

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13393 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 1 2012

See axaff13393N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3834000337124

## Comments

This observation was taken during a high radiation spacecraft environment.

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ONTIME for the various CCD's varies significantly. CCD\_S4 generated large numbers of 'events', and CCD\_I3 and CCD\_S2 somewhat less, due perhaps to the high radiation background (although the bias maps look normal). The sum total of events from the 5 chips was more than the observer had expected and it saturated downlink telemetry. Luckily, no CCD\_S3 or CCD\_S1 exposures were dropped. The charge time is based on CCD\_S3, the chip with the target.

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This observation was terminated with a safing of the instruments due to a high radiation environment.

seq_num	801080	Sequence number
obs_id	13393	Observation id
title	4C73.18: Catching a black hole as it transitions from very bright to very dim	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	4C73.18	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.952083	Observer's specified target RA [deg]
dec_targ	73.967111	Observer's specified target Dec [deg]
ra_nom	291.94094400479	Nominal RA [deg]
dec_nom	73.967562513025	Nominal Dec [deg]
roll_nom	50.167339649402	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4383.4000337124	Sum of GTIs [s]
livetime	4326.1276852598	Livetime [s]
ontime3	3299.7656752467	Sum of GTIs [s]
ontime5	4383.4000337124	Sum of GTIs [s]
ontime6	3004.5139068961	Sum of GTIs [s]
ontime7	4383.4000337124	Sum of GTIs [s]
ontime8	3422.2632216215	Sum of GTIs [s]
l2events	59275	Number of level 2 events

