

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 790 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 29 2009

See [axaff00790N001_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	44.08

Comments

Roll constraint: requested: 300 +/- 10 actual: 300.2.

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Target Location: The wrong coordinates for NGC 253 were submitted by the observer for target location, thus locating sources on the FI S-2 chip and making them significantly off-axis.

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Charge time for this ObsId remains at previous value of 44.08 ksec, although with the current processing the charge time would have been 44.16 ksec.

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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

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	600093	Sequence number
obs_id	790	Observation id
title	STARBURSTS AND THE 'POLLUTION' OF THE IGM: AXAF OBSERVATIONS OF THE SUPERWIND FROM NGC 253	Proposal title
observer	Dr. Tim Heckman	Principal investigator
object	NGC 253	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.835	Observer's specified target RA
dec_targ	-25.206667	Observer's specified target Dec
ra_nom	11.838728865771	Nominal RA
dec_nom	-25.21629958643	Nominal Dec
roll_nom	300.15820757934	Nominal Roll
revision	4	Processing version of data
ontime	44168.648753643	Sum of GTIs [s]
livetime	43609.358727957	Livetime [s]
ontime5	44168.60771364	Sum of GTIs [s]
ontime6	44165.325743355	Sum of GTIs [s]
ontime7	44168.648753643	Sum of GTIs [s]
ontime8	44162.043743134	Sum of GTIs [s]
ontime9	44165.243663356	Sum of GTIs [s]
l2events	499025	Number of level 2 events

