

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 1479 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See axaff01479N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.774

## Comments

Observation taken at the anti-radiant position during the Leonid showers.

That is to say, the telescope was pointed in the opposite direction of the vector of potential impact from the incoming meteor showers.

There was no particular scientific target in this field. It was chosen for spacecraft safety only. However, the observation is a good quality observation of this line of sight and has potential scientific usefulness.

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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

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	980429	Sequence number
obs_id	1479	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LEONID ANTI-RADIANT	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	333.2996	Observer's specified target RA
dec_targ	-22.17863	Observer's specified target Dec
ra_nom	333.29947108712	Nominal RA
dec_nom	-22.183856430126	Nominal Dec
roll_nom	291.81611083842	Nominal Roll
revision	4	Processing version of data
ontime	20774.359039202	Sum of GTIs [s]
livetime	20511.301596231	Livetime [s]
ontime0	20777.600019351	Sum of GTIs [s]
ontime1	20777.600019351	Sum of GTIs [s]
ontime2	20777.600019351	Sum of GTIs [s]
ontime3	20774.359039202	Sum of GTIs [s]
ontime6	20774.35905914	Sum of GTIs [s]
l2events	79519	Number of level 2 events

