

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 324 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 25 2009

See axaff00324N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.503

Comments

Charge time for this ObsId remains at original value of 8.503 ksec, although with the current processing the charge time would have been 8.484 ksec.

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A high radiation environment existed from the beginning of the observation to about 1.5 ksec into the observation, and again from about 8 ksec to the end of the observation. Some of this high radiation period is not included in the Level 2 data products because it is not included in the GTI, but some of the high radiation period is included in the GTI. The data should be carefully examined for high background periods.

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The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light from the solution.

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The focal plane temperature is approximately -110 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

Ontimes are low, last ~1/5 ksec of the obsid is missing.

seq_num	600084	Sequence number
obs_id	324	Observation id
title	BRIGHT ELLIPTICAL GALAXIES AND HIGH REDSHIFT CLUSTERS	Proposal tit
observer	DR Richard Mushotzky	Principal investigator
object	NGC 4636	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.707083	Observer's specified target RA
dec_targ	2.688111	Observer's specified target Dec
ra_nom	190.71106368854	Nominal RA
dec_nom	2.6914697083973	Nominal Dec
roll_nom	63.686509910515	Nominal Roll
revision	4	Processing version of data
ontime	8483.7141542584	Sum of GTIs [s]
liveltime	8376.2882573578	Livetime [s]
ontime0	8466.7302356139	Sum of GTIs [s]
ontime1	8515.345366843	Sum of GTIs [s]
ontime2	8438.2991029248	Sum of GTIs [s]
ontime3	8483.7141542584	Sum of GTIs [s]
ontime7	9558.9376554936	Sum of GTIs [s]
l2events	304396	Number of level 2 events

