

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 783 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 29 2009

See [axaff00783N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.166

## Comments

Several short periods of high radiation producing enhanced count rate during the observation.

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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.

seq_num	600086	Sequence number
obs_id	783	Observation id
title	RESOLVING THE MYSTERY OF X-RAY FAINT ELLIPTICAL GALAXIES	Proposal
observer	Dr. Craig Sarazin	Principal investigator
object	NGC 1553	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.042917	Observer's specified target RA
dec_targ	-55.780833	Observer's specified target Dec
ra_nom	64.071751469504	Nominal RA
dec_nom	-55.79455470327	Nominal Dec
roll_nom	324.98643372768	Nominal Roll
revision	4	Processing version of data
ontime	34163.200031817	Sum of GTIs [s]
livetime	33730.605022405	Livetime [s]
ontime2	34146.995250724	Sum of GTIs [s]
ontime3	34153.477131248	Sum of GTIs [s]
ontime6	34163.200031817	Sum of GTIs [s]
ontime7	34163.200031817	Sum of GTIs [s]
ontime8	34156.718111388	Sum of GTIs [s]
l2events	426778	Number of level 2 events

