

# V&V Summary Report

## L2 ASCDS Version : 10.3.1

Observation 16275 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 9 2015

See axaff16275N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0809000390768

## Comments

A spatial region of the original bias map for CCD = 2 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 = 2 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:  
(114.85018, 74.31514), (114.84688, 74.31143), (115.34701, 74.27794),  
(115.35041, 74.28164).

seq_num	703019	Sequence number
obs_id	16275	Observation id
title	Nuclear activity in MS0735.6+7421	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	MS0735.6+7421	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	115.435	Observer's specified target RA [deg]
dec_targ	74.244167	Observer's specified target Dec [deg]
ra_nom	115.33109177411	Nominal RA [deg]
dec_nom	74.253045619028	Nominal Dec [deg]
roll_nom	165.87952966799	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5080.9000390768	Sum of GTIs [s]
livetime	5014.5143395621	Livetime [s]
ontime0	5080.9000390768	Sum of GTIs [s]
ontime1	5080.9000390768	Sum of GTIs [s]
ontime2	5080.9000390768	Sum of GTIs [s]
ontime3	5080.9000390768	Sum of GTIs [s]
ontime6	5080.9000390768	Sum of GTIs [s]
l2events	14500	Number of level 2 events

