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: (300.22520,40.90815), (300.21325,40.91627), (300.08986,40.81242), (300.11313,40.81386).

seq_num	703132	Sequence number
obs_id	17520	Observation id
title	The Rise to Power: Half a Billion Years of Intense AGN Activity in the Merging Cluster Cygnus A	Proposal title
observer	Dr. Michael Wise	Principal investigator
object	Cygnus A - W Hotspot	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.845	Observer's specified target RA [deg]
dec_targ	40.740361	Observer's specified target Dec [deg]
ra_nom	299.85580947857	Nominal RA [deg]
dec_nom	40.737787808061	Nominal Dec [deg]
roll_nom	318.20162575669	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27196.049286604	Sum of GTIs [s]
livetime	26840.712881234	Livetime [s]
ontime0	27192.785176396	Sum of GTIs [s]
ontime1	27195.967206597	Sum of GTIs [s]
ontime2	27199.14921689	Sum of GTIs [s]
ontime3	27196.049286604	Sum of GTIs [s]
ontime6	27199.026096821	Sum of GTIs [s]
l2events	221724	Number of level 2 events

