

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 2042 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jan 19 2007

See axaff02042N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.76

## Comments

Comments for Obi 1

Charge time for this ObsId remains at original value of 19.76 ks, although with the current processing the charge time would have been 19.73 ksec.

High radiation levels resulted in a decision to safe the ACIS instrument at day 118/04+52 (Apr 28 12:52am). This safing terminated obi=1. The count rate increases starting about 4 ksec into this obi=1 observation and continues to increase until the safing action. This rise in the count rate is due to the high radiation environment. It might be wise to ignore the data between 4 ksec and the end of the observation for obi=1.

Obi=2 has several spikes in the count rate that may be correlated with the radiation environment.

seq_num	600176
obs_id	2042
title	THE EVOLUTION OF GAS EJECTION FROM MERGING GALAXIES
observer	Dr. Andrew Read
object	ARP 270
dtcycle	0
cycle	P
ra_targ	162.46875
dec_targ	32.985
ra_nom	162.44210234851
dec_nom	32.954886907292
roll_nom	236.24484782622
revision	3
ontime	19734.400018379
livetime	19484.511162717
ontime2	18839.728673831
ontime3	18907.95329833
ontime5	19731.159058124
ontime6	18826.887155443
ontime7	19734.400018379
ontime8	18982.537181556
l2events	500572

