

# V&V Summary Report

## L2 ASCDS Version : 8.3.4

Observation 378 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2010

See axaff00378N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2011.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.169

## Comments

A spatial region of the original bias map for CCD = 1 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 = 1 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:  
(149.20086,69.63697), (149.54771,69.70723), (149.54398,69.70947), (149.19711,69.63921)

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The guide star in slot 7 was manually excluded from the processing due to poor data quality.

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Monitor constraint not met: Requested: 45.1389 to 75.2315 days after  
ObsID 361 Actual: 101

seq_num	700050	Sequence number
obs_id	378	Observation id
title	THE ORIGIN OF HARD X-RAYS FROM M82	Proposal title
observer	Dr Steve Murray	Principal investigator
object	M82	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.945833	Observer's specified target RA
dec_targ	69.682778	Observer's specified target Dec
ra_nom	148.98693601432	Nominal RA
dec_nom	69.745019205172	Nominal Dec
roll_nom	120.47251338414	Nominal Roll
revision	5	Processing version of data
ontime	4168.3813335896	Sum of GTIs [s]
livetime	4115.5987792457	Livetime [s]
ontime0	4168.5454935879	Sum of GTIs [s]
ontime1	4168.5044236556	Sum of GTIs [s]
ontime2	4165.2224035114	Sum of GTIs [s]
ontime3	4168.3813335896	Sum of GTIs [s]
ontime6	4168.4223735854	Sum of GTIs [s]
l2events	28894	Number of level 2 events

